

REDACTED

Data Validation Checklist Inorganic Analyses

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

Project No: 15268508.20000
 Job ID.: 680-89516-3
 Associated Samples: Refer to Attachment A (Sample Summary)
 Date Collected: 04/17/13
 Date: 05/14/13
 Date: 05/16/13

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

¹ Independent technical reviewer

Data Validation Checklist (Continued)

| Review Questions | Yes | No | N/A | Samples (Analytes) Affected/Comments | Flag |
|--|-----|----|-----|--|------|
| 11. Were target analytes reported in equipment/rinsate blanks analyses above the DL? | | ✓ | | According to the QAPP, a rinsate blank is to be collected after each decontamination event, which occurs once per week per the client. Rinsate blank 041513-RB-Shovel (680-89421-10) was collected during the week of 4/15/13. Target analytes were not detected during the EPA Methods 200.7 and 245.1 analyses of the rinsate blank, and all results were reported under Test America Job ID 680-89421-2. | |
| 12. Were contaminants detected in samples below the blank contamination action level? <ul style="list-style-type: none"> ○ If blank result > RL, <ul style="list-style-type: none"> • Flag sample results \leq RL with a U • Flag positive sample results > RL and $\leq 10x$ blank result , as J+ positive results ○ If blank result \leq RL, <ul style="list-style-type: none"> • Flag sample results \leq RL with a U • Flag positive sample results > RL and <10x blank result , as J+ positive results | | | ✓ | Method and rinsate blank contamination does not exist. | |
| 13. Are there negative laboratory blank results with the absolute value \leq RL? If yes, then flag positive and non-detect sample results that are < 10x absolute blank value as J- and UJ, respectively. | | ✓ | | | |
| 14. Was a field duplicate analyzed? | | ✓ | | | |
| 15. Was precision deemed acceptable as defined by the project plans? | | | ✓ | | |
| 16. Were initial and continuing calibration standards analyzed at the lab/project-specified frequency for each instrument? <ul style="list-style-type: none"> ○ 6010C: <ul style="list-style-type: none"> • ICAL: Blank and one standard • ICV initially, and CCV every 10th sample and at the end of the analytical run • Lower Limit of Quantitation Check Sample (CRI) to be analyzed after establishing lower laboratory reporting limits and as needed ○ 7471A: <ul style="list-style-type: none"> • ICAL: Blank and five standards • ICV initially, and CCV every 10th sample and at the end of the analytical run ○ 7196A: | ✓ | | | <ul style="list-style-type: none"> • 6010C: 04/24/2013-04/25/2013, instrument ICPF. One blank and one standard initially per analytical batch. ICV initially, and CCV every 10 samples and at end of run. CRI after initial calibration blank analysis. • 7471B: 04/25/2013, instrument LEEMAN2. 6-Point ICAL per analytical batch. ICV initially, CCV every 10 samples and at end of run. CRI after initial calibration blank analysis. | |

Data Validation Checklist (Continued)

| Review Questions | Yes | No | N/A | Samples (Analytes) Affected/Comments | Flag |
|---|-----|----|-----|--|------|
| <ul style="list-style-type: none"> • ICAL: Blank and minimum of five standards • ICV initially, and CCV every 10th sample (15th per Method) and at the end of the analytical run | | | | | |
| <p>17. Were these results within lab/project specifications?</p> <ul style="list-style-type: none"> ○ 6010C <ul style="list-style-type: none"> • ICV/CCV (Criteria: 90-110%R): <ul style="list-style-type: none"> ▪ If %R <75, then J- flag positive results and R-flag non-detects ▪ If 75-89%R, then J- flag positive results and UJ flag non-detects ▪ If 111-125%R, then J flag positive results ▪ If >125%R, then J+ flag positive results ▪ If >160%R, then R flag positive results • CRI (Method: 70-130%R, Laboratory: 50-150%R; Project: 50-150%R for Sb, Pb, and Tl, and 70-130%R for all other analytes): <ul style="list-style-type: none"> ▪ If CRI %R <50 (<30% for Sb, Pb, TL), then R flag results ≤ 2x RL and J flag positive results >2x RL ▪ If CRI %R 50-69% (30-49% for Sb, Pb, TL), then J- and UJ flag positive results <2x RL and ND, respectively ▪ If CRI %R >130% and ≤180% (>150%, but ≤200% for Sb, Pb, TL), then J+ flag positive results <2x RL ▪ If CRI %R >180% (>200% for Sb, Pb, TL), then R flag positive results ○ 7471A <ul style="list-style-type: none"> • ICV/CCV (Criteria: 80-120%R): <ul style="list-style-type: none"> ▪ If correlation coefficients <0.995, then J and UJ flag positive and non-detect results. ▪ If %R <65, then J- flag positive results and R-flag non-detects ▪ If 65-79%R, then J- flag positive results and UJ flag non-detects ▪ If 121-135%R, then J flag positive results ▪ If >135%R, then J+ flag positive results ▪ If >170%R, then R flag positive results • CRI (Method: Not required, Laboratory: 50-150%R, Project: 70-130%R): <ul style="list-style-type: none"> ▪ If CRI %R <50, then R flag results ≤ 2x RL and J flag positive results >2x RL ▪ If CRI %R 50-69%, then J- and UJ flag positive results <2x RL and ND, respectively ▪ If CRI %R >130% and ≤180%, then J+ flag positive results <2x RL | ✓ | | | Mercury correlation coefficient: <ul style="list-style-type: none"> • 7471B: ICAL of 04/25/2013 is 0.9999826 (page 248) | |

Data Validation Checklist (Continued)

| Review Questions | Yes | No | N/A | Samples (Analytes) Affected/Comments | Flag |
|---|-----|----|-----|--------------------------------------|------|
| <ul style="list-style-type: none"> ▪ If CRI %R >180%, then R flag positive result ○ 7196A: <ul style="list-style-type: none"> • ICV/CCV (Criteria: 90-110%R): <ul style="list-style-type: none"> ▪ If correlation coefficients <0.995, then J and UJ flag positive and non-detect results. ▪ If %R <65, then J- flag positive results and R-flag non-detects ▪ If 65-90%R, then J- flag positive results and UJ flag non-detects ▪ If 110-135%R, then J flag positive results ▪ If >135%R, then J+ flag positive results ▪ If >170%R, then R flag positive results | | | | | |
| <p>18. Was the interference check sample (ICS) analyzed at the beginning of each ICP analytical run?</p> | ✓ | | | | |
| <p>19. Are ICS recoveries within 80-120% of the true value? If not, qualify data as follows when native Al, Fe, Ca, and Mg sample concentrations are equal to or greater than the ICS spiking level:</p> <ul style="list-style-type: none"> ○ If >120%R (or >>true value plus 2x CRQL), J+ flag positive results ○ If 50-79%R (or less than true value – 2x the CRQL), J- flag positive results and UJ flag non-detects ○ If <50%R, J- flag positive results and R-flag non-detects | ✓ | | | | |
| <p>20. Was a LCS analyzed for each preparation batch (one per 20 samples per matrix and level)?</p> | ✓ | | | | |
| <p>21. Did LCS recoveries meet method/laboratory/project (80-120%R) specifications?</p> <ul style="list-style-type: none"> ○ Soil: <ul style="list-style-type: none"> • LCS result > Upper control limit (UCL): J+ flag positive results • LCS result < Lower control limit (LCL): J- flag positive results and UJ flag non-detects ○ Aqueous: <ul style="list-style-type: none"> • If <50%R, then J- and R flag positive and ND results, respectively • If 50-LCL%R, J- and UJ flag positive and ND results, respectively • >UCL: J+ Flag positive results • >150%R: R Flag results | ✓ | | | | |
| <p>22. Was the RPD between LCS and LCSD results within method/laboratory /project control limits (≤20%RPD)? If not, J and UJ flag positive and non-detect results, respectively</p> | | | ✓ | LCS only | |

Data Validation Checklist (Continued)

| Review Questions | Yes | No | N/A | Samples (Analytes) Affected/Comments | Flag |
|--|-----|----|-----|---|--------|
| 23. Was a Matrix Spike (MS) and Matrix Spike Duplicate (MSD) analyzed once per preparation batch? | ✓ | | | | |
| 24. Is the MS and MSD parent sample a project-specific sample? | ✓ | | | <ul style="list-style-type: none"> 6010C: Prep Batch 273873: 680-89516-2 (CV0117B-CS), MS/MSD 7471B: Prep Batch 274321: 680-89516-2 (CV0117B-CS), MS/MSD | |
| 25. Was a post-digestion spike (PDS) analysis conducted when MS and/or MSD results did not meet control limits (Note: PDS is not required for silver)? | ✓ | | | <ul style="list-style-type: none"> 6010C: <ul style="list-style-type: none"> 680-89459-12 (CV1066B-CS-SP), which was reported under Job ID 680-89459-3. Although MS/MSD results did not meet control limits during the analysis of sample 680-89516-2 (CV0117B-CS), a PDS analysis was not conducted. | |
| <p>26. For all analytes with sample concentration < 4 x spike concentration, are spike recoveries within method (6010C: 75-125%R MS/MSD and 80-120%R PDS; 7471B: 80-120%R MS/MSD and PDS not required), laboratory (MS, MSD, and PDS: 75-125%R), and project (as noted below) specifications? <i>Only QC results for project samples that are reported under this Job ID are evaluated.</i></p> <p>If not,</p> <ul style="list-style-type: none"> 6010C: <ul style="list-style-type: none"> If MS %R <30 and PDS %R <75, then J- and R Flag positive and ND results, respectively If MS %R <30 and PDS %R >75, then J flag positive and UJ flag non-detect results If MS and MSD %R 30-74 and PDS%R <75, then J- flag positive and UJ flag non-detect results If MS and MSD %R 30-74 and PDS%R ≥75, then J flag positive and UJ flag non-detect results If MS, MSD, and PDS %R >125, J+ flag positive results If MS and MSD %R >125 and PDS %R ≤125, then J flag positive results If MS and MSD %R <30 and no PDS, then J- flag positive and R-flag non-detect results If MS and MSD %R 30-74 and no PDS, then J- and UJ flag positive and non-detect results, respectively If MS and MSD %R >125 and no PDS, then J+ flag positive | | ✓ | | <p>CV0117B-CS (680-89516-2) [Note: PDS analysis not conducted]:</p> <ul style="list-style-type: none"> Arsenic @ 434 and 148 %R (75-125), J+ Flag sample result. Barium @ -135 and 1340 %R (75-125). An evaluation of interference is not possible based on MS and MSD results². Chromium @ -19 and 18 %R (75-125). An evaluation of interference is not possible based on MS and MSD results². Lead @ -2105 and 1730 %R (75-125). An evaluation of interference is not possible based on MS and MSD results². Silver @ 69 and 37 %R (75-125), J- Flag sample result. | J+, J- |

² The native sample concentration is greater than 4x the MS/MSD spiking level.

Data Validation Checklist (Continued)

| Review Questions | Yes | No | N/A | Samples (Analytes) Affected/Comments | Flag |
|--|-----|----|-----|--|------|
| <p>results</p> <ul style="list-style-type: none"> ○ 7471B: <ul style="list-style-type: none"> • If MS %R <30, then J- and R Flag positive and ND results, respectively • If MS and MSD %R 30-74, then J- flag positive and UJ flag non-detect results • If MS and MSD %R >125, then J+ flag positive results | | | | | |
| <p>27. Were laboratory/project ($\leq 20\%$RPD) criteria met for precision during the MS and MSD analysis? <i>Only QC results for project samples that are reported under this Job ID are evaluated.</i></p> <ul style="list-style-type: none"> ○ If RPD >20%, J and UJ flag positive and non-detect results. | | ✓ | | <p>CV0117B-CS (680-89516-2):</p> <ul style="list-style-type: none"> • Arsenic @ 54%RPD (≤ 20). J Flag sample result. • Barium @ 30%RPD (≤ 20). An evaluation of interference is not possible based on MS and MSD results². • Lead @ 48%RPD (≤ 20). An evaluation of interference is not possible based on MS and MSD results². • Silver @ 58%RPD (≤ 20). J Flag sample result. | J |
| 28. Was a serial dilution conducted for 6010C? | ✓ | | | 6010C: 680-89459-12 (CV1066B-CS-SP), which was reported under Job ID 680-89459-3. | |
| 29. Is the serial dilution parent sample a project-specific sample? | | ✓ | | See Above | |
| <p>30. Is the percent difference between the serially diluted result and undiluted result less 10% (for those analytes with native concentrations greater than 50x the DL)? <i>Only QC results for project samples that are reported under this Job ID are evaluated.</i></p> <ul style="list-style-type: none"> ○ If %D >10, J and UJ flag positive and non-detect results, respectively. | | | ✓ | | |
| 31. Was a laboratory duplicate analyzed? | | ✓ | | | |
| 32. Was the lab duplicate analysis conducted on a project-specific sample? | | | ✓ | | |

Data Validation Checklist (Continued)

| Review Questions | Yes | No | N/A | Samples (Analytes) Affected/Comments | Flag |
|---|-----|----|-----|---|------|
| 33. Were criteria for laboratory/project precision met? <i>Only QC results for project samples that are reported under this Job ID are evaluated.</i> <ul style="list-style-type: none"> ○ If RPD values >20% (35% for soil/sediment) or absolute difference > RL (2x RL for soil/sediment), then J and UJ flag positive and non-detect results, respectively. | | | ✓ | | |
| 34. Were lab comments included in report? If yes, summarize contents or attach a copy of the narrative. | ✓ | | | Refer to Attachment B (Case Narrative) | |
| <p>Comments: The data validation was conducted in accordance with the <i>Non-Industrial Use Property Sampling Event QAPP for the 35th Avenue Removal Site, Birmingham, Alabama, Revision 1</i> (OTIE, October 2012). The data review process was modeled after the <i>USEPA Contract Laboratory Program (CLP) National Functional Guidelines (NFG) for Inorganic Data Review</i> (EPA 540-R-04-004, October 2004). Sample results have been qualified based on the results of the data review process (Attachment C). Criteria for acceptability of data were based upon available site information, analytical method requirements, guidance documents, and professional judgment.</p> | | | | | |

DV Flag Definitions:

- J- The result is an estimated quantity, but the result may be biased low.
- J The result is an estimated quantity. The associated numerical value is the approximate concentration of the analyte in the sample.
- J+ The result is an estimated quantity, but the result may be biased high.
- R The data are unusable. The sample results are rejected due to serious deficiencies in meeting Quality Control (QC) criteria. The analyte may or may not be present in the sample.
- U The analyte was analyzed for, but was not detected above the associated level; blank contamination may exist.
- UJ The analyte was analyzed for, but was not detected. The reported limit is approximate and may be inaccurate or imprecise.

ATTACHMENT A
SAMPLE SUMMARY

Sample Summary

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

TestAmerica Job ID: 680-89516-3
SDG: 68089516-3

| Lab Sample ID | Client Sample ID | Matrix | Collected | Received |
|---------------|-----------------------|--------|----------------|----------------|
| 680-89516-2 | CV0117B-CS | Solid | 04/17/13 10:30 | 04/19/13 08:50 |
| 680-89516-19 | CV1178B-CS | Solid | 04/17/13 13:40 | 04/19/13 08:50 |
| 680-89516-28 | HP0311A-CS-SP | Solid | 04/17/13 15:00 | 04/19/13 08:50 |
| 680-89516-30 | CV0117B-CS (sieve) | Solid | 04/17/13 10:30 | 04/19/13 08:50 |
| 680-89516-31 | CV1178B-CS (sieve) | Solid | 04/17/13 13:40 | 04/19/13 08:50 |
| 680-89516-32 | HP0311A-CS-SP (sieve) | Solid | 04/17/13 15:00 | 04/19/13 08:50 |

ATTACHMENT B

CASE NARRATIVE

Case Narrative

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

TestAmerica Job ID: 680-89516-3
SDG: 68089516-3

Job ID: 680-89516-3

Laboratory: TestAmerica Savannah

Narrative

CASE NARRATIVE

Client: Oneida Total Integrated Enterprises LLC

Project: 35th Avenue Superfund Site

Report Number: 680-89516-3

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

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

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

RECEIPT

The samples were received on 04/19/2013; the samples arrived in good condition, properly preserved and on ice. The temperature of the coolers at receipt was 0.6 C.

METALS (ICP)

Samples CV0117B-CS (680-89516-2), CV1178B-CS (680-89516-19), HP0311A-CS-SP (680-89516-28), CV0117B-CS (sieve) (680-89516-30), CV1178B-CS (sieve) (680-89516-31) and HP0311A-CS-SP (sieve) (680-89516-32) were analyzed for Metals (ICP) in accordance with EPA SW-846 Method 6010C. The samples were prepared on 04/22/2013 and analyzed on 04/25/2013.

Several analytes recovered outside the recovery criteria for the MS/MSD of sample CV0117B-CS (680-89516-2) in batch 680-274404. Also, Arsenic, Barium, Lead and Silver exceeded the rpd limit.

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

No other difficulties were encountered during the metals analyses.

All other quality control parameters were within the acceptance limits.

TOTAL MERCURY

Samples CV0117B-CS (680-89516-2), CV1178B-CS (680-89516-19), HP0311A-CS-SP (680-89516-28), CV0117B-CS (sieve) (680-89516-30), CV1178B-CS (sieve) (680-89516-31) and HP0311A-CS-SP (sieve) (680-89516-32) were analyzed for total mercury in accordance with EPA SW-846 Method 7471B. The samples were prepared on 04/24/2013 and analyzed on 04/25/2013.

No difficulties were encountered during the mercury analyses.

All quality control parameters were within the acceptance limits.

ATTACHMENT C
QUALIFIED SAMPLE RESULTS

Client Sample Results

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

TestAmerica Job ID: 680-89516-3
 SDG: 68089516-3

Client Sample ID: CV0117B-CS

Lab Sample ID: 680-89516-2

Date Collected: 04/17/13 10:30

Matrix: Solid

Date Received: 04/19/13 08:50

Percent Solids: 72.0

Method: 6010C - Metals (ICP)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|----------|--------|-----------|------|------|-------|---|----------------|----------------|---------|
| Arsenic | 29 | J+ | 2.4 | 0.70 | mg/Kg | ☼ | 04/22/13 09:31 | 04/25/13 10:04 | 1 |
| Barium | 520 | | 1.2 | 0.36 | mg/Kg | ☼ | 04/22/13 09:31 | 04/25/13 10:04 | 1 |
| Cadmium | 1.8 | | 0.59 | 0.12 | mg/Kg | ☼ | 04/22/13 09:31 | 04/25/13 10:04 | 1 |
| Chromium | 51 | | 1.2 | 0.59 | mg/Kg | ☼ | 04/22/13 09:31 | 04/25/13 10:04 | 1 |
| Lead | 490 | | 1.2 | 0.63 | mg/Kg | ☼ | 04/22/13 09:31 | 04/25/13 10:04 | 1 |
| Selenium | 3.0 | U | 3.0 | 1.2 | mg/Kg | ☼ | 04/22/13 09:31 | 04/25/13 10:04 | 1 |
| Silver | 0.13 | J- | 1.2 | 0.11 | mg/Kg | ☼ | 04/22/13 09:31 | 04/25/13 10:04 | 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 | | 0.024 | 0.0098 | mg/Kg | ☼ | 04/24/13 17:14 | 04/25/13 19:17 | 1 |

Client Sample ID: CV1178B-CS

Lab Sample ID: 680-89516-19

Date Collected: 04/17/13 13:40

Matrix: Solid

Date Received: 04/19/13 08:50

Percent Solids: 74.7

Method: 6010C - Metals (ICP)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|----------|--------|-----------|------|------|-------|---|----------------|----------------|---------|
| Arsenic | 23 | | 2.3 | 0.67 | mg/Kg | ☼ | 04/22/13 09:31 | 04/25/13 10:22 | 1 |
| Barium | 240 | | 1.1 | 0.34 | mg/Kg | ☼ | 04/22/13 09:31 | 04/25/13 10:22 | 1 |
| Cadmium | 2.3 | | 0.57 | 0.11 | mg/Kg | ☼ | 04/22/13 09:31 | 04/25/13 10:22 | 1 |
| Chromium | 50 | | 1.1 | 0.57 | mg/Kg | ☼ | 04/22/13 09:31 | 04/25/13 10:22 | 1 |
| Lead | 300 | | 1.1 | 0.61 | mg/Kg | ☼ | 04/22/13 09:31 | 04/25/13 10:22 | 1 |
| Selenium | 2.9 | U | 2.9 | 1.1 | mg/Kg | ☼ | 04/22/13 09:31 | 04/25/13 10:22 | 1 |
| Silver | 1.1 | U | 1.1 | 0.11 | mg/Kg | ☼ | 04/22/13 09:31 | 04/25/13 10:22 | 1 |

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

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---------|--------|-----------|-------|--------|-------|---|----------------|----------------|---------|
| Mercury | 0.34 | | 0.024 | 0.0098 | mg/Kg | ☼ | 04/24/13 17:14 | 04/25/13 19:24 | 1 |

Client Sample ID: HP0311A-CS-SP

Lab Sample ID: 680-89516-28

Date Collected: 04/17/13 15:00

Matrix: Solid

Date Received: 04/19/13 08:50

Percent Solids: 64.8

Method: 6010C - Metals (ICP)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|----------|--------|-----------|------|------|-------|---|----------------|----------------|---------|
| Arsenic | 43 | | 3.0 | 0.88 | mg/Kg | ☼ | 04/22/13 09:31 | 04/25/13 10:27 | 1 |
| Barium | 360 | | 1.5 | 0.45 | mg/Kg | ☼ | 04/22/13 09:31 | 04/25/13 10:27 | 1 |
| Cadmium | 1.6 | | 0.75 | 0.15 | mg/Kg | ☼ | 04/22/13 09:31 | 04/25/13 10:27 | 1 |
| Chromium | 69 | | 1.5 | 0.75 | mg/Kg | ☼ | 04/22/13 09:31 | 04/25/13 10:27 | 1 |
| Lead | 430 | | 1.5 | 0.79 | mg/Kg | ☼ | 04/22/13 09:31 | 04/25/13 10:27 | 1 |
| Selenium | 3.7 | U | 3.7 | 1.5 | mg/Kg | ☼ | 04/22/13 09:31 | 04/25/13 10:27 | 1 |
| Silver | 0.30 | J | 1.5 | 0.14 | mg/Kg | ☼ | 04/22/13 09:31 | 04/25/13 10:27 | 1 |

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

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---------|--------|-----------|-------|-------|-------|---|----------------|----------------|---------|
| Mercury | 0.21 | | 0.026 | 0.011 | mg/Kg | ☼ | 04/24/13 17:14 | 04/25/13 19:27 | 1 |

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

Client Sample Results

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

TestAmerica Job ID: 680-89516-3
 SDG: 68089516-3

Client Sample ID: CV0117B-CS (sieve)

Lab Sample ID: 680-89516-30

Date Collected: 04/17/13 10:30

Matrix: Solid

Date Received: 04/19/13 08:50

Percent Solids: 71.7

Method: 6010C - Metals (ICP)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|----------|--------|-----------|------|------|-------|---|----------------|----------------|---------|
| Arsenic | 32 | | 2.5 | 0.75 | mg/Kg | ☼ | 04/22/13 09:31 | 04/25/13 10:33 | 1 |
| Barium | 780 | | 1.3 | 0.38 | mg/Kg | ☼ | 04/22/13 09:31 | 04/25/13 10:33 | 1 |
| Cadmium | 1.9 | | 0.63 | 0.13 | mg/Kg | ☼ | 04/22/13 09:31 | 04/25/13 10:33 | 1 |
| Chromium | 47 | | 1.3 | 0.63 | mg/Kg | ☼ | 04/22/13 09:31 | 04/25/13 10:33 | 1 |
| Lead | 660 | | 1.3 | 0.67 | mg/Kg | ☼ | 04/22/13 09:31 | 04/25/13 10:33 | 1 |
| Selenium | 3.2 | U | 3.2 | 1.3 | mg/Kg | ☼ | 04/22/13 09:31 | 04/25/13 10:33 | 1 |
| Silver | 0.28 | J | 1.3 | 0.12 | mg/Kg | ☼ | 04/22/13 09:31 | 04/25/13 10:33 | 1 |

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

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---------|--------|-----------|-------|-------|-------|---|----------------|----------------|---------|
| Mercury | 0.21 | | 0.025 | 0.010 | mg/Kg | ☼ | 04/24/13 17:14 | 04/25/13 19:29 | 1 |

Client Sample ID: CV1178B-CS (sieve)

Lab Sample ID: 680-89516-31

Date Collected: 04/17/13 13:40

Matrix: Solid

Date Received: 04/19/13 08:50

Percent Solids: 78.1

Method: 6010C - Metals (ICP)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|----------|--------|-----------|------|------|-------|---|----------------|----------------|---------|
| Arsenic | 37 | | 2.5 | 0.73 | mg/Kg | ☼ | 04/22/13 09:31 | 04/25/13 10:38 | 1 |
| Barium | 270 | | 1.2 | 0.37 | mg/Kg | ☼ | 04/22/13 09:31 | 04/25/13 10:38 | 1 |
| Cadmium | 3.7 | | 0.62 | 0.12 | mg/Kg | ☼ | 04/22/13 09:31 | 04/25/13 10:38 | 1 |
| Chromium | 55 | | 1.2 | 0.62 | mg/Kg | ☼ | 04/22/13 09:31 | 04/25/13 10:38 | 1 |
| Lead | 420 | | 1.2 | 0.65 | mg/Kg | ☼ | 04/22/13 09:31 | 04/25/13 10:38 | 1 |
| Selenium | 3.1 | U | 3.1 | 1.2 | mg/Kg | ☼ | 04/22/13 09:31 | 04/25/13 10:38 | 1 |
| Silver | 1.2 | U | 1.2 | 0.12 | mg/Kg | ☼ | 04/22/13 09:31 | 04/25/13 10:38 | 1 |

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

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---------|--------|-----------|-------|--------|-------|---|----------------|----------------|---------|
| Mercury | 0.34 | | 0.023 | 0.0095 | mg/Kg | ☼ | 04/24/13 17:14 | 04/25/13 19:32 | 1 |

Client Sample ID: HP0311A-CS-SP (sieve)

Lab Sample ID: 680-89516-32

Date Collected: 04/17/13 15:00

Matrix: Solid

Date Received: 04/19/13 08:50

Percent Solids: 79.3

Method: 6010C - Metals (ICP)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|----------|--------|-----------|------|------|-------|---|----------------|----------------|---------|
| Arsenic | 44 | | 2.5 | 0.74 | mg/Kg | ☼ | 04/22/13 09:31 | 04/25/13 10:44 | 1 |
| Barium | 350 | | 1.2 | 0.37 | mg/Kg | ☼ | 04/22/13 09:31 | 04/25/13 10:44 | 1 |
| Cadmium | 1.8 | | 0.62 | 0.12 | mg/Kg | ☼ | 04/22/13 09:31 | 04/25/13 10:44 | 1 |
| Chromium | 75 | | 1.2 | 0.62 | mg/Kg | ☼ | 04/22/13 09:31 | 04/25/13 10:44 | 1 |
| Lead | 520 | | 1.2 | 0.66 | mg/Kg | ☼ | 04/22/13 09:31 | 04/25/13 10:44 | 1 |
| Selenium | 1.3 | J | 3.1 | 1.2 | mg/Kg | ☼ | 04/22/13 09:31 | 04/25/13 10:44 | 1 |
| Silver | 0.53 | J | 1.2 | 0.12 | mg/Kg | ☼ | 04/22/13 09:31 | 04/25/13 10:44 | 1 |

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

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---------|--------|-----------|-------|--------|-------|---|----------------|----------------|---------|
| Mercury | 0.21 | | 0.024 | 0.0099 | mg/Kg | ☼ | 04/24/13 17:14 | 04/25/13 19:34 | 1 |

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

ANALYTICAL REPORT

Job Number: 680-89516-3

SDG Number: 68089516-3

Job Description: 35th Avenue Superfund Site

For:

Oneida Total Integrated Enterprises LLC

1220 Kennestone Circle

Suite 106

Marietta, GA 30060

Attention: Ms. Limari F Krebs



Approved for release.
Bernard Kirkland
Project Manager I
4/30/2013 1:47 PM

Designee for

Lisa Harvey

Project Manager II

lisa.harvey@testamericainc.com

04/30/2013

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 #: 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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CASE NARRATIVE

Client: Oneida Total Integrated Enterprises LLC

Project: 35th Avenue Superfund Site

Report Number: 680-89516-3

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

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

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

RECEIPT

The samples were received on 04/19/2013; the samples arrived in good condition, properly preserved and on ice. The temperature of the coolers at receipt was 0.6 C.

METALS (ICP)

Samples CV0117B-CS (680-89516-2), CV1178B-CS (680-89516-19), HP0311A-CS-SP (680-89516-28), CV0117B-CS (sieve) (680-89516-30), CV1178B-CS (sieve) (680-89516-31) and HP0311A-CS-SP (sieve) (680-89516-32) were analyzed for Metals (ICP) in accordance with EPA SW-846 Method 6010C. The samples were prepared on 04/22/2013 and analyzed on 04/25/2013.

Several analytes recovered outside the recovery criteria for the MS/MSD of sample CV0117B-CS (680-89516-2) in batch 680-274404. Also, Arsenic, Barium, Lead and Silver exceeded the rpd limit.

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

No other difficulties were encountered during the metals analyses.

All other quality control parameters were within the acceptance limits.

TOTAL MERCURY

Samples CV0117B-CS (680-89516-2), CV1178B-CS (680-89516-19), HP0311A-CS-SP (680-89516-28), CV0117B-CS (sieve) (680-89516-30), CV1178B-CS (sieve) (680-89516-31) and HP0311A-CS-SP (sieve) (680-89516-32) were analyzed for total mercury in accordance with EPA SW-846 Method 7471B. The samples were prepared on 04/24/2013 and analyzed on 04/25/2013.

No difficulties were encountered during the mercury analyses.

All quality control parameters were within the acceptance limits.

SAMPLE SUMMARY

Client: Oneida Total Integrated Enterprises LLC

Job Number: 680-89516-3

Sdg Number: 68089516-3

| Lab Sample ID | Client Sample ID | Client Matrix | Date/Time Sampled | Date/Time Received |
|----------------------|-------------------------|----------------------|------------------------------|-------------------------------|
| 680-89516-2 | CV0117B-CS | Solid | 04/17/2013 1030 | 04/19/2013 0850 |
| 680-89516-2MS | CV0117B-CS | Solid | 04/17/2013 1030 | 04/19/2013 0850 |
| 680-89516-2MSD | CV0117B-CS | Solid | 04/17/2013 1030 | 04/19/2013 0850 |
| 680-89516-19 | CV1178B-CS | Solid | 04/17/2013 1340 | 04/19/2013 0850 |
| 680-89516-28 | HP0311A-CS-SP | Solid | 04/17/2013 1500 | 04/19/2013 0850 |
| 680-89516-30 | CV0117B-CS (sieve) | Solid | 04/17/2013 1030 | 04/19/2013 0850 |
| 680-89516-31 | CV1178B-CS (sieve) | Solid | 04/17/2013 1340 | 04/19/2013 0850 |
| 680-89516-32 | HP0311A-CS-SP (sieve) | Solid | 04/17/2013 1500 | 04/19/2013 0850 |

METHOD SUMMARY

Client: Oneida Total Integrated Enterprises LLC

Job Number: 680-89516-3

Sdg Number: 68089516-3

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

Lab References:

TAL SAV = TestAmerica Savannah

TAL TAM = TestAmerica Tampa

Method References:

EPA = US Environmental Protection Agency

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

METHOD / ANALYST SUMMARY

Client: Oneida Total Integrated Enterprises LLC

Job Number: 680-89516-3

Sdg Number: 68089516-3

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

DATA REPORTING QUALIFIERS

Client: Oneida Total Integrated Enterprises LLC

Job Number: 680-89516-3

Sdg Number: 68089516-3

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

Quality Control Results

Client: Oneida Total Integrated Enterprises LLC

Job Number: 680-89516-3

Sdg Number: 68089516-3

QC Association Summary

| Lab Sample ID | Client Sample ID | Report | | Method | Prep Batch |
|----------------------------------|------------------------|--------|---------------|--------|------------|
| | | Basis | Client Matrix | | |
| Metals | | | | | |
| Prep Batch: 680-273873 | | | | | |
| LCS 680-273873/3-A | Lab Control Sample | T | Solid | 3050B | |
| MB 680-273873/1-A | Method Blank | T | Solid | 3050B | |
| 680-89516-2 | CV0117B-CS | T | Solid | 3050B | |
| 680-89516-2MS | Matrix Spike | T | Solid | 3050B | |
| 680-89516-2MSD | Matrix Spike Duplicate | T | Solid | 3050B | |
| 680-89516-19 | CV1178B-CS | T | Solid | 3050B | |
| 680-89516-28 | HP0311A-CS-SP | T | Solid | 3050B | |
| 680-89516-30 | CV0117B-CS (sieve) | T | Solid | 3050B | |
| 680-89516-31 | CV1178B-CS (sieve) | T | Solid | 3050B | |
| 680-89516-32 | HP0311A-CS-SP (sieve) | T | Solid | 3050B | |
| Prep Batch: 680-274321 | | | | | |
| LCS 680-274321/2-A | Lab Control Sample | T | Solid | 7471B | |
| MB 680-274321/1-A | Method Blank | T | Solid | 7471B | |
| 680-89516-2 | CV0117B-CS | T | Solid | 7471B | |
| 680-89516-2MS | Matrix Spike | T | Solid | 7471B | |
| 680-89516-2MSD | Matrix Spike Duplicate | T | Solid | 7471B | |
| 680-89516-19 | CV1178B-CS | T | Solid | 7471B | |
| 680-89516-28 | HP0311A-CS-SP | T | Solid | 7471B | |
| 680-89516-30 | CV0117B-CS (sieve) | T | Solid | 7471B | |
| 680-89516-31 | CV1178B-CS (sieve) | T | Solid | 7471B | |
| 680-89516-32 | HP0311A-CS-SP (sieve) | T | Solid | 7471B | |
| Analysis Batch:680-274404 | | | | | |
| LCS 680-273873/3-A | Lab Control Sample | T | Solid | 6010C | 680-273873 |
| MB 680-273873/1-A | Method Blank | T | Solid | 6010C | 680-273873 |
| 680-89516-2 | CV0117B-CS | T | Solid | 6010C | 680-273873 |
| 680-89516-2MS | Matrix Spike | T | Solid | 6010C | 680-273873 |
| 680-89516-2MSD | Matrix Spike Duplicate | T | Solid | 6010C | 680-273873 |
| 680-89516-19 | CV1178B-CS | T | Solid | 6010C | 680-273873 |
| 680-89516-28 | HP0311A-CS-SP | T | Solid | 6010C | 680-273873 |
| 680-89516-30 | CV0117B-CS (sieve) | T | Solid | 6010C | 680-273873 |
| 680-89516-31 | CV1178B-CS (sieve) | T | Solid | 6010C | 680-273873 |
| 680-89516-32 | HP0311A-CS-SP (sieve) | T | Solid | 6010C | 680-273873 |

Quality Control Results

Client: Oneida Total Integrated Enterprises LLC

Job Number: 680-89516-3

Sdg Number: 68089516-3

QC Association Summary

| Lab Sample ID | Client Sample ID | Report | | Method | Prep Batch |
|----------------------------------|------------------------|--------|---------------|--------|------------|
| | | Basis | Client Matrix | | |
| Metals | | | | | |
| Analysis Batch:680-274518 | | | | | |
| LCS 680-274321/2-A | Lab Control Sample | T | Solid | 7471B | 680-274321 |
| MB 680-274321/1-A | Method Blank | T | Solid | 7471B | 680-274321 |
| 680-89516-2 | CV0117B-CS | T | Solid | 7471B | 680-274321 |
| 680-89516-2MS | Matrix Spike | T | Solid | 7471B | 680-274321 |
| 680-89516-2MSD | Matrix Spike Duplicate | T | Solid | 7471B | 680-274321 |
| 680-89516-19 | CV1178B-CS | T | Solid | 7471B | 680-274321 |
| 680-89516-28 | HP0311A-CS-SP | T | Solid | 7471B | 680-274321 |
| 680-89516-30 | CV0117B-CS (sieve) | T | Solid | 7471B | 680-274321 |
| 680-89516-31 | CV1178B-CS (sieve) | T | Solid | 7471B | 680-274321 |
| 680-89516-32 | HP0311A-CS-SP (sieve) | T | Solid | 7471B | 680-274321 |

Report Basis

T = Total

General Chemistry

| | | | | | |
|----------------------------------|------------------------|---|-------|----------|--|
| Analysis Batch:660-136686 | | | | | |
| 680-89516-2 | CV0117B-CS | T | Solid | Moisture | |
| 680-89516-2MS | Matrix Spike | T | Solid | Moisture | |
| 680-89516-2MSD | Matrix Spike Duplicate | T | Solid | Moisture | |
| 680-89516-19 | CV1178B-CS | T | Solid | Moisture | |
| 680-89516-A-21 MS | Matrix Spike | T | Solid | Moisture | |
| 680-89516-A-21 MSD | Matrix Spike Duplicate | T | Solid | Moisture | |
| 680-89516-28 | HP0311A-CS-SP | T | Solid | Moisture | |
| Analysis Batch:680-274034 | | | | | |
| 680-89516-30 | CV0117B-CS (sieve) | T | Solid | Moisture | |
| 680-89516-31 | CV1178B-CS (sieve) | T | Solid | Moisture | |
| 680-89516-32 | HP0311A-CS-SP (sieve) | T | Solid | Moisture | |

Report Basis

T = Total

METALS

COVER PAGE
METALS

Lab Name: TestAmerica Savannah Job Number: 680-89516-3

SDG No.: 68089516-3

Project: 35th Avenue Superfund Site

| Client Sample ID | Lab Sample ID |
|------------------------------|---------------------|
| <u>CV0117B-CS</u> | <u>680-89516-2</u> |
| <u>CV1178B-CS</u> | <u>680-89516-19</u> |
| <u>HP0311A-CS-SP</u> | <u>680-89516-28</u> |
| <u>CV0117B-CS (sieve)</u> | <u>680-89516-30</u> |
| <u>CV1178B-CS (sieve)</u> | <u>680-89516-31</u> |
| <u>HP0311A-CS-SP (sieve)</u> | <u>680-89516-32</u> |

Comments:

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS

Client Sample ID: CV0117B-CS Lab Sample ID: 680-89516-2
 Lab Name: TestAmerica Savannah Job No.: 680-89516-3
 SDG ID.: 68089516-3
 Matrix: Solid Date Sampled: 04/17/2013 10:30
 Reporting Basis: DRY Date Received: 04/19/2013 08:50
 % Solids: 72.0

| CAS No. | Analyte | Result | RL | MDL | Units | C | Q | DIL | Method |
|-----------|----------|--------|-------|--------|-------|---|---|-----|--------|
| 7440-38-2 | Arsenic | 29 | 2.4 | 0.70 | mg/Kg | | | 1 | 6010C |
| 7440-39-3 | Barium | 520 | 1.2 | 0.36 | mg/Kg | | | 1 | 6010C |
| 7440-43-9 | Cadmium | 1.8 | 0.59 | 0.12 | mg/Kg | | | 1 | 6010C |
| 7440-47-3 | Chromium | 51 | 1.2 | 0.59 | mg/Kg | | | 1 | 6010C |
| 7439-92-1 | Lead | 490 | 1.2 | 0.63 | mg/Kg | | | 1 | 6010C |
| 7782-49-2 | Selenium | 3.0 | 3.0 | 1.2 | mg/Kg | U | | 1 | 6010C |
| 7440-22-4 | Silver | 0.13 | 1.2 | 0.11 | mg/Kg | J | | 1 | 6010C |
| 7439-97-6 | Mercury | 0.21 | 0.024 | 0.0098 | mg/Kg | | | 1 | 7471B |

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS

Client Sample ID: CV1178B-CS Lab Sample ID: 680-89516-19
 Lab Name: TestAmerica Savannah Job No.: 680-89516-3
 SDG ID.: 68089516-3
 Matrix: Solid Date Sampled: 04/17/2013 13:40
 Reporting Basis: DRY Date Received: 04/19/2013 08:50
 % Solids: 74.7

| CAS No. | Analyte | Result | RL | MDL | Units | C | Q | DIL | Method |
|-----------|----------|--------|-------|--------|-------|---|---|-----|--------|
| 7440-38-2 | Arsenic | 23 | 2.3 | 0.67 | mg/Kg | | | 1 | 6010C |
| 7440-39-3 | Barium | 240 | 1.1 | 0.34 | mg/Kg | | | 1 | 6010C |
| 7440-43-9 | Cadmium | 2.3 | 0.57 | 0.11 | mg/Kg | | | 1 | 6010C |
| 7440-47-3 | Chromium | 50 | 1.1 | 0.57 | mg/Kg | | | 1 | 6010C |
| 7439-92-1 | Lead | 300 | 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 | 1.1 | 1.1 | 0.11 | mg/Kg | U | | 1 | 6010C |
| 7439-97-6 | Mercury | 0.34 | 0.024 | 0.0098 | mg/Kg | | | 1 | 7471B |

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS

Client Sample ID: HP0311A-CS-SP Lab Sample ID: 680-89516-28
 Lab Name: TestAmerica Savannah Job No.: 680-89516-3
 SDG ID.: 68089516-3
 Matrix: Solid Date Sampled: 04/17/2013 15:00
 Reporting Basis: DRY Date Received: 04/19/2013 08:50
 % Solids: 64.8

| CAS No. | Analyte | Result | RL | MDL | Units | C | Q | DIL | Method |
|-----------|----------|--------|-------|-------|-------|---|---|-----|--------|
| 7440-38-2 | Arsenic | 43 | 3.0 | 0.88 | mg/Kg | | | 1 | 6010C |
| 7440-39-3 | Barium | 360 | 1.5 | 0.45 | mg/Kg | | | 1 | 6010C |
| 7440-43-9 | Cadmium | 1.6 | 0.75 | 0.15 | mg/Kg | | | 1 | 6010C |
| 7440-47-3 | Chromium | 69 | 1.5 | 0.75 | mg/Kg | | | 1 | 6010C |
| 7439-92-1 | Lead | 430 | 1.5 | 0.79 | mg/Kg | | | 1 | 6010C |
| 7782-49-2 | Selenium | 3.7 | 3.7 | 1.5 | mg/Kg | U | | 1 | 6010C |
| 7440-22-4 | Silver | 0.30 | 1.5 | 0.14 | mg/Kg | J | | 1 | 6010C |
| 7439-97-6 | Mercury | 0.21 | 0.026 | 0.011 | mg/Kg | | | 1 | 7471B |

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS

Client Sample ID: CV0117B-CS (sieve)

Lab Sample ID: 680-89516-30

Lab Name: TestAmerica Savannah

Job No.: 680-89516-3

SDG ID.: 68089516-3

Matrix: Solid

Date Sampled: 04/17/2013 10:30

Reporting Basis: DRY

Date Received: 04/19/2013 08:50

% Solids: 71.7

| CAS No. | Analyte | Result | RL | MDL | Units | C | Q | DIL | Method |
|-----------|----------|--------|-------|-------|-------|---|---|-----|--------|
| 7440-38-2 | Arsenic | 32 | 2.5 | 0.75 | mg/Kg | | | 1 | 6010C |
| 7440-39-3 | Barium | 780 | 1.3 | 0.38 | mg/Kg | | | 1 | 6010C |
| 7440-43-9 | Cadmium | 1.9 | 0.63 | 0.13 | mg/Kg | | | 1 | 6010C |
| 7440-47-3 | Chromium | 47 | 1.3 | 0.63 | mg/Kg | | | 1 | 6010C |
| 7439-92-1 | Lead | 660 | 1.3 | 0.67 | mg/Kg | | | 1 | 6010C |
| 7782-49-2 | Selenium | 3.2 | 3.2 | 1.3 | mg/Kg | U | | 1 | 6010C |
| 7440-22-4 | Silver | 0.28 | 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: CV1178B-CS (sieve)

Lab Sample ID: 680-89516-31

Lab Name: TestAmerica Savannah

Job No.: 680-89516-3

SDG ID.: 68089516-3

Matrix: Solid

Date Sampled: 04/17/2013 13:40

Reporting Basis: DRY

Date Received: 04/19/2013 08:50

% Solids: 78.1

| CAS No. | Analyte | Result | RL | MDL | Units | C | Q | DIL | Method |
|-----------|----------|--------|-------|--------|-------|---|---|-----|--------|
| 7440-38-2 | Arsenic | 37 | 2.5 | 0.73 | mg/Kg | | | 1 | 6010C |
| 7440-39-3 | Barium | 270 | 1.2 | 0.37 | mg/Kg | | | 1 | 6010C |
| 7440-43-9 | Cadmium | 3.7 | 0.62 | 0.12 | mg/Kg | | | 1 | 6010C |
| 7440-47-3 | Chromium | 55 | 1.2 | 0.62 | mg/Kg | | | 1 | 6010C |
| 7439-92-1 | Lead | 420 | 1.2 | 0.65 | mg/Kg | | | 1 | 6010C |
| 7782-49-2 | Selenium | 3.1 | 3.1 | 1.2 | mg/Kg | U | | 1 | 6010C |
| 7440-22-4 | Silver | 1.2 | 1.2 | 0.12 | mg/Kg | U | | 1 | 6010C |
| 7439-97-6 | Mercury | 0.34 | 0.023 | 0.0095 | mg/Kg | | | 1 | 7471B |

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS

Client Sample ID: HP0311A-CS-SP (sieve)

Lab Sample ID: 680-89516-32

Lab Name: TestAmerica Savannah

Job No.: 680-89516-3

SDG ID.: 68089516-3

Matrix: Solid

Date Sampled: 04/17/2013 15:00

Reporting Basis: DRY

Date Received: 04/19/2013 08:50

% Solids: 79.3

| CAS No. | Analyte | Result | RL | MDL | Units | C | Q | DIL | Method |
|-----------|----------|--------|-------|--------|-------|---|---|-----|--------|
| 7440-38-2 | Arsenic | 44 | 2.5 | 0.74 | mg/Kg | | | 1 | 6010C |
| 7440-39-3 | Barium | 350 | 1.2 | 0.37 | mg/Kg | | | 1 | 6010C |
| 7440-43-9 | Cadmium | 1.8 | 0.62 | 0.12 | mg/Kg | | | 1 | 6010C |
| 7440-47-3 | Chromium | 75 | 1.2 | 0.62 | mg/Kg | | | 1 | 6010C |
| 7439-92-1 | Lead | 520 | 1.2 | 0.66 | mg/Kg | | | 1 | 6010C |
| 7782-49-2 | Selenium | 1.3 | 3.1 | 1.2 | mg/Kg | J | | 1 | 6010C |
| 7440-22-4 | Silver | 0.53 | 1.2 | 0.12 | mg/Kg | J | | 1 | 6010C |
| 7439-97-6 | Mercury | 0.21 | 0.024 | 0.0099 | mg/Kg | | | 1 | 7471B |

2A-IN
CALIBRATION VERIFICATIONS
METALS

Lab Name: TestAmerica Savannah Job No.: 680-89516-3

SDG No.: 68089516-3

ICV Source: P_ICV_wk_00213 Concentration Units: ug/L

CCV Source: P_CCV_wk_00109

| Analyte | ICV 680-274404/5 04/24/2013 18:19 | | | | CCV 680-274404/145 04/25/2013 07:23 | | | | CCV 680-274404/157 04/25/2013 08:31 | | | |
|-----------------|--------------------------------------|---|------|-----|--|---|------|-----|--|---|------|-----|
| | Found | C | True | %R | Found | C | True | %R | Found | C | True | %R |
| Arsenic | 973 | | 1000 | 97 | 514 | | 500 | 103 | 499 | | 500 | 100 |
| Barium | 1030 | | 1000 | 103 | 5280 | | 5000 | 106 | 5120 | | 5000 | 102 |
| Cadmium | 1040 | | 1000 | 104 | 548 | | 500 | 110 | 532 | | 500 | 106 |
| Chromium | 1020 | | 1000 | 102 | 5410 | | 5000 | 108 | 5240 | | 5000 | 105 |
| Lead | 1000 | | 1000 | 100 | 520 | | 500 | 104 | 502 | | 500 | 100 |
| Selenium | 969 | | 1000 | 97 | 5350 | | 5000 | 107 | 5230 | | 5000 | 105 |
| Silver | 978 | | 1000 | 98 | 514 | | 500 | 103 | 500 | | 500 | 100 |

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

2A-IN
 CALIBRATION VERIFICATIONS
 METALS

Lab Name: TestAmerica Savannah Job No.: 680-89516-3

SDG No.: 68089516-3

ICV Source: P_ICV_wk_00213 Concentration Units: ug/L

CCV Source: P_CCV_wk_00109

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

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

2A-IN
 CALIBRATION VERIFICATIONS
 METALS

Lab Name: TestAmerica Savannah Job No.: 680-89516-3

SDG No.: 68089516-3

ICV Source: hg_icvint_00085 Concentration Units: ug/L

CCV Source: Hg_Int_Cal_00091

| Analyte | ICV 680-274321/33-A 04/25/2013 19:00 | | | | CCV 680-274321/30-A 04/25/2013 19:07 | | | | CCV 680-274321/30-A 04/25/2013 19:37 | | | |
|----------------|---|---|------|-----|---|---|------|-----|---|---|------|-----|
| | Found | C | True | %R | Found | C | True | %R | Found | C | True | %R |
| Mercury | 3.23 | | 3.00 | 108 | 2.63 | | 2.50 | 105 | 2.70 | | 2.50 | 108 |

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.: 680-89516-3
 SDG No.: 68089516-3
 Method: 6010C Instrument ID: ICPE
 Lab Sample ID: CRI 680-274404/7 Concentration Units: ug/L
 CRQL Check Standard Source: P_CRI_00023

| Analyte | CRQL Check Standard | | | | |
|----------|---------------------|-------|------------|-------|--------|
| | True | Found | Qualifiers | %R(1) | Limits |
| Arsenic | 20.0 | 24.7 | | 123 | 50-150 |
| Barium | 10.0 | 10.6 | | 106 | 50-150 |
| Cadmium | 5.00 | 5.62 | | 112 | 50-150 |
| Chromium | 10.0 | 11.7 | | 117 | 50-150 |
| Lead | 10.0 | 8.78 | J | 88 | 50-150 |
| Selenium | 20.0 | 20.9 | J | 104 | 50-150 |
| Silver | 10.0 | 10.9 | | 109 | 50-150 |

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

2B-IN
CRQL CHECK STANDARD
METALS

Lab Name: TestAmerica Savannah Job No.: 680-89516-3
 SDG No.: 68089516-3
 Method: 7471B Instrument ID: LEEMAN2
 Lab Sample ID: CRA 680-274321/35-A Concentration Units: ug/L
 CRQL Check Standard Source: Hg_Int_Cal_00091

| Analyte | CRQL Check Standard | | | | |
|---------|---------------------|-------|------------|-------|--------|
| | True | Found | Qualifiers | %R(1) | Limits |
| Mercury | 0.200 | 0.200 | | 100 | 50-150 |

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

3-IN
INSTRUMENT BLANKS
METALS

Lab Name: TestAmerica Savannah Job No.: 680-89516-3

SDG No.: 68089516-3

Concentration Units: ug/L

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

Italicized analytes were not requested for this sequence.

3-IN
INSTRUMENT BLANKS
METALS

Lab Name: TestAmerica Savannah Job No.: 680-89516-3

SDG No.: 68089516-3

Concentration Units: ug/L

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

Italicized analytes were not requested for this sequence.

3-IN
INSTRUMENT BLANKS
METALS

Lab Name: TestAmerica Savannah Job No.: 680-89516-3

SDG No.: 68089516-3

Concentration Units: ug/L

| Analyte | RL | ICB 680-274321/34-A 04/25/2013 19:02 | | CCB 680-274321/31-A 04/25/2013 19:10 | | CCB 680-274321/31-A 04/25/2013 19:39 | | 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.: 680-89516-3
SDG No.: 68089516-3
Concentration Units: mg/Kg Lab Sample ID: MB 680-273873/1-A
Instrument Code: ICPE Batch No.: 274404

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

3-IN
METHOD BLANK
METALS

Lab Name: TestAmerica Savannah Job No.: 680-89516-3
SDG No.: 68089516-3
Concentration Units: mg/Kg Lab Sample ID: MB 680-274321/1-A
Instrument Code: LEEMAN2 Batch No.: 274518

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

4A-IN
INTERFERENCE CHECK STANDARD
METALS

Lab Name: TestAmerica Savannah

Job No.: 680-89516-3

SDG No.: 68089516-3

Lab Sample ID: ICSA 680-274404/8

Instrument ID: ICPE

Lab File ID: E04242013.csv

ICS Source: P_ICSA_wk_00031

Concentration Units: ug/L

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

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

4A-IN
INTERFERENCE CHECK STANDARD
METALS

Lab Name: TestAmerica Savannah

Job No.: 680-89516-3

SDG No.: 68089516-3

Lab Sample ID: ICSAB 680-274404/9

Instrument ID: ICPE

Lab File ID: E04242013.csv

ICS Source: P_ICSAB_wk_00044

Concentration Units: ug/L

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

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

5A-IN
 MATRIX SPIKE SAMPLE RECOVERY
 METALS

Client ID: CV0117B-CS MS

Lab ID: 680-89516-2 MS

Lab Name: TestAmerica Savannah

Job No.: 680-89516-3

SDG No.: 68089516-3

Matrix: Solid

Concentration Units: mg/Kg

% Solids: 72.0

| Analyte | SSR C | Sample Result (SR) C | Spike Added (SA) | %R | Control Limit %R | Q | Method |
|----------|----------|----------------------------|---------------------|-------|------------------------|---|--------|
| Arsenic | 81.3 | 29 | 12.1 | 434 | 75-125 | F | 6010C |
| Barium | 499 | 520 | 12.1 | -135 | 75-125 | 4 | 6010C |
| Cadmium | 7.48 | 1.8 | 6.04 | 95 | 75-125 | | 6010C |
| Chromium | 48.7 | 51 | 12.1 | -19 | 75-125 | 4 | 6010C |
| Lead | 367 | 490 | 6.04 | -2105 | 75-125 | 4 | 6010C |
| Selenium | 11.4 | 3.0 U | 12.1 | 94 | 75-125 | | 6010C |
| Silver | 4.28 | 0.13 J | 6.04 | 69 | 75-125 | F | 6010C |
| Mercury | 0.340 | 0.21 | 0.134 | 99 | 80-120 | | 7471B |

SSR = Spiked Sample Result

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

5A-IN
 MATRIX SPIKE DUPLICATE SAMPLE RECOVERY
 METALS

Client ID: CV0117B-CS MSD Lab ID: 680-89516-2 MSD
 Lab Name: TestAmerica Savannah Job No.: 680-89516-3
 SDG No.: 68089516-3
 Matrix: Solid Concentration Units: mg/Kg
 % Solids: 72.0

| Analyte | (SDR) C | Spike Added (SA) | %R | Control Limit %R | RPD | RPD Limit | Q | Method |
|----------|------------|---------------------|------|------------------------|-----|--------------|-----|--------|
| Arsenic | 46.5 | 12.0 | 148 | 75-125 | 54 | 20 | F | 6010C |
| Barium | 676 | 12.0 | 1340 | 75-125 | 30 | 20 | 4 F | 6010C |
| Cadmium | 8.50 | 5.99 | 112 | 75-125 | 13 | 20 | | 6010C |
| Chromium | 53.1 | 12.0 | 18 | 75-125 | 9 | 20 | 4 | 6010C |
| Lead | 597 | 5.99 | 1730 | 75-125 | 48 | 20 | 4 F | 6010C |
| Selenium | 12.6 | 12.0 | 105 | 75-125 | 10 | 20 | | 6010C |
| Silver | 2.36 | 5.99 | 37 | 75-125 | 58 | 20 | F | 6010C |
| Mercury | 0.318 | 0.120 | 92 | 80-120 | 7 | 20 | | 7471B |

SDR = Sample Duplicate Result

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

5B-IN
 POST DIGESTION SPIKE SAMPLE RECOVERY
 METALS

Client ID: _____ Lab ID: 680-89459-B-12-A PDS
 Lab Name: TestAmerica Savannah Job No.: 680-89516-3
 SDG No.: 68089516-3
 Matrix: Solid Concentration Units: mg/Kg

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

SSR = Spiked Sample Result

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

7A-IN
LAB CONTROL SAMPLE
METALS

Lab ID: LCS 680-273873/3-A

Lab Name: TestAmerica Savannah

Job No.: 680-89516-3

Sample Matrix: Solid

LCS Source: MS Cal Stk_00019

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

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

FORM VIIA - IN

7A-IN
LAB CONTROL SAMPLE
METALS

Lab ID: LCS 680-274321/2-A

Lab Name: TestAmerica Savannah

Job No.: 680-89516-3

Sample Matrix: Solid

LCS Source: Hg_Int_Cal_00091

| Analyte | Solid(mg/Kg) | | | | | | |
|---------|--------------|-------|---|-----|-------------|---|--------|
| | True | Found | C | %R | Limits | Q | Method |
| Mercury | 0.245 | 0.263 | | 107 | 80 120 | | 7471B |

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

FORM VIIA - IN

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

Lab ID: 680-89459-B-12-A SD ^5

SDG No: 68089516-3

Lab Name: TestAmerica Savannah

Job No: 680-89516-3

Matrix: Solid

Concentration Units: mg/Kg

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

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

FORM VIII-IN

9-IN
DETECTION LIMITS
METALS

Lab Name: TestAmerica Savannah

Job Number: 680-89516-3

SDG Number: 68089516-3

Matrix: Solid

Instrument ID: ICPE

Method: 6010C

MDL Date: 06/02/2009 00:00

Prep Method: 3050B

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

9-IN
CALIBRATION BLANK DETECTION LIMITS
METALS

Lab Name: TestAmerica Savannah

Job Number: 680-89516-3

SDG Number: 68089516-3

Matrix: Solid

Instrument ID: ICPE

Method: 6010C

XMDL Date: 06/02/2009 00:00

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

9-IN
DETECTION LIMITS
METALS

Lab Name: TestAmerica Savannah Job Number: 680-89516-3
SDG Number: 68089516-3
Matrix: Solid Instrument ID: LEEMAN2
Method: 7471B MDL Date: 06/02/2009 00:00
Prep Method: 7471B

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

9-IN
CALIBRATION BLANK DETECTION LIMITS
METALS

Lab Name: TestAmerica Savannah Job Number: 680-89516-3
SDG Number: 68089516-3
Matrix: Solid Instrument ID: LEEMAN2
Method: 7471B XMDL Date: 06/01/2008 15:53

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

10-IN
ICP-AES INTERELEMENT CORRECTION FACTORS
METALS

Lab Name: TestAmerica Savannah

Job Number: 680-89516-3

SDG No.: 68089516-3

ICP-AES Instrument ID: ICPE

Date: 03/05/2013

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

10-IN
ICP-AES INTERELEMENT CORRECTION FACTORS
METALS

Lab Name: TestAmerica Savannah Job Number: 680-89516-3

SDG No.: 68089516-3

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

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

12-IN
PREPARATION LOG
METALS

Lab Name: TestAmerica Savannah

Job No.: 680-89516-3

SDG No.: 68089516-3

Prep Method: 3050B

| Lab Sample ID | Preparation Date | Prep Batch | Initial Weight (g) | Initial Volume | Final Volume (mL) |
|--------------------|------------------|------------|--------------------|----------------|-------------------|
| MB 680-273873/1-A | 04/22/2013 09:31 | 273873 | 1.00 | | 100 |
| LCS 680-273873/3-A | 04/22/2013 09:31 | 273873 | 1.04 | | 100 |
| 680-89516-2 | 04/22/2013 09:31 | 273873 | 1.17 | | 100 |
| 680-89516-2 MS | 04/22/2013 09:31 | 273873 | 1.15 | | 100 |
| 680-89516-2 MSD | 04/22/2013 09:31 | 273873 | 1.16 | | 100 |
| 680-89516-19 | 04/22/2013 09:31 | 273873 | 1.17 | | 100 |
| 680-89516-28 | 04/22/2013 09:31 | 273873 | 1.03 | | 100 |
| 680-89516-30 | 04/22/2013 09:31 | 273873 | 1.10 | | 100 |
| 680-89516-31 | 04/22/2013 09:31 | 273873 | 1.04 | | 100 |
| 680-89516-32 | 04/22/2013 09:31 | 273873 | 1.01 | | 100 |

12-IN
PREPARATION LOG
METALS

Lab Name: TestAmerica Savannah

Job No.: 680-89516-3

SDG No.: 68089516-3

Prep Method: 7471B

| Lab Sample ID | Preparation Date | Prep Batch | Initial Weight (g) | Initial Volume | Final Volume (mL) |
|--------------------|------------------|------------|--------------------|----------------|-------------------|
| MB 680-274321/1-A | 04/24/2013 17:14 | 274321 | 0.50 | | 50 |
| LCS 680-274321/2-A | 04/24/2013 17:14 | 274321 | 0.51 | | 50 |
| 680-89516-2 | 04/24/2013 17:14 | 274321 | 0.58 | | 50 |
| 680-89516-2 MS | 04/24/2013 17:14 | 274321 | 0.52 | | 50 |
| 680-89516-2 MSD | 04/24/2013 17:14 | 274321 | 0.58 | | 50 |
| 680-89516-19 | 04/24/2013 17:14 | 274321 | 0.56 | | 50 |
| 680-89516-28 | 04/24/2013 17:14 | 274321 | 0.59 | | 50 |
| 680-89516-30 | 04/24/2013 17:14 | 274321 | 0.56 | | 50 |
| 680-89516-31 | 04/24/2013 17:14 | 274321 | 0.55 | | 50 |
| 680-89516-32 | 04/24/2013 17:14 | 274321 | 0.52 | | 50 |

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: TestAmerica Savannah Job No.: 680-89516-3

SDG No.: 68089516-3

Instrument ID: ICPE Method: 6010C

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

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

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: TestAmerica Savannah Job No.: 680-89516-3

SDG No.: 68089516-3

Instrument ID: ICPE Method: 6010C

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

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

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: TestAmerica Savannah Job No.: 680-89516-3

SDG No.: 68089516-3

Instrument ID: ICPE Method: 6010C

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

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

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: TestAmerica Savannah Job No.: 680-89516-3

SDG No.: 68089516-3

Instrument ID: ICPE Method: 6010C

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

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

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: TestAmerica Savannah Job No.: 680-89516-3

SDG No.: 68089516-3

Instrument ID: ICPE Method: 6010C

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

| Lab Sample ID | D / F | Type | Time | Analytes | | | | | | | | | | | | | | | | | | |
|--------------------|-------|------|-------|----------|-----|-----|-----|-----|-----|-----|--|--|--|--|--|--|--|--|--|--|--|--|
| | | | | A g | A s | B a | C d | C r | P b | S e | | | | | | | | | | | | |
| ZZZZZZ | | | 09:33 | | | | | | | | | | | | | | | | | | | |
| CCV 680-274404/169 | 1 | | 09:47 | X | X | X | X | X | X | X | | | | | | | | | | | | |
| CCB 680-274404/170 | 1 | | 09:53 | X | X | X | X | X | X | X | | | | | | | | | | | | |
| ZZZZZZ | | | 09:59 | | | | | | | | | | | | | | | | | | | |
| 680-89516-2 | 1 | T | 10:04 | X | X | X | X | X | X | X | | | | | | | | | | | | |
| 680-89516-2 MS | 1 | T | 10:10 | X | X | X | X | X | X | X | | | | | | | | | | | | |
| 680-89516-2 MSD | 1 | T | 10:15 | X | X | X | X | X | X | X | | | | | | | | | | | | |
| 680-89516-19 | 1 | T | 10:22 | X | X | X | X | X | X | X | | | | | | | | | | | | |
| 680-89516-28 | 1 | T | 10:27 | X | X | X | X | X | X | X | | | | | | | | | | | | |
| 680-89516-30 | 1 | T | 10:33 | X | X | X | X | X | X | X | | | | | | | | | | | | |
| 680-89516-31 | 1 | T | 10:38 | X | X | X | X | X | X | X | | | | | | | | | | | | |
| 680-89516-32 | 1 | T | 10:44 | X | X | X | X | X | X | X | | | | | | | | | | | | |
| ZZZZZZ | | | 10:50 | | | | | | | | | | | | | | | | | | | |
| CCV 680-274404/181 | 1 | | 10:55 | X | X | X | X | X | X | X | | | | | | | | | | | | |
| CCB 680-274404/182 | 1 | | 11:01 | X | X | X | X | X | X | X | | | | | | | | | | | | |
| ZZZZZZ | | | 11:07 | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | | | 11:12 | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | | | 11:18 | | | | | | | | | | | | | | | | | | | |
| CCV 680-274404/186 | | | 11:24 | | | | | | | | | | | | | | | | | | | |
| CCB 680-274404/187 | | | 11:29 | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | | | 11:35 | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | | | 11:46 | | | | | | | | | | | | | | | | | | | |
| CCV 680-274404/190 | | | 11:51 | | | | | | | | | | | | | | | | | | | |
| CCB 680-274404/191 | | | 11:57 | | | | | | | | | | | | | | | | | | | |

Prep Types

T = Total/NA

13-IN
 ANALYSIS RUN LOG
 METALS

Lab Name: TestAmerica Savannah Job No.: 680-89516-3

SDG No.: 68089516-3

Instrument ID: LEEMAN2 Method: 7471B

Start Date: 04/25/2013 18:45 End Date: 04/25/2013 21:29

| Lab Sample ID | D / F | T y p e | Time | Analytes | | | | | | | | | | | | | | | |
|---------------------|-------|---------|-------|----------|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|
| | | | | H g | | | | | | | | | | | | | | | |
| IC 680-274321/23-A | | | 18:45 | X | | | | | | | | | | | | | | | |
| IC 680-274321/24-A | | | 18:47 | X | | | | | | | | | | | | | | | |
| IC 680-274321/25-A | | | 18:50 | X | | | | | | | | | | | | | | | |
| IC 680-274321/26-A | | | 18:52 | X | | | | | | | | | | | | | | | |
| IC 680-274321/27-A | | | 18:55 | X | | | | | | | | | | | | | | | |
| IC 680-274321/28-A | | | 18:57 | X | | | | | | | | | | | | | | | |
| ICV 680-274321/33-A | 1 | | 19:00 | X | | | | | | | | | | | | | | | |
| ICB 680-274321/34-A | 1 | | 19:02 | X | | | | | | | | | | | | | | | |
| CRA 680-274321/35-A | 1 | | 19:05 | X | | | | | | | | | | | | | | | |
| CCV 680-274321/30-A | 1 | | 19:07 | X | | | | | | | | | | | | | | | |
| CCB 680-274321/31-A | 1 | | 19:10 | X | | | | | | | | | | | | | | | |
| MB 680-274321/1-A | 1 | T | 19:12 | X | | | | | | | | | | | | | | | |
| LCS 680-274321/2-A | 1 | T | 19:14 | X | | | | | | | | | | | | | | | |
| 680-89516-2 | 1 | T | 19:17 | X | | | | | | | | | | | | | | | |
| 680-89516-2 MS | 1 | T | 19:19 | X | | | | | | | | | | | | | | | |
| 680-89516-2 MSD | 1 | T | 19:22 | X | | | | | | | | | | | | | | | |
| 680-89516-19 | 1 | T | 19:24 | X | | | | | | | | | | | | | | | |
| 680-89516-28 | 1 | T | 19:27 | X | | | | | | | | | | | | | | | |
| 680-89516-30 | 1 | T | 19:29 | X | | | | | | | | | | | | | | | |
| 680-89516-31 | 1 | T | 19:32 | X | | | | | | | | | | | | | | | |
| 680-89516-32 | 1 | T | 19:34 | X | | | | | | | | | | | | | | | |
| CCV 680-274321/30-A | 1 | | 19:37 | X | | | | | | | | | | | | | | | |
| CCB 680-274321/31-A | 1 | | 19:39 | X | | | | | | | | | | | | | | | |
| ZZZZZZ | | | 19:41 | | | | | | | | | | | | | | | | |
| ZZZZZZ | | | 19:44 | | | | | | | | | | | | | | | | |
| ZZZZZZ | | | 19:46 | | | | | | | | | | | | | | | | |
| ZZZZZZ | | | 19:49 | | | | | | | | | | | | | | | | |
| ZZZZZZ | | | 19:51 | | | | | | | | | | | | | | | | |
| ZZZZZZ | | | 19:54 | | | | | | | | | | | | | | | | |
| ZZZZZZ | | | 19:56 | | | | | | | | | | | | | | | | |
| ZZZZZZ | | | 19:59 | | | | | | | | | | | | | | | | |
| ZZZZZZ | | | 20:01 | | | | | | | | | | | | | | | | |
| ZZZZZZ | | | 20:04 | | | | | | | | | | | | | | | | |
| CCV 680-274321/30-A | | | 20:06 | | | | | | | | | | | | | | | | |
| CCB 680-274321/31-A | | | 20:08 | | | | | | | | | | | | | | | | |
| ZZZZZZ | | | 20:11 | | | | | | | | | | | | | | | | |
| ZZZZZZ | | | 20:13 | | | | | | | | | | | | | | | | |
| ZZZZZZ | | | 20:16 | | | | | | | | | | | | | | | | |
| ZZZZZZ | | | 20:18 | | | | | | | | | | | | | | | | |
| ZZZZZZ | | | 20:21 | | | | | | | | | | | | | | | | |
| ZZZZZZ | | | 20:23 | | | | | | | | | | | | | | | | |
| ZZZZZZ | | | 20:26 | | | | | | | | | | | | | | | | |

13-IN
 ANALYSIS RUN LOG
 METALS

Lab Name: TestAmerica Savannah Job No.: 680-89516-3

SDG No.: 68089516-3

Instrument ID: LEEMAN2 Method: 7471B

Start Date: 04/25/2013 18:45 End Date: 04/25/2013 21:29

| Lab Sample ID | D / F | T y p e | Time | Analytes | | | | | | | | | | | | | | | |
|---------------------|-------|---------|-------|----------|---|--|--|--|--|--|--|--|--|--|--|--|--|--|--|
| | | | | H | g | | | | | | | | | | | | | | |
| ZZZZZZ | | | 20:28 | | | | | | | | | | | | | | | | |
| ZZZZZZ | | | 20:31 | | | | | | | | | | | | | | | | |
| ZZZZZZ | | | 20:33 | | | | | | | | | | | | | | | | |
| CCV 680-274321/30-A | | | 20:35 | | | | | | | | | | | | | | | | |
| CCB 680-274321/31-A | | | 20:38 | | | | | | | | | | | | | | | | |
| ZZZZZZ | | | 20:40 | | | | | | | | | | | | | | | | |
| ZZZZZZ | | | 20:43 | | | | | | | | | | | | | | | | |
| ZZZZZZ | | | 20:45 | | | | | | | | | | | | | | | | |
| ZZZZZZ | | | 20:48 | | | | | | | | | | | | | | | | |
| ZZZZZZ | | | 20:50 | | | | | | | | | | | | | | | | |
| ZZZZZZ | | | 20:53 | | | | | | | | | | | | | | | | |
| ZZZZZZ | | | 20:55 | | | | | | | | | | | | | | | | |
| ZZZZZZ | | | 20:58 | | | | | | | | | | | | | | | | |
| ZZZZZZ | | | 21:00 | | | | | | | | | | | | | | | | |
| ZZZZZZ | | | 21:02 | | | | | | | | | | | | | | | | |
| CCV 680-274321/30-A | | | 21:05 | | | | | | | | | | | | | | | | |
| CCB 680-274321/31-A | | | 21:07 | | | | | | | | | | | | | | | | |
| ZZZZZZ | | | 21:10 | | | | | | | | | | | | | | | | |
| ZZZZZZ | | | 21:12 | | | | | | | | | | | | | | | | |
| ZZZZZZ | | | 21:15 | | | | | | | | | | | | | | | | |
| ZZZZZZ | | | 21:17 | | | | | | | | | | | | | | | | |
| ZZZZZZ | | | 21:20 | | | | | | | | | | | | | | | | |
| ZZZZZZ | | | 21:22 | | | | | | | | | | | | | | | | |
| ZZZZZZ | | | 21:25 | | | | | | | | | | | | | | | | |
| CCV 680-274321/30-A | | | 21:27 | | | | | | | | | | | | | | | | |
| CCB 680-274321/31-A | | | 21:29 | | | | | | | | | | | | | | | | |

Prep Types
 T = Total/NA

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

| Blank (Blk) | 4/24/2013, 5:56:59 PM | | Rack S, Tube 1 |
|-------------|--------------------------|---------|----------------|
| Label | Replicates Concentration | | |
| Ag 328.068 | -0.2238 | 0.2782 | -0.0544 |
| Al 308.215 | -2.6286 | 6.2783 | -3.6497 |
| As 188.980 | 0.6748 | 3.3753 | -4.0501 |
| B 249.678 | 1.7936 | 0.5159 | -2.3095 |
| Ba 389.178 | 0.2136 | 0.3132 | -0.5268 |
| Be 313.042 | -0.0148 | 0.0010 | 0.0138 |
| Ca 370.602 | 1.898 | 1.608 | -3.506 |
| Cd 226.502 | 0.0804 | -0.1174 | 0.0370 |
| Co 228.615 | 0.0651 | 0.3406 | -0.4056 |
| Cr 267.716 | 0.1252 | -0.1148 | -0.0104 |
| Cu 324.754 | -0.0721 | -0.3127 | 0.3847 |
| Fe 271.441 | 3.3309 | -4.4952 | 1.1644 |
| K 766.491 | 1.2824 | -0.5752 | -0.7072 |
| Mg 279.078 | 0.8805 | 1.1605 | -2.0410 |
| Mn 257.610 | -0.0411 | 0.0121 | 0.0290 |
| Mo 202.032 | -0.0415 | -0.0016 | 0.0431 |
| Na 330.237 | -96.1066 | 73.0434 | 23.0633 |
| Ni 231.604 | 1.1041 | -1.3475 | 0.2435 |
| Pb 220.353 | -0.8994 | 0.7657 | 0.1337 |
| Sb 206.834 | 1.2035 | -0.9272 | -0.2763 |
| Se 196.026 | 2.0436 | -3.9417 | 1.8980 |
| Sn 189.925 | -0.0992 | -0.7685 | 0.8677 |
| Sr 216.596 | -0.1417 | -0.3060 | 0.4477 |
| Ti 334.941 | -0.0626 | 0.0098 | 0.0529 |
| Tl 190.794 | 0.9194 | -0.9893 | 0.0699 |
| V 292.401 | -0.0263 | 0.0134 | 0.0128 |
| Zn 206.200 | -0.2691 | -1.7250 | 1.9942 |

| Label | Sol'n Conc. | Units | SD(Int) | %RSD(Int) | Int. (c/s) |
|------------|-------------|-------|---------|-----------|------------|
| Ag 328.068 | 0.0000 | ppb | 16.712 | 57.6 | -29.0181 |
| Al 308.215 | 0.0000 | ppb | 10.578 | 32.3 | -32.7511 |
| As 188.980 | 0.0000 | ppb | 1.562 | 14.9 | -10.4881 |
| B 249.678 | 0.0000 | ppb | 22.503 | 4.7 | 479.836 |
| Ba 389.178 | 0.0000 | ppb | 8.369 | 26.3 | -31.7713 |
| Be 313.042 | 0.0000 | ppb | 22.110 | 7.0 | -317.631 |
| Ca 370.602 | 0.0000 | ppb | 7.190 | 249.9 | -2.877 |
| Cd 226.502 | 0.0000 | ppb | 3.163 | 9.1 | 34.8509 |
| Co 228.615 | 0.0000 | ppb | 3.258 | 44.1 | -7.3854 |
| Cr 267.716 | 0.0000 | ppb | 3.316 | 11.8 | -27.9963 |
| Cu 324.754 | 0.0000 | ppb | 16.508 | 11.4 | 144.637 |
| Fe 271.441 | 0.0000 | ppb | 5.864 | 20.9 | 28.0721 |
| K 766.491 | 0.0000 | ppb | 30.254 | 15.7 | 192.368 |
| Mg 279.078 | 0.0000 | ppb | 3.214 | 9.7 | 33.1149 |
| Mn 257.610 | 0.0000 | ppb | 7.558 | 15.1 | 50.0085 |
| Mo 202.032 | 0.0000 | ppb | 0.264 | 1.3 | 20.7051 |
| Na 330.237 | 0.0000 | ppb | 3.406 | 5.8 | 58.4328 |
| Ni 231.604 | 0.0000 | ppb | 2.867 | 38.2 | -7.5031 |
| Pb 220.353 | 0.0000 | ppb | 1.086 | 3.3 | 33.3702 |
| Sb 206.834 | 0.0000 | ppb | 0.986 | 157.6 | -0.6258 |
| Se 196.026 | 0.0000 | ppb | 1.477 | 15.7 | 9.4044 |
| Sn 189.925 | 0.0000 | ppb | 0.523 | 6.4 | -8.1239 |
| Sr 216.596 | 0.0000 | ppb | 3.372 | 15.5 | 21.7858 |
| Ti 334.941 | 0.0000 | ppb | 12.708 | 45.8 | -27.7168 |
| Tl 190.794 | 0.0000 | ppb | 0.788 | 7.6 | -10.3800 |
| V 292.401 | 0.0000 | ppb | 0.524 | 7.7 | -6.7848 |
| Zn 206.200 | 0.0000 | ppb | 1.753 | 64.9 | 2.7007 |

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

| HIGH STD (Std) | 4/24/2013, 6:00:44 PM | | Rack S, Tube 2 |
|----------------|--------------------------|---------|----------------|
| Label | Replicates Concentration | | |
| Ag 328.068 | 1005.60 | 1001.00 | 993.398 |
| Al 308.215 | 10005.7 | 9911.50 | 10082.8 |
| As 188.980 | 1000.59 | 995.095 | 1004.32 |
| B 249.678 | 994.606 | 1000.35 | 1005.04 |
| Ba 389.178 | 10020.7 | 9972.45 | 10006.9 |
| Be 313.042 | 1004.08 | 991.723 | 1004.19 |
| Ca 370.602 | 10008 | 9954 | 10037 |
| Cd 226.502 | 1000.88 | 997.599 | 1001.52 |
| Co 228.615 | 1003.79 | 998.616 | 997.598 |
| Cr 267.716 | 10015.1 | 9922.73 | 10062.2 |
| Cu 324.754 | 10075.1 | 9846.17 | 10078.7 |
| Fe 271.441 | 10021.5 | 9961.66 | 10016.9 |
| K 766.491 | 20086.9 | 19912.9 | 20000.2 |
| Mg 279.078 | 10006.1 | 9976.84 | 10017.0 |
| Mn 257.610 | 10027.7 | 9966.19 | 10006.1 |
| Mo 202.032 | 999.344 | 996.116 | 1004.54 |
| Na 330.237 | 15357.5 | 14802.1 | 14840.3 |
| Ni 231.604 | 5007.11 | 4984.51 | 5008.38 |
| Pb 220.353 | 999.485 | 995.716 | 1004.80 |
| Sb 206.834 | 1992.65 | 1997.34 | 2010.01 |
| Se 196.026 | 9991.10 | 9957.97 | 10050.9 |
| Sn 189.925 | 10073.2 | 9962.57 | 9964.24 |
| Sr 216.596 | 5003.10 | 4980.11 | 5016.79 |
| Ti 334.941 | 1002.71 | 994.052 | 1003.24 |
| Tl 190.794 | 10011.6 | 9981.16 | 10007.2 |
| V 292.401 | 10029.2 | 9975.01 | 9995.78 |
| Zn 206.200 | 5009.61 | 4997.43 | 4992.96 |

| Label | Sol'n Conc. | Units | SD(Int) | %RSD(Int) | Int. (c/s) |
|------------|-------------|-------|-----------|-----------|------------|
| Ag 328.068 | 1000.00 | ppb | 403.255 | 0.6 | 65401.4 |
| Al 308.215 | 10000.0 | ppb | 166.168 | 0.9 | 19337.7 |
| As 188.980 | 1000.00 | ppb | 1.928 | 0.5 | 405.231 |
| B 249.678 | 1000.00 | ppb | 56.022 | 0.5 | 11197.4 |
| Ba 389.178 | 10000.0 | ppb | 453.056 | 0.2 | 182328 |
| Be 313.042 | 1000.00 | ppb | 11065.236 | 0.7 | 1543279 |
| Ca 370.602 | 10000 | ppb | 99.837 | 0.4 | 23649 |
| Cd 226.502 | 1000.00 | ppb | 63.965 | 0.2 | 30448.5 |
| Co 228.615 | 1000.00 | ppb | 28.654 | 0.3 | 8628.11 |
| Cr 267.716 | 10000.0 | ppb | 1955.135 | 0.7 | 275562 |
| Cu 324.754 | 10000.0 | ppb | 6209.060 | 1.3 | 466175 |
| Fe 271.441 | 10000.0 | ppb | 48.306 | 0.3 | 14540.9 |
| K 766.491 | 20000.0 | ppb | 2366.159 | 0.4 | 544073 |
| Mg 279.078 | 10000.0 | ppb | 37.657 | 0.2 | 18157.8 |
| Mn 257.610 | 10000.0 | ppb | 6448.022 | 0.3 | 2066284 |
| Mo 202.032 | 1000.00 | ppb | 26.502 | 0.4 | 6256.13 |
| Na 330.237 | 15000.0 | ppb | 12.159 | 1.9 | 646.362 |
| Ni 231.604 | 5000.00 | ppb | 30.965 | 0.3 | 11518.8 |
| Pb 220.353 | 1000.00 | ppb | 5.898 | 0.4 | 1325.91 |
| Sb 206.834 | 2000.00 | ppb | 8.110 | 0.4 | 1806.18 |
| Se 196.026 | 10000.0 | ppb | 20.377 | 0.5 | 4334.76 |
| Sn 189.925 | 10000.0 | ppb | 40.292 | 0.6 | 6348.71 |
| Sr 216.596 | 5000.00 | ppb | 157.698 | 0.4 | 42560.1 |
| Ti 334.941 | 1000.00 | ppb | 1122.891 | 0.5 | 217697 |
| Tl 190.794 | 10000.0 | ppb | 13.569 | 0.2 | 8233.26 |
| V 292.401 | 10000.0 | ppb | 630.219 | 0.3 | 230463 |
| Zn 206.200 | 5000.00 | ppb | 8.056 | 0.2 | 4679.22 |

Ag 328.068 Calibration (ppb) 4/24/2013, 6:00:44 PM Correlation Coefficient: 1.000000

| Label | Flags | Int. (c/s) | Std Conc. | Calc Conc. | Error | %Error |
|----------|-------|------------|-----------|------------|--------|--------|
| Blank | | -29.0181 | 0.0000 | 0.0000 | - | - |
| HIGH STD | | 65401.4 | 1000.00 | 1000.00 | 0.0000 | 0.0 |

Curve Type: Linear Equation: $y = 65.4 x + -29.0$

Al 308.215 Calibration (ppb) 4/24/2013, 6:00:44 PM Correlation Coefficient: 1.000000

| Label | Flags | Int. (c/s) | Std Conc. | Calc Conc. | Error | %Error |
|----------|-------|------------|-----------|------------|---------|--------|
| Blank | | -32.7511 | 0.0000 | 0.0000 | - | - |
| HIGH STD | | 19337.7 | 10000.0 | 10000.00 | -0.0010 | 0.0 |

Curve Type: Linear Equation: $y = 1.9 x + -32.8$

As 188.980 Calibration (ppb) 4/24/2013, 6:00:44 PM Correlation Coefficient: 1.000000

| Label | Flags | Int. (c/s) | Std Conc. | Calc Conc. | Error | %Error |
|----------|-------|------------|-----------|------------|--------|--------|
| Blank | | -10.4881 | 0.0000 | 0.0000 | - | - |
| HIGH STD | | 405.231 | 1000.00 | 1000.00 | 0.0000 | 0.0 |

Curve Type: Linear Equation: $y = 0.4 x + -10.5$

B 249.678 Calibration (ppb) 4/24/2013, 6:00:44 PM Correlation Coefficient: 1.000000

| Label | Flags | Int. (c/s) | Std Conc. | Calc Conc. | Error | %Error |
|----------|-------|------------|-----------|------------|---------|--------|
| Blank | | 479.836 | 0.0000 | 0.0000 | - | - |
| HIGH STD | | 11197.4 | 1000.00 | 1000.000 | -0.0001 | 0.0 |

Curve Type: Linear Equation: $y = 10.7 x + 479.8$

Ba 389.178 Calibration (ppb) 4/24/2013, 6:00:44 PM Correlation Coefficient: 1.000000

| Label | Flags | Int. (c/s) | Std Conc. | Calc Conc. | Error | %Error |
|----------|-------|------------|-----------|------------|--------|--------|
| Blank | | -31.7713 | 0.0000 | 0.0000 | - | - |
| HIGH STD | | 182328 | 10000.0 | 10000.0 | 0.0000 | 0.0 |

Curve Type: Linear Equation: $y = 18.2 x + -31.8$

Be 313.042 Calibration (ppb) 4/24/2013, 6:00:44 PM Correlation Coefficient: 1.000000

| Label | Flags | Int. (c/s) | Std Conc. | Calc Conc. | Error | %Error |
|----------|-------|------------|-----------|------------|--------|--------|
| Blank | | -317.631 | 0.0000 | 0.0000 | - | - |
| HIGH STD | | 1543279 | 1000.00 | 1000.00 | 0.0000 | 0.0 |

Curve Type: Linear Equation: $y = 1543.6 x + -317.6$

Ca 370.602 Calibration (ppb) 4/24/2013, 6:00:44 PM Correlation Coefficient: 1.000000

| Label | Flags | Int. (c/s) | Std Conc. | Calc Conc. | Error | %Error |
|----------|-------|------------|-----------|------------|--------|--------|
| Blank | | -2.877 | 0.0000 | 0.0000 | - | - |
| HIGH STD | | 23649 | 10000 | 10000 | 0.0010 | 0.0 |

Curve Type: Linear Equation: $y = 2.4 x + -2.9$

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Cd 226.502 Calibration (ppb) 4/24/2013, 6:00:44 PM Correlation Coefficient: 1.000000

| Label | Flags | Int. (c/s) | Std Conc. | Calc Conc. | Error | %Error |
|----------|-------|------------|-----------|------------|--------|--------|
| Blank | | 34.8509 | 0.0000 | 0.0000 | - | - |
| HIGH STD | | 30448.5 | 1000.00 | 1000.00 | 0.0000 | 0.0 |

Curve Type: Linear Equation: $y = 30.4 x + 34.9$ **Co 228.615 Calibration (ppb) 4/24/2013, 6:00:44 PM Correlation Coefficient: 1.000000**

| Label | Flags | Int. (c/s) | Std Conc. | Calc Conc. | Error | %Error |
|----------|-------|------------|-----------|------------|---------|--------|
| Blank | | -7.3854 | 0.0000 | 0.0000 | - | - |
| HIGH STD | | 8628.11 | 1000.00 | 1000.000 | -0.0001 | 0.0 |

Curve Type: Linear Equation: $y = 8.6 x + -7.4$ **Cr 267.716 Calibration (ppb) 4/24/2013, 6:00:44 PM Correlation Coefficient: 1.000000**

| Label | Flags | Int. (c/s) | Std Conc. | Calc Conc. | Error | %Error |
|----------|-------|------------|-----------|------------|--------|--------|
| Blank | | -27.9963 | 0.0000 | 0.0000 | - | - |
| HIGH STD | | 275562 | 10000.0 | 10000.0 | 0.0010 | 0.0 |

Curve Type: Linear Equation: $y = 27.6 x + -28.0$ **Cu 324.754 Calibration (ppb) 4/24/2013, 6:00:44 PM Correlation Coefficient: 1.000000**

| Label | Flags | Int. (c/s) | Std Conc. | Calc Conc. | Error | %Error |
|----------|-------|------------|-----------|------------|---------|--------|
| Blank | | 144.637 | 0.0000 | 0.0000 | - | - |
| HIGH STD | | 466175 | 10000.0 | 10000.00 | -0.0010 | 0.0 |

Curve Type: Linear Equation: $y = 46.6 x + 144.6$ **Fe 271.441 Calibration (ppb) 4/24/2013, 6:00:44 PM Correlation Coefficient: 1.000000**

| Label | Flags | Int. (c/s) | Std Conc. | Calc Conc. | Error | %Error |
|----------|-------|------------|-----------|------------|--------|--------|
| Blank | | 28.0721 | 0.0000 | 0.0000 | - | - |
| HIGH STD | | 14540.9 | 10000.0 | 10000.0 | 0.0010 | 0.0 |

Curve Type: Linear Equation: $y = 1.5 x + 28.1$ **K 766.491 Calibration (ppb) 4/24/2013, 6:00:44 PM Correlation Coefficient: 1.000000**

| Label | Flags | Int. (c/s) | Std Conc. | Calc Conc. | Error | %Error |
|----------|-------|------------|-----------|------------|--------|--------|
| Blank | | 192.368 | 0.0000 | 0.0000 | - | - |
| HIGH STD | | 544073 | 20000.0 | 20000.0 | 0.0020 | 0.0 |

Curve Type: Linear Equation: $y = 27.2 x + 192.4$ **Mg 279.078 Calibration (ppb) 4/24/2013, 6:00:44 PM Correlation Coefficient: 1.000000**

| Label | Flags | Int. (c/s) | Std Conc. | Calc Conc. | Error | %Error |
|----------|-------|------------|-----------|------------|--------|--------|
| Blank | | 33.1149 | 0.0000 | 0.0000 | - | - |
| HIGH STD | | 18157.8 | 10000.0 | 10000.0 | 0.0000 | 0.0 |

Curve Type: Linear Equation: $y = 1.8 x + 33.1$

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Mn 257.610 Calibration (ppb) 4/24/2013, 6:00:44 PM Correlation Coefficient: 1.000000

| Label | Flags | Int. (c/s) | Std Conc. | Calc Conc. | Error | %Error |
|----------|-------|------------|-----------|------------|--------|--------|
| Blank | | 50.0085 | 0.0000 | 0.0000 | - | - |
| HIGH STD | | 2066284 | 10000.0 | 10000.0 | 0.0010 | 0.0 |

Curve Type: Linear Equation: $y = 206.6 x + 50.0$ **Mo 202.032 Calibration (ppb) 4/24/2013, 6:00:44 PM Correlation Coefficient: 1.000000**

| Label | Flags | Int. (c/s) | Std Conc. | Calc Conc. | Error | %Error |
|----------|-------|------------|-----------|------------|--------|--------|
| Blank | | 20.7051 | 0.0000 | 0.0000 | - | - |
| HIGH STD | | 6256.13 | 1000.00 | 1000.00 | 0.0001 | 0.0 |

Curve Type: Linear Equation: $y = 6.2 x + 20.7$ **Na 330.237 Calibration (ppb) 4/24/2013, 6:00:44 PM Correlation Coefficient: 1.000000**

| Label | Flags | Int. (c/s) | Std Conc. | Calc Conc. | Error | %Error |
|----------|-------|------------|-----------|------------|---------|--------|
| Blank | | 58.4328 | 0.0000 | 0.0000 | - | - |
| HIGH STD | | 646.362 | 15000.0 | 15000.0 | -0.0029 | 0.0 |

Curve Type: Linear Equation: $y = 0.0 x + 58.4$ **Ni 231.604 Calibration (ppb) 4/24/2013, 6:00:44 PM Correlation Coefficient: 1.000000**

| Label | Flags | Int. (c/s) | Std Conc. | Calc Conc. | Error | %Error |
|----------|-------|------------|-----------|------------|---------|--------|
| Blank | | -7.5031 | 0.0000 | 0.0000 | - | - |
| HIGH STD | | 11518.8 | 5000.00 | 5000.00 | -0.0005 | 0.0 |

Curve Type: Linear Equation: $y = 2.3 x + -7.5$ **Pb 220.353 Calibration (ppb) 4/24/2013, 6:00:44 PM Correlation Coefficient: 1.000000**

| Label | Flags | Int. (c/s) | Std Conc. | Calc Conc. | Error | %Error |
|----------|-------|------------|-----------|------------|--------|--------|
| Blank | | 33.3702 | 0.0000 | 0.0000 | - | - |
| HIGH STD | | 1325.91 | 1000.00 | 1000.00 | 0.0000 | 0.0 |

Curve Type: Linear Equation: $y = 1.3 x + 33.4$ **Sb 206.834 Calibration (ppb) 4/24/2013, 6:00:44 PM Correlation Coefficient: 1.000000**

| Label | Flags | Int. (c/s) | Std Conc. | Calc Conc. | Error | %Error |
|----------|-------|------------|-----------|------------|--------|--------|
| Blank | | -0.6258 | 0.0000 | 0.0000 | - | - |
| HIGH STD | | 1806.18 | 2000.00 | 2000.00 | 0.0000 | 0.0 |

Curve Type: Linear Equation: $y = 0.9 x + -0.6$ **Se 196.026 Calibration (ppb) 4/24/2013, 6:00:44 PM Correlation Coefficient: 1.000000**

| Label | Flags | Int. (c/s) | Std Conc. | Calc Conc. | Error | %Error |
|----------|-------|------------|-----------|------------|--------|--------|
| Blank | | 9.4044 | 0.0000 | 0.0000 | - | - |
| HIGH STD | | 4334.76 | 10000.0 | 10000.0 | 0.0000 | 0.0 |

Curve Type: Linear Equation: $y = 0.4 x + 9.4$

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Sn 189.925 Calibration (ppb) 4/24/2013, 6:00:44 PM **Correlation Coefficient: 1.000000**

| Label | Flags | Int. (c/s) | Std Conc. | Calc Conc. | Error | %Error |
|----------|-------|------------|-----------|------------|---------|--------|
| Blank | | -8.1239 | 0.0000 | 0.0000 | - | - |
| HIGH STD | | 6348.71 | 10000.0 | 10000.00 | -0.0010 | 0.0 |

Curve Type: Linear Equation: $y = 0.6 x + -8.1$ **Sr 216.596 Calibration (ppb)** 4/24/2013, 6:00:44 PM **Correlation Coefficient: 1.000000**

| Label | Flags | Int. (c/s) | Std Conc. | Calc Conc. | Error | %Error |
|----------|-------|------------|-----------|------------|--------|--------|
| Blank | | 21.7858 | 0.0000 | 0.0000 | - | - |
| HIGH STD | | 42560.1 | 5000.00 | 5000.00 | 0.0000 | 0.0 |

Curve Type: Linear Equation: $y = 8.5 x + 21.8$ **Ti 334.941 Calibration (ppb)** 4/24/2013, 6:00:44 PM **Correlation Coefficient: 1.000000**

| Label | Flags | Int. (c/s) | Std Conc. | Calc Conc. | Error | %Error |
|----------|-------|------------|-----------|------------|---------|--------|
| Blank | | -27.7168 | 0.0000 | 0.0000 | - | - |
| HIGH STD | | 217697 | 1000.00 | 1000.000 | -0.0001 | 0.0 |

Curve Type: Linear Equation: $y = 217.7 x + -27.7$ **Tl 190.794 Calibration (ppb)** 4/24/2013, 6:00:44 PM **Correlation Coefficient: 1.000000**

| Label | Flags | Int. (c/s) | Std Conc. | Calc Conc. | Error | %Error |
|----------|-------|------------|-----------|------------|--------|--------|
| Blank | | -10.3800 | 0.0000 | 0.0000 | - | - |
| HIGH STD | | 8233.26 | 10000.0 | 10000.0 | 0.0010 | 0.0 |

Curve Type: Linear Equation: $y = 0.8 x + -10.4$ **V 292.401 Calibration (ppb)** 4/24/2013, 6:00:44 PM **Correlation Coefficient: 1.000000**

| Label | Flags | Int. (c/s) | Std Conc. | Calc Conc. | Error | %Error |
|----------|-------|------------|-----------|------------|---------|--------|
| Blank | | -6.7848 | 0.0000 | 0.0000 | - | - |
| HIGH STD | | 230463 | 10000.0 | 10000.00 | -0.0010 | 0.0 |

Curve Type: Linear Equation: $y = 23.0 x + -6.8$ **Zn 206.200 Calibration (ppb)** 4/24/2013, 6:00:44 PM **Correlation Coefficient: 1.000000**

| Label | Flags | Int. (c/s) | Std Conc. | Calc Conc. | Error | %Error |
|----------|-------|------------|-----------|------------|--------|--------|
| Blank | | 2.7007 | 0.0000 | 0.0000 | - | - |
| HIGH STD | | 4679.22 | 5000.00 | 5000.00 | 0.0005 | 0.0 |

Curve Type: Linear Equation: $y = 0.9 x + 2.7$ **Lab Control Sample (LCS)** 4/24/2013, 6:04:08 PM **Rack S, Tube 2****Weight: 1** **Volume: 1** **Dilution: 1**

| Label | Replicates | Concentration |
|------------|------------|------------------|
| Ag 328.068 | 1005.40x | 987.529 1009.30x |
| Al 308.215 | 9971.27 | 9905.17 10164.1 |
| As 188.980 | 1010.07 | 1017.26 1007.23 |
| B 249.678 | 1008.58 | 1003.20 1032.28 |
| Ba 389.178 | 9892.94 | 9797.16 10069.9x |

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| Label | Replicates Concentration | | |
|------------|--------------------------|---------|----------|
| Be 313.042 | 990.097 | 980.702 | 1006.59x |
| Ca 370.602 | 9884 | 9807 | 10083 |
| Cd 226.502 | 992.765 | 982.810 | 1007.56x |
| Co 228.615 | 989.590 | 980.164 | 1005.09 |
| Cr 267.716 | 9959.69 | 9902.53 | 10140.0x |
| Cu 324.754 | 9926.82 | 9976.50 | 10134.7 |
| Fe 271.441 | 9898.66 | 9789.54 | 10045.5 |
| K 766.491 | 19758.3 | 19562.8 | 19999.8 |
| Mg 279.078 | 9929.92 | 9831.46 | 10102.3 |
| Mn 257.610 | 9908.57 | 9815.52 | 10074.3 |
| Mo 202.032 | 992.834 | 988.024 | 1011.07x |
| Na 330.237 | 14484.6 | 14407.0 | 14748.7 |
| Ni 231.604 | 4953.04 | 4922.16 | 5034.19 |
| Pb 220.353 | 987.989 | 989.196 | 1008.68 |
| Sb 206.834 | 1962.79 | 1942.69 | 2004.84 |
| Se 196.026 | 9899.76 | 9832.24 | 10065.5x |
| Sn 189.925 | 10107.5x | 9924.62 | 10079.8x |
| Sr 216.596 | 4965.09 | 4929.63 | 5045.80x |
| Ti 334.941 | 992.542 | 984.606 | 1011.41 |
| Tl 190.794 | 9944.00 | 9816.77 | 10057.0x |
| V 292.401 | 9917.26 | 9805.29 | 10078.1x |
| Zn 206.200 | 4929.94 | 4891.15 | 5018.15 |

| Label | Sol'n Conc. | Units | SD | %RSD | Int. (c/s) | QC Value |
|------------|-------------|-------|---------|------|------------|-----------|
| Ag 328.068 | 1000.74xb | ppb | 11.6093 | 1.2 | 65346.0 | 100.07430 |
| Al 308.215 | 10013.5b | ppb | 134.537 | 1.3 | 19348.6 | 100.13515 |
| As 188.980 | 1011.52b | ppb | 5.1694 | 0.5 | 409.908 | 101.15193 |
| B 249.678 | 1014.68b | ppb | 15.4752 | 1.5 | 11344.1 | 20.29369* |
| Ba 389.178 | 9919.99xb | ppb | 138.348 | 1.4 | 180921 | 99.19991 |
| Be 313.042 | 992.461xb | ppb | 13.1028 | 1.3 | 1531220 | 99.24614 |
| Ca 370.602 | 9925b | ppb | 142.6 | 1.4 | 23278 | 99.24685 |
| Cd 226.502 | 994.379xb | ppb | 12.4548 | 1.3 | 30309.0 | 99.43787 |
| Co 228.615 | 991.616b | ppb | 12.5878 | 1.3 | 8568.73 | 99.16161 |
| Cr 267.716 | 10000.7xb | ppb | 123.955 | 1.2 | 275550 | 100.00746 |
| Cu 324.754 | 10012.7b | ppb | 108.539 | 1.1 | 466701 | 100.12662 |
| Fe 271.441 | 9911.22b | ppb | 128.424 | 1.3 | 14621.2 | 99.11221 |
| K 766.491 | 19773.6b | ppb | 218.879 | 1.1 | 537917 | 98.86816 |
| Mg 279.078 | 9954.56b | ppb | 137.085 | 1.4 | 17937.6 | 99.54559 |
| Mn 257.610 | 9932.79b | ppb | 131.063 | 1.3 | 2052474 | 99.32790 |
| Mo 202.032 | 997.310xb | ppb | 12.1584 | 1.2 | 6222.83 | 99.73101 |
| Na 330.237 | 14546.8b | ppb | 179.139 | 1.2 | 592.323 | 96.97843 |
| Ni 231.604 | 4969.80b | ppb | 57.8674 | 1.2 | 11449.4 | 99.39592 |
| Pb 220.353 | 995.288b | ppb | 11.6124 | 1.2 | 1319.64 | 99.52878 |
| Sb 206.834 | 1970.10b | ppb | 31.7141 | 1.6 | 1864.00 | 39.40205* |
| Se 196.026 | 9932.51xb | ppb | 120.046 | 1.2 | 4307.77 | 99.32512 |
| Sn 189.925 | 10037.3xb | ppb | 98.5714 | 1.0 | 6372.43 | 100.37309 |
| Sr 216.596 | 4980.17xb | ppb | 59.5386 | 1.2 | 42300.5 | 99.60348 |
| Ti 334.941 | 996.185b | ppb | 13.7657 | 1.4 | 216902 | 99.61845 |
| Tl 190.794 | 9939.26xb | ppb | 120.184 | 1.2 | 8174.93 | 99.39256 |
| V 292.401 | 9933.54xb | ppb | 137.115 | 1.4 | 228268 | 99.33537 |
| Zn 206.200 | 4946.42b | ppb | 65.0804 | 1.3 | 4610.89 | 98.92831 |

Initial Calib Verif (ICV)

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

Rack S, Tube 3

Weight: 1

Volume: 1

Dilution: 1

| Label | Replicates Concentration | | |
|------------|--------------------------|----------|---------|
| Ag 328.068 | 1014.41x | 1007.72x | 996.539 |
| Al 308.215 | 1009.90 | 1008.10 | 998.175 |

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| Label | Replicates Concentration | | |
|------------|--------------------------|----------|----------|
| As 188.980 | 1016.80 | 1009.10 | 1015.14 |
| B 249.678 | 1018.01 | 1018.25 | 1008.22 |
| Ba 389.178 | 1065.18 | 1063.21 | 1054.39 |
| Be 313.042 | 1074.79x | 1070.08x | 1059.89x |
| Ca 370.602 | 1055 | 1047 | 1043 |
| Cd 226.502 | 1069.00x | 1064.85x | 1054.39x |
| Co 228.615 | 1031.73 | 1026.75 | 1006.91 |
| Cr 267.716 | 1063.82 | 1058.94 | 1049.06 |
| Cu 324.754 | 1061.93 | 1052.72 | 1040.58 |
| Fe 271.441 | 995.571 | 991.649 | 989.013 |
| K 766.491 | 10289.6 | 10264.1 | 10190.0 |
| Mg 279.078 | 1038.48 | 1036.97 | 1026.22 |
| Mn 257.610 | 1092.64 | 1088.70 | 1077.44 |
| Mo 202.032 | 1031.54x | 1028.62x | 1020.73x |
| Na 330.237 | 10323.6 | 10498.2 | 10055.4 |
| Ni 231.604 | 1070.15 | 1064.35 | 1055.38 |
| Pb 220.353 | 1032.92 | 1027.66 | 1019.01 |
| Sb 206.834 | 980.647 | 982.821 | 978.502 |
| Se 196.026 | 1007.10 | 1006.95 | 993.245 |
| Sn 189.925 | 5122.18 | 5091.74 | 5056.16 |
| Sr 216.596 | 5216.81x | 5194.58x | 5142.67x |
| Ti 334.941 | 1014.33 | 1012.00 | 1003.23 |
| Tl 190.794 | 1049.43 | 1043.61 | 1032.42 |
| V 292.401 | 1028.79 | 1023.84 | 1016.11 |
| Zn 206.200 | 1036.58 | 1033.37 | 1023.31 |

| Label | Sol'n Conc. | Units | SD | %RSD | Int. (c/s) | QC Value |
|------------|-------------|-------|---------|------|------------|------------|
| Ag 328.068 | 1006.22xb | ppb | 9.0272 | 0.9 | 65616.3 | 100.62213 |
| Al 308.215 | 1005.39b | ppb | 6.3154 | 0.6 | 1954.28 | 100.53930 |
| As 188.980 | 1013.68b | ppb | 4.0498 | 0.4 | 410.743 | 101.36817 |
| B 249.678 | 1014.83b | ppb | 5.7208 | 0.6 | 11355.2 | 101.48267 |
| Ba 389.178 | 1060.93b | ppb | 5.7484 | 0.5 | 19324.4 | 106.09251Q |
| Be 313.042 | 1068.25xb | ppb | 7.6152 | 0.7 | 1648476 | 106.82549Q |
| Ca 370.602 | 1048b | ppb | 5.746 | 0.5 | 2579 | 104.82362 |
| Cd 226.502 | 1062.74xb | ppb | 7.5302 | 0.7 | 32360.1 | 106.27445Q |
| Co 228.615 | 1021.80b | ppb | 13.1270 | 1.3 | 8810.10 | 102.17967 |
| Cr 267.716 | 1057.27b | ppb | 7.5179 | 0.7 | 29102.0 | 105.72746Q |
| Cu 324.754 | 1051.75b | ppb | 10.7082 | 1.0 | 49176.3 | 105.17479 |
| Fe 271.441 | 992.078b | ppb | 3.3000 | 0.3 | 1611.57 | 99.20778 |
| K 766.491 | 10247.9b | ppb | 51.7287 | 0.5 | 278874 | 102.47887 |
| Mg 279.078 | 1033.89b | ppb | 6.6864 | 0.6 | 1891.97 | 103.38937 |
| Mn 257.610 | 1086.26b | ppb | 7.8895 | 0.7 | 224505 | 108.62600Q |
| Mo 202.032 | 1026.96xb | ppb | 5.5915 | 0.5 | 6422.57 | 102.69641 |
| Na 330.237 | 10292.4b | ppb | 223.055 | 2.2 | 449.755 | 102.92405 |
| Ni 231.604 | 1063.29b | ppb | 7.4433 | 0.7 | 2443.69 | 106.32926Q |
| Pb 220.353 | 1026.53b | ppb | 7.0241 | 0.7 | 1358.62 | 102.65318 |
| Sb 206.834 | 980.656b | ppb | 2.1592 | 0.2 | 890.513 | 98.06565 |
| Se 196.026 | 1002.43b | ppb | 7.9557 | 0.8 | 443.232 | 100.24310 |
| Sn 189.925 | 5090.03b | ppb | 33.0416 | 0.6 | 3227.52 | 101.80053 |
| Sr 216.596 | 5184.69xb | ppb | 38.0448 | 0.7 | 44088.3 | 103.69375 |
| Ti 334.941 | 1009.85b | ppb | 5.8500 | 0.6 | 219845 | 100.98512 |
| Tl 190.794 | 1041.82b | ppb | 8.6494 | 0.8 | 847.602 | 104.18204 |
| V 292.401 | 1022.92b | ppb | 6.3904 | 0.6 | 23359.4 | 102.29152 |
| Zn 206.200 | 1031.09b | ppb | 6.9234 | 0.7 | 965.164 | 103.10867 |

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Initial Calib Verif (ICV) 4/24/2013, 6:19:43 PM **Rack S, Tube 3****Weight: 1** **Volume: 1** **Dilution: 1**

| Label | Replicates Concentration | | |
|------------|--------------------------|----------|----------|
| Ag 328.068 | 971.583 | 979.124 | 982.265 |
| Al 308.215 | 980.677 | 961.234 | 964.688 |
| As 188.980 | 973.216 | 977.588 | 969.026 |
| B 249.678 | 962.704 | 968.788 | 973.065 |
| Ba 389.178 | 1026.49 | 1028.91 | 1029.30 |
| Be 313.042 | 1035.72x | 1038.50x | 1040.29x |
| Ca 370.602 | 1011 | 1017 | 1018 |
| Cd 226.502 | 1033.42x | 1038.52x | 1038.47x |
| Co 228.615 | 997.912 | 999.548 | 1002.30 |
| Cr 267.716 | 1020.44 | 1021.89 | 1020.62 |
| Cu 324.754 | 1014.79 | 1018.11 | 1029.50 |
| Fe 271.441 | 951.998 | 965.438 | 966.771 |
| K 766.491 | 9914.21 | 9970.31 | 9994.98 |
| Mg 279.078 | 999.496 | 1007.19 | 1008.89 |
| Mn 257.610 | 1055.75 | 1058.25 | 1058.63 |
| Mo 202.032 | 997.177 | 1001.95x | 1000.13 |
| Na 330.237 | 9994.78 | 9972.00 | 10190.2 |
| Ni 231.604 | 1032.55 | 1041.38 | 1025.30 |
| Pb 220.353 | 994.260 | 1003.16 | 1003.42 |
| Sb 206.834 | 951.606 | 951.061 | 961.569 |
| Se 196.026 | 971.376 | 970.551 | 964.230 |
| Sn 189.925 | 4962.03 | 4916.83 | 4890.83 |
| Sr 216.596 | 5021.58x | 5040.85x | 5032.88x |
| Ti 334.941 | 977.320 | 979.705 | 980.868 |
| Tl 190.794 | 1002.56 | 1009.98 | 1007.23 |
| V 292.401 | 991.121 | 994.684 | 996.997 |
| Zn 206.200 | 1014.97 | 1002.09 | 1010.29 |

| Label | Sol'n Conc. | Units | SD | %RSD | Int. (c/s) | QC Value |
|------------|-------------|-------|---------|------|------------|------------|
| Ag 328.068 | 977.657b | ppb | 5.4904 | 0.6 | 63751.2 | 97.76574 |
| Al 308.215 | 968.866b | ppb | 10.3733 | 1.1 | 1882.57 | 96.88663 |
| As 188.980 | 973.276b | ppb | 4.2812 | 0.4 | 393.950 | 97.32764 |
| B 249.678 | 968.186b | ppb | 5.2067 | 0.5 | 10855.3 | 96.81858 |
| Ba 389.178 | 1028.23b | ppb | 1.5229 | 0.1 | 18727.9 | 102.82323 |
| Be 313.042 | 1038.17xb | ppb | 2.3037 | 0.2 | 1602046 | 103.81731 |
| Ca 370.602 | 1015b | ppb | 3.513 | 0.3 | 2499 | 101.52790 |
| Cd 226.502 | 1036.80xb | ppb | 2.9316 | 0.3 | 31571.0 | 103.68022 |
| Co 228.615 | 999.920b | ppb | 2.2171 | 0.2 | 8621.33 | 99.99198 |
| Cr 267.716 | 1020.98b | ppb | 0.7938 | 0.1 | 28102.1 | 102.09830 |
| Cu 324.754 | 1020.80b | ppb | 7.7156 | 0.8 | 47733.7 | 102.08022 |
| Fe 271.441 | 961.403b | ppb | 8.1715 | 0.8 | 1563.02 | 96.14027 |
| K 766.491 | 9959.83b | ppb | 41.3923 | 0.4 | 271040 | 99.59829 |
| Mg 279.078 | 1005.19b | ppb | 5.0050 | 0.5 | 1840.34 | 100.51912 |
| Mn 257.610 | 1057.54b | ppb | 1.5637 | 0.1 | 218571 | 105.75409Q |
| Mo 202.032 | 999.751xb | ppb | 2.4075 | 0.2 | 6252.93 | 99.97506 |
| Na 330.237 | 10052.3b | ppb | 119.932 | 1.2 | 440.636 | 100.52316 |
| Ni 231.604 | 1033.08b | ppb | 8.0525 | 0.8 | 2374.03 | 103.30764 |
| Pb 220.353 | 1000.28b | ppb | 5.2155 | 0.5 | 1324.73 | 100.02803 |
| Sb 206.834 | 954.745b | ppb | 5.9156 | 0.6 | 866.967 | 95.47450 |
| Se 196.026 | 968.719b | ppb | 3.9092 | 0.4 | 428.644 | 96.87191 |
| Sn 189.925 | 4923.23b | ppb | 36.0282 | 0.7 | 3121.49 | 98.46456 |
| Sr 216.596 | 5031.77xb | ppb | 9.6838 | 0.2 | 42788.4 | 100.63538 |
| Ti 334.941 | 979.297b | ppb | 1.8086 | 0.2 | 213193 | 97.92975 |
| Tl 190.794 | 1006.59b | ppb | 3.7504 | 0.4 | 818.581 | 100.65912 |
| V 292.401 | 994.267b | ppb | 2.9599 | 0.3 | 22704.4 | 99.42671 |
| Zn 206.200 | 1009.12b | ppb | 6.5169 | 0.6 | 944.662 | 100.91163 |

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Initial Calib Blank (ICB) **4/24/2013, 6:25:18 PM** **Rack S, Tube 1**
Weight: 1 **Volume: 1** **Dilution: 1**

| Label | Replicates Concentration | | |
|------------|--------------------------|-----------|----------|
| Ag 328.068 | 0.0155 | 0.3560 | 0.1688 |
| Al 308.215 | -1.1746u | -0.5218u | -6.1528u |
| As 188.980 | 9.9059 | 3.5650 | 13.4875 |
| B 249.678 | -5.0225u | -6.8887u | -9.2664u |
| Ba 389.178 | 0.2726 | 0.4505 | 0.4505 |
| Be 313.042 | 0.0481 | 0.0501 | 0.0661 |
| Ca 370.602 | 3.494 | 0.3758 | -1.221u |
| Cd 226.502 | -0.2591u | -0.1996u | -0.2405u |
| Co 228.615 | -0.3318u | -0.3277u | 0.1398 |
| Cr 267.716 | 0.3720 | 0.0654 | 0.0704 |
| Cu 324.754 | 0.0556 | 0.0817 | -0.1586u |
| Fe 271.441 | -0.1187u | 6.2767 | 3.4268 |
| K 766.491 | 0.1069 | 0.1467 | -0.6450u |
| Mg 279.078 | -1.1368u | -3.6974u | 0.2785 |
| Mn 257.610 | 0.0025 | 0.0635 | 0.0478 |
| Mo 202.032 | 0.1198 | -0.6011u | -0.5528u |
| Na 330.237 | -96.5937u | -93.0709u | 40.5626 |
| Ni 231.604 | -0.4259u | 1.2434 | 0.0489 |
| Pb 220.353 | -1.6809u | 1.4385 | 1.0762 |
| Sb 206.834 | -2.0254u | 0.1378 | -1.2863u |
| Se 196.026 | 4.8903 | -1.4807u | 4.5059 |
| Sn 189.925 | 1.2373 | 2.2768 | 7.0531 |
| Sr 216.596 | 0.0471 | 0.3368 | 0.8496 |
| Ti 334.941 | 0.0964 | 0.0051 | 0.0211 |
| Tl 190.794 | -0.3309u | -2.4619u | 1.0526 |
| V 292.401 | 0.4117 | 0.1176 | 0.0368 |
| Zn 206.200 | -0.1652u | 1.0280 | -0.6321u |

| Label | Sol'n Conc. | Units | SD | %RSD | Int. (c/s) | QC Value |
|------------|-------------|-------|---------|--------|------------|-----------|
| Ag 328.068 | 0.1801 | ppb | 0.1705 | 94.7 | -17.2306 | 0.18011 |
| Al 308.215 | -2.6164 | ppb | 3.0799 | 117.7 | -37.8289 | -2.61641 |
| As 188.980 | 8.9861 | ppb | 5.0248 | 55.9 | -6.7524 | 8.98614 |
| B 249.678 | -7.0592 | ppb | 2.1271 | 30.1 | 404.181 | -7.05922 |
| Ba 389.178 | 0.3912 | ppb | 0.1027 | 26.3 | -24.6430 | 0.39120 |
| Be 313.042 | 0.0548 | ppb | 0.0098 | 18.0 | -233.039 | 0.05479 |
| Ca 370.602 | 0.8827 | ppb | 2.398 | 271.7 | -0.6585 | 0.88271 |
| Cd 226.502 | -0.2331 | ppb | 0.0305 | 13.1 | 27.7562 | -0.23307 |
| Co 228.615 | -0.1732 | ppb | 0.2711 | 156.5 | -8.8767 | -0.17322 |
| Cr 267.716 | 0.1693 | ppb | 0.1755 | 103.7 | -23.3319 | 0.16926 |
| Cu 324.754 | -0.0071 | ppb | 0.1319 | 1854.2 | 144.298 | -0.00711 |
| Fe 271.441 | 3.1949 | ppb | 3.2040 | 100.3 | 32.7172 | 3.19494 |
| K 766.491 | -0.1305 | ppb | 0.4460 | 341.8 | 188.819 | -0.13049 |
| Mg 279.078 | -1.5186 | ppb | 2.0152 | 132.7 | 30.3639 | -1.51858 |
| Mn 257.610 | 0.0379 | ppb | 0.0317 | 83.6 | 57.8346 | 0.03793 |
| Mo 202.032 | -0.3447 | ppb | 0.4030 | 116.9 | 18.5554 | -0.34473 |
| Na 330.237 | -49.7007 | ppb | 78.1901 | 157.3 | 56.4800 | -49.70069 |
| Ni 231.604 | 0.2888 | ppb | 0.8601 | 297.8 | -6.8373 | 0.28881 |
| Pb 220.353 | 0.2780 | ppb | 1.7060 | 613.8 | 33.7297 | 0.27797 |
| Sb 206.834 | -1.0580 | ppb | 1.0995 | 103.9 | -1.5768 | -1.05799 |
| Se 196.026 | 2.6385 | ppb | 3.5725 | 135.4 | 10.5456 | 2.63848 |
| Sn 189.925 | 3.5224 | ppb | 3.1015 | 88.1 | -5.8847 | 3.52242 |
| Sr 216.596 | 0.4111 | ppb | 0.4064 | 98.8 | 25.2811 | 0.41114 |
| Ti 334.941 | 0.0409 | ppb | 0.0488 | 119.4 | -18.8261 | 0.04085 |
| Tl 190.794 | -0.5801 | ppb | 1.7705 | 305.2 | -10.8580 | -0.58006 |
| V 292.401 | 0.1887 | ppb | 0.1973 | 104.6 | -2.4059 | 0.18869 |
| Zn 206.200 | 0.0769 | ppb | 0.8561 | 1112.9 | 2.7725 | 0.07693 |

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CRI (CRI) **4/24/2013, 6:30:52 PM** **Rack S, Tube 4**
Weight: 1 **Volume: 1** **Dilution: 1**

| Label | Replicates Concentration | | |
|------------|--------------------------|---------|---------|
| Ag 328.068 | 10.7627 | 10.8523 | 11.0838 |
| Al 308.215 | 228.162 | 225.191 | 227.907 |
| As 188.980 | 23.6366 | 25.9728 | 24.3684 |
| B 249.678 | 83.0345 | 80.1709 | 82.1723 |
| Ba 389.178 | 10.3250 | 10.5288 | 11.0110 |
| Be 313.042 | 4.6048 | 4.5073 | 4.5513 |
| Ca 370.602 | 542.2 | 539.8 | 540.9 |
| Cd 226.502 | 5.5473 | 5.5409 | 5.7812 |
| Co 228.615 | 10.4672 | 11.9865 | 11.7817 |
| Cr 267.716 | 11.8428 | 11.5923 | 11.7155 |
| Cu 324.754 | 22.2701 | 21.7377 | 21.7132 |
| Fe 271.441 | 58.9514 | 51.4391 | 48.3406 |
| K 766.491 | 1068.18 | 1046.14 | 1059.69 |
| Mg 279.078 | 545.277 | 539.396 | 547.878 |
| Mn 257.610 | 11.7054 | 11.4676 | 11.5526 |
| Mo 202.032 | 9.7475 | 8.8526 | 9.3178 |
| Na 330.237 | 897.059 | 873.121 | 1115.96 |
| Ni 231.604 | 46.8839 | 44.6361 | 45.1345 |
| Pb 220.353 | 9.8191 | 8.5137 | 7.9930 |
| Sb 206.834 | 17.8079 | 18.1079 | 20.4028 |
| Se 196.026 | 24.2398 | 16.1281 | 22.2265 |
| Sn 189.925 | 55.6988 | 57.8297 | 55.3636 |
| Sr 216.596 | 11.2955 | 9.9707 | 10.8597 |
| Ti 334.941 | 10.6963 | 10.4425 | 10.5106 |
| Tl 190.794 | 24.1280 | 24.2292 | 23.0374 |
| V 292.401 | 11.0202 | 10.6177 | 11.0045 |
| Zn 206.200 | 24.3815 | 22.9392 | 25.1371 |

| Label | Sol'n Conc. | Units | SD | %RSD | Int. (c/s) | QC Value |
|------------|-------------|-------|---------|------|------------|------------|
| Ag 328.068 | 10.8996 | ppb | 0.1657 | 1.5 | 683.824 | 108.99583 |
| Al 308.215 | 227.087 | ppb | 1.6468 | 0.7 | 407.487 | 113.54328 |
| As 188.980 | 24.6593 | ppb | 1.1950 | 4.8 | -0.2382 | 123.29643R |
| B 249.678 | 81.7926 | ppb | 1.4691 | 1.8 | 1356.40 | 81.79259 |
| Ba 389.178 | 10.6216 | ppb | 0.3523 | 3.3 | 163.153 | 106.21611 |
| Be 313.042 | 4.5545 | ppb | 0.0488 | 1.1 | 6711.11 | 113.86149 |
| Ca 370.602 | 541.0 | ppb | 1.195 | 0.2 | 1275 | 108.19663 |
| Cd 226.502 | 5.6231 | ppb | 0.1369 | 2.4 | 206.026 | 112.46259 |
| Co 228.615 | 11.4118 | ppb | 0.8245 | 7.2 | 91.1234 | 114.11797 |
| Cr 267.716 | 11.7169 | ppb | 0.1253 | 1.1 | 294.875 | 117.16866 |
| Cu 324.754 | 21.9070 | ppb | 0.3147 | 1.4 | 1165.73 | 109.53490 |
| Fe 271.441 | 52.9104 | ppb | 5.4563 | 10.3 | 106.461 | 105.82070 |
| K 766.491 | 1058.01 | ppb | 11.1167 | 1.1 | 28963.8 | 105.80062 |
| Mg 279.078 | 544.183 | ppb | 4.3455 | 0.8 | 1019.22 | 108.83669 |
| Mn 257.610 | 11.5752 | ppb | 0.1205 | 1.0 | 2444.67 | 115.75200 |
| Mo 202.032 | 9.3059 | ppb | 0.4476 | 4.8 | 78.7119 | 93.05924 |
| Na 330.237 | 962.045 | ppb | 133.827 | 13.9 | 95.9171 | 96.20454 |
| Ni 231.604 | 45.5515 | ppb | 1.1805 | 2.6 | 97.5062 | 113.87878 |
| Pb 220.353 | 8.7753 | ppb | 0.9407 | 10.7 | 44.6944 | 87.75266 |
| Sb 206.834 | 18.7728 | ppb | 1.4195 | 7.6 | 16.3604 | 93.86420 |
| Se 196.026 | 20.8648 | ppb | 4.2238 | 20.2 | 18.4319 | 104.32408 |
| Sn 189.925 | 56.2974 | ppb | 1.3375 | 2.4 | 27.6638 | 112.59473 |
| Sr 216.596 | 10.7086 | ppb | 0.6752 | 6.3 | 112.069 | 107.08616 |
| Ti 334.941 | 10.5498 | ppb | 0.1314 | 1.2 | 2271.10 | 105.49770 |
| Tl 190.794 | 23.7982 | ppb | 0.6608 | 2.8 | 9.2284 | 95.19285 |
| V 292.401 | 10.8808 | ppb | 0.2280 | 2.1 | 241.979 | 108.80820 |
| Zn 206.200 | 24.1526 | ppb | 1.1167 | 4.6 | 25.2701 | 120.76291R |

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

Interf Check A (ICSA) 4/24/2013, 6:36:28 PM Rack S, Tube 5

Weight: 1 Volume: 1 Dilution: 1

| Label | Replicates Concentration | | |
|------------|--------------------------|-----------|-----------|
| Ag 328.068 | 0.2184u | 0.5804 | -0.1539u |
| Al 308.215 | 583721 | 585580 | 588092 |
| As 188.980 | 0.2277 | 8.2792 | 11.1451 |
| B 249.678 | -36.8240u | -37.8941u | -37.4942u |
| Ba 389.178 | -2.3567 | -3.3308 | -3.7966 |
| Be 313.042 | -0.1674u | -0.1622u | -0.1573u |
| Ca 370.602 | 507133 | 500960 | 501233 |
| Cd 226.502 | 1.0386 | 0.7548 | 0.9571 |
| Co 228.615 | 1.5840 | 0.2316u | 0.2089u |
| Cr 267.716 | 0.6032 | 0.6405 | 0.9744 |
| Cu 324.754 | -0.5666 | -0.8473 | -0.4977 |
| Fe 271.441 | 193760 | 193749 | 194493 |
| K 766.491 | 0.5752 | 1.0821 | 0.3133 |
| Mg 279.078 | 544758 | 544230 | 546063 |
| Mn 257.610 | 0.2384 | 0.3061 | 0.3341 |
| Mo 202.032 | -0.0373u | 2.9681 | -0.4022u |
| Na 330.237 | -150.059u | -146.628u | -416.043u |
| Ni 231.604 | 4.5389 | 3.8392 | 4.9813 |
| Pb 220.353 | -0.3707u | -0.8401u | -8.0626u |
| Sb 206.834 | 21.3225 | -5.9484u | 4.2377 |
| Se 196.026 | 12.2787 | -6.6711u | -5.3435u |
| Sn 189.925 | -1.3042u | -7.5583u | -8.3299u |
| Sr 216.596 | 7.7094 | 8.1970 | 7.6539 |
| Ti 334.941 | -0.4268 | -0.3883 | -0.3667 |
| Tl 190.794 | -11.2319u | -7.9648u | -4.7561u |
| V 292.401 | 0.4953 | 1.2400 | 1.0881 |
| Zn 206.200 | 9.7159 | 5.9084 | 6.1176 |

| Label | Sol'n Conc. | Units | SD | %RSD | Int. (c/s) | QC Value |
|------------|-------------|-------|---------|---------|------------|------------|
| Ag 328.068 | 0.2150 | ppb | 0.3671 | 170.8 | -46.9102 | 0.21498 |
| Al 308.215 | 585798 | ppb | 2193.92 | 0.4 | 1134686 | - |
| As 188.980 | 6.5507 | ppb | 5.6602 | 86.4 | -6.4890 | 6.55066 |
| B 249.678 | -37.4041 | ppb | 0.5407 | 1.4 | -128.675 | -37.40411 |
| Ba 389.178 | -3.1613 | ppb | 0.7348 | 23.2 | 1247.28 | -3.16135 |
| Be 313.042 | -0.1623 | ppb | 0.0050 | 3.1 | -403.151 | -0.16230 |
| Ca 370.602 | 503109 | ppb | 3488 | 0.7 | 1178214 | - |
| Cd 226.502 | 0.9168 | ppb | 0.1461 | 15.9 | 675.026 | 0.91683 |
| Co 228.615 | 0.6748 | ppb | 0.7874 | 116.7 | -6.3565 | 0.67483 |
| Cr 267.716 | 0.7394 | ppb | 0.2044 | 27.6 | 21.7544 | 0.73937 |
| Cu 324.754 | -0.6372 | ppb | 0.1852 | 29.1 | 168.555 | -0.63718 |
| Fe 271.441 | 194000 | ppb | 426.344 | 0.2 | 281578 | - |
| K 766.491 | 0.6569 | ppb | 0.3909 | 59.5 | 210.231 | 0.65686 |
| Mg 279.078 | 545017 | ppb | 943.367 | 0.2 | 987750 | - |
| Mn 257.610 | 0.2928 | ppb | 0.0492 | 16.8 | 3424.10 | 0.29285 |
| Mo 202.032 | 0.8429 | ppb | 1.8495 | 219.4 | 17.5862 | 0.84287 |
| Na 330.237 | -237.577 | ppb | 154.566 | 65.1 | 4.5917 | -237.57666 |
| Ni 231.604 | 4.4532 | ppb | 0.5759 | 12.9 | 6.4758 | 4.45317 |
| Pb 220.353 | -3.0911 | ppb | 4.3118 | 139.5 | 21.7730 | -3.09113 |
| Sb 206.834 | 6.5373 | ppb | 13.7801 | 210.8 | 9.2840 | 6.53727 |
| Se 196.026 | 0.0880 | ppb | 10.5783 | 12017.4 | 10.4416 | 0.08802 |
| Sn 189.925 | -5.7308 | ppb | 3.8529 | 67.2 | -11.6098 | -5.73080 |
| Sr 216.596 | 7.8535 | ppb | 0.2988 | 3.8 | 191.661 | 7.85346 |
| Ti 334.941 | -0.3939 | ppb | 0.0305 | 7.7 | 1834.55 | -0.39395 |
| Tl 190.794 | -7.9843 | ppb | 3.2379 | 40.6 | -25.2036 | -7.98426 |
| V 292.401 | 0.9412 | ppb | 0.3935 | 41.8 | 17.3087 | 0.94117 |
| Zn 206.200 | 7.2473 | ppb | 2.1405 | 29.5 | 9.4759 | 7.24730 |

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

Interf Check AB (ICSAB) 4/24/2013, 6:42:04 PM Rack S, Tube 6
Weight: 1 Volume: 1 Dilution: 1

| Label | Replicates Concentration | | |
|------------|--------------------------|-----------|-----------|
| Ag 328.068 | 226.994 | 227.778 | 227.710 |
| Al 308.215 | 601337 | 600454 | 609778 |
| As 188.980 | 120.684 | 104.918 | 115.516 |
| B 249.678 | -42.9145u | -44.2383u | -43.6175u |
| Ba 389.178 | 535.391 | 536.253 | 544.079 |
| Be 313.042 | 526.115 | 525.835 | 533.342 |
| Ca 370.602 | 517537 | 516467 | 523875 |
| Cd 226.502 | 1045.41 | 1038.08 | 1057.53x |
| Co 228.615 | 522.907 | 517.474 | 527.467 |
| Cr 267.716 | 535.733 | 534.793 | 543.173 |
| Cu 324.754 | 585.292 | 587.639 | 594.737 |
| Fe 271.441 | 198697 | 198926 | 201308 |
| K 766.491 | 0.0780 | -0.9564u | -0.9622u |
| Mg 279.078 | 560911 | 559263 | 565650 |
| Mn 257.610 | 531.121 | 531.647 | 537.452 |
| Mo 202.032 | 1115.13x | 1115.27x | 1130.60x |
| Na 330.237 | -926.384u | -276.093u | -280.725u |
| Ni 231.604 | 1019.45 | 1020.56 | 1026.83 |
| Pb 220.353 | 51.6661 | 46.9207 | 52.4579 |
| Sb 206.834 | 630.054 | 633.965 | 633.976 |
| Se 196.026 | 36.6180 | 47.0625 | 47.2080 |
| Sn 189.925 | 1083.31 | 1069.45 | 1088.36 |
| Sr 216.596 | 8.9703 | 9.0508 | 10.3702 |
| Ti 334.941 | -6.8285 | -6.8577 | -6.7013 |
| Tl 190.794 | 93.4084 | 89.0248 | 91.3246 |
| V 292.401 | 513.561 | 512.830 | 520.462 |
| Zn 206.200 | 994.902 | 1002.10 | 1007.45 |

| Label | Sol'n Conc. | Units | SD | %RSD | Int. (c/s) | QC Value |
|------------|-------------|-------|---------|------|------------|------------|
| Ag 328.068 | 227.494b | ppb | 0.4341 | 0.2 | 14828.0 | 113.74706 |
| Al 308.215 | 603856b | ppb | 5147.58 | 0.9 | 1169713 | 120.77124G |
| As 188.980 | 113.706b | ppb | 8.0374 | 7.1 | 37.8957 | 113.70622 |
| B 249.678 | -43.5901b | ppb | 0.6623 | 1.5 | -201.039 | - |
| Ba 389.178 | 538.574b | ppb | 4.7867 | 0.9 | 11172.4 | 107.71486 |
| Be 313.042 | 528.430b | ppb | 4.2558 | 0.8 | 815380 | 105.68608 |
| Ca 370.602 | 519293b | ppb | 4004 | 0.8 | 1216165 | 103.85864 |
| Cd 226.502 | 1047.00xb | ppb | 9.8248 | 0.9 | 32508.2 | 104.70042 |
| Co 228.615 | 522.616b | ppb | 5.0029 | 1.0 | 4473.43 | 104.52317 |
| Cr 267.716 | 537.900b | ppb | 4.5913 | 0.9 | 14819.0 | 107.57992 |
| Cu 324.754 | 589.223b | ppb | 4.9179 | 0.8 | 27683.2 | 117.84456 |
| Fe 271.441 | 199644b | ppb | 1446.33 | 0.7 | 289841 | 99.82175 |
| K 766.491 | -0.6135b | ppb | 0.5989 | 97.6 | 175.683 | - |
| Mg 279.078 | 561941b | ppb | 3316.21 | 0.6 | 1018414 | 112.38822 |
| Mn 257.610 | 533.407b | ppb | 3.5131 | 0.7 | 113679 | 106.68131 |
| Mo 202.032 | 1120.33xb | ppb | 8.8909 | 0.8 | 6997.01 | 112.03319 |
| Na 330.237 | -494.400b | ppb | 374.116 | 75.7 | -12.4090 | - |
| Ni 231.604 | 1022.28b | ppb | 3.9772 | 0.4 | 2352.94 | 102.22787 |
| Pb 220.353 | 50.3482b | ppb | 2.9946 | 5.9 | 89.4367 | 100.69650 |
| Sb 206.834 | 632.665b | ppb | 2.2615 | 0.4 | 570.024 | 105.44421 |
| Se 196.026 | 43.6295b | ppb | 6.0726 | 13.9 | 29.4192 | 87.25900 |
| Sn 189.925 | 1080.37b | ppb | 9.7924 | 0.9 | 678.813 | 108.03733 |
| Sr 216.596 | 9.4638b | ppb | 0.7860 | 8.3 | 162.961 | - |
| Ti 334.941 | -6.7958b | ppb | 0.0832 | 1.2 | 500.520 | - |
| Tl 190.794 | 91.2526b | ppb | 2.1927 | 2.4 | 55.7553 | 91.25256 |
| V 292.401 | 515.617b | ppb | 4.2113 | 0.8 | 11668.5 | 103.12349 |
| Zn 206.200 | 1001.48b | ppb | 6.2943 | 0.6 | 938.412 | 100.14832 |

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

LRA1 (Samp) 4/24/2013, 6:47:41 PM Rack S, Tube 7

Weight: 1

Volume: 1

Dilution: 1

| Label | Replicates Concentration | | |
|------------|--------------------------|----------|----------|
| Ag 328.068 | 0.1276 | 0.1489 | 0.0745 |
| Al 308.215 | 305.483 | 309.426 | 299.251 |
| As 188.980 | 20959.3x | 21320.0x | 20984.7x |
| B 249.678 | 5643.03x | 5704.77x | 5726.10x |
| Ba 389.178 | -1.1371u | -1.0122u | -0.9530u |
| Be 313.042 | 0.2565 | 0.2493 | 0.2471 |
| Ca 370.602 | 1953 | 1988 | 1987 |
| Cd 226.502 | -0.6447u | -0.4862u | -0.7037u |
| Co 228.615 | 11749.8 | 11789.7 | 11705.1 |
| Cr 267.716 | 8.9261 | 8.8460 | 9.0458 |
| Cu 324.754 | -5.7084u | -5.5781u | -5.8426u |
| Fe 271.441 | -4.7212 | 6.3981 | -2.5826 |
| K 766.491 | 1.8577 | 1.0256 | 1.3161 |
| Mg 279.078 | 195.974u | 195.027u | 191.531u |
| Mn 257.610 | 31598.5x | 31888.1x | 31784.9x |
| Mo 202.032 | -0.0297u | 0.0938 | -0.5463u |
| Na 330.237 | 131851x | 132474x | 132311x |
| Ni 231.604 | 11619.7x | 11692.1x | 11684.0x |
| Pb 220.353 | 22212.3x | 22428.9x | 22389.1x |
| Sb 206.834 | 9.4320 | 8.0346 | 7.5438 |
| Se 196.026 | 1.6641 | 7.2580 | 4.9996 |
| Sn 189.925 | 2.1544 | 5.2878 | 7.5677 |
| Sr 216.596 | -4.6056u | -3.8030u | -4.4081u |
| Ti 334.941 | 35498.0 | 35851.4 | 35779.4 |
| Tl 190.794 | 99.9151 | 99.3176 | 98.4276 |
| V 292.401 | -5.6262 | -4.9327 | -5.4741 |
| Zn 206.200 | 82.5685 | 85.3395 | 82.5750 |

| Label | Sol'n Conc. | Units | SD | %RSD | Int. (c/s) |
|------------|-------------|-------|---------|--------|------------|
| Ag 328.068 | 0.1170b | ppb | 0.0383 | 32.7 | 106.863 |
| Al 308.215 | 304.720b | ppb | 5.1302 | 1.7 | 557.414 |
| As 188.980 | 21088.0xb | ppb | 201.346 | 1.0 | 8756.19 |
| B 249.678 | 5691.30xb | ppb | 43.1425 | 0.8 | 61475.6 |
| Ba 389.178 | -1.0341b | ppb | 0.0940 | 9.1 | -49.6479 |
| Be 313.042 | 0.2510b | ppb | 0.0049 | 2.0 | 42.7141 |
| Ca 370.602 | 1976b | ppb | 20.07 | 1.0 | 10154 |
| Cd 226.502 | -0.6116b | ppb | 0.1125 | 18.4 | 18.9909 |
| Co 228.615 | 11748.2b | ppb | 42.3428 | 0.4 | 102134 |
| Cr 267.716 | 8.9393b | ppb | 0.1005 | 1.1 | 337.503 |
| Cu 324.754 | -5.7097b | ppb | 0.1323 | 2.3 | -121.508 |
| Fe 271.441 | -0.3018b | ppb | 5.9001 | 1955.1 | 1583.58 |
| K 766.491 | 1.3998b | ppb | 0.4223 | 30.2 | 230.433 |
| Mg 279.078 | 194.177b | ppb | 2.3403 | 1.2 | -52.2989 |
| Mn 257.610 | 31757.1xb | ppb | 146.797 | 0.5 | 6561821 |
| Mo 202.032 | -0.1607b | ppb | 0.3396 | 211.3 | 19.6358 |
| Na 330.237 | 132212xb | ppb | 322.936 | 0.2 | 5029.87 |
| Ni 231.604 | 11665.3xb | ppb | 39.6918 | 0.3 | 26884.0 |
| Pb 220.353 | 22343.4xb | ppb | 115.314 | 0.5 | 28900.4 |
| Sb 206.834 | 8.3368b | ppb | 0.9797 | 11.8 | 6.9421 |
| Se 196.026 | 4.6406b | ppb | 2.8142 | 60.6 | 18.2843 |
| Sn 189.925 | 5.0033b | ppb | 2.7178 | 54.3 | -4.9117 |
| Sr 216.596 | -4.2722b | ppb | 0.4182 | 9.8 | -170.543 |
| Ti 334.941 | 35709.6b | ppb | 186.728 | 0.5 | 7774836 |
| Tl 190.794 | 99.2201b | ppb | 0.7486 | 0.8 | 38.1739 |
| V 292.401 | -5.3443b | ppb | 0.3645 | 6.8 | 339.785 |
| Zn 206.200 | 83.4944b | ppb | 1.5990 | 1.9 | 80.7891 |

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

LRA2 (Samp) 4/24/2013, 6:53:18 PM **Rack S, Tube 8****Weight: 1** **Volume: 1** **Dilution: 1**

| Label | Replicates Concentration | | |
|------------|--------------------------|-----------|-----------|
| Ag 328.068 | 0.8314u | 1.0186u | 0.6281u |
| Al 308.215 | 1041550x | 1044764x | 1047651x |
| As 188.980 | 40.2322 | 43.0302 | 34.4966 |
| B 249.678 | 29.4650u | 15.7325u | 5.4149u |
| Ba 389.178 | 2.4847 | 3.7822 | 3.8567 |
| Be 313.042 | -0.0667 | -0.0745 | -0.0917 |
| Ca 370.602 | 858349x | 863133x | 865703x |
| Cd 226.502 | 6.2797 | 6.4787 | 6.6284 |
| Co 228.615 | 15.5027 | 13.8752 | 13.8874 |
| Cr 267.716 | 9.9965 | 9.8412 | 10.1354 |
| Cu 324.754 | -3.2062 | -4.7373 | -2.6494 |
| Fe 271.441 | 972744 | 975836 | 982690 |
| K 766.491 | 476486x | 477984x | 480659x |
| Mg 279.078 | 924304x | 931431x | 933831x |
| Mn 257.610 | 25.0774 | 24.9037 | 25.2531 |
| Mo 202.032 | 4.2970u | 5.7357u | 3.0591u |
| Na 330.237 | -8972.13u | -8718.02u | -8726.61u |
| Ni 231.604 | 15.2644 | 17.2831 | 14.1621 |
| Pb 220.353 | -9.3379u | 9.2478u | -3.4839u |
| Sb 206.834 | -2.2147 | 6.1310 | -4.2014 |
| Se 196.026 | -35.8006u | -36.1410u | -0.5227 |
| Sn 189.925 | -5.1161u | 1.7278 | 1.6948 |
| Sr 216.596 | 41.4465 | 40.6287 | 42.3118 |
| Ti 334.941 | 14.7635 | 14.4445 | 14.3573 |
| Tl 190.794 | -24.8754u | -34.9279u | -42.5545u |
| V 292.401 | 7.6316 | 7.0990 | 7.3114 |
| Zn 206.200 | 30400.2 | 30454.9 | 30507.9 |

| Label | Sol'n Conc. | Units | SD | %RSD | Int. (c/s) |
|------------|-------------|-------|---------|--------|------------|
| Ag 328.068 | 0.8260b | ppb | 0.1953 | 23.6 | -116.939 |
| Al 308.215 | 1044655xb | ppb | 3052.21 | 0.3 | 2023515 |
| As 188.980 | 39.2530b | ppb | 4.3502 | 11.1 | 12.2617 |
| B 249.678 | 16.8708b | ppb | 12.0654 | 71.5 | -385.107 |
| Ba 389.178 | 3.3745b | ppb | 0.7715 | 22.9 | 3032.41 |
| Be 313.042 | -0.0776b | ppb | 0.0128 | 16.5 | -184.406 |
| Ca 370.602 | 862395xb | ppb | 3732 | 0.4 | 1980545 |
| Cd 226.502 | 6.4623b | ppb | 0.1749 | 2.7 | 3299.31 |
| Co 228.615 | 14.4218b | ppb | 0.9361 | 6.5 | 92.9937 |
| Cr 267.716 | 9.9910b | ppb | 0.1471 | 1.5 | 385.056 |
| Cu 324.754 | -3.5310b | ppb | 1.0812 | 30.6 | 250.327 |
| Fe 271.441 | 977090b | ppb | 5089.95 | 0.5 | 1418066 |
| K 766.491 | 478376xb | ppb | 2113.90 | 0.4 | 13009160 |
| Mg 279.078 | 929855xb | ppb | 4955.26 | 0.5 | 1685272 |
| Mn 257.610 | 25.0780b | ppb | 0.1747 | 0.7 | 12467.7 |
| Mo 202.032 | 4.3639b | ppb | 1.3396 | 30.7 | 5.6969 |
| Na 330.237 | -8805.58b | ppb | 144.292 | 1.6 | -685.935 |
| Ni 231.604 | 15.5699b | ppb | 1.5828 | 10.2 | 46.5572 |
| Pb 220.353 | -1.1913b | ppb | 9.5025 | 797.6 | 18.4141 |
| Sb 206.834 | -0.0950b | ppb | 5.4826 | 5770.9 | 19.5179 |
| Se 196.026 | -24.1547b | ppb | 20.4667 | 84.7 | 3.9883 |
| Sn 189.925 | -0.5645b | ppb | 3.9418 | 698.3 | -8.2318 |
| Sr 216.596 | 41.4624b | ppb | 0.8417 | 2.0 | 758.821 |
| Ti 334.941 | 14.5218b | ppb | 0.2138 | 1.5 | 6514.73 |
| Tl 190.794 | -34.1193b | ppb | 8.8672 | 26.0 | -80.0201 |
| V 292.401 | 7.3474b | ppb | 0.2681 | 3.6 | 166.266 |
| Zn 206.200 | 30454.3b | ppb | 53.8683 | 0.2 | 28486.7 |

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

Cont Calib Verif (CCV) 4/24/2013, 7:04:28 PM Rack 1, Tube 37
 Weight: 1 Volume: 1 Dilution: 1

| Label | Replicates Concentration | | |
|------------|--------------------------|---------|---------|
| Ag 328.068 | 459.221 | 520.646 | 486.285 |
| Al 308.215 | 4758.77 | 5152.19 | 4933.59 |
| As 188.980 | 485.575 | 527.351 | 507.398 |
| B 249.678 | 473.072 | 515.260 | 493.487 |
| Ba 389.178 | 4918.17 | 5312.47 | 5092.65 |
| Be 313.042 | 495.506 | 537.278 | 513.453 |
| Ca 370.602 | 4815 | 5176 | 4967 |
| Cd 226.502 | 498.114 | 541.198 | 514.296 |
| Co 228.615 | 497.557 | 539.634 | 516.052 |
| Cr 267.716 | 4995.12 | 5420.68 | 5178.00 |
| Cu 324.754 | 4830.08 | 5370.26 | 5052.05 |
| Fe 271.441 | 4772.59 | 5165.44 | 4927.98 |
| K 766.491 | 9681.87 | 10266.3 | 9932.40 |
| Mg 279.078 | 4803.85 | 5190.59 | 4964.29 |
| Mn 257.610 | 5001.59 | 5408.18 | 5167.39 |
| Mo 202.032 | 474.711 | 515.900 | 495.068 |
| Na 330.237 | 6855.77 | 7532.56 | 7121.85 |
| Ni 231.604 | 2509.46 | 2721.14 | 2595.12 |
| Pb 220.353 | 477.593 | 516.681 | 494.234 |
| Sb 206.834 | 921.299 | 1002.55 | 955.296 |
| Se 196.026 | 4776.42 | 5157.28 | 4947.41 |
| Sn 189.925 | 4869.99 | 5363.42 | 4982.50 |
| Sr 216.596 | 2430.46 | 2627.39 | 2509.01 |
| Ti 334.941 | 477.193 | 517.700 | 494.504 |
| Tl 190.794 | 4873.42 | 5234.93 | 5003.69 |
| V 292.401 | 4758.90 | 5161.74 | 4922.87 |
| Zn 206.200 | 2483.07 | 2680.09 | 2561.21 |

| Label | Sol'n Conc. | Units | SD | %RSD | Int. (c/s) | QC Value |
|------------|-------------|-------|---------|------|------------|-----------|
| Ag 328.068 | 488.717 | ppb | 30.7851 | 6.3 | 31896.2 | 97.74346 |
| Al 308.215 | 4948.18 | ppb | 197.112 | 4.0 | 9544.38 | 98.96368 |
| As 188.980 | 506.774 | ppb | 20.8951 | 4.1 | 200.133 | 101.35487 |
| B 249.678 | 493.940 | ppb | 21.0974 | 4.3 | 5768.31 | 19.75758Q |
| Ba 389.178 | 5107.76 | ppb | 197.581 | 3.9 | 93139.5 | 102.15527 |
| Be 313.042 | 515.412 | ppb | 20.9549 | 4.1 | 795061 | 103.08244 |
| Ca 370.602 | 4986 | ppb | 181.0 | 3.6 | 11698 | 99.71946 |
| Cd 226.502 | 517.869 | ppb | 21.7631 | 4.2 | 15800.8 | 103.57384 |
| Co 228.615 | 517.747 | ppb | 21.0896 | 4.1 | 4470.64 | 103.54948 |
| Cr 267.716 | 5197.93 | ppb | 213.475 | 4.1 | 143206 | 103.95869 |
| Cu 324.754 | 5084.13 | ppb | 271.513 | 5.3 | 237048 | 101.68255 |
| Fe 271.441 | 4955.34 | ppb | 197.846 | 4.0 | 7327.58 | 99.10671 |
| K 766.491 | 9960.19 | ppb | 293.200 | 2.9 | 271050 | 99.60187 |
| Mg 279.078 | 4986.24 | ppb | 194.303 | 3.9 | 8998.50 | 99.72483 |
| Mn 257.610 | 5192.39 | ppb | 204.443 | 3.9 | 1072957 | 103.84775 |
| Mo 202.032 | 495.226 | ppb | 20.5951 | 4.2 | 3100.42 | 99.04526 |
| Na 330.237 | 7170.06 | ppb | 340.959 | 4.8 | 320.749 | 95.60080 |
| Ni 231.604 | 2608.57 | ppb | 106.478 | 4.1 | 6006.05 | 104.34289 |
| Pb 220.353 | 496.169 | ppb | 19.6156 | 4.0 | 674.639 | 99.23383 |
| Sb 206.834 | 959.714 | ppb | 40.8034 | 4.3 | 910.638 | 95.97136 |
| Se 196.026 | 4960.37 | ppb | 190.763 | 3.8 | 2156.09 | 99.20737 |
| Sn 189.925 | 5071.97 | ppb | 258.600 | 5.1 | 3216.05 | 101.43943 |
| Sr 216.596 | 2522.29 | ppb | 99.1313 | 3.9 | 21433.5 | 100.89146 |
| Ti 334.941 | 496.466 | ppb | 20.3248 | 4.1 | 108083 | 99.29311 |
| Tl 190.794 | 5037.34 | ppb | 183.089 | 3.6 | 4137.83 | 100.74689 |
| V 292.401 | 4947.84 | ppb | 202.577 | 4.1 | 113685 | 98.95672 |
| Zn 206.200 | 2574.79 | ppb | 99.2119 | 3.9 | 2401.47 | 102.99162 |

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

Cont Calib Blank (CCB) 4/24/2013, 7:10:02 PM Rack 1, Tube 38

Weight: 1 Volume: 1 Dilution: 1

| Label | Replicates Concentration | | |
|------------|--------------------------|-----------|-----------|
| Ag 328.068 | -0.1209u | 0.1571 | -0.2598u |
| Al 308.215 | 0.2617 | 4.8813 | -2.0417u |
| As 188.980 | 8.6936 | 6.6386 | 8.7700 |
| B 249.678 | -15.6562u | -15.7783u | -16.9460u |
| Ba 389.178 | -0.1761u | 1.1461 | 1.0117 |
| Be 313.042 | 0.0082 | -0.0086u | 0.0024 |
| Ca 370.602 | 4.794 | 1.399 | 4.926 |
| Cd 226.502 | -0.1891u | 0.1434 | -0.2473u |
| Co 228.615 | 0.3745 | 0.1412 | 0.3087 |
| Cr 267.716 | 0.4883 | 0.1082 | 0.0463 |
| Cu 324.754 | -0.4579u | -0.1368u | -0.2179u |
| Fe 271.441 | 5.9389 | -2.2837u | 0.2512 |
| K 766.491 | -0.3992u | -0.9455u | -0.9288u |
| Mg 279.078 | 2.6075 | -0.6842u | -0.3838u |
| Mn 257.610 | 0.0489 | 0.0287 | -0.0505u |
| Mo 202.032 | -0.5363u | -0.8014u | -1.0750u |
| Na 330.237 | -53.5691u | -310.104u | -112.539u |
| Ni 231.604 | 0.0829 | 1.6551 | 0.6590 |
| Pb 220.353 | -1.9661u | 2.6816 | -1.0032u |
| Sb 206.834 | 2.6454 | -0.9673u | -1.1446u |
| Se 196.026 | 2.8052 | 1.3405 | -1.0523u |
| Sn 189.925 | -0.1457u | -0.8477u | 1.7495 |
| Sr 216.596 | -0.4521u | 0.1144 | -0.2384u |
| Ti 334.941 | 0.0628 | 0.0213 | 0.0559 |
| Tl 190.794 | -3.5033u | 1.2531 | 2.3948 |
| V 292.401 | 0.1245 | 0.0149 | -0.0027 |
| Zn 206.200 | -0.1811u | -2.0261u | -0.6305u |

| Label | Sol'n Conc. | Units | SD | %RSD | Int. (c/s) | QC Value |
|------------|-------------|-------|---------|--------|------------|------------|
| Ag 328.068 | -0.0745 | ppb | 0.2123 | 284.8 | -33.8982 | -0.07455 |
| Al 308.215 | 1.0338 | ppb | 3.5255 | 341.0 | -30.7777 | 1.03375 |
| As 188.980 | 8.0341 | ppb | 1.2091 | 15.0 | -7.1481 | 8.03405 |
| B 249.678 | -16.1269 | ppb | 0.7120 | 4.4 | 306.998 | -16.12687 |
| Ba 389.178 | 0.6606 | ppb | 0.7276 | 110.2 | -19.7285 | 0.66056 |
| Be 313.042 | 0.0007 | ppb | 0.0085 | 1253.7 | -316.490 | 0.00068 |
| Ca 370.602 | 3.706 | ppb | 1.999 | 53.9 | 6.013 | 3.70635 |
| Cd 226.502 | -0.0977 | ppb | 0.2108 | 215.9 | 31.8756 | -0.09766 |
| Co 228.615 | 0.2748 | ppb | 0.1203 | 43.8 | -4.9966 | 0.27480 |
| Cr 267.716 | 0.2143 | ppb | 0.2393 | 111.7 | -22.0935 | 0.21425 |
| Cu 324.754 | -0.2709 | ppb | 0.1670 | 61.7 | 131.996 | -0.27087 |
| Fe 271.441 | 1.3022 | ppb | 4.2109 | 323.4 | 29.9726 | 1.30215 |
| K 766.491 | -0.7578 | ppb | 0.3107 | 41.0 | 171.760 | -0.75780 |
| Mg 279.078 | 0.5132 | ppb | 1.8199 | 354.6 | 34.0462 | 0.51316 |
| Mn 257.610 | 0.0090 | ppb | 0.0525 | 580.7 | 51.8772 | 0.00904 |
| Mo 202.032 | -0.8042 | ppb | 0.2693 | 33.5 | 15.6904 | -0.80424 |
| Na 330.237 | -158.737 | ppb | 134.362 | 84.6 | 52.2138 | -158.73741 |
| Ni 231.604 | 0.7990 | ppb | 0.7954 | 99.5 | -5.6611 | 0.79902 |
| Pb 220.353 | -0.0959 | ppb | 2.4531 | 2557.5 | 33.2469 | -0.09592 |
| Sb 206.834 | 0.1778 | ppb | 2.1388 | 1202.7 | -0.4553 | 0.17783 |
| Se 196.026 | 1.0311 | ppb | 1.9473 | 188.8 | 9.8504 | 1.03113 |
| Sn 189.925 | 0.2521 | ppb | 1.3435 | 533.0 | -7.9637 | 0.25205 |
| Sr 216.596 | -0.1920 | ppb | 0.2861 | 149.0 | 20.1602 | -0.19202 |
| Ti 334.941 | 0.0467 | ppb | 0.0222 | 47.6 | -17.5401 | 0.04668 |
| Tl 190.794 | 0.0482 | ppb | 3.1282 | 6491.3 | -10.3399 | 0.04819 |
| V 292.401 | 0.0456 | ppb | 0.0690 | 151.4 | -5.6280 | 0.04556 |
| Zn 206.200 | -0.9459 | ppb | 0.9620 | 101.7 | 1.8159 | -0.94591 |

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

680-89447-f-5-b (Samp) 4/24/2013, 7:15:36 PM Rack 1, Tube 39
 Weight: 1 Volume: 1 Dilution: 1

| Label | Replicates Concentration | | |
|------------|--------------------------|----------|----------|
| Ag 328.068 | -0.1396u | -0.2170u | -0.2894u |
| Al 308.215 | 4.4460 | 0.9336 | 5.8488 |
| As 188.980 | 2.2896 | 7.6893 | 1.2906 |
| B 249.678 | 352.461 | 350.212 | 364.975 |
| Ba 389.178 | 0.4295 | 0.7184 | 0.0404 |
| Be 313.042 | 0.0339u | 0.0343u | 0.0310u |
| Ca 370.602 | 33772 | 33421 | 34649 |
| Cd 226.502 | -0.0677u | 0.1531 | -0.0029u |
| Co 228.615 | 0.0403 | -0.7156u | -1.3377u |
| Cr 267.716 | 0.3173 | 0.4507 | 0.6608 |
| Cu 324.754 | 0.0664 | 0.0602 | 0.3121 |
| Fe 271.441 | -2.3881u | 10.5052 | 4.0006 |
| K 766.491 | 44772.7x | 44447.3x | 45905.0x |
| Mg 279.078 | 90487.6 | 89604.8 | 92973.9 |
| Mn 257.610 | 1.8757 | 1.8518 | 2.0080 |
| Mo 202.032 | -0.6920u | -1.5774u | -1.2601u |
| Na 330.237 | 1021540x | 1009949x | 1040261x |
| Ni 231.604 | 3.9242 | 1.9527 | 3.2663 |
| Pb 220.353 | -0.0934u | -1.5229u | -3.3024u |
| Sb 206.834 | 4.7513 | -1.6000u | -0.0003 |
| Se 196.026 | 5.8220 | 4.3696 | 9.8795 |
| Sn 189.925 | 2.0026 | -1.3621u | 2.0156 |
| Sr 216.596 | 632.122 | 625.612 | 648.107 |
| Ti 334.941 | -1.1176 | -1.1556 | -1.1158 |
| Tl 190.794 | -5.0941u | -0.3039u | -8.2908u |
| V 292.401 | 1.4954 | 0.2830 | 0.4666 |
| Zn 206.200 | -0.4611u | -2.6798u | -1.4604u |

| Label | Sol'n Conc. | Units | SD | %RSD | Int. (c/s) |
|------------|-------------|-------|---------|-------|------------|
| Ag 328.068 | -0.2153b | ppb | 0.0749 | 34.8 | -69.2773 |
| Al 308.215 | 3.7428b | ppb | 2.5319 | 67.6 | -25.5319 |
| As 188.980 | 3.7565b | ppb | 3.4423 | 91.6 | -8.9263 |
| B 249.678 | 355.883b | ppb | 7.9540 | 2.2 | 4294.10 |
| Ba 389.178 | 0.3961b | ppb | 0.3402 | 85.9 | 162.404 |
| Be 313.042 | 0.0330b | ppb | 0.0018 | 5.5 | -352.124 |
| Ca 370.602 | 33947b | ppb | 632.4 | 1.9 | 80289 |
| Cd 226.502 | 0.0275b | ppb | 0.1135 | 412.6 | 32.2925 |
| Co 228.615 | -0.6710b | ppb | 0.6901 | 102.9 | -13.1400 |
| Cr 267.716 | 0.4763b | ppb | 0.1732 | 36.4 | -5.1019 |
| Cu 324.754 | 0.1462b | ppb | 0.1437 | 98.3 | 151.432 |
| Fe 271.441 | 4.0393b | ppb | 6.4467 | 159.6 | 33.9228 |
| K 766.491 | 45041.7xb | ppb | 765.165 | 1.7 | 1225056 |
| Mg 279.078 | 91022.1b | ppb | 1746.97 | 1.9 | 165008 |
| Mn 257.610 | 1.9118b | ppb | 0.0842 | 4.4 | 913.617 |
| Mo 202.032 | -1.1765b | ppb | 0.4486 | 38.1 | 13.3681 |
| Na 330.237 | 1023917xb | ppb | 15295.0 | 1.5 | 40191.1 |
| Ni 231.604 | 3.0477b | ppb | 1.0038 | 32.9 | -0.4771 |
| Pb 220.353 | -1.6396b | ppb | 1.6077 | 98.1 | 31.2522 |
| Sb 206.834 | 1.0503b | ppb | 3.3034 | 314.5 | 0.3357 |
| Se 196.026 | 6.6904b | ppb | 2.8558 | 42.7 | 12.2991 |
| Sn 189.925 | 0.8854b | ppb | 1.9464 | 219.8 | -7.2908 |
| Sr 216.596 | 635.280b | ppb | 11.5752 | 1.8 | 5429.23 |
| Ti 334.941 | -1.1297b | ppb | 0.0225 | 2.0 | -12.6601 |
| Tl 190.794 | -4.5630b | ppb | 4.0198 | 88.1 | -14.1465 |
| V 292.401 | 0.7483b | ppb | 0.6534 | 87.3 | 5.1055 |
| Zn 206.200 | -1.5338b | ppb | 1.1112 | 72.4 | -1.2651 |

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

680-89447-f-5-c (Samp) 4/24/2013, 7:21:10 PM Rack 1, Tube 40

Weight: 1 Volume: 1 Dilution: 1

| Label | Replicates Concentration | | |
|------------|--------------------------|-----------|----------|
| Ag 328.068 | 0.0803u | -0.2151u | -0.2814u |
| Al 308.215 | 5.7910 | 8.5151 | 6.0635 |
| As 188.980 | 4.6976 | 4.9010 | 4.9747 |
| B 249.678 | 392.735 | 388.355 | 357.333 |
| Ba 389.178 | 1.3127 | 0.6631 | 0.0529 |
| Be 313.042 | 0.0337u | 0.0274u | 0.0319u |
| Ca 370.602 | 37192 | 36667 | 33818 |
| Cd 226.502 | -0.0163u | 0.0288u | -0.0107u |
| Co 228.615 | -0.3193u | -0.2819u | -0.5338u |
| Cr 267.716 | 0.1957 | 0.3338 | 0.3812 |
| Cu 324.754 | -0.1929u | 0.0445 | 0.2596 |
| Fe 271.441 | 3.1771 | -1.3222u | 7.7765 |
| K 766.491 | 50620.6x | 49593.8x | 45969.1x |
| Mg 279.078 | 100231 | 98683.8 | 91010.1 |
| Mn 257.610 | 1.8686 | 1.8265 | 1.5114 |
| Mo 202.032 | -1.6261u | -1.3934u | -1.0983u |
| Na 330.237 | 1131175x | 1120123x | 1018405x |
| Ni 231.604 | 2.6450 | 2.4834 | 3.0280 |
| Pb 220.353 | -0.6742u | -0.8520u | 1.3621 |
| Sb 206.834 | -3.2263u | 1.7217 | -4.3436u |
| Se 196.026 | -0.3533u | -1.3109u | 6.3958 |
| Sn 189.925 | -2.1418u | -3.7695u | -2.4339u |
| Sr 216.596 | 694.890 | 688.240 | 633.163 |
| Ti 334.941 | -1.3184u | -1.3630u | -1.3093u |
| Tl 190.794 | -7.5634u | -10.1635u | -5.4535u |
| V 292.401 | 0.5590 | 0.5819 | 0.6387 |
| Zn 206.200 | 1.0563 | 1.1409 | -0.7784u |

| Label | Sol'n Conc. | Units | SD | %RSD | Int. (c/s) |
|------------|-------------|-------|---------|--------|------------|
| Ag 328.068 | -0.1387b | ppb | 0.1926 | 138.8 | -65.8267 |
| Al 308.215 | 6.7898b | ppb | 1.5003 | 22.1 | -19.6462 |
| As 188.980 | 4.8578b | ppb | 0.1435 | 3.0 | -8.4685 |
| B 249.678 | 379.474b | ppb | 19.2998 | 5.1 | 4546.96 |
| Ba 389.178 | 0.6763b | ppb | 0.6300 | 93.2 | 179.074 |
| Be 313.042 | 0.0310b | ppb | 0.0032 | 10.4 | -360.833 |
| Ca 370.602 | 35892b | ppb | 1816 | 5.1 | 84890 |
| Cd 226.502 | 0.0006b | ppb | 0.0246 | 4158.6 | 31.2374 |
| Co 228.615 | -0.3783b | ppb | 0.1359 | 35.9 | -10.6021 |
| Cr 267.716 | 0.3036b | ppb | 0.0964 | 31.7 | -9.2336 |
| Cu 324.754 | 0.0371b | ppb | 0.2264 | 610.9 | 146.335 |
| Fe 271.441 | 3.2105b | ppb | 4.5494 | 141.7 | 32.7675 |
| K 766.491 | 48727.8xb | ppb | 2443.69 | 5.0 | 1325298 |
| Mg 279.078 | 96641.7b | ppb | 4938.12 | 5.1 | 175193 |
| Mn 257.610 | 1.7355b | ppb | 0.1952 | 11.2 | 906.150 |
| Mo 202.032 | -1.3726b | ppb | 0.2645 | 19.3 | 12.1458 |
| Na 330.237 | 1089901xb | ppb | 62163.5 | 5.7 | 42777.4 |
| Ni 231.604 | 2.7188b | ppb | 0.2797 | 10.3 | -1.2355 |
| Pb 220.353 | -0.0547b | ppb | 1.2302 | 2249.3 | 33.3011 |
| Sb 206.834 | -1.9494b | ppb | 3.2280 | 165.6 | -2.3712 |
| Se 196.026 | 1.5772b | ppb | 4.2004 | 266.3 | 10.0875 |
| Sn 189.925 | -2.7818b | ppb | 0.8678 | 31.2 | -9.6046 |
| Sr 216.596 | 672.098b | ppb | 33.8821 | 5.0 | 5742.63 |
| Ti 334.941 | -1.3302b | ppb | 0.0287 | 2.2 | -40.3151 |
| Tl 190.794 | -7.7268b | ppb | 2.3592 | 30.5 | -16.7542 |
| V 292.401 | 0.5932b | ppb | 0.0410 | 6.9 | 1.2539 |
| Zn 206.200 | 0.4729b | ppb | 1.0845 | 229.3 | 2.1423 |

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

680-89447-e-6-d (Samp) 4/24/2013, 7:26:44 PM Rack 1, Tube 41
 Weight: 1 Volume: 1 Dilution: 1

| Label | Replicates Concentration | | |
|------------|--------------------------|----------|----------|
| Ag 328.068 | 0.1378u | -0.0524u | 0.2768u |
| Al 308.215 | 1.1296 | 7.2215 | 2.4910 |
| As 188.980 | -4.1179u | 2.2442 | -1.5850u |
| B 249.678 | 398.932 | 444.294 | 418.120 |
| Ba 389.178 | -0.6464 | -0.4293 | -2.1513 |
| Be 313.042 | 0.0494u | 0.0235u | 0.0402u |
| Ca 370.602 | 37679 | 41913 | 39476 |
| Cd 226.502 | -0.0730u | -0.0919u | 0.1816 |
| Co 228.615 | -0.3722u | -1.1579u | -0.4684u |
| Cr 267.716 | 0.2018 | -0.2600 | -0.7074u |
| Cu 324.754 | -0.0587u | 0.4465 | 0.2078 |
| Fe 271.441 | 6.9035 | 7.5996 | 0.7152 |
| K 766.491 | 52650.0x | 57682.7x | 54216.5x |
| Mg 279.078 | 105449 | 117060 | 109802 |
| Mn 257.610 | 0.6801 | 1.0544 | 0.8600 |
| Mo 202.032 | -2.3712u | -1.4490u | -1.1575u |
| Na 330.237 | 1185423x | 1300686x | 1235013x |
| Ni 231.604 | 1.3353 | 1.4690 | 3.5296 |
| Pb 220.353 | 3.6905 | 3.9825 | 0.9613 |
| Sb 206.834 | -5.1189u | 3.1303 | 0.5094 |
| Se 196.026 | 11.6816 | -2.9203u | 8.2705 |
| Sn 189.925 | 0.3617 | -3.7102u | -5.6831u |
| Sr 216.596 | 709.381 | 789.507 | 741.716 |
| Ti 334.941 | -1.4840u | -1.5221u | -1.5998u |
| Tl 190.794 | -5.6863u | -5.8751u | -8.4915u |
| V 292.401 | 0.3176 | 0.5918 | 1.0525 |
| Zn 206.200 | -1.6313u | -0.0563u | -0.5251u |

| Label | Sol'n Conc. | Units | SD | %RSD | Int. (c/s) |
|------------|-------------|-------|---------|--------|------------|
| Ag 328.068 | 0.1208b | ppb | 0.1653 | 136.9 | -51.9406 |
| Al 308.215 | 3.6140b | ppb | 3.1975 | 88.5 | -25.7966 |
| As 188.980 | -1.1529b | ppb | 3.2030 | 277.8 | -10.9672 |
| B 249.678 | 420.449b | ppb | 22.7705 | 5.4 | 4986.11 |
| Ba 389.178 | -1.0757b | ppb | 0.9378 | 87.2 | 176.144 |
| Be 313.042 | 0.0377b | ppb | 0.0132 | 34.9 | -363.354 |
| Ca 370.602 | 39689b | ppb | 2125 | 5.4 | 93870 |
| Cd 226.502 | 0.0056b | ppb | 0.1527 | 2732.4 | 30.9183 |
| Co 228.615 | -0.6662b | ppb | 0.4286 | 64.3 | -13.0868 |
| Cr 267.716 | -0.2552b | ppb | 0.4546 | 178.1 | -23.2042 |
| Cu 324.754 | 0.1985b | ppb | 0.2527 | 127.3 | 153.864 |
| Fe 271.441 | 5.0728b | ppb | 3.7898 | 74.7 | 35.4348 |
| K 766.491 | 54849.7xb | ppb | 2575.39 | 4.7 | 1491777 |
| Mg 279.078 | 110771b | ppb | 5865.43 | 5.3 | 200801 |
| Mn 257.610 | 0.8649b | ppb | 0.1872 | 21.6 | 799.007 |
| Mo 202.032 | -1.6592b | ppb | 0.6336 | 38.2 | 10.3582 |
| Na 330.237 | 1240374xb | ppb | 57818.0 | 4.7 | 48675.2 |
| Ni 231.604 | 2.1113b | ppb | 1.2301 | 58.3 | -2.6358 |
| Pb 220.353 | 2.8781b | ppb | 1.6664 | 57.9 | 37.0918 |
| Sb 206.834 | -0.4931b | ppb | 4.2150 | 854.8 | -1.0587 |
| Se 196.026 | 5.6772b | ppb | 7.6385 | 134.5 | 11.8608 |
| Sn 189.925 | -3.0105b | ppb | 3.0825 | 102.4 | -9.7109 |
| Sr 216.596 | 746.868b | ppb | 40.3105 | 5.4 | 6379.07 |
| Ti 334.941 | -1.5353b | ppb | 0.0590 | 3.8 | -43.9651 |
| Tl 190.794 | -6.6843b | ppb | 1.5680 | 23.5 | -15.8946 |
| V 292.401 | 0.6540b | ppb | 0.3714 | 56.8 | 1.8760 |
| Zn 206.200 | -0.7376b | ppb | 0.8087 | 109.6 | -2.0107 |

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

680-89447-e-6-e (Samp) 4/24/2013, 7:32:19 PM Rack 1, Tube 42
 Weight: 1 Volume: 1 Dilution: 1

| Label | Replicates Concentration | | |
|------------|--------------------------|----------|----------|
| Ag 328.068 | -0.2010u | -0.0605u | -0.1268u |
| Al 308.215 | 8.3430 | 9.1966 | 5.1093 |
| As 188.980 | 7.3631 | 6.2914 | 3.6270 |
| B 249.678 | 408.064 | 402.213 | 394.611 |
| Ba 389.178 | -0.5862 | -0.4752 | -0.3016 |
| Be 313.042 | 0.0358u | 0.0327u | 0.0388u |
| Ca 370.602 | 38705 | 38143 | 37247 |
| Cd 226.502 | 0.2939 | -0.0104u | 0.0423u |
| Co 228.615 | 0.1837 | -0.5289u | -0.3416u |
| Cr 267.716 | 0.0823 | -0.4133 | 0.2806 |
| Cu 324.754 | 0.0175 | 0.3440 | 0.3754 |
| Fe 271.441 | -3.4380u | 3.4350 | -0.5275u |
| K 766.491 | 53130.8x | 52067.8x | 50684.5x |
| Mg 279.078 | 107668 | 106028 | 103333 |
| Mn 257.610 | 0.9115 | 0.8599 | 0.8832 |
| Mo 202.032 | -2.5063u | -1.5400u | -1.4688u |
| Na 330.237 | 1221068x | 1206586x | 1168170x |
| Ni 231.604 | 2.5770 | 2.1999 | 1.7291 |
| Pb 220.353 | 1.6760 | 3.6743 | 4.2338 |
| Sb 206.834 | -6.3360u | -1.4937u | -0.4918u |
| Se 196.026 | 9.3441 | 4.2638 | -2.9369u |
| Sn 189.925 | 1.0244 | 1.6311 | -4.5086u |
| Sr 216.596 | 725.713 | 715.787 | 698.872 |
| Ti 334.941 | -1.5014u | -1.5062u | -1.5526u |
| Tl 190.794 | -10.9620u | -6.0305u | -4.0019u |
| V 292.401 | 0.7788 | 0.3831 | 0.7618 |
| Zn 206.200 | -1.0676u | 0.8923 | -0.8700u |

| Label | Sol'n Conc. | Units | SD | %RSD | Int. (c/s) |
|------------|-------------|-------|---------|--------|------------|
| Ag 328.068 | -0.1294b | ppb | 0.0703 | 54.3 | -66.9858 |
| Al 308.215 | 7.5496b | ppb | 2.1561 | 28.6 | -18.1851 |
| As 188.980 | 5.7605b | ppb | 1.9238 | 33.4 | -8.0931 |
| B 249.678 | 401.630b | ppb | 6.7454 | 1.7 | 4784.41 |
| Ba 389.178 | -0.4543b | ppb | 0.1435 | 31.6 | 176.981 |
| Be 313.042 | 0.0357b | ppb | 0.0030 | 8.5 | -362.927 |
| Ca 370.602 | 38031b | ppb | 735.6 | 1.9 | 89949 |
| Cd 226.502 | 0.1086b | ppb | 0.1626 | 149.7 | 34.1638 |
| Co 228.615 | -0.2289b | ppb | 0.3694 | 161.4 | -9.3079 |
| Cr 267.716 | -0.0168b | ppb | 0.3574 | 2125.9 | -17.0244 |
| Cu 324.754 | 0.2456b | ppb | 0.1982 | 80.7 | 156.050 |
| Fe 271.441 | -0.1768b | ppb | 3.4499 | 1950.9 | 27.8268 |
| K 766.491 | 51961.0xb | ppb | 1226.64 | 2.4 | 1413222 |
| Mg 279.078 | 105676b | ppb | 2188.75 | 2.1 | 191568 |
| Mn 257.610 | 0.8849b | ppb | 0.0259 | 2.9 | 776.772 |
| Mo 202.032 | -1.8384b | ppb | 0.5795 | 31.5 | 9.2411 |
| Na 330.237 | 1198608xb | ppb | 27336.4 | 2.3 | 47038.2 |
| Ni 231.604 | 2.1687b | ppb | 0.4248 | 19.6 | -2.5036 |
| Pb 220.353 | 3.1947b | ppb | 1.3447 | 42.1 | 37.5013 |
| Sb 206.834 | -2.7738b | ppb | 3.1254 | 112.7 | -3.1164 |
| Se 196.026 | 3.5570b | ppb | 6.1709 | 173.5 | 10.9437 |
| Sn 189.925 | -0.6177b | ppb | 3.3833 | 547.7 | -8.2007 |
| Sr 216.596 | 713.457b | ppb | 13.5714 | 1.9 | 6094.69 |
| Ti 334.941 | -1.5201b | ppb | 0.0283 | 1.9 | -56.2249 |
| Tl 190.794 | -6.9981b | ppb | 3.5795 | 51.1 | -16.1529 |
| V 292.401 | 0.6412b | ppb | 0.2237 | 34.9 | 1.8319 |
| Zn 206.200 | -0.3484b | ppb | 1.0790 | 209.7 | 2.3748 |

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

640-43209-a-12-a (Samp) 4/24/2013, 7:37:54 PM Rack 1, Tube 43

Weight: 1

Volume: 1

Dilution: 1

| Label | Replicates Concentration | | |
|------------|--------------------------|----------|----------|
| Ag 328.068 | -0.3704u | -0.1340u | -0.4395u |
| Al 308.215 | 12.2974 | 13.5633 | 15.1435 |
| As 188.980 | 3.5410 | 0.3764 | 7.4922 |
| B 249.678 | 73.6232 | 69.5545 | 76.5555 |
| Ba 389.178 | 58.3530 | 57.0459 | 59.4432 |
| Be 313.042 | -0.0630u | -0.0470u | -0.0424u |
| Ca 370.602 | 210100 | 202814 | 213782 |
| Cd 226.502 | -0.1835u | -0.0359u | -0.4000u |
| Co 228.615 | 0.3377 | 0.4715 | 0.4731 |
| Cr 267.716 | 0.7537 | 0.2436 | 0.3156 |
| Cu 324.754 | 1.0964 | 1.3264 | 0.8342 |
| Fe 271.441 | 89.3542 | 83.1747 | 83.3340 |
| K 766.491 | 22812.3 | 22161.4 | 23123.7 |
| Mg 279.078 | 21297.2 | 20617.7 | 21661.2 |
| Mn 257.610 | 35.2682 | 34.3151 | 36.1080 |
| Mo 202.032 | 3.1553 | 2.6588 | 2.6079 |
| Na 330.237 | 46723.8 | 44749.7 | 47039.8 |
| Ni 231.604 | 4.7305 | 3.4663 | 2.2704 |
| Pb 220.353 | -0.7950u | -0.3381u | -4.5179u |
| Sb 206.834 | 2.2216 | -0.0235u | -4.7404u |
| Se 196.026 | 1.4243 | -3.2132u | 3.1317 |
| Sn 189.925 | 0.5960 | -1.2085u | 2.1912 |
| Sr 216.596 | 1820.42 | 1765.82 | 1853.73 |
| Ti 334.941 | 0.1216 | 0.0941 | 0.1158 |
| Tl 190.794 | -4.7984u | -6.1772u | -4.4587u |
| V 292.401 | 19.3449 | 18.9880 | 20.0568 |
| Zn 206.200 | 0.7224 | 0.4637 | -2.2273u |

| Label | Sol'n Conc. | Units | SD | %RSD | Int. (c/s) |
|------------|-------------|-------|---------|-------|------------|
| Ag 328.068 | -0.3147 | ppb | 0.1603 | 50.9 | -121.082 |
| Al 308.215 | 13.6681 | ppb | 1.4260 | 10.4 | -6.2507 |
| As 188.980 | 3.8032 | ppb | 3.5651 | 93.7 | -8.9071 |
| B 249.678 | 73.2444 | ppb | 3.5159 | 4.8 | 1264.79 |
| Ba 389.178 | 58.2807 | ppb | 1.2003 | 2.1 | 1074.70 |
| Be 313.042 | -0.0508 | ppb | 0.0108 | 21.3 | -343.094 |
| Ca 370.602 | 208899 | ppb | 5582 | 2.7 | 494084 |
| Cd 226.502 | -0.2064 | ppb | 0.1831 | 88.7 | 28.8430 |
| Co 228.615 | 0.4274 | ppb | 0.0777 | 18.2 | -3.7595 |
| Cr 267.716 | 0.4377 | ppb | 0.2761 | 63.1 | -15.5036 |
| Cu 324.754 | 1.0857 | ppb | 0.2463 | 22.7 | 195.153 |
| Fe 271.441 | 85.2876 | ppb | 3.5227 | 4.1 | 152.012 |
| K 766.491 | 22699.2 | ppb | 491.015 | 2.2 | 617474 |
| Mg 279.078 | 21192.0 | ppb | 529.644 | 2.5 | 38442.4 |
| Mn 257.610 | 35.2304 | ppb | 0.8971 | 2.5 | 7441.99 |
| Mo 202.032 | 2.8073 | ppb | 0.3024 | 10.8 | 38.1750 |
| Na 330.237 | 46171.1 | ppb | 1241.09 | 2.7 | 1868.09 |
| Ni 231.604 | 3.4891 | ppb | 1.2302 | 35.3 | 0.5417 |
| Pb 220.353 | -1.8837 | ppb | 2.2927 | 121.7 | 30.9379 |
| Sb 206.834 | -0.8474 | ppb | 3.5534 | 419.3 | -1.4261 |
| Se 196.026 | 0.4476 | ppb | 3.2833 | 733.6 | 9.6061 |
| Sn 189.925 | 0.5262 | ppb | 1.7009 | 323.2 | -7.7104 |
| Sr 216.596 | 1813.32 | ppb | 44.3854 | 2.4 | 15465.7 |
| Ti 334.941 | 0.1105 | ppb | 0.0145 | 13.1 | 67.9979 |
| Tl 190.794 | -5.1448 | ppb | 0.9101 | 17.7 | -14.6607 |
| V 292.401 | 19.4632 | ppb | 0.5441 | 2.8 | 441.187 |
| Zn 206.200 | -0.3471 | ppb | 1.6335 | 470.7 | 2.3758 |

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

640-43209-a-12-aSD^5 (Samp) 4/24/2013, 7:43:29 PM Rack 1, Tube 44

Weight: 1

Volume: 1

Dilution: 1

| Label | Replicates Concentration | | |
|------------|--------------------------|----------|----------|
| Ag 328.068 | 0.1340u | -0.1695u | -0.0734u |
| Al 308.215 | 2.9781 | 5.7998 | 1.2110 |
| As 188.980 | 7.0324 | -1.3049u | 2.5055 |
| B 249.678 | -8.8649u | -9.5312u | -9.3908u |
| Ba 389.178 | 11.1899 | 9.3683 | 10.3759 |
| Be 313.042 | -0.0222u | -0.0135u | -0.0129u |
| Ca 370.602 | 42750 | 42922 | 42813 |
| Cd 226.502 | -0.2860u | -0.2615u | -0.1863u |
| Co 228.615 | 0.0214 | -0.5082u | -0.2581u |
| Cr 267.716 | 0.0434 | 0.4407 | 0.5819 |
| Cu 324.754 | 0.1484 | -0.7851u | 0.0686 |
| Fe 271.441 | 20.8700 | 19.3302 | 19.2482 |
| K 766.491 | 4123.14 | 4131.73 | 4133.90 |
| Mg 279.078 | 4302.27 | 4320.04 | 4329.14 |
| Mn 257.610 | 7.3471 | 7.3458 | 7.3508 |
| Mo 202.032 | 0.0706 | -0.3671u | -0.5450u |
| Na 330.237 | 9089.50 | 8778.40 | 8831.06 |
| Ni 231.604 | -0.2127u | 0.8654 | -0.4216u |
| Pb 220.353 | -1.3968u | -3.3901u | -5.7305u |
| Sb 206.834 | -0.8698u | 1.6579 | -1.2843u |
| Se 196.026 | -4.2216u | -1.9008u | 3.1132 |
| Sn 189.925 | -4.2372u | -0.8666u | 4.1229 |
| Sr 216.596 | 375.900 | 378.184 | 376.343 |
| Ti 334.941 | -0.0111 | -0.0212 | 0.0193 |
| Tl 190.794 | -5.3101u | -3.4683u | 0.4789 |
| V 292.401 | 3.9999 | 3.5064 | 3.8525 |
| Zn 206.200 | -1.8501u | 0.3214 | 0.3810 |

| Label | Sol'n Conc. | Units | SD | %RSD | Int. (c/s) |
|------------|-------------|-------|---------|--------|------------|
| Ag 328.068 | -0.0363 | ppb | 0.1551 | 427.4 | -46.2591 |
| Al 308.215 | 3.3296 | ppb | 2.3145 | 69.5 | -26.3191 |
| As 188.980 | 2.7443 | ppb | 4.1738 | 152.1 | -9.3472 |
| B 249.678 | -9.2623 | ppb | 0.3512 | 3.8 | 380.560 |
| Ba 389.178 | 10.3114 | ppb | 0.9125 | 8.8 | 165.160 |
| Be 313.042 | -0.0162 | ppb | 0.0052 | 32.1 | -331.631 |
| Ca 370.602 | 42828 | ppb | 87.42 | 0.2 | 101295 |
| Cd 226.502 | -0.2446 | ppb | 0.0519 | 21.2 | 27.4617 |
| Co 228.615 | -0.2483 | ppb | 0.2649 | 106.7 | -9.5324 |
| Cr 267.716 | 0.3554 | ppb | 0.2792 | 78.6 | -18.1183 |
| Cu 324.754 | -0.1894 | ppb | 0.5174 | 273.2 | 135.783 |
| Fe 271.441 | 19.8161 | ppb | 0.9136 | 4.6 | 56.8518 |
| K 766.491 | 4129.59 | ppb | 5.6901 | 0.1 | 112493 |
| Mg 279.078 | 4317.15 | ppb | 13.6665 | 0.3 | 7857.69 |
| Mn 257.610 | 7.3479 | ppb | 0.0026 | 0.0 | 1591.19 |
| Mo 202.032 | -0.2805 | ppb | 0.3168 | 112.9 | 18.9494 |
| Na 330.237 | 8899.65 | ppb | 166.508 | 1.9 | 407.248 |
| Ni 231.604 | 0.0770 | ppb | 0.6907 | 896.6 | -7.3252 |
| Pb 220.353 | -3.5058 | ppb | 2.1692 | 61.9 | 28.8400 |
| Sb 206.834 | -0.1654 | ppb | 1.5926 | 962.9 | -0.7746 |
| Se 196.026 | -1.0031 | ppb | 3.7489 | 373.7 | 8.9722 |
| Sn 189.925 | -0.3270 | ppb | 4.2061 | 1286.4 | -8.3157 |
| Sr 216.596 | 376.809 | ppb | 1.2110 | 0.3 | 3231.01 |
| Ti 334.941 | -0.0043 | ppb | 0.0211 | 485.1 | -14.0273 |
| Tl 190.794 | -2.7665 | ppb | 2.9576 | 106.9 | -12.6686 |
| V 292.401 | 3.7862 | ppb | 0.2533 | 6.7 | 80.4453 |
| Zn 206.200 | -0.3825 | ppb | 1.2713 | 332.3 | 2.3428 |

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

640-43209-a-12-aPDS (Samp) 4/24/2013, 7:49:04 PM Rack 1, Tube 45**Weight: 1****Volume: 1****Dilution: 1**

| Label | Replicates Concentration | | |
|------------|--------------------------|---------|---------|
| Ag 328.068 | 58.1413 | 51.4856 | 51.0644 |
| Al 308.215 | 2397.57 | 2174.86 | 2179.82 |
| As 188.980 | 2443.45 | 2231.04 | 2224.95 |
| B 249.678 | 1241.90 | 1117.80 | 1124.68 |
| Ba 389.178 | 2409.13 | 2168.60 | 2171.21 |
| Be 313.042 | 58.6103 | 52.6099 | 52.7813 |
| Ca 370.602 | 238427 | 213084 | 215205 |
| Cd 226.502 | 59.1463 | 52.7926 | 53.2045 |
| Co 228.615 | 615.797 | 536.125 | 539.512 |
| Cr 267.716 | 233.494 | 210.965 | 211.687 |
| Cu 324.754 | 311.824 | 271.306 | 272.666 |
| Fe 271.441 | 1204.56 | 1080.14 | 1087.30 |
| K 766.491 | 31358.5 | 28739.9 | 28753.9 |
| Mg 279.078 | 29507.6 | 26499.8 | 26618.0 |
| Mn 257.610 | 643.635 | 577.911 | 579.352 |
| Mo 202.032 | 580.007 | 522.095 | 525.060 |
| Na 330.237 | 58187.3 | 52446.6 | 52551.2 |
| Ni 231.604 | 577.879 | 525.178 | 527.097 |
| Pb 220.353 | 558.682 | 501.156 | 504.913 |
| Sb 206.834 | 545.746 | 501.280 | 510.252 |
| Se 196.026 | 2356.56 | 2097.40 | 2098.54 |
| Sn 189.925 | 1142.22 | 1036.95 | 1042.68 |
| Sr 216.596 | 2582.68 | 2333.10 | 2341.56 |
| Ti 334.941 | 1129.89 | 1018.29 | 1019.38 |
| Tl 190.794 | 2278.09 | 2069.03 | 2075.47 |
| V 292.401 | 588.156 | 527.867 | 527.761 |
| Zn 206.200 | 574.945 | 508.518 | 519.819 |

| Label | Sol'n Conc. | Units | SD | %RSD | Int. (c/s) |
|------------|-------------|-------|---------|------|------------|
| Ag 328.068 | 53.5638 | ppb | 3.9698 | 7.4 | 3384.26 |
| Al 308.215 | 2250.75 | ppb | 127.178 | 5.7 | 4348.03 |
| As 188.980 | 2299.81 | ppb | 124.429 | 5.4 | 945.499 |
| B 249.678 | 1161.46 | ppb | 69.7478 | 6.0 | 12926.7 |
| Ba 389.178 | 2249.65 | ppb | 138.122 | 6.1 | 41053.7 |
| Be 313.042 | 54.6671 | ppb | 3.4159 | 6.2 | 84036.7 |
| Ca 370.602 | 222239 | ppb | 14059 | 6.3 | 525730 |
| Cd 226.502 | 55.0478 | ppb | 3.5554 | 6.5 | 1712.78 |
| Co 228.615 | 563.811 | ppb | 45.0524 | 8.0 | 4868.30 |
| Cr 267.716 | 218.715 | ppb | 12.8037 | 5.9 | 5999.61 |
| Cu 324.754 | 285.266 | ppb | 23.0106 | 8.1 | 13448.0 |
| Fe 271.441 | 1124.00 | ppb | 69.8562 | 6.2 | 1737.57 |
| K 766.491 | 29617.4 | ppb | 1507.80 | 5.1 | 805609 |
| Mg 279.078 | 27541.8 | ppb | 1703.45 | 6.2 | 49943.0 |
| Mn 257.610 | 600.299 | ppb | 37.5365 | 6.3 | 124235 |
| Mo 202.032 | 542.388 | ppb | 32.6133 | 6.0 | 3401.79 |
| Na 330.237 | 54395.1 | ppb | 3284.64 | 6.0 | 2180.88 |
| Ni 231.604 | 543.385 | ppb | 29.8886 | 5.5 | 1245.17 |
| Pb 220.353 | 521.584 | ppb | 32.1830 | 6.2 | 706.455 |
| Sb 206.834 | 519.092 | ppb | 23.5143 | 4.5 | 464.199 |
| Se 196.026 | 2184.17 | ppb | 149.300 | 6.8 | 954.270 |
| Sn 189.925 | 1073.95 | ppb | 59.1888 | 5.5 | 674.654 |
| Sr 216.596 | 2419.11 | ppb | 141.718 | 5.9 | 20598.4 |
| Ti 334.941 | 1055.85 | ppb | 64.1154 | 6.1 | 229952 |
| Tl 190.794 | 2140.86 | ppb | 118.884 | 5.6 | 1753.97 |
| V 292.401 | 547.928 | ppb | 34.8387 | 6.4 | 12534.6 |
| Zn 206.200 | 534.427 | ppb | 35.5416 | 6.7 | 502.150 |

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

640-43209-a-12-b ms (Samp) **4/24/2013, 7:54:40 PM** **Rack 1, Tube 46****Weight: 1****Volume: 1****Dilution: 1**

| Label | Replicates Concentration | | |
|------------|--------------------------|---------|---------|
| Ag 328.068 | 36.4037 | 36.8750 | 36.3729 |
| Al 308.215 | 5536.61 | 5568.44 | 5562.06 |
| As 188.980 | 110.184 | 114.868 | 123.494 |
| B 249.678 | 296.265 | 297.323 | 297.142 |
| Ba 389.178 | 167.014 | 167.511 | 167.278 |
| Be 313.042 | 53.9107 | 53.9780 | 53.9142 |
| Ca 370.602 | 222437 | 221862 | 223113 |
| Cd 226.502 | 54.1402 | 53.7712 | 53.8913 |
| Co 228.615 | 55.6478 | 53.9966 | 53.7595 |
| Cr 267.716 | 106.492 | 106.035 | 106.542 |
| Cu 324.754 | 111.169 | 109.895 | 111.405 |
| Fe 271.441 | 5110.63 | 5109.85 | 5090.75 |
| K 766.491 | 29729.0 | 29732.0 | 29662.9 |
| Mg 279.078 | 27390.4 | 27420.0 | 27386.9 |
| Mn 257.610 | 584.380 | 584.840 | 583.235 |
| Mo 202.032 | 104.900 | 105.884 | 105.507 |
| Na 330.237 | 54557.2 | 54776.8 | 54177.3 |
| Ni 231.604 | 107.750 | 106.892 | 108.797 |
| Pb 220.353 | 49.7040 | 49.4034 | 48.8512 |
| Sb 206.834 | 49.3179 | 51.1860 | 53.7886 |
| Se 196.026 | 99.3693 | 110.052 | 107.998 |
| Sn 189.925 | 199.148 | 203.464 | 198.945 |
| Sr 216.596 | 1983.07 | 1988.25 | 1989.30 |
| Ti 334.941 | 101.844 | 101.849 | 101.895 |
| Tl 190.794 | 35.0768 | 34.0610 | 38.6626 |
| V 292.401 | 123.917 | 123.814 | 124.207 |
| Zn 206.200 | 103.257 | 101.141 | 104.320 |

| Label | Sol'n Conc. | Units | SD | %RSD | Int. (c/s) |
|------------|-------------|-------|---------|------|------------|
| Ag 328.068 | 36.5505 | ppb | 0.2814 | 0.8 | 2285.36 |
| Al 308.215 | 5555.70 | ppb | 16.8406 | 0.3 | 10732.9 |
| As 188.980 | 116.182 | ppb | 6.7515 | 5.8 | 37.8256 |
| B 249.678 | 296.910 | ppb | 0.5663 | 0.2 | 3656.56 |
| Ba 389.178 | 167.268 | ppb | 0.2483 | 0.1 | 3081.25 |
| Be 313.042 | 53.9343 | ppb | 0.0379 | 0.1 | 82975.2 |
| Ca 370.602 | 222471 | ppb | 626.3 | 0.3 | 525907 |
| Cd 226.502 | 53.9342 | ppb | 0.1882 | 0.3 | 1691.24 |
| Co 228.615 | 54.4680 | ppb | 1.0286 | 1.9 | 462.341 |
| Cr 267.716 | 106.356 | ppb | 0.2795 | 0.3 | 2904.90 |
| Cu 324.754 | 110.823 | ppb | 0.8124 | 0.7 | 5312.30 |
| Fe 271.441 | 5103.74 | ppb | 11.2592 | 0.2 | 7443.28 |
| K 766.491 | 29708.0 | ppb | 39.0527 | 0.1 | 808072 |
| Mg 279.078 | 27399.1 | ppb | 18.1852 | 0.1 | 49684.4 |
| Mn 257.610 | 584.151 | ppb | 0.8264 | 0.1 | 120907 |
| Mo 202.032 | 105.430 | ppb | 0.4962 | 0.5 | 677.687 |
| Na 330.237 | 54503.8 | ppb | 303.337 | 0.6 | 2192.34 |
| Ni 231.604 | 107.813 | ppb | 0.9544 | 0.9 | 241.130 |
| Pb 220.353 | 49.3196 | ppb | 0.4325 | 0.9 | 96.9747 |
| Sb 206.834 | 51.4308 | ppb | 2.2454 | 4.4 | 46.0068 |
| Se 196.026 | 105.806 | ppb | 5.6686 | 5.4 | 55.3222 |
| Sn 189.925 | 200.519 | ppb | 2.5527 | 1.3 | 119.429 |
| Sr 216.596 | 1986.87 | ppb | 3.3335 | 0.2 | 16940.7 |
| Ti 334.941 | 101.862 | ppb | 0.0281 | 0.0 | 22244.0 |
| Tl 190.794 | 35.9335 | ppb | 2.4175 | 6.7 | 18.3552 |
| V 292.401 | 123.979 | ppb | 0.2038 | 0.2 | 2828.84 |
| Zn 206.200 | 102.906 | ppb | 1.6182 | 1.6 | 98.7530 |

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640-43209-a-12-c msd (Samp) 4/24/2013, 8:00:16 PM Rack 1, Tube 47

Weight: 1

Volume: 1

Dilution: 1

| Label | Replicates Concentration | | |
|------------|--------------------------|---------|---------|
| Ag 328.068 | 14.8042 | 14.9282 | 15.0857 |
| Al 308.215 | 5501.23 | 5531.64 | 5577.48 |
| As 188.980 | 113.592 | 116.660 | 122.115 |
| B 249.678 | 287.730 | 287.255 | 287.977 |
| Ba 389.178 | 168.417 | 168.543 | 166.515 |
| Be 313.042 | 53.8368 | 53.8164 | 53.8022 |
| Ca 370.602 | 222408 | 223498 | 222709 |
| Cd 226.502 | 53.9404 | 53.8644 | 53.8027 |
| Co 228.615 | 53.8704 | 53.8397 | 53.0027 |
| Cr 267.716 | 105.744 | 106.810 | 106.970 |
| Cu 324.754 | 109.704 | 111.230 | 110.130 |
| Fe 271.441 | 5105.06 | 5102.77 | 5106.97 |
| K 766.491 | 29936.3 | 29932.9 | 29894.9 |
| Mg 279.078 | 27372.6 | 27454.9 | 27429.3 |
| Mn 257.610 | 583.678 | 583.896 | 583.214 |
| Mo 202.032 | 106.590 | 106.191 | 105.738 |
| Na 330.237 | 54976.8 | 54494.0 | 54290.0 |
| Ni 231.604 | 106.733 | 107.514 | 106.466 |
| Pb 220.353 | 52.6344 | 49.0925 | 52.2787 |
| Sb 206.834 | 47.8507 | 49.3103 | 45.4860 |
| Se 196.026 | 105.802 | 113.217 | 110.759 |
| Sn 189.925 | 199.302 | 203.206 | 207.106 |
| Sr 216.596 | 1981.53 | 1992.16 | 1991.27 |
| Ti 334.941 | 101.306 | 101.508 | 101.935 |
| Tl 190.794 | 32.1135 | 35.3013 | 36.7263 |
| V 292.401 | 124.548 | 124.232 | 124.117 |
| Zn 206.200 | 104.839 | 109.124 | 106.258 |

| Label | Sol'n Conc. | Units | SD | %RSD | Int. (c/s) |
|------------|-------------|-------|---------|------|------------|
| Ag 328.068 | 14.9394 | ppb | 0.1411 | 0.9 | 870.958 |
| Al 308.215 | 5536.78 | ppb | 38.3843 | 0.7 | 10696.3 |
| As 188.980 | 117.455 | ppb | 4.3167 | 3.7 | 38.3549 |
| B 249.678 | 287.654 | ppb | 0.3671 | 0.1 | 3557.35 |
| Ba 389.178 | 167.825 | ppb | 1.1362 | 0.7 | 3091.49 |
| Be 313.042 | 53.8185 | ppb | 0.0174 | 0.0 | 82796.4 |
| Ca 370.602 | 222871 | ppb | 563.0 | 0.3 | 526853 |
| Cd 226.502 | 53.8692 | ppb | 0.0689 | 0.1 | 1689.29 |
| Co 228.615 | 53.5709 | ppb | 0.4924 | 0.9 | 454.578 |
| Cr 267.716 | 106.508 | ppb | 0.6666 | 0.6 | 2909.09 |
| Cu 324.754 | 110.355 | ppb | 0.7876 | 0.7 | 5290.49 |
| Fe 271.441 | 5104.93 | ppb | 2.1056 | 0.0 | 7444.88 |
| K 766.491 | 29921.4 | ppb | 22.9920 | 0.1 | 813874 |
| Mg 279.078 | 27418.9 | ppb | 42.1512 | 0.2 | 49720.4 |
| Mn 257.610 | 583.596 | ppb | 0.3486 | 0.1 | 120792 |
| Mo 202.032 | 106.173 | ppb | 0.4264 | 0.4 | 682.316 |
| Na 330.237 | 54586.9 | ppb | 352.690 | 0.6 | 2195.59 |
| Ni 231.604 | 106.904 | ppb | 0.5446 | 0.5 | 239.035 |
| Pb 220.353 | 51.3352 | ppb | 1.9504 | 3.8 | 99.5798 |
| Sb 206.834 | 47.5490 | ppb | 1.9299 | 4.1 | 42.4942 |
| Se 196.026 | 109.926 | ppb | 3.7772 | 3.4 | 57.1039 |
| Sn 189.925 | 203.205 | ppb | 3.9023 | 1.9 | 121.136 |
| Sr 216.596 | 1988.32 | ppb | 5.8964 | 0.3 | 16953.0 |
| Ti 334.941 | 101.583 | ppb | 0.3215 | 0.3 | 22183.3 |
| Tl 190.794 | 34.7137 | ppb | 2.3619 | 6.8 | 17.3496 |
| V 292.401 | 124.299 | ppb | 0.2235 | 0.2 | 2836.11 |
| Zn 206.200 | 106.740 | ppb | 2.1826 | 2.0 | 102.339 |

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mb 680-273943/1-a (Samp) 4/24/2013, 8:05:52 PM Rack 1, Tube 48

Weight: 1

Volume: 1

Dilution: 1

| Label | Replicates Concentration | | |
|------------|--------------------------|-----------|-----------|
| Ag 328.068 | 0.1912 | 0.1970 | 0.2610 |
| Al 308.215 | 3.5125 | 1.4292 | 7.0828 |
| As 188.980 | -2.4958u | 2.2036 | 2.5483 |
| B 249.678 | -22.3581u | -23.0355u | -23.4424u |
| Ba 389.178 | 0.7322 | 1.1347 | -0.1599u |
| Be 313.042 | -0.0008u | -0.0108u | -0.0049u |
| Ca 370.602 | 15.17 | 10.25 | 16.99 |
| Cd 226.502 | 0.0295 | -0.0341u | -0.2193u |
| Co 228.615 | -0.2469u | 0.3804 | -0.1136u |
| Cr 267.716 | 0.0876 | -0.0902u | 0.1473 |
| Cu 324.754 | 0.2639 | 0.3524 | 0.5757 |
| Fe 271.441 | -3.0390u | 3.8669 | 1.8098 |
| K 766.491 | 0.6121 | 1.4626 | 1.0127 |
| Mg 279.078 | 0.9552 | 4.1081 | -0.1303u |
| Mn 257.610 | -0.0501u | -0.1099u | -0.0217u |
| Mo 202.032 | -1.5994u | -1.5394u | -1.3460u |
| Na 330.237 | -153.890u | -124.737u | -194.986u |
| Ni 231.604 | 1.9466 | 0.2537 | 1.9881 |
| Pb 220.353 | -2.5507u | -0.5376u | 1.0283 |
| Sb 206.834 | -2.1969u | -4.1538u | -5.4850u |
| Se 196.026 | -6.3329u | 3.1929 | -1.4180u |
| Sn 189.925 | 2.4865 | 1.0815 | -1.2256u |
| Sr 216.596 | 0.0463 | 0.1099 | 0.3534 |
| Ti 334.941 | 0.0214 | 0.0026 | -0.0846u |
| Tl 190.794 | -3.6399u | -4.9971u | -2.3320u |
| V 292.401 | 0.0624 | -0.1014u | -0.4596u |
| Zn 206.200 | 4.0407 | 2.9488 | 1.6515 |

| Label | Sol'n Conc. | Units | SD | %RSD | Int. (c/s) |
|------------|-------------|-------|---------|--------|------------|
| Ag 328.068 | 0.2164 | ppb | 0.0387 | 17.9 | -14.8629 |
| Al 308.215 | 4.0082 | ppb | 2.8592 | 71.3 | -25.0362 |
| As 188.980 | 0.7521 | ppb | 2.8180 | 374.7 | -10.1753 |
| B 249.678 | -22.9453 | ppb | 0.5478 | 2.4 | 233.917 |
| Ba 389.178 | 0.5690 | ppb | 0.6625 | 116.4 | -21.3932 |
| Be 313.042 | -0.0055 | ppb | 0.0050 | 90.6 | -325.977 |
| Ca 370.602 | 14.14 | ppb | 3.487 | 24.7 | 30.44 |
| Cd 226.502 | -0.0746 | ppb | 0.1292 | 173.2 | 32.5876 |
| Co 228.615 | 0.0066 | ppb | 0.3305 | 4991.5 | -7.3027 |
| Cr 267.716 | 0.0482 | ppb | 0.1235 | 256.1 | -26.6678 |
| Cu 324.754 | 0.3973 | ppb | 0.1607 | 40.4 | 163.127 |
| Fe 271.441 | 0.8792 | ppb | 3.5457 | 403.3 | 29.3669 |
| K 766.491 | 1.0291 | ppb | 0.4255 | 41.3 | 220.354 |
| Mg 279.078 | 1.6443 | ppb | 2.2016 | 133.9 | 36.0972 |
| Mn 257.610 | -0.0605 | ppb | 0.0450 | 74.4 | 37.5201 |
| Mo 202.032 | -1.4949 | ppb | 0.1325 | 8.9 | 11.3838 |
| Na 330.237 | -157.871 | ppb | 35.2932 | 22.4 | 52.2179 |
| Ni 231.604 | 1.3961 | ppb | 0.9896 | 70.9 | -4.2845 |
| Pb 220.353 | -0.6867 | ppb | 1.7942 | 261.3 | 32.4838 |
| Sb 206.834 | -3.9453 | ppb | 1.6539 | 41.9 | -4.1758 |
| Se 196.026 | -1.5193 | ppb | 4.7637 | 313.5 | 8.7472 |
| Sn 189.925 | 0.7808 | ppb | 1.8742 | 240.0 | -7.6276 |
| Sr 216.596 | 0.1698 | ppb | 0.1621 | 95.4 | 23.2497 |
| Ti 334.941 | -0.0202 | ppb | 0.0566 | 280.2 | -32.0940 |
| Tl 190.794 | -3.6563 | ppb | 1.3326 | 36.4 | -13.3937 |
| V 292.401 | -0.1662 | ppb | 0.2670 | 160.6 | -10.4231 |
| Zn 206.200 | 2.8803 | ppb | 1.1961 | 41.5 | 5.3949 |

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Cont Calib Verif (CCV) 4/24/2013, 8:11:39 PM Rack 1, Tube 49
 Weight: 1 Volume: 1 Dilution: 1

| Label | Replicates Concentration | | |
|------------|--------------------------|---------|---------|
| Ag 328.068 | 485.450 | 486.824 | 491.964 |
| Al 308.215 | 4866.40 | 4912.38 | 4921.44 |
| As 188.980 | 489.535 | 501.748 | 491.459 |
| B 249.678 | 480.429 | 484.380 | 488.993 |
| Ba 389.178 | 5082.10 | 5096.71 | 5121.89 |
| Be 313.042 | 514.314 | 515.304 | 519.274 |
| Ca 370.602 | 4927 | 4957 | 4985 |
| Cd 226.502 | 516.333 | 516.632 | 518.808 |
| Co 228.615 | 520.221 | 518.586 | 521.417 |
| Cr 267.716 | 5094.51 | 5131.56 | 5161.19 |
| Cu 324.754 | 5169.67 | 5102.98 | 5086.43 |
| Fe 271.441 | 4923.82 | 4938.23 | 4954.97 |
| K 766.491 | 9973.73 | 9990.40 | 9991.71 |
| Mg 279.078 | 4963.29 | 4983.35 | 5006.02 |
| Mn 257.610 | 5181.18 | 5199.63 | 5226.69 |
| Mo 202.032 | 490.049 | 495.105 | 495.703 |
| Na 330.237 | 7183.96 | 7248.87 | 7303.72 |
| Ni 231.604 | 2599.24 | 2612.37 | 2627.55 |
| Pb 220.353 | 487.439 | 496.556 | 496.654 |
| Sb 206.834 | 961.235 | 965.944 | 973.810 |
| Se 196.026 | 4966.16 | 5000.43 | 5020.71 |
| Sn 189.925 | 4981.91 | 4992.57 | 5016.88 |
| Sr 216.596 | 2493.79 | 2505.57 | 2515.21 |
| Ti 334.941 | 492.058 | 494.492 | 496.832 |
| Tl 190.794 | 5031.29 | 5026.97 | 5046.48 |
| V 292.401 | 4951.64 | 4946.21 | 4968.49 |
| Zn 206.200 | 2565.95 | 2586.97 | 2595.98 |

| Label | Sol'n Conc. | Units | SD | %RSD | Int. (c/s) | QC Value |
|------------|-------------|-------|---------|------|------------|-----------|
| Ag 328.068 | 488.079 | ppb | 3.4339 | 0.7 | 31853.9 | 97.61585 |
| Al 308.215 | 4900.08 | ppb | 29.5131 | 0.6 | 9451.24 | 98.00150 |
| As 188.980 | 494.247 | ppb | 6.5665 | 1.3 | 194.924 | 98.84950 |
| B 249.678 | 484.600 | ppb | 4.2860 | 0.9 | 5668.22 | 19.38402Q |
| Ba 389.178 | 5100.23 | ppb | 20.1297 | 0.4 | 93002.2 | 102.00466 |
| Be 313.042 | 516.297 | ppb | 2.6248 | 0.5 | 796426 | 103.25944 |
| Ca 370.602 | 4956 | ppb | 29.32 | 0.6 | 11628 | 99.12346 |
| Cd 226.502 | 517.258 | ppb | 1.3512 | 0.3 | 15782.2 | 103.45152 |
| Co 228.615 | 520.075 | ppb | 1.4213 | 0.3 | 4490.70 | 104.01492 |
| Cr 267.716 | 5129.09 | ppb | 33.4065 | 0.7 | 141309 | 102.58172 |
| Cu 324.754 | 5119.69 | ppb | 44.0620 | 0.9 | 238706 | 102.39384 |
| Fe 271.441 | 4939.01 | ppb | 15.5928 | 0.3 | 7303.88 | 98.78011 |
| K 766.491 | 9985.28 | ppb | 10.0265 | 0.1 | 271732 | 99.85278 |
| Mg 279.078 | 4984.22 | ppb | 21.3812 | 0.4 | 8994.69 | 99.68442 |
| Mn 257.610 | 5202.50 | ppb | 22.8895 | 0.4 | 1075046 | 104.04992 |
| Mo 202.032 | 493.619 | ppb | 3.1064 | 0.6 | 3090.39 | 98.72381 |
| Na 330.237 | 7245.52 | ppb | 59.9489 | 0.8 | 323.725 | 96.60690 |
| Ni 231.604 | 2613.05 | ppb | 14.1681 | 0.5 | 6016.37 | 104.52207 |
| Pb 220.353 | 493.549 | ppb | 5.2923 | 1.1 | 671.251 | 98.70988 |
| Sb 206.834 | 966.996 | ppb | 6.3530 | 0.7 | 917.180 | 96.69963 |
| Se 196.026 | 4995.77 | ppb | 27.5680 | 0.6 | 2171.40 | 99.91531 |
| Sn 189.925 | 4997.12 | ppb | 17.9208 | 0.4 | 3168.47 | 99.94239 |
| Sr 216.596 | 2504.86 | ppb | 10.7255 | 0.4 | 21285.1 | 100.19430 |
| Ti 334.941 | 494.461 | ppb | 2.3875 | 0.5 | 107646 | 98.89214 |
| Tl 190.794 | 5034.91 | ppb | 10.2433 | 0.2 | 4135.81 | 100.69827 |
| V 292.401 | 4955.45 | ppb | 11.6149 | 0.2 | 113861 | 99.10896 |
| Zn 206.200 | 2582.97 | ppb | 15.4063 | 0.6 | 2409.12 | 103.31870 |

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

Cont Calib Blank (CCB) 4/24/2013, 8:17:13 PM Rack 1, Tube 50

Weight: 1

Volume: 1

Dilution: 1

| Label | Replicates Concentration | | |
|------------|--------------------------|-----------|-----------|
| Ag 328.068 | -0.3869u | -0.5469u | -0.1603u |
| Al 308.215 | 5.6088 | -1.4865u | 0.6171 |
| As 188.980 | 1.3656 | 4.8432 | -1.0047u |
| B 249.678 | -21.7000u | -23.9644u | -24.1754u |
| Ba 389.178 | 0.9183 | 0.2315 | 0.8199 |
| Be 313.042 | -0.0006u | 0.0072 | 0.0117 |
| Ca 370.602 | 8.869 | 1.961 | -0.4443u |
| Cd 226.502 | -0.2850u | -0.1884u | -0.1031u |
| Co 228.615 | 0.2472 | -0.2853u | 0.3891 |
| Cr 267.716 | 0.4091 | 0.2517 | -0.0830u |
| Cu 324.754 | 0.1141 | 0.0888 | 0.0355 |
| Fe 271.441 | -0.9579u | -2.7530u | 0.0088 |
| K 766.491 | -0.9284u | -1.3864u | -0.8356u |
| Mg 279.078 | -2.9055u | 2.8029 | -2.9179u |
| Mn 257.610 | 0.0146 | 0.0330 | -0.0114u |
| Mo 202.032 | -0.6729u | -1.2497u | -0.6537u |
| Na 330.237 | -36.4183u | -113.773u | -222.905u |
| Ni 231.604 | 2.0314 | 1.3519 | 1.9996 |
| Pb 220.353 | 3.5082 | -1.1738u | -0.6169u |
| Sb 206.834 | 3.1999 | -1.7606u | 1.6066 |
| Se 196.026 | 1.6084 | -3.0619u | 12.2842 |
| Sn 189.925 | -0.5656u | 0.6325 | 1.8606 |
| Sr 216.596 | 0.5227 | -0.2832u | 0.1992 |
| Ti 334.941 | -0.0060u | -0.0378u | -0.0393u |
| Tl 190.794 | -2.3108u | 4.0401 | -5.1692u |
| V 292.401 | -0.1659u | 0.0801 | -0.0161u |
| Zn 206.200 | -1.1533u | -0.0147u | -0.3970u |

| Label | Sol'n Conc. | Units | SD | %RSD | Int. (c/s) | QC Value |
|------------|-------------|-------|---------|-------|------------|------------|
| Ag 328.068 | -0.3647 | ppb | 0.1943 | 53.3 | -52.8712 | -0.36471 |
| Al 308.215 | 1.5798 | ppb | 3.6443 | 230.7 | -29.7151 | 1.57983 |
| As 188.980 | 1.7347 | ppb | 2.9414 | 169.6 | -9.7669 | 1.73470 |
| B 249.678 | -23.2799 | ppb | 1.3723 | 5.9 | 230.337 | -23.27991 |
| Ba 389.178 | 0.6566 | ppb | 0.3714 | 56.6 | -19.8054 | 0.65656 |
| Be 313.042 | 0.0061 | ppb | 0.0062 | 102.0 | -308.126 | 0.00611 |
| Ca 370.602 | 3.462 | ppb | 4.835 | 139.7 | 5.516 | 3.46197 |
| Cd 226.502 | -0.1922 | ppb | 0.0910 | 47.4 | 28.9954 | -0.19218 |
| Co 228.615 | 0.1170 | ppb | 0.3556 | 303.9 | -6.3630 | 0.11702 |
| Cr 267.716 | 0.1926 | ppb | 0.2513 | 130.5 | -22.6884 | 0.19261 |
| Cu 324.754 | 0.0795 | ppb | 0.0401 | 50.5 | 148.326 | 0.07949 |
| Fe 271.441 | -1.2340 | ppb | 1.4014 | 113.6 | 26.3247 | -1.23402 |
| K 766.491 | -1.0502 | ppb | 0.2949 | 28.1 | 163.810 | -1.05016 |
| Mg 279.078 | -1.0068 | ppb | 3.2993 | 327.7 | 31.2911 | -1.00683 |
| Mn 257.610 | 0.0121 | ppb | 0.0223 | 184.6 | 52.4914 | 0.01207 |
| Mo 202.032 | -0.8588 | ppb | 0.3387 | 39.4 | 15.3506 | -0.85877 |
| Na 330.237 | -124.366 | ppb | 93.6937 | 75.3 | 53.5579 | -124.36551 |
| Ni 231.604 | 1.7943 | ppb | 0.3835 | 21.4 | -3.3668 | 1.79430 |
| Pb 220.353 | 0.5725 | ppb | 2.5576 | 446.7 | 34.1108 | 0.57251 |
| Sb 206.834 | 1.0153 | ppb | 2.5325 | 249.4 | 0.3003 | 1.01530 |
| Se 196.026 | 3.6102 | ppb | 7.8665 | 217.9 | 10.9659 | 3.61023 |
| Sn 189.925 | 0.6425 | ppb | 1.2131 | 188.8 | -7.7155 | 0.64249 |
| Sr 216.596 | 0.1462 | ppb | 0.4055 | 277.4 | 23.0191 | 0.14620 |
| Ti 334.941 | -0.0277 | ppb | 0.0188 | 67.9 | -33.7491 | -0.02773 |
| Tl 190.794 | -1.1466 | ppb | 4.7137 | 411.1 | -11.3248 | -1.14664 |
| V 292.401 | -0.0340 | ppb | 0.1240 | 364.6 | -7.4814 | -0.03400 |
| Zn 206.200 | -0.5217 | ppb | 0.5794 | 111.1 | 2.2126 | -0.52166 |

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

ics 680-273943/2-a (Samp) 4/24/2013, 8:22:47 PM Rack 1, Tube 51
 Weight: 1 Volume: 1 Dilution: 1

| Label | Replicates Concentration | | |
|------------|--------------------------|---------|---------|
| Ag 328.068 | 9.8828 | 10.1559 | 10.2381 |
| Al 308.215 | 5243.53 | 5285.01 | 5297.68 |
| As 188.980 | 106.697 | 112.315 | 110.753 |
| B 249.678 | 171.444 | 172.495 | 173.839 |
| Ba 389.178 | 105.918 | 106.622 | 104.725 |
| Be 313.042 | 53.9228 | 53.9883 | 54.0672 |
| Ca 370.602 | 4981 | 4980 | 5000 |
| Cd 226.502 | 53.8056 | 54.1616 | 54.5451 |
| Co 228.615 | 53.4225 | 54.3888 | 54.0003 |
| Cr 267.716 | 106.458 | 107.271 | 107.768 |
| Cu 324.754 | 105.449 | 105.260 | 106.041 |
| Fe 271.441 | 5058.92 | 5051.47 | 5060.63 |
| K 766.491 | 5130.36 | 5114.30 | 5119.49 |
| Mg 279.078 | 5106.82 | 5120.82 | 5113.29 |
| Mn 257.610 | 548.706 | 548.595 | 549.221 |
| Mo 202.032 | 100.675 | 100.858 | 101.080 |
| Na 330.237 | 5301.97 | 4947.66 | 5201.72 |
| Ni 231.604 | 105.978 | 105.033 | 106.860 |
| Pb 220.353 | 54.1468 | 51.6467 | 49.3899 |
| Sb 206.834 | 47.2349 | 49.4762 | 42.6114 |
| Se 196.026 | 113.405 | 101.454 | 101.513 |
| Sn 189.925 | 206.493 | 208.454 | 202.639 |
| Sr 216.596 | 103.052 | 103.994 | 103.980 |
| Ti 334.941 | 101.220 | 101.407 | 101.599 |
| Tl 190.794 | 38.2990 | 38.4477 | 40.3390 |
| V 292.401 | 103.630 | 103.541 | 102.955 |
| Zn 206.200 | 106.460 | 111.365 | 111.157 |

| Label | Sol'n Conc. | Units | SD | %RSD | Int. (c/s) |
|------------|-------------|-------|---------|------|------------|
| Ag 328.068 | 10.0923 | ppb | 0.1860 | 1.8 | 629.260 |
| Al 308.215 | 5275.41 | ppb | 28.3200 | 0.5 | 10189.9 |
| As 188.980 | 109.922 | ppb | 2.9001 | 2.6 | 35.2235 |
| B 249.678 | 172.593 | ppb | 1.2005 | 0.7 | 2324.20 |
| Ba 389.178 | 105.755 | ppb | 0.9587 | 0.9 | 1913.54 |
| Be 313.042 | 53.9928 | ppb | 0.0723 | 0.1 | 83010.3 |
| Ca 370.602 | 4987 | ppb | 11.05 | 0.2 | 11512 |
| Cd 226.502 | 54.1708 | ppb | 0.3699 | 0.7 | 1698.23 |
| Co 228.615 | 53.9372 | ppb | 0.4862 | 0.9 | 457.855 |
| Cr 267.716 | 107.165 | ppb | 0.6615 | 0.6 | 2926.75 |
| Cu 324.754 | 105.583 | ppb | 0.4076 | 0.4 | 5068.17 |
| Fe 271.441 | 5057.01 | ppb | 4.8712 | 0.1 | 7375.21 |
| K 766.491 | 5121.38 | ppb | 8.1927 | 0.2 | 139463 |
| Mg 279.078 | 5113.64 | ppb | 7.0038 | 0.1 | 9293.38 |
| Mn 257.610 | 548.840 | ppb | 0.3340 | 0.1 | 113492 |
| Mo 202.032 | 100.871 | ppb | 0.2029 | 0.2 | 649.293 |
| Na 330.237 | 5150.45 | ppb | 182.634 | 3.5 | 257.908 |
| Ni 231.604 | 105.957 | ppb | 0.9137 | 0.9 | 236.849 |
| Pb 220.353 | 51.7278 | ppb | 2.3795 | 4.6 | 100.091 |
| Sb 206.834 | 46.4408 | ppb | 3.5006 | 7.5 | 41.5618 |
| Se 196.026 | 105.457 | ppb | 6.8828 | 6.5 | 55.1632 |
| Sn 189.925 | 205.862 | ppb | 2.9584 | 1.4 | 122.742 |
| Sr 216.596 | 103.676 | ppb | 0.5401 | 0.5 | 901.548 |
| Ti 334.941 | 101.409 | ppb | 0.1895 | 0.2 | 22069.8 |
| Tl 190.794 | 39.0286 | ppb | 1.1373 | 2.9 | 20.9455 |
| V 292.401 | 103.376 | ppb | 0.3666 | 0.4 | 2354.86 |
| Zn 206.200 | 109.660 | ppb | 2.7738 | 2.5 | 105.070 |

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ics 680-273943/3-a (Samp) 4/24/2013, 8:28:21 PM Rack 1, Tube 52
 Weight: 1 Volume: 1 Dilution: 1

| Label | Replicates Concentration | | |
|------------|--------------------------|---------|---------|
| Ag 328.068 | 208.076 | 200.638 | 252.985 |
| Al 308.215 | 2095.74 | 1954.65 | 2442.56 |
| As 188.980 | 205.230 | 204.181 | 235.973 |
| B 249.678 | 370.466 | 344.649 | 434.699 |
| Ba 389.178 | 202.774 | 189.594 | 235.063 |
| Be 313.042 | 213.444 | 198.216 | 245.782 |
| Ca 370.602 | 20098 | 18687 | 23096 |
| Cd 226.502 | 211.214 | 195.253 | 244.300 |
| Co 228.615 | 210.910 | 195.941 | 251.447 |
| Cr 267.716 | 208.877 | 194.357 | 241.486 |
| Cu 324.754 | 212.997 | 205.059 | 251.818 |
| Fe 271.441 | 20778.5 | 19271.4 | 23992.1 |
| K 766.491 | 20806.6 | 19792.2 | 23045.8 |
| Mg 279.078 | 20425.3 | 18980.8 | 23565.6 |
| Mn 257.610 | 2175.67 | 2012.76 | 2502.17 |
| Mo 202.032 | 201.628 | 186.549 | 231.953 |
| Na 330.237 | 18757.2 | 17933.8 | 21319.8 |
| Ni 231.604 | 208.090 | 194.906 | 237.524 |
| Pb 220.353 | 198.646 | 186.441 | 232.016 |
| Sb 206.834 | 191.175 | 170.695 | 226.413 |
| Se 196.026 | 201.990 | 182.375 | 242.750 |
| Sn 189.925 | 202.719 | 189.703 | 239.977 |
| Sr 216.596 | 217.182 | 201.082 | 249.337 |
| Ti 334.941 | 200.740 | 185.840 | 231.718 |
| Tl 190.794 | 40.7666 | 34.7681 | 45.3582 |
| V 292.401 | 206.154 | 190.633 | 237.308 |
| Zn 206.200 | 193.003 | 182.573 | 228.213 |

| Label | Sol'n Conc. | Units | SD | %RSD | Int. (c/s) |
|------------|-------------|-------|---------|------|------------|
| Ag 328.068 | 220.566 | ppb | 28.3208 | 12.8 | 14400.8 |
| Al 308.215 | 2164.31 | ppb | 251.080 | 11.6 | 4167.61 |
| As 188.980 | 215.128 | ppb | 18.0597 | 8.4 | 79.0483 |
| B 249.678 | 383.271 | ppb | 46.3709 | 12.1 | 4564.69 |
| Ba 389.178 | 209.144 | ppb | 23.3942 | 11.2 | 3850.51 |
| Be 313.042 | 219.147 | ppb | 24.2907 | 11.1 | 337927 |
| Ca 370.602 | 20627 | ppb | 2252 | 10.9 | 47564 |
| Cd 226.502 | 216.922 | ppb | 25.0168 | 11.5 | 6699.34 |
| Co 228.615 | 219.432 | ppb | 28.7177 | 13.1 | 1886.23 |
| Cr 267.716 | 214.907 | ppb | 24.1365 | 11.2 | 5901.14 |
| Cu 324.754 | 223.291 | ppb | 25.0218 | 11.2 | 10560.0 |
| Fe 271.441 | 21347.3 | ppb | 2411.20 | 11.3 | 31039.9 |
| K 766.491 | 21214.9 | ppb | 1664.78 | 7.8 | 577110 |
| Mg 279.078 | 20990.6 | ppb | 2344.07 | 11.2 | 38049.9 |
| Mn 257.610 | 2230.20 | ppb | 249.223 | 11.2 | 461023 |
| Mo 202.032 | 206.710 | ppb | 23.1247 | 11.2 | 1308.37 |
| Na 330.237 | 19336.9 | ppb | 1765.92 | 9.1 | 809.068 |
| Ni 231.604 | 213.507 | ppb | 21.8196 | 10.2 | 485.078 |
| Pb 220.353 | 205.701 | ppb | 23.5925 | 11.5 | 299.235 |
| Sb 206.834 | 196.094 | ppb | 28.1830 | 14.4 | 177.940 |
| Se 196.026 | 209.038 | ppb | 30.7985 | 14.7 | 100.413 |
| Sn 189.925 | 210.799 | ppb | 26.0928 | 12.4 | 125.889 |
| Sr 216.596 | 222.534 | ppb | 24.5689 | 11.0 | 1914.84 |
| Ti 334.941 | 206.099 | ppb | 23.4039 | 11.4 | 44919.8 |
| Tl 190.794 | 40.2977 | ppb | 5.3106 | 13.2 | 19.3449 |
| V 292.401 | 211.365 | ppb | 23.7700 | 11.2 | 4822.15 |
| Zn 206.200 | 201.263 | ppb | 23.9148 | 11.9 | 190.547 |

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

680-89329-c-4-d (Samp) 4/24/2013, 8:33:56 PM Rack 1, Tube 53

Weight: 1

Volume: 1

Dilution: 1

| Label | Replicates Concentration | | |
|------------|--------------------------|----------|----------|
| Ag 328.068 | -0.1009u | -0.2041u | -0.1870u |
| Al 308.215 | 286.074 | 275.372 | 278.103 |
| As 188.980 | 7.1587 | 11.0797 | 19.7579 |
| B 249.678 | 990.605 | 995.929 | 996.172 |
| Ba 389.178 | 22.4622 | 20.5878 | 20.4597 |
| Be 313.042 | 0.2410u | 0.2404u | 0.2508u |
| Ca 370.602 | 28247 | 28323 | 28212 |
| Cd 226.502 | 0.7119 | 0.6002u | 0.6248u |
| Co 228.615 | -0.2548u | 0.0049u | 0.6867 |
| Cr 267.716 | -0.6655 | -0.3282 | -0.9380 |
| Cu 324.754 | 12.6624 | 12.8353 | 12.7311 |
| Fe 271.441 | 85.2539 | 83.1285 | 77.1447 |
| K 766.491 | 34236.7 | 34280.3 | 34102.7 |
| Mg 279.078 | 3356.08 | 3352.58 | 3331.61 |
| Mn 257.610 | 20.9631 | 20.8628 | 20.7047 |
| Mo 202.032 | 130.452 | 132.091 | 132.436 |
| Na 330.237 | 5021128x | 4994031x | 5028575x |
| Ni 231.604 | 5.6683 | 5.8758 | 5.8968 |
| Pb 220.353 | 2.9731 | 3.0753 | 2.9674 |
| Sb 206.834 | -1.7917u | -0.6153u | 9.0198 |
| Se 196.026 | 47.3039 | 49.0853 | 35.0408 |
| Sn 189.925 | 1.5947 | -2.1930u | 1.7595 |
| Sr 216.596 | 92.4980 | 92.5773 | 92.9554 |
| Ti 334.941 | 2.1310 | 2.1145 | 2.1433 |
| Tl 190.794 | -10.7579u | -4.7222u | -7.7893u |
| V 292.401 | 1.6340u | 1.6126u | 1.6775u |
| Zn 206.200 | 49.2368 | 48.3867 | 50.7533 |

| Label | Sol'n Conc. | Units | SD | %RSD | Int. (c/s) |
|------------|-------------|-------|---------|-------|------------|
| Ag 328.068 | -0.1640b | ppb | 0.0553 | 33.7 | -43.4499 |
| Al 308.215 | 279.850b | ppb | 5.5607 | 2.0 | 515.240 |
| As 188.980 | 12.6654b | ppb | 6.4475 | 50.9 | -5.2459 |
| B 249.678 | 994.236b | ppb | 3.1463 | 0.3 | 11135.6 |
| Ba 389.178 | 21.1699b | ppb | 1.1210 | 5.3 | 361.803 |
| Be 313.042 | 0.2441b | ppb | 0.0058 | 2.4 | -394.012 |
| Ca 370.602 | 28261b | ppb | 56.65 | 0.2 | 66835 |
| Cd 226.502 | 0.6456b | ppb | 0.0587 | 9.1 | 33.5124 |
| Co 228.615 | 0.1456b | ppb | 0.4863 | 334.0 | -9.4086 |
| Cr 267.716 | -0.6439b | ppb | 0.3055 | 47.4 | 2.0809 |
| Cu 324.754 | 12.7429b | ppb | 0.0871 | 0.7 | 741.919 |
| Fe 271.441 | 81.8423b | ppb | 4.2048 | 5.1 | 147.070 |
| K 766.491 | 34206.6b | ppb | 92.5500 | 0.3 | 930407 |
| Mg 279.078 | 3346.76b | ppb | 13.2352 | 0.4 | 6098.65 |
| Mn 257.610 | 20.8435b | ppb | 0.1303 | 0.6 | 4352.01 |
| Mo 202.032 | 131.660b | ppb | 1.0597 | 0.8 | 841.656 |
| Na 330.237 | 5014578xb | ppb | 18179.5 | 0.4 | 196606 |
| Ni 231.604 | 5.8136b | ppb | 0.1263 | 2.2 | 5.9006 |
| Pb 220.353 | 3.0053b | ppb | 0.0607 | 2.0 | 37.1170 |
| Sb 206.834 | 2.2043b | ppb | 5.9316 | 269.1 | -0.2520 |
| Se 196.026 | 43.8100b | ppb | 7.6464 | 17.5 | 28.3587 |
| Sn 189.925 | 0.3871b | ppb | 2.2359 | 577.7 | -6.5998 |
| Sr 216.596 | 92.6769b | ppb | 0.2444 | 0.3 | 808.688 |
| Ti 334.941 | 2.1296b | ppb | 0.0144 | 0.7 | 164.720 |
| Tl 190.794 | -7.7565b | ppb | 3.0180 | 38.9 | -16.8504 |
| V 292.401 | 1.6414b | ppb | 0.0330 | 2.0 | -21.7761 |
| Zn 206.200 | 49.4589b | ppb | 1.1988 | 2.4 | 48.9581 |

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

680-89329-c-4-e ms (Samp) 4/24/2013, 8:39:30 PM Rack 1, Tube 54**Weight: 1****Volume: 1****Dilution: 1**

| Label | Replicates Concentration | | |
|------------|--------------------------|----------|----------|
| Ag 328.068 | 11.3410 | 11.8212 | 11.4492 |
| Al 308.215 | 6132.63 | 6109.56 | 6162.90 |
| As 188.980 | 142.503 | 132.304 | 147.046 |
| B 249.678 | 1198.95 | 1203.26 | 1199.92 |
| Ba 389.178 | 124.544 | 125.781 | 125.632 |
| Be 313.042 | 55.9271 | 55.7479 | 55.7235 |
| Ca 370.602 | 32609 | 32517 | 32619 |
| Cd 226.502 | 54.9707 | 54.7033 | 55.2487 |
| Co 228.615 | 53.4240 | 53.1642 | 52.7723 |
| Cr 267.716 | 106.000 | 105.920 | 106.584 |
| Cu 324.754 | 126.249 | 125.487 | 125.148 |
| Fe 271.441 | 5009.67 | 5000.90 | 5007.58 |
| K 766.491 | 45681.9x | 45558.1x | 45304.1x |
| Mg 279.078 | 8018.57 | 7991.57 | 7999.27 |
| Mn 257.610 | 563.234 | 562.472 | 561.613 |
| Mo 202.032 | 230.933 | 230.296 | 230.870 |
| Na 330.237 | 5011066x | 4976128x | 4901343x |
| Ni 231.604 | 106.789 | 108.504 | 108.307 |
| Pb 220.353 | 56.2066 | 50.9865 | 50.0470 |
| Sb 206.834 | 55.7995 | 51.9154 | 58.2674 |
| Se 196.026 | 180.958 | 182.100 | 159.593 |
| Sn 189.925 | 206.054 | 200.369 | 200.570 |
| Sr 216.596 | 194.518 | 196.935 | 198.665 |
| Ti 334.941 | 102.256 | 101.737 | 101.948 |
| Tl 190.794 | 28.9222 | 33.3659 | 31.2498 |
| V 292.401 | 105.167 | 104.522 | 104.713 |
| Zn 206.200 | 153.460 | 161.974 | 161.701 |

| Label | Sol'n Conc. | Units | SD | %RSD | Int. (c/s) |
|------------|-------------|-------|---------|------|------------|
| Ag 328.068 | 11.5372b | ppb | 0.2519 | 2.2 | 720.019 |
| Al 308.215 | 6135.03b | ppb | 26.7513 | 0.4 | 11860.9 |
| As 188.980 | 140.618b | ppb | 7.5497 | 5.4 | 47.9607 |
| B 249.678 | 1200.71b | ppb | 2.2619 | 0.2 | 13343.2 |
| Ba 389.178 | 125.319b | ppb | 0.6754 | 0.5 | 2276.75 |
| Be 313.042 | 55.7995b | ppb | 0.1112 | 0.2 | 85349.9 |
| Ca 370.602 | 32582b | ppb | 56.52 | 0.2 | 76782 |
| Cd 226.502 | 54.9742b | ppb | 0.2727 | 0.5 | 1701.52 |
| Co 228.615 | 53.1202b | ppb | 0.3281 | 0.6 | 447.527 |
| Cr 267.716 | 106.168b | ppb | 0.3629 | 0.3 | 2946.59 |
| Cu 324.754 | 125.628b | ppb | 0.5640 | 0.4 | 6005.67 |
| Fe 271.441 | 5006.05b | ppb | 4.5791 | 0.1 | 7301.32 |
| K 766.491 | 45514.7xb | ppb | 192.592 | 0.4 | 1237921 |
| Mg 279.078 | 8003.14b | ppb | 13.9112 | 0.2 | 14530.1 |
| Mn 257.610 | 562.440b | ppb | 0.8108 | 0.1 | 116295 |
| Mo 202.032 | 230.700b | ppb | 0.3510 | 0.2 | 1458.83 |
| Na 330.237 | 4962846xb | ppb | 56054.4 | 1.1 | 194576 |
| Ni 231.604 | 107.867b | ppb | 0.9384 | 0.9 | 241.253 |
| Pb 220.353 | 52.4134b | ppb | 3.3184 | 6.3 | 100.833 |
| Sb 206.834 | 55.3274b | ppb | 3.2022 | 5.8 | 47.9937 |
| Se 196.026 | 174.217b | ppb | 12.6778 | 7.3 | 84.9068 |
| Sn 189.925 | 202.331b | ppb | 3.2255 | 1.6 | 121.763 |
| Sr 216.596 | 196.706b | ppb | 2.0834 | 1.1 | 1691.44 |
| Ti 334.941 | 101.980b | ppb | 0.2612 | 0.3 | 21924.2 |
| Tl 190.794 | 31.1793b | ppb | 2.2227 | 7.1 | 14.4122 |
| V 292.401 | 104.801b | ppb | 0.3315 | 0.3 | 2335.31 |
| Zn 206.200 | 159.045b | ppb | 4.8390 | 3.0 | 151.257 |

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

680-89329-c-4-f msd (Samp) 4/24/2013, 8:45:05 PM Rack 1, Tube 55

Weight: 1

Volume: 1

Dilution: 1

| Label | Replicates Concentration | | |
|------------|--------------------------|----------|----------|
| Ag 328.068 | 11.4451 | 11.8893 | 11.9915 |
| Al 308.215 | 6185.45 | 6149.45 | 6203.89 |
| As 188.980 | 133.538 | 122.537 | 135.719 |
| B 249.678 | 1194.45 | 1202.43 | 1204.34 |
| Ba 389.178 | 125.544 | 126.387 | 126.700 |
| Be 313.042 | 56.4721 | 56.3616 | 56.4338 |
| Ca 370.602 | 32406 | 32403 | 32464 |
| Cd 226.502 | 56.0156 | 55.6384 | 55.9359 |
| Co 228.615 | 53.6599 | 54.0728 | 53.7256 |
| Cr 267.716 | 106.006 | 106.477 | 107.247 |
| Cu 324.754 | 126.109 | 125.784 | 126.823 |
| Fe 271.441 | 5072.94 | 5056.04 | 5060.90 |
| K 766.491 | 45495.6x | 45179.1x | 45057.2x |
| Mg 279.078 | 8017.53 | 8034.99 | 8025.61 |
| Mn 257.610 | 568.053 | 568.201 | 568.219 |
| Mo 202.032 | 231.371 | 232.003 | 231.133 |
| Na 330.237 | 4920227x | 4911457x | 4895087x |
| Ni 231.604 | 108.439 | 110.322 | 108.467 |
| Pb 220.353 | 53.0248 | 55.4761 | 51.4195 |
| Sb 206.834 | 49.8007 | 53.4347 | 53.8592 |
| Se 196.026 | 156.509 | 169.048 | 161.255 |
| Sn 189.925 | 203.915 | 210.317 | 198.370 |
| Sr 216.596 | 195.384 | 195.918 | 196.582 |
| Ti 334.941 | 103.243 | 102.963 | 103.289 |
| Tl 190.794 | 22.1905 | 22.3291 | 27.9147 |
| V 292.401 | 106.322 | 105.522 | 106.156 |
| Zn 206.200 | 169.639 | 171.816 | 168.905 |

| Label | Sol'n Conc. | Units | SD | %RSD | Int. (c/s) |
|------------|-------------|-------|---------|------|------------|
| Ag 328.068 | 11.7753b | ppb | 0.2905 | 2.5 | 735.619 |
| Al 308.215 | 6179.60b | ppb | 27.6898 | 0.4 | 11947.2 |
| As 188.980 | 130.598b | ppb | 7.0655 | 5.4 | 43.7955 |
| B 249.678 | 1200.41b | ppb | 5.2464 | 0.4 | 13339.9 |
| Ba 389.178 | 126.210b | ppb | 0.5978 | 0.5 | 2293.14 |
| Be 313.042 | 56.4225b | ppb | 0.0561 | 0.1 | 86316.4 |
| Ca 370.602 | 32424b | ppb | 34.17 | 0.1 | 76406 |
| Cd 226.502 | 55.8633b | ppb | 0.1988 | 0.4 | 1728.99 |
| Co 228.615 | 53.8194b | ppb | 0.2219 | 0.4 | 453.559 |
| Cr 267.716 | 106.576b | ppb | 0.6262 | 0.6 | 2957.33 |
| Cu 324.754 | 126.239b | ppb | 0.5314 | 0.4 | 6034.19 |
| Fe 271.441 | 5063.29b | ppb | 8.7003 | 0.2 | 7384.40 |
| K 766.491 | 45244.0xb | ppb | 226.297 | 0.5 | 1230558 |
| Mg 279.078 | 8026.04b | ppb | 8.7382 | 0.1 | 14571.5 |
| Mn 257.610 | 568.158b | ppb | 0.0911 | 0.0 | 117477 |
| Mo 202.032 | 231.502b | ppb | 0.4496 | 0.2 | 1463.83 |
| Na 330.237 | 4908924xb | ppb | 12759.8 | 0.3 | 192462 |
| Ni 231.604 | 109.076b | ppb | 1.0791 | 1.0 | 244.041 |
| Pb 220.353 | 53.3068b | ppb | 2.0430 | 3.8 | 101.987 |
| Sb 206.834 | 52.3649b | ppb | 2.2307 | 4.3 | 45.3208 |
| Se 196.026 | 162.271b | ppb | 6.3305 | 3.9 | 79.7412 |
| Sn 189.925 | 204.200b | ppb | 5.9786 | 2.9 | 122.937 |
| Sr 216.596 | 195.961b | ppb | 0.6005 | 0.3 | 1685.06 |
| Ti 334.941 | 103.165b | ppb | 0.1767 | 0.2 | 22185.4 |
| Tl 190.794 | 24.1447b | ppb | 3.2656 | 13.5 | 8.6038 |
| V 292.401 | 106.000b | ppb | 0.4222 | 0.4 | 2363.06 |
| Zn 206.200 | 170.120b | ppb | 1.5141 | 0.9 | 161.614 |

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

680-89329-c-4-d (Samp) 4/24/2013, 8:50:40 PM Rack 1, Tube 56

Weight: 1

Volume: 1

Dilution: 1

| Label | Replicates Concentration | | |
|------------|--------------------------|----------|----------|
| Ag 328.068 | -0.2165u | -0.0325u | -0.0669u |
| Al 308.215 | 27.6473 | 21.2528 | 28.7445 |
| As 188.980 | 6.2756 | 4.5016 | 3.7436 |
| B 249.678 | -5.4731u | -7.1938u | -6.0627u |
| Ba 389.178 | 0.4338 | -0.0654u | 0.6917 |
| Be 313.042 | 0.0078 | 0.0034 | 0.0021u |
| Ca 370.602 | 268.6 | 273.6 | 289.5 |
| Cd 226.502 | -0.1801u | -0.2480u | -0.0826u |
| Co 228.615 | -1.0734u | 0.9342 | 0.4501 |
| Cr 267.716 | 0.0772 | 0.3325 | 0.0447 |
| Cu 324.754 | -0.4441u | -0.8095u | 0.2501 |
| Fe 271.441 | -6.2690u | -0.7441u | 10.7359 |
| K 766.491 | 149.989 | 142.222 | 151.121 |
| Mg 279.078 | 34.6376 | 39.0752 | 41.8007 |
| Mn 257.610 | 0.1524 | 0.1955 | 0.1952 |
| Mo 202.032 | -0.0447u | 0.1257 | 0.3916 |
| Na 330.237 | 37786.5 | 37610.5 | 40242.9 |
| Ni 231.604 | 0.6931 | -0.1954u | 1.4616 |
| Pb 220.353 | -4.5322u | -5.1821u | -0.2262u |
| Sb 206.834 | -3.3409u | -3.3695u | 2.3931 |
| Se 196.026 | 4.9496 | -1.8733u | -0.3525u |
| Sn 189.925 | -0.3899u | 1.7268 | 0.4830 |
| Sr 216.596 | 0.2955 | 1.0825 | 0.2700 |
| Ti 334.941 | -0.0750u | -0.1565u | -0.1270u |
| Tl 190.794 | -3.4770u | -1.0269u | -1.3319u |
| V 292.401 | -0.3725u | -0.0486u | -0.3116u |
| Zn 206.200 | -0.2679u | 0.5030 | 2.0906 |

| Label | Sol'n Conc. | Units | SD | %RSD | Int. (c/s) |
|------------|-------------|-------|---------|--------|------------|
| Ag 328.068 | -0.1053 | ppb | 0.0978 | 92.9 | -35.9247 |
| Al 308.215 | 25.8815 | ppb | 4.0460 | 15.6 | 17.4117 |
| As 188.980 | 4.8403 | ppb | 1.2996 | 26.8 | -8.4761 |
| B 249.678 | -6.2432 | ppb | 0.8744 | 14.0 | 412.927 |
| Ba 389.178 | 0.3534 | ppb | 0.3849 | 108.9 | -25.2482 |
| Be 313.042 | 0.0045 | ppb | 0.0030 | 67.5 | -314.142 |
| Ca 370.602 | 277.2 | ppb | 10.94 | 3.9 | 652.9 |
| Cd 226.502 | -0.1702 | ppb | 0.0831 | 48.8 | 29.5051 |
| Co 228.615 | 0.1036 | ppb | 1.0477 | 1011.1 | -6.5096 |
| Cr 267.716 | 0.1515 | ppb | 0.1576 | 104.1 | -23.4542 |
| Cu 324.754 | -0.3345 | ppb | 0.5382 | 160.9 | 129.066 |
| Fe 271.441 | 1.2409 | ppb | 8.6745 | 699.0 | 29.8997 |
| K 766.491 | 147.777 | ppb | 4.8442 | 3.3 | 4211.03 |
| Mg 279.078 | 38.5045 | ppb | 3.6155 | 9.4 | 102.895 |
| Mn 257.610 | 0.1810 | ppb | 0.0248 | 13.7 | 87.4377 |
| Mo 202.032 | 0.1575 | ppb | 0.2199 | 139.6 | 21.6878 |
| Na 330.237 | 38546.6 | ppb | 1471.66 | 3.8 | 1569.27 |
| Ni 231.604 | 0.6531 | ppb | 0.8292 | 127.0 | -5.9975 |
| Pb 220.353 | -3.3135 | ppb | 2.6933 | 81.3 | 29.0865 |
| Sb 206.834 | -1.4391 | ppb | 3.3188 | 230.6 | -1.9333 |
| Se 196.026 | 0.9079 | ppb | 3.5819 | 394.5 | 9.7971 |
| Sn 189.925 | 0.6066 | ppb | 1.0638 | 175.4 | -7.7284 |
| Sr 216.596 | 0.5494 | ppb | 0.4619 | 84.1 | 26.4569 |
| Ti 334.941 | -0.1195 | ppb | 0.0413 | 34.5 | -55.7646 |
| Tl 190.794 | -1.9453 | ppb | 1.3352 | 68.6 | -11.9840 |
| V 292.401 | -0.2443 | ppb | 0.1721 | 70.5 | -12.7492 |
| Zn 206.200 | 0.7752 | ppb | 1.2026 | 155.1 | 23.4260 |

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

680-89329-c-4-e ms (Samp) 4/24/2013, 8:56:16 PM Rack 1, Tube 57

Weight: 1

Volume: 1

Dilution: 1

| Label | Replicates Concentration | | |
|------------|--------------------------|-----------|-----------|
| Ag 328.068 | -0.1986u | 0.0321 | 0.2969 |
| Al 308.215 | 56.1599 | 54.9791 | 50.0253 |
| As 188.980 | 2.0070 | 13.2406 | -0.3926u |
| B 249.678 | -15.7480u | -15.7350u | -16.8506u |
| Ba 389.178 | 0.6116 | 1.3952 | 1.5096 |
| Be 313.042 | 0.5210 | 0.5119 | 0.4988 |
| Ca 370.602 | 322.4 | 319.8 | 321.6 |
| Cd 226.502 | 0.2087 | 0.3632 | 0.5309 |
| Co 228.615 | 0.9615 | 0.0926 | 0.5489 |
| Cr 267.716 | 1.1003 | 1.1541 | 1.1385 |
| Cu 324.754 | 0.8590 | 0.5969 | 0.6708 |
| Fe 271.441 | 48.7051 | 46.9126 | 47.0651 |
| K 766.491 | 195.813 | 193.587 | 192.793 |
| Mg 279.078 | 82.1914 | 83.5666 | 82.6679 |
| Mn 257.610 | 5.5588 | 5.4515 | 5.4659 |
| Mo 202.032 | 1.0248 | 0.9082 | 1.3042 |
| Na 330.237 | 37786.0 | 37642.5 | 37188.1 |
| Ni 231.604 | 2.4479 | 1.0297 | 2.8061 |
| Pb 220.353 | -1.1191u | -2.5121u | 3.1540 |
| Sb 206.834 | -0.7194u | 1.7450 | -6.2303u |
| Se 196.026 | -0.8503u | 2.4144 | 2.4342 |
| Sn 189.925 | 0.8660 | -1.2730u | 0.3289 |
| Sr 216.596 | 1.9437 | 1.9297 | 1.6577 |
| Ti 334.941 | 0.8983 | 0.8745 | 0.8400 |
| Tl 190.794 | 1.3604 | -4.4386u | -0.3913u |
| V 292.401 | 1.0888 | 0.7500 | 0.8021 |
| Zn 206.200 | 1.4764 | -1.5739u | -1.3166u |

| Label | Sol'n Conc. | Units | SD | %RSD | Int. (c/s) |
|------------|-------------|-------|---------|--------|------------|
| Ag 328.068 | 0.0435 | ppb | 0.2479 | 570.3 | -26.2251 |
| Al 308.215 | 53.7214 | ppb | 3.2549 | 6.1 | 71.3667 |
| As 188.980 | 4.9516 | ppb | 7.2780 | 147.0 | -8.4296 |
| B 249.678 | -16.1112 | ppb | 0.6404 | 4.0 | 307.112 |
| Ba 389.178 | 1.1721 | ppb | 0.4888 | 41.7 | -10.1642 |
| Be 313.042 | 0.5106 | ppb | 0.0112 | 2.2 | 467.088 |
| Ca 370.602 | 321.3 | ppb | 1.320 | 0.4 | 754.3 |
| Cd 226.502 | 0.3676 | ppb | 0.1611 | 43.8 | 46.0245 |
| Co 228.615 | 0.5343 | ppb | 0.4346 | 81.3 | -2.7901 |
| Cr 267.716 | 1.1310 | ppb | 0.0277 | 2.4 | 3.5419 |
| Cu 324.754 | 0.7089 | ppb | 0.1351 | 19.1 | 177.714 |
| Fe 271.441 | 47.5609 | ppb | 0.9938 | 2.1 | 97.1719 |
| K 766.491 | 194.064 | ppb | 1.5661 | 0.8 | 5469.75 |
| Mg 279.078 | 82.8086 | ppb | 0.6983 | 0.8 | 183.123 |
| Mn 257.610 | 5.4921 | ppb | 0.0582 | 1.1 | 1185.18 |
| Mo 202.032 | 1.0791 | ppb | 0.2035 | 18.9 | 27.4300 |
| Na 330.237 | 37538.9 | ppb | 312.123 | 0.8 | 1529.76 |
| Ni 231.604 | 2.0945 | ppb | 0.9395 | 44.9 | -2.6737 |
| Pb 220.353 | -0.1590 | ppb | 2.9525 | 1856.5 | 33.1629 |
| Sb 206.834 | -1.7349 | ppb | 4.0835 | 235.4 | -2.1965 |
| Se 196.026 | 1.3328 | ppb | 1.8906 | 141.9 | 9.9823 |
| Sn 189.925 | -0.0261 | ppb | 1.1128 | 4270.0 | -8.1309 |
| Sr 216.596 | 1.8437 | ppb | 0.1612 | 8.7 | 37.4448 |
| Ti 334.941 | 0.8709 | ppb | 0.0293 | 3.4 | 160.102 |
| Tl 190.794 | -1.1565 | ppb | 2.9743 | 257.2 | -11.3420 |
| V 292.401 | 0.8803 | ppb | 0.1824 | 20.7 | 13.0133 |
| Zn 206.200 | -0.4714 | ppb | 1.6917 | 358.9 | 2.2583 |

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

680-89329-c-4-f msd (Samp) 4/24/2013, 9:01:52 PM Rack 1, Tube 58

Weight: 1

Volume: 1

Dilution: 1

| Label | Replicates Concentration | | |
|------------|--------------------------|-----------|-----------|
| Ag 328.068 | 0.0354 | 0.2408 | 0.0388 |
| Al 308.215 | 57.1669 | 57.4665 | 52.2460 |
| As 188.980 | 4.3856 | -2.1009u | 3.8195 |
| B 249.678 | -20.7472u | -20.2631u | -21.2243u |
| Ba 389.178 | 1.1518 | 1.6916 | 2.5571 |
| Be 313.042 | 0.5149 | 0.5044 | 0.5153 |
| Ca 370.602 | 316.5 | 321.8 | 307.5 |
| Cd 226.502 | 0.2134 | 0.3529 | 0.3876 |
| Co 228.615 | 1.0957 | 0.3573 | -0.2102u |
| Cr 267.716 | 1.2608 | 0.8892 | 1.2501 |
| Cu 324.754 | 1.0411 | 0.7384 | 0.3859 |
| Fe 271.441 | 44.6860 | 47.4841 | 40.8188 |
| K 766.491 | 191.810 | 193.716 | 187.225 |
| Mg 279.078 | 86.5182 | 85.6586 | 80.2710 |
| Mn 257.610 | 5.5371 | 5.5546 | 5.3506 |
| Mo 202.032 | 0.7993 | 0.3126 | 1.6368 |
| Na 330.237 | 36694.1 | 37367.4 | 35786.3 |
| Ni 231.604 | 0.3720 | 1.8521 | 2.0999 |
| Pb 220.353 | 2.2495 | 1.7067 | -1.9419u |
| Sb 206.834 | -1.0858u | 0.0942 | 2.2934 |
| Se 196.026 | 10.7939 | 0.8975 | 9.7961 |
| Sn 189.925 | 2.6709 | -0.9260u | 2.0270 |
| Sr 216.596 | 1.9735 | 1.3644 | 1.8703 |
| Ti 334.941 | 0.8604 | 0.9140 | 0.8371 |
| Tl 190.794 | -6.2776u | -3.6839u | -3.8872u |
| V 292.401 | 1.0803 | 1.0522 | 0.1839 |
| Zn 206.200 | -0.4067u | 0.0070 | 0.0083 |

| Label | Sol'n Conc. | Units | SD | %RSD | Int. (c/s) |
|------------|-------------|-------|---------|-------|------------|
| Ag 328.068 | 0.1050 | ppb | 0.1176 | 112.0 | -22.1958 |
| Al 308.215 | 55.6265 | ppb | 2.9314 | 5.3 | 75.0505 |
| As 188.980 | 2.0347 | ppb | 3.5927 | 176.6 | -9.6422 |
| B 249.678 | -20.7449 | ppb | 0.4806 | 2.3 | 257.454 |
| Ba 389.178 | 1.8001 | ppb | 0.7089 | 39.4 | 1.2867 |
| Be 313.042 | 0.5115 | ppb | 0.0061 | 1.2 | 468.637 |
| Ca 370.602 | 315.3 | ppb | 7.243 | 2.3 | 740.3 |
| Cd 226.502 | 0.3180 | ppb | 0.0922 | 29.0 | 44.5087 |
| Co 228.615 | 0.4143 | ppb | 0.6548 | 158.1 | -3.8242 |
| Cr 267.716 | 1.1334 | ppb | 0.2115 | 18.7 | 3.6001 |
| Cu 324.754 | 0.7218 | ppb | 0.3280 | 45.4 | 178.312 |
| Fe 271.441 | 44.3296 | ppb | 3.3469 | 7.6 | 92.4910 |
| K 766.491 | 190.917 | ppb | 3.3365 | 1.7 | 5384.17 |
| Mg 279.078 | 84.1493 | ppb | 3.3861 | 4.0 | 185.553 |
| Mn 257.610 | 5.4808 | ppb | 0.1131 | 2.1 | 1182.85 |
| Mo 202.032 | 0.9163 | ppb | 0.6698 | 73.1 | 26.4153 |
| Na 330.237 | 36615.9 | ppb | 793.425 | 2.2 | 1493.58 |
| Ni 231.604 | 1.4414 | ppb | 0.9343 | 64.8 | -4.1795 |
| Pb 220.353 | 0.6714 | ppb | 2.2794 | 339.5 | 34.2365 |
| Sb 206.834 | 0.4339 | ppb | 1.7150 | 395.2 | -0.2341 |
| Se 196.026 | 7.1625 | ppb | 5.4485 | 76.1 | 12.5038 |
| Sn 189.925 | 1.2573 | ppb | 1.9180 | 152.5 | -7.3153 |
| Sr 216.596 | 1.7361 | ppb | 0.3260 | 18.8 | 36.5456 |
| Ti 334.941 | 0.8705 | ppb | 0.0394 | 4.5 | 160.060 |
| Tl 190.794 | -4.6162 | ppb | 1.4424 | 31.2 | -14.1939 |
| V 292.401 | 0.7722 | ppb | 0.5097 | 66.0 | 10.5483 |
| Zn 206.200 | -0.1305 | ppb | 0.2392 | 183.3 | 2.5770 |

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

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

Weight: 1 Volume: 1 Dilution: 1

| Label | Replicates Concentration | | |
|------------|--------------------------|-----------|-----------|
| Ag 328.068 | 0.1557 | -0.6677u | 0.1243 |
| Al 308.215 | 174.967 | 170.010 | 169.200 |
| As 188.980 | 6.8857 | 3.5993 | 1.9172 |
| B 249.678 | -28.2355u | -29.2668u | -28.8603u |
| Ba 389.178 | 24.8775 | 25.4824 | 25.5075 |
| Be 313.042 | 0.0878 | 0.0955 | 0.0849 |
| Ca 370.602 | 730.9 | 724.3 | 726.8 |
| Cd 226.502 | -0.2760u | -0.1796u | -0.1659u |
| Co 228.615 | 1.6237 | 2.4766 | 1.8005 |
| Cr 267.716 | 0.4475 | 0.4278 | 0.3244 |
| Cu 324.754 | 3.0071 | 2.6596 | 2.8192 |
| Fe 271.441 | 48.5952 | 46.1739 | 53.3331 |
| K 766.491 | 629.799 | 627.669 | 632.314 |
| Mg 279.078 | 524.811 | 520.149 | 534.538 |
| Mn 257.610 | 11.7687 | 11.7170 | 11.8229 |
| Mo 202.032 | -0.8401u | -1.1422u | -1.7088u |
| Na 330.237 | 1172.73 | 1180.49 | 1102.61 |
| Ni 231.604 | 2.3503 | 2.6771 | 1.0941 |
| Pb 220.353 | -2.5865u | -2.3819u | -4.3625u |
| Sb 206.834 | -2.7021u | -1.0167u | -1.9648u |
| Se 196.026 | 1.0219 | 4.0159 | -6.2273u |
| Sn 189.925 | 3.6461 | -1.2323u | -0.3568u |
| Sr 216.596 | 6.6930 | 7.5128 | 6.9329 |
| Ti 334.941 | 1.8261 | 1.8058 | 1.8477 |
| Tl 190.794 | 1.5100 | -2.6446u | -2.4148u |
| V 292.401 | 1.4703 | 1.1588 | 1.4291 |
| Zn 206.200 | 6.2118 | 7.5284 | 7.4243 |

| Label | Sol'n Conc. | Units | SD | %RSD | Int. (c/s) |
|------------|-------------|-------|---------|--------|------------|
| Ag 328.068 | -0.1292 | ppb | 0.4666 | 361.2 | -37.7080 |
| Al 308.215 | 171.392 | ppb | 3.1222 | 1.8 | 299.201 |
| As 188.980 | 4.1341 | ppb | 2.5271 | 61.1 | -8.7691 |
| B 249.678 | -28.7876 | ppb | 0.5195 | 1.8 | 171.255 |
| Ba 389.178 | 25.2891 | ppb | 0.3567 | 1.4 | 430.539 |
| Be 313.042 | 0.0894 | ppb | 0.0055 | 6.2 | -179.518 |
| Ca 370.602 | 727.3 | ppb | 3.314 | 0.5 | 1715 |
| Cd 226.502 | -0.2072 | ppb | 0.0600 | 28.9 | 28.6987 |
| Co 228.615 | 1.9669 | ppb | 0.4501 | 22.9 | 9.6536 |
| Cr 267.716 | 0.3999 | ppb | 0.0661 | 16.5 | -16.9315 |
| Cu 324.754 | 2.8286 | ppb | 0.1739 | 6.1 | 276.441 |
| Fe 271.441 | 49.3674 | ppb | 3.6415 | 7.4 | 99.9115 |
| K 766.491 | 629.927 | ppb | 2.3254 | 0.4 | 17322.6 |
| Mg 279.078 | 526.499 | ppb | 7.3416 | 1.4 | 987.183 |
| Mn 257.610 | 11.7695 | ppb | 0.0529 | 0.4 | 2484.74 |
| Mo 202.032 | -1.2303 | ppb | 0.4410 | 35.8 | 13.0292 |
| Na 330.237 | 1151.94 | ppb | 42.8982 | 3.7 | 103.514 |
| Ni 231.604 | 2.0405 | ppb | 0.8357 | 41.0 | -2.7982 |
| Pb 220.353 | -3.1103 | ppb | 1.0892 | 35.0 | 29.3495 |
| Sb 206.834 | -1.8945 | ppb | 0.8449 | 44.6 | -2.3235 |
| Se 196.026 | -0.3965 | ppb | 5.2668 | 1328.3 | 9.2357 |
| Sn 189.925 | 0.6857 | ppb | 2.6009 | 379.3 | -7.6875 |
| Sr 216.596 | 7.0462 | ppb | 0.4215 | 6.0 | 81.8064 |
| Ti 334.941 | 1.8265 | ppb | 0.0210 | 1.1 | 371.763 |
| Tl 190.794 | -1.1832 | ppb | 2.3351 | 197.4 | -11.3701 |
| V 292.401 | 1.3527 | ppb | 0.1692 | 12.5 | 24.5370 |
| Zn 206.200 | 7.0548 | ppb | 0.7320 | 10.4 | 9.2989 |

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

680-89361-a-2-c (Samp) 4/24/2013, 9:13:04 PM Rack 1, Tube 60

Weight: 1 Volume: 1 Dilution: 1

| Label | Replicates Concentration | | |
|------------|--------------------------|-----------|-----------|
| Ag 328.068 | -0.2687u | 0.2031 | -0.2870u |
| Al 308.215 | 246.579 | 249.269 | 248.747 |
| As 188.980 | 1.6889 | 0.9349 | -4.9164u |
| B 249.678 | -31.1495u | -30.6953u | -30.0429u |
| Ba 389.178 | 27.2940 | 25.0400 | 24.5895 |
| Be 313.042 | 0.1037 | 0.1038 | 0.0920 |
| Ca 370.602 | 781.3 | 785.8 | 783.1 |
| Cd 226.502 | -0.1361u | -0.0343u | -0.3748u |
| Co 228.615 | 1.2904 | 1.6571 | 1.5726 |
| Cr 267.716 | 0.6217 | 0.2826 | 0.2432 |
| Cu 324.754 | 3.3080 | 3.8794 | 3.6968 |
| Fe 271.441 | 81.5629 | 87.4075 | 79.5055 |
| K 766.491 | 590.641 | 588.511 | 587.489 |
| Mg 279.078 | 577.478 | 581.091 | 582.499 |
| Mn 257.610 | 13.3797 | 13.3894 | 13.3853 |
| Mo 202.032 | -1.1142u | -1.1638u | -1.1536u |
| Na 330.237 | 1292.47 | 1362.41 | 1341.82 |
| Ni 231.604 | 1.0360 | 1.6327 | 1.7091 |
| Pb 220.353 | -2.8364u | -0.2075u | 0.7791 |
| Sb 206.834 | -1.2690u | -5.5605u | 1.2937 |
| Se 196.026 | -4.5361u | 6.4041 | 2.2012 |
| Sn 189.925 | 1.4445 | 3.2716 | 3.6272 |
| Sr 216.596 | 7.7024 | 7.7883 | 6.9076 |
| Ti 334.941 | 2.5220 | 2.5066 | 2.3740 |
| Tl 190.794 | -5.3661u | 0.7761 | -4.4711u |
| V 292.401 | 1.8316 | 1.4661 | 1.7352 |
| Zn 206.200 | 12.7072 | 9.4357 | 8.9094 |

| Label | Sol'n Conc. | Units | SD | %RSD | Int. (c/s) |
|------------|-------------|-------|---------|-------|------------|
| Ag 328.068 | -0.1175 | ppb | 0.2778 | 236.5 | -36.9411 |
| Al 308.215 | 248.198 | ppb | 1.4264 | 0.6 | 447.970 |
| As 188.980 | -0.7642 | ppb | 3.6156 | 473.1 | -10.8052 |
| B 249.678 | -30.6292 | ppb | 0.5563 | 1.8 | 151.485 |
| Ba 389.178 | 25.6411 | ppb | 1.4490 | 5.7 | 437.102 |
| Be 313.042 | 0.0998 | ppb | 0.0068 | 6.8 | -163.373 |
| Ca 370.602 | 783.4 | ppb | 2.237 | 0.3 | 1846 |
| Cd 226.502 | -0.1817 | ppb | 0.1748 | 96.2 | 29.5632 |
| Co 228.615 | 1.5067 | ppb | 0.1920 | 12.7 | 5.6936 |
| Cr 267.716 | 0.3825 | ppb | 0.2081 | 54.4 | -17.4040 |
| Cu 324.754 | 3.6281 | ppb | 0.2918 | 8.0 | 313.697 |
| Fe 271.441 | 82.8253 | ppb | 4.0995 | 4.9 | 148.513 |
| K 766.491 | 588.880 | ppb | 1.6078 | 0.3 | 16206.4 |
| Mg 279.078 | 580.356 | ppb | 2.5900 | 0.4 | 1084.76 |
| Mn 257.610 | 13.3848 | ppb | 0.0049 | 0.0 | 2818.85 |
| Mo 202.032 | -1.1439 | ppb | 0.0262 | 2.3 | 13.5665 |
| Na 330.237 | 1332.23 | ppb | 35.9381 | 2.7 | 110.552 |
| Ni 231.604 | 1.4592 | ppb | 0.3686 | 25.3 | -4.1377 |
| Pb 220.353 | -0.7549 | ppb | 1.8689 | 247.6 | 32.3929 |
| Sb 206.834 | -1.8452 | ppb | 3.4633 | 187.7 | -2.2761 |
| Se 196.026 | 1.3564 | ppb | 5.5188 | 406.9 | 9.9944 |
| Sn 189.925 | 2.7811 | ppb | 1.1711 | 42.1 | -6.3554 |
| Sr 216.596 | 7.4661 | ppb | 0.4856 | 6.5 | 85.3950 |
| Ti 334.941 | 2.4675 | ppb | 0.0814 | 3.3 | 511.514 |
| Tl 190.794 | -3.0204 | ppb | 3.3182 | 109.9 | -12.8875 |
| V 292.401 | 1.6776 | ppb | 0.1894 | 11.3 | 32.0506 |
| Zn 206.200 | 10.3507 | ppb | 2.0576 | 19.9 | 12.3814 |

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Cont Calib Verif (CCV) 4/24/2013, 9:18:39 PM Rack 2, Tube 1
 Weight: 1 Volume: 1 Dilution: 1

| Label | Replicates Concentration | | |
|------------|--------------------------|---------|---------|
| Ag 328.068 | 484.936 | 490.059 | 488.378 |
| Al 308.215 | 4933.04 | 4931.00 | 4948.35 |
| As 188.980 | 500.433 | 491.389 | 489.062 |
| B 249.678 | 472.765 | 474.339 | 477.072 |
| Ba 389.178 | 5121.00 | 5108.10 | 5089.63 |
| Be 313.042 | 521.046 | 517.886 | 516.502 |
| Ca 370.602 | 4979 | 4962 | 4962 |
| Cd 226.502 | 514.627 | 514.252 | 514.572 |
| Co 228.615 | 518.945 | 519.538 | 516.654 |
| Cr 267.716 | 5147.48 | 5141.65 | 5152.45 |
| Cu 324.754 | 4820.19 | 5127.55 | 5113.24 |
| Fe 271.441 | 4934.83 | 4917.02 | 4918.38 |
| K 766.491 | 10072.6 | 10009.5 | 9988.59 |
| Mg 279.078 | 4982.17 | 4972.11 | 4965.57 |
| Mn 257.610 | 5178.02 | 5193.61 | 5154.87 |
| Mo 202.032 | 491.921 | 491.879 | 493.103 |
| Na 330.237 | 7243.61 | 7496.10 | 7317.18 |
| Ni 231.604 | 2598.90 | 2601.28 | 2603.98 |
| Pb 220.353 | 497.875 | 498.045 | 494.474 |
| Sb 206.834 | 945.640 | 956.390 | 951.769 |
| Se 196.026 | 4956.40 | 4956.22 | 4956.18 |
| Sn 189.925 | 5023.15 | 5019.20 | 5019.66 |
| Sr 216.596 | 2507.89 | 2506.13 | 2510.72 |
| Ti 334.941 | 497.838 | 496.664 | 495.853 |
| Tl 190.794 | 5008.21 | 5022.28 | 5008.39 |
| V 292.401 | 4960.49 | 4949.69 | 4930.86 |
| Zn 206.200 | 2584.24 | 2555.28 | 2574.35 |

| Label | Sol'n Conc. | Units | SD | %RSD | Int. (c/s) | QC Value |
|------------|-------------|-------|---------|------|------------|-----------|
| Ag 328.068 | 487.791 | ppb | 2.6115 | 0.5 | 31835.3 | 97.55812 |
| Al 308.215 | 4937.46 | ppb | 9.4813 | 0.2 | 9523.65 | 98.74923 |
| As 188.980 | 493.628 | ppb | 6.0069 | 1.2 | 194.667 | 98.72560 |
| B 249.678 | 474.725 | ppb | 2.1795 | 0.5 | 5562.41 | 18.98902Q |
| Ba 389.178 | 5106.24 | ppb | 15.7688 | 0.3 | 93111.7 | 102.12483 |
| Be 313.042 | 518.478 | ppb | 2.3289 | 0.4 | 799792 | 103.69556 |
| Ca 370.602 | 4968 | ppb | 9.941 | 0.2 | 11656 | 99.35251 |
| Cd 226.502 | 514.484 | ppb | 0.2026 | 0.0 | 15697.8 | 102.89677 |
| Co 228.615 | 518.379 | ppb | 1.5229 | 0.3 | 4476.03 | 103.67587 |
| Cr 267.716 | 5147.19 | ppb | 5.4061 | 0.1 | 141808 | 102.94384 |
| Cu 324.754 | 5020.33 | ppb | 173.468 | 3.5 | 234075 | 100.40653 |
| Fe 271.441 | 4923.41 | ppb | 9.9144 | 0.2 | 7281.04 | 98.46812 |
| K 766.491 | 10023.6 | ppb | 43.7436 | 0.4 | 272773 | 100.23566 |
| Mg 279.078 | 4973.28 | ppb | 8.3610 | 0.2 | 8975.24 | 99.46568 |
| Mn 257.610 | 5175.50 | ppb | 19.4932 | 0.4 | 1069468 | 103.50997 |
| Mo 202.032 | 492.301 | ppb | 0.6947 | 0.1 | 3082.18 | 98.46026 |
| Na 330.237 | 7352.30 | ppb | 129.852 | 1.8 | 327.951 | 98.03061 |
| Ni 231.604 | 2601.39 | ppb | 2.5439 | 0.1 | 5989.48 | 104.05548 |
| Pb 220.353 | 496.798 | ppb | 2.0142 | 0.4 | 675.447 | 99.35962 |
| Sb 206.834 | 951.266 | ppb | 5.3928 | 0.6 | 902.753 | 95.12661 |
| Se 196.026 | 4956.27 | ppb | 0.1184 | 0.0 | 2154.31 | 99.12531 |
| Sn 189.925 | 5020.67 | ppb | 2.1589 | 0.0 | 3183.44 | 100.41344 |
| Sr 216.596 | 2508.25 | ppb | 2.3157 | 0.1 | 21314.2 | 100.32988 |
| Ti 334.941 | 496.785 | ppb | 0.9983 | 0.2 | 108152 | 99.35704 |
| Tl 190.794 | 5012.96 | ppb | 8.0715 | 0.2 | 4117.75 | 100.25921 |
| V 292.401 | 4947.01 | ppb | 14.9974 | 0.3 | 113668 | 98.94028 |
| Zn 206.200 | 2571.29 | ppb | 14.7205 | 0.6 | 2398.25 | 102.85175 |

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

Cont Calib Blank (CCB) 4/24/2013, 9:24:14 PM Rack 2, Tube 2
 Weight: 1 Volume: 1 Dilution: 1

| Label | Replicates Concentration | | |
|------------|--------------------------|-----------|-----------|
| Ag 328.068 | 0.2244 | 0.1337 | -0.0205u |
| Al 308.215 | 0.7374 | 1.7995 | -3.0292u |
| As 188.980 | 3.8126 | 6.5152 | 0.8087 |
| B 249.678 | -24.8455u | -26.0888u | -27.8311u |
| Ba 389.178 | -0.1268u | 1.2807 | 1.1210 |
| Be 313.042 | -0.0019u | 0.0039 | 0.0048 |
| Ca 370.602 | 4.796 | 8.119 | 1.310 |
| Cd 226.502 | -0.0171u | 0.0613 | -0.0920u |
| Co 228.615 | 0.5684 | -0.5946u | 0.4115 |
| Cr 267.716 | -0.1050u | 0.0647 | 0.0530 |
| Cu 324.754 | 0.8060 | -0.2526u | 0.1081 |
| Fe 271.441 | 0.2273 | -6.0629u | -0.1593u |
| K 766.491 | -0.6906u | -1.6127u | -0.3327u |
| Mg 279.078 | 4.8186 | -2.4804u | -2.0338u |
| Mn 257.610 | -0.0803u | -0.0837u | -0.0888u |
| Mo 202.032 | -1.2055u | -1.1423u | -1.2463u |
| Na 330.237 | 65.5097 | -80.0890u | -312.666u |
| Ni 231.604 | 1.9825 | 2.1357 | -0.3426u |
| Pb 220.353 | -3.7546u | -2.2182u | -1.4354u |
| Sb 206.834 | -0.5747u | -2.0406u | 0.2615 |
| Se 196.026 | 3.9612 | 2.4123 | 4.6112 |
| Sn 189.925 | -3.6789u | -0.3794u | 0.8186 |
| Sr 216.596 | -0.7201u | 0.0185 | -0.3176u |
| Ti 334.941 | -0.0261u | -0.0728u | -0.0470u |
| Tl 190.794 | -1.6698u | -3.9385u | 2.5279 |
| V 292.401 | 0.0447 | -0.0762u | -0.1547u |
| Zn 206.200 | -3.3364u | -0.8885u | -0.1564u |

| Label | Sol'n Conc. | Units | SD | %RSD | Int. (c/s) | QC Value |
|------------|-------------|-------|---------|--------|------------|------------|
| Ag 328.068 | 0.1125 | ppb | 0.1238 | 110.0 | -21.6358 | 0.11254 |
| Al 308.215 | -0.1641 | ppb | 2.5374 | 1546.2 | -33.1139 | -0.16410 |
| As 188.980 | 3.7121 | ppb | 2.8546 | 76.9 | -8.9448 | 3.71215 |
| B 249.678 | -26.2551 | ppb | 1.4997 | 5.7 | 198.448 | -26.25513 |
| Ba 389.178 | 0.7583 | ppb | 0.7706 | 101.6 | -17.9478 | 0.75830 |
| Be 313.042 | 0.0023 | ppb | 0.0036 | 157.7 | -313.934 | 0.00230 |
| Ca 370.602 | 4.742 | ppb | 3.405 | 71.8 | 8.449 | 4.74176 |
| Cd 226.502 | -0.0159 | ppb | 0.0766 | 481.5 | 34.3611 | -0.01592 |
| Co 228.615 | 0.1284 | ppb | 0.6310 | 491.4 | -6.2545 | 0.12843 |
| Cr 267.716 | 0.0043 | ppb | 0.0948 | 2223.5 | -27.8805 | 0.00426 |
| Cu 324.754 | 0.2205 | ppb | 0.5382 | 244.1 | 154.887 | 0.22052 |
| Fe 271.441 | -1.9983 | ppb | 3.5253 | 176.4 | 25.1894 | -1.99827 |
| K 766.491 | -0.8786 | ppb | 0.6604 | 75.2 | 168.474 | -0.87864 |
| Mg 279.078 | 0.1014 | ppb | 4.0913 | 4033.1 | 33.3011 | 0.10144 |
| Mn 257.610 | -0.0843 | ppb | 0.0043 | 5.1 | 32.5972 | -0.08427 |
| Mo 202.032 | -1.1980 | ppb | 0.0524 | 4.4 | 13.2353 | -1.19801 |
| Na 330.237 | -109.082 | ppb | 190.747 | 174.9 | 54.1528 | -109.08167 |
| Ni 231.604 | 1.2585 | ppb | 1.3887 | 110.3 | -4.6018 | 1.25854 |
| Pb 220.353 | -2.4694 | ppb | 1.1798 | 47.8 | 30.1795 | -2.46938 |
| Sb 206.834 | -0.7846 | ppb | 1.1653 | 148.5 | -1.3209 | -0.78462 |
| Se 196.026 | 3.6616 | ppb | 1.1297 | 30.9 | 10.9881 | 3.66155 |
| Sn 189.925 | -1.0799 | ppb | 2.3291 | 215.7 | -8.8104 | -1.07987 |
| Sr 216.596 | -0.3397 | ppb | 0.3698 | 108.9 | 18.9045 | -0.33974 |
| Ti 334.941 | -0.0486 | ppb | 0.0234 | 48.0 | -38.2968 | -0.04865 |
| Tl 190.794 | -1.0268 | ppb | 3.2808 | 319.5 | -11.2259 | -1.02681 |
| V 292.401 | -0.0621 | ppb | 0.1005 | 161.8 | -8.0470 | -0.06208 |
| Zn 206.200 | -1.4604 | ppb | 1.6653 | 114.0 | 257.3348 | -1.46043 |

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680-89361-a-3-c (Samp)

4/24/2013, 9:29:49 PM

Rack 2, Tube 3

Weight: 1

Volume: 1

Dilution: 1

| Label | Replicates Concentration | | |
|------------|--------------------------|-----------|-----------|
| Ag 328.068 | -0.0782u | 0.2543 | 0.1173 |
| Al 308.215 | 9.3540 | 7.8215 | 2.2923 |
| As 188.980 | 9.6469 | -4.0418u | -6.5159u |
| B 249.678 | -32.8856u | -33.4322u | -33.7951u |
| Ba 389.178 | 0.3016 | -0.2023u | 0.6238 |
| Be 313.042 | 0.0069 | -0.0001u | -0.0025u |
| Ca 370.602 | 8.892 | 4.933 | 5.719 |
| Cd 226.502 | -0.0957u | -0.1273u | -0.4162u |
| Co 228.615 | -0.4203u | 0.3555 | 0.2812 |
| Cr 267.716 | -0.0392u | 0.4309 | 0.1486 |
| Cu 324.754 | -0.2634u | -0.7649u | -0.1921u |
| Fe 271.441 | -2.0130u | -1.0733u | 0.3075 |
| K 766.491 | 0.3478 | -0.0661u | -0.0435u |
| Mg 279.078 | -1.2821u | 5.4621 | 0.4014 |
| Mn 257.610 | -0.0337u | 0.0125 | -0.0223u |
| Mo 202.032 | -1.7540u | -0.7247u | -1.2416u |
| Na 330.237 | -146.383u | -202.474u | -28.0607u |
| Ni 231.604 | 2.0733 | 0.9469 | 0.6603 |
| Pb 220.353 | -3.9028u | -1.4528u | 0.9176 |
| Sb 206.834 | -1.9499u | -5.2055u | -1.5837u |
| Se 196.026 | -2.6596u | -2.2374u | 2.4530 |
| Sn 189.925 | -4.7195u | 2.4800 | 2.3588 |
| Sr 216.596 | -0.1623u | 0.5949 | 0.5892 |
| Ti 334.941 | -0.0619u | -0.1724u | -0.0667u |
| Tl 190.794 | 0.3931 | -3.8896u | -0.4324u |
| V 292.401 | -0.1642u | -0.0657u | -0.1328u |
| Zn 206.200 | 1.8861 | 1.8143 | 3.0231 |

| Label | Sol'n Conc. | Units | SD | %RSD | Int. (c/s) |
|------------|-------------|-------|---------|---------|------------|
| Ag 328.068 | 0.0978 | ppb | 0.1671 | 170.9 | -22.6213 |
| Al 308.215 | 6.4893 | ppb | 3.7146 | 57.2 | -20.2236 |
| As 188.980 | -0.3036 | ppb | 8.7058 | 2867.7 | -10.6142 |
| B 249.678 | -33.3710 | ppb | 0.4578 | 1.4 | 122.183 |
| Ba 389.178 | 0.2410 | ppb | 0.4164 | 172.8 | -27.3780 |
| Be 313.042 | 0.0014 | ppb | 0.0049 | 342.2 | -315.292 |
| Ca 370.602 | 6.515 | ppb | 2.096 | 32.2 | 12.62 |
| Cd 226.502 | -0.2131 | ppb | 0.1766 | 82.9 | 28.3663 |
| Co 228.615 | 0.0722 | ppb | 0.4281 | 593.1 | -6.7405 |
| Cr 267.716 | 0.1801 | ppb | 0.2367 | 131.4 | -23.0323 |
| Cu 324.754 | -0.4068 | ppb | 0.3122 | 76.7 | 125.655 |
| Fe 271.441 | -0.9263 | ppb | 1.1672 | 126.0 | 26.7842 |
| K 766.491 | 0.0794 | ppb | 0.2327 | 293.1 | 194.527 |
| Mg 279.078 | 1.5271 | ppb | 3.5102 | 229.9 | 35.8830 |
| Mn 257.610 | -0.0145 | ppb | 0.0241 | 166.2 | 47.0213 |
| Mo 202.032 | -1.2401 | ppb | 0.5147 | 41.5 | 12.9729 |
| Na 330.237 | -125.640 | ppb | 89.0380 | 70.9 | 53.4901 |
| Ni 231.604 | 1.2269 | ppb | 0.7469 | 60.9 | -4.6748 |
| Pb 220.353 | -1.4793 | ppb | 2.4103 | 162.9 | 31.4591 |
| Sb 206.834 | -2.9131 | ppb | 1.9938 | 68.4 | -3.2437 |
| Se 196.026 | -0.8147 | ppb | 2.8377 | 348.3 | 9.0520 |
| Sn 189.925 | 0.0398 | ppb | 4.1220 | 10366.7 | -8.0986 |
| Sr 216.596 | 0.3406 | ppb | 0.4355 | 127.9 | 24.6994 |
| Ti 334.941 | -0.1004 | ppb | 0.0625 | 62.2 | -49.5537 |
| Tl 190.794 | -1.3097 | ppb | 2.2721 | 173.5 | -11.4590 |
| V 292.401 | -0.1209 | ppb | 0.0503 | 41.6 | -9.4170 |
| Zn 206.200 | 2.2412 | ppb | 0.6781 | 20.3 | 4.7967 |

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

680-89361-a-4-c (Samp) 4/24/2013, 9:35:34 PM Rack 2, Tube 4
 Weight: 1 Volume: 1 Dilution: 1

| Label | Replicates Concentration | | |
|------------|--------------------------|-----------|-----------|
| Ag 328.068 | 0.3584 | -0.2129u | -0.3719u |
| Al 308.215 | 323.391 | 326.565 | 327.376 |
| As 188.980 | 3.5628 | 6.1722 | 1.1297 |
| B 249.678 | -29.0056u | -29.7396u | -29.9163u |
| Ba 389.178 | 21.9158 | 22.9190 | 23.5090 |
| Be 313.042 | 0.0515 | 0.0524 | 0.0585 |
| Ca 370.602 | 869.3 | 867.1 | 866.4 |
| Cd 226.502 | -0.1311u | -0.4005u | -0.2402u |
| Co 228.615 | 0.3988 | 0.1608 | -0.6880u |
| Cr 267.716 | 0.8733 | 0.7417 | 0.8087 |
| Cu 324.754 | 1.0696 | 2.1891 | 2.1558 |
| Fe 271.441 | 282.383 | 290.841 | 286.507 |
| K 766.491 | 796.740 | 792.173 | 791.378 |
| Mg 279.078 | 381.225 | 385.668 | 385.939 |
| Mn 257.610 | 12.1452 | 12.1003 | 12.2249 |
| Mo 202.032 | -1.4904u | -1.5252u | -1.3600u |
| Na 330.237 | 736.838 | 582.099 | 732.854 |
| Ni 231.604 | -0.0467u | 0.7774 | 1.5771 |
| Pb 220.353 | 0.2915 | -2.8169u | 0.1944 |
| Sb 206.834 | 2.3742 | 1.0440 | -3.7931u |
| Se 196.026 | -2.1821u | 0.7483 | -3.5052u |
| Sn 189.925 | 3.8766 | -0.2188u | -0.7435u |
| Sr 216.596 | 6.7486 | 7.3327 | 7.2975 |
| Ti 334.941 | 1.2919 | 1.2408 | 1.2862 |
| Tl 190.794 | -3.3428u | -6.1676u | -4.0923u |
| V 292.401 | 2.5630 | 2.5297 | 3.2235 |
| Zn 206.200 | 4.0860 | 3.8509 | 7.2207 |

| Label | Sol'n Conc. | Units | SD | %RSD | Int. (c/s) |
|------------|-------------|-------|---------|--------|------------|
| Ag 328.068 | -0.0755 | ppb | 0.3840 | 508.8 | -34.2073 |
| Al 308.215 | 325.778 | ppb | 2.1059 | 0.6 | 598.223 |
| As 188.980 | 3.6216 | ppb | 2.5217 | 69.6 | -8.9805 |
| B 249.678 | -29.5538 | ppb | 0.4829 | 1.6 | 162.788 |
| Ba 389.178 | 22.7813 | ppb | 0.8055 | 3.5 | 384.779 |
| Be 313.042 | 0.0541 | ppb | 0.0038 | 7.0 | -233.851 |
| Ca 370.602 | 867.6 | ppb | 1.514 | 0.2 | 2032 |
| Cd 226.502 | -0.2573 | ppb | 0.1355 | 52.7 | 27.9210 |
| Co 228.615 | -0.0428 | ppb | 0.5713 | 1335.0 | -7.7050 |
| Cr 267.716 | 0.8079 | ppb | 0.0658 | 8.1 | -5.6670 |
| Cu 324.754 | 1.8048 | ppb | 0.6369 | 35.3 | 228.768 |
| Fe 271.441 | 286.577 | ppb | 4.2294 | 1.5 | 444.043 |
| K 766.491 | 793.430 | ppb | 2.8936 | 0.4 | 21768.9 |
| Mg 279.078 | 384.277 | ppb | 2.6465 | 0.7 | 729.406 |
| Mn 257.610 | 12.1568 | ppb | 0.0631 | 0.5 | 2564.60 |
| Mo 202.032 | -1.4586 | ppb | 0.0871 | 6.0 | 11.5936 |
| Na 330.237 | 683.931 | ppb | 88.2108 | 12.9 | 85.1314 |
| Ni 231.604 | 0.7693 | ppb | 0.8119 | 105.5 | -5.7244 |
| Pb 220.353 | -0.7770 | ppb | 1.7673 | 227.4 | 32.3644 |
| Sb 206.834 | -0.1250 | ppb | 3.2456 | 2597.3 | -0.7112 |
| Se 196.026 | -1.6463 | ppb | 2.1767 | 132.2 | 8.6964 |
| Sn 189.925 | 0.9715 | ppb | 2.5296 | 260.4 | -7.5059 |
| Sr 216.596 | 7.1263 | ppb | 0.3275 | 4.6 | 82.6014 |
| Ti 334.941 | 1.2730 | ppb | 0.0280 | 2.2 | 250.794 |
| Tl 190.794 | -4.5343 | ppb | 1.4633 | 32.3 | -14.1429 |
| V 292.401 | 2.7721 | ppb | 0.3913 | 14.1 | 57.2990 |
| Zn 206.200 | 5.0525 | ppb | 1.8813 | 37.2 | 7.4254 |

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680-89361-a-5-c (Samp)

4/24/2013, 9:41:10 PM

Rack 2, Tube 5

Weight: 1

Volume: 1

Dilution: 1

| Label | Replicates Concentration | | |
|------------|--------------------------|-----------|-----------|
| Ag 328.068 | -0.2493u | 0.0879 | -0.3845u |
| Al 308.215 | 1690.75 | 1561.11 | 1730.03 |
| As 188.980 | 0.3433 | -2.8816u | 0.2338 |
| B 249.678 | -31.8730u | -33.1662u | -32.9456u |
| Ba 389.178 | 20.5826 | 20.4138 | 21.0088 |
| Be 313.042 | 0.1323 | 0.1224 | 0.1345 |
| Ca 370.602 | 6973 | 6507 | 7130 |
| Cd 226.502 | -0.1924 | -0.2986 | -0.2593 |
| Co 228.615 | 5.2021 | 4.9274 | 3.7268 |
| Cr 267.716 | 3.8276 | 3.6494 | 3.9357 |
| Cu 324.754 | 6.0564 | 5.1002 | 5.6491 |
| Fe 271.441 | 5885.17 | 5461.81 | 6003.50 |
| K 766.491 | 2294.72 | 2135.06 | 2306.95 |
| Mg 279.078 | 9936.86 | 9259.60 | 10127.1 |
| Mn 257.610 | 418.254 | 392.709 | 425.154 |
| Mo 202.032 | -1.0191u | -0.6024u | -0.9510u |
| Na 330.237 | 4496.39 | 4009.27 | 4342.58 |
| Ni 231.604 | 4.9041 | 5.7428 | 5.7551 |
| Pb 220.353 | 2.6814 | -3.1124u | -1.1638u |
| Sb 206.834 | -0.8983u | -4.1823u | -1.0571u |
| Se 196.026 | -0.6666u | 7.2680 | 1.5139 |
| Sn 189.925 | 0.4456 | 1.1378 | -0.5451u |
| Sr 216.596 | 44.2013 | 41.0035 | 45.2768 |
| Ti 334.941 | 19.9160 | 18.5545 | 20.4505 |
| Tl 190.794 | -4.3730u | -1.3792u | 0.3047u |
| V 292.401 | 5.0569 | 4.9533 | 5.1567 |
| Zn 206.200 | 9.1941 | 6.7726 | 9.1285 |

| Label | Sol'n Conc. | Units | SD | %RSD | Int. (c/s) |
|------------|-------------|-------|---------|-------|------------|
| Ag 328.068 | -0.1820 | ppb | 0.2433 | 133.7 | -41.8591 |
| Al 308.215 | 1660.63 | ppb | 88.3937 | 5.3 | 3183.91 |
| As 188.980 | -0.7682 | ppb | 1.8311 | 238.4 | -10.7693 |
| B 249.678 | -32.6616 | ppb | 0.6918 | 2.1 | 123.599 |
| Ba 389.178 | 20.6684 | ppb | 0.3067 | 1.5 | 371.786 |
| Be 313.042 | 0.1297 | ppb | 0.0064 | 5.0 | -116.324 |
| Ca 370.602 | 6870 | ppb | 323.9 | 4.7 | 15907 |
| Cd 226.502 | -0.2501 | ppb | 0.0537 | 21.5 | 45.4128 |
| Co 228.615 | 4.6188 | ppb | 0.7846 | 17.0 | 32.7604 |
| Cr 267.716 | 3.8042 | ppb | 0.1446 | 3.8 | 78.6955 |
| Cu 324.754 | 5.6019 | ppb | 0.4798 | 8.6 | 407.237 |
| Fe 271.441 | 5783.49 | ppb | 284.799 | 4.9 | 8422.22 |
| K 766.491 | 2245.58 | ppb | 95.9064 | 4.3 | 61258.6 |
| Mg 279.078 | 9774.51 | ppb | 455.950 | 4.7 | 17743.9 |
| Mn 257.610 | 412.039 | ppb | 17.0924 | 4.1 | 85252.2 |
| Mo 202.032 | -0.8575 | ppb | 0.2235 | 26.1 | 15.1002 |
| Na 330.237 | 4282.74 | ppb | 249.014 | 5.8 | 224.799 |
| Ni 231.604 | 5.4673 | ppb | 0.4878 | 8.9 | 5.2065 |
| Pb 220.353 | -0.5316 | ppb | 2.9482 | 554.6 | 32.7217 |
| Sb 206.834 | -2.0459 | ppb | 1.8519 | 90.5 | -2.3145 |
| Se 196.026 | 2.7051 | ppb | 4.0992 | 151.5 | 10.6933 |
| Sn 189.925 | 0.3461 | ppb | 0.8459 | 244.4 | -7.9007 |
| Sr 216.596 | 43.4939 | ppb | 2.2228 | 5.1 | 394.199 |
| Ti 334.941 | 19.6403 | ppb | 0.9776 | 5.0 | 4283.23 |
| Tl 190.794 | -1.8158 | ppb | 2.3692 | 130.5 | -12.6160 |
| V 292.401 | 5.0556 | ppb | 0.1017 | 2.0 | 109.984 |
| Zn 206.200 | 8.3651 | ppb | 1.3795 | 16.5 | 10.5182 |

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680-89361-a-6-c (Samp) **4/24/2013, 9:46:45 PM** **Rack 2, Tube 6**
Weight: 1 **Volume: 1** **Dilution: 1**

| Label | Replicates Concentration | | |
|------------|--------------------------|-----------|-----------|
| Ag 328.068 | -1.9161u | -1.4697u | -1.7875u |
| Al 308.215 | 19084.9 | 17799.2 | 22030.8 |
| As 188.980 | 5.6421 | 16.5475 | 15.0361 |
| B 249.678 | -33.3884u | -34.3408u | -33.5059u |
| Ba 389.178 | 277.699 | 256.269 | 315.777 |
| Be 313.042 | 4.7695 | 4.4508 | 5.4587 |
| Ca 370.602 | 17204 | 16097 | 19524 |
| Cd 226.502 | 1.6566 | 1.1415 | 2.5529 |
| Co 228.615 | 35.7019 | 33.1939 | 39.3222 |
| Cr 267.716 | 27.5755 | 25.7891 | 31.1008 |
| Cu 324.754 | 171.559 | 156.952 | 200.332 |
| Fe 271.441 | 43211.1 | 40095.8 | 49476.3 |
| K 766.491 | 17957.9 | 17209.6 | 19714.9 |
| Mg 279.078 | 19015.1 | 17733.5 | 21771.5 |
| Mn 257.610 | 999.479 | 929.556 | 1139.54 |
| Mo 202.032 | -0.7688u | -0.6707u | -1.0736u |
| Na 330.237 | 3603.15 | 2881.42 | 3691.74 |
| Ni 231.604 | 32.2750 | 30.7629 | 37.7489 |
| Pb 220.353 | 46.1478 | 40.7152 | 57.4613 |
| Sb 206.834 | -0.9866 | -5.4936u | -4.9369u |
| Se 196.026 | -4.1880u | -7.6217u | -4.8255u |
| Sn 189.925 | 1.5233 | 2.9775 | 0.8598 |
| Sr 216.596 | 98.0956 | 91.2475 | 111.929 |
| Ti 334.941 | 75.4307 | 70.1076 | 86.4699 |
| Tl 190.794 | -3.9632u | 1.1686u | -2.8800u |
| V 292.401 | 68.8402 | 63.4799 | 77.8701 |
| Zn 206.200 | 540.328 | 511.625 | 624.701 |

| Label | Sol'n Conc. | Units | SD | %RSD | Int. (c/s) |
|------------|-------------|-------|---------|-------|------------|
| Ag 328.068 | -1.7244 | ppb | 0.2298 | 13.3 | -147.428 |
| Al 308.215 | 19638.3 | ppb | 2169.38 | 11.0 | 38007.1 |
| As 188.980 | 12.4086 | ppb | 5.9084 | 47.6 | -5.0386 |
| B 249.678 | -33.7450 | ppb | 0.5193 | 1.5 | 70.8644 |
| Ba 389.178 | 283.248 | ppb | 30.1399 | 10.6 | 5223.36 |
| Be 313.042 | 4.8930 | ppb | 0.5151 | 10.5 | 7237.00 |
| Ca 370.602 | 17609 | ppb | 1749 | 9.9 | 39000 |
| Cd 226.502 | 1.7837 | ppb | 0.7142 | 40.0 | 227.624 |
| Co 228.615 | 36.0727 | ppb | 3.0810 | 8.5 | 304.590 |
| Cr 267.716 | 28.1552 | ppb | 2.7029 | 9.6 | 756.288 |
| Cu 324.754 | 176.281 | ppb | 22.0722 | 12.5 | 8371.41 |
| Fe 271.441 | 44261.1 | ppb | 4777.58 | 10.8 | 64268.9 |
| K 766.491 | 18294.1 | ppb | 1286.09 | 7.0 | 497683 |
| Mg 279.078 | 19506.7 | ppb | 2063.37 | 10.6 | 35376.5 |
| Mn 257.610 | 1022.86 | ppb | 106.927 | 10.5 | 211607 |
| Mo 202.032 | -0.8377 | ppb | 0.2101 | 25.1 | 13.4588 |
| Na 330.237 | 3392.10 | ppb | 444.477 | 13.1 | 177.586 |
| Ni 231.604 | 33.5956 | ppb | 3.6755 | 10.9 | 70.7567 |
| Pb 220.353 | 48.1081 | ppb | 8.5434 | 17.8 | 95.4243 |
| Sb 206.834 | -3.8057 | ppb | 2.4572 | 64.6 | -2.8608 |
| Se 196.026 | -5.5451 | ppb | 1.8264 | 32.9 | 7.4544 |
| Sn 189.925 | 1.7869 | ppb | 1.0832 | 60.6 | -6.9823 |
| Sr 216.596 | 100.424 | ppb | 10.5355 | 10.5 | 891.472 |
| Ti 334.941 | 77.3361 | ppb | 8.3459 | 10.8 | 16883.4 |
| Tl 190.794 | -1.8916 | ppb | 2.7049 | 143.0 | -15.0061 |
| V 292.401 | 70.0634 | ppb | 7.2727 | 10.4 | 1607.74 |
| Zn 206.200 | 558.885 | ppb | 58.7778 | 10.5 | 525.376 |

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680-89361-a-7-c (Samp)

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

Rack 2, Tube 7

Weight: 1

Volume: 1

Dilution: 1

| Label | Replicates Concentration | | |
|------------|--------------------------|-----------|-----------|
| Ag 328.068 | -0.1728u | -0.1268u | 0.0775 |
| Al 308.215 | 528.019 | 531.483 | 528.610 |
| As 188.980 | 1.0379 | -3.7367u | -3.0567u |
| B 249.678 | -32.1431u | -32.6381u | -32.7516u |
| Ba 389.178 | 45.2084 | 44.1809 | 45.3204 |
| Be 313.042 | 0.1576 | 0.1504 | 0.1491 |
| Ca 370.602 | 903.4 | 892.2 | 892.4 |
| Cd 226.502 | -0.0831u | -0.1011u | -0.0358 |
| Co 228.615 | 0.4746 | 1.3904 | 0.4738 |
| Cr 267.716 | 1.0662 | 0.5161 | 0.6680 |
| Cu 324.754 | 3.2163 | 3.4925 | 3.0121 |
| Fe 271.441 | 403.590 | 392.718 | 388.465 |
| K 766.491 | 1043.12 | 1032.49 | 1027.71 |
| Mg 279.078 | 855.277 | 846.315 | 844.393 |
| Mn 257.610 | 19.3779 | 19.3383 | 19.1320 |
| Mo 202.032 | -1.5850u | -0.9660u | -0.5995u |
| Na 330.237 | 2749.32 | 2539.16 | 2467.54 |
| Ni 231.604 | 1.7259 | 0.3664 | 2.5910 |
| Pb 220.353 | -0.5830u | 0.9351 | 0.9797 |
| Sb 206.834 | -4.5395u | -0.4142u | -0.9926u |
| Se 196.026 | 1.0249 | -0.4627u | -3.8024u |
| Sn 189.925 | -1.0197u | -0.6761u | 3.3399 |
| Sr 216.596 | 10.4397 | 10.6248 | 10.4153 |
| Ti 334.941 | 5.0394 | 5.2716 | 5.0385 |
| Tl 190.794 | -6.7202u | -0.5168u | -5.5407u |
| V 292.401 | 4.2329 | 4.3903 | 4.3489 |
| Zn 206.200 | 6.1060 | 7.2956 | 5.4104 |

| Label | Sol'n Conc. | Units | SD | %RSD | Int. (c/s) |
|------------|-------------|-------|---------|-------|------------|
| Ag 328.068 | -0.0740 | ppb | 0.1332 | 179.9 | -34.2089 |
| Al 308.215 | 529.371 | ppb | 1.8528 | 0.4 | 992.613 |
| As 188.980 | -1.9185 | ppb | 2.5828 | 134.6 | -11.2830 |
| B 249.678 | -32.5109 | ppb | 0.3236 | 1.0 | 130.981 |
| Ba 389.178 | 44.9032 | ppb | 0.6280 | 1.4 | 789.278 |
| Be 313.042 | 0.1523 | ppb | 0.0046 | 3.0 | -82.5392 |
| Ca 370.602 | 896.0 | ppb | 6.425 | 0.7 | 2094 |
| Cd 226.502 | -0.0733 | ppb | 0.0337 | 46.0 | 33.8472 |
| Co 228.615 | 0.7796 | ppb | 0.5290 | 67.9 | -0.5476 |
| Cr 267.716 | 0.7501 | ppb | 0.2841 | 37.9 | -7.2133 |
| Cu 324.754 | 3.2403 | ppb | 0.2411 | 7.4 | 295.698 |
| Fe 271.441 | 394.924 | ppb | 7.8002 | 2.0 | 601.400 |
| K 766.491 | 1034.44 | ppb | 7.8881 | 0.8 | 28323.0 |
| Mg 279.078 | 848.662 | ppb | 5.8093 | 0.7 | 1570.96 |
| Mn 257.610 | 19.2828 | ppb | 0.1320 | 0.7 | 4039.67 |
| Mo 202.032 | -1.0502 | ppb | 0.4981 | 47.4 | 14.1329 |
| Na 330.237 | 2585.34 | ppb | 146.458 | 5.7 | 159.605 |
| Ni 231.604 | 1.5611 | ppb | 1.1214 | 71.8 | -3.8970 |
| Pb 220.353 | 0.4440 | ppb | 0.8896 | 200.4 | 33.9386 |
| Sb 206.834 | -1.9821 | ppb | 2.2336 | 112.7 | -2.3941 |
| Se 196.026 | -1.0801 | ppb | 2.4721 | 228.9 | 8.9434 |
| Sn 189.925 | 0.5480 | ppb | 2.4240 | 442.3 | -7.7746 |
| Sr 216.596 | 10.4933 | ppb | 0.1146 | 1.1 | 111.250 |
| Ti 334.941 | 5.1165 | ppb | 0.1343 | 2.6 | 1089.17 |
| Tl 190.794 | -4.2592 | ppb | 3.2943 | 77.3 | -13.9286 |
| V 292.401 | 4.3240 | ppb | 0.0816 | 1.9 | 93.0040 |
| Zn 206.200 | 6.2707 | ppb | 0.9533 | 15.2 | 259.5648 |

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680-89361-a-7-cSD^5 (Samp) **4/24/2013, 9:57:54 PM** **Rack 2, Tube 8****Weight: 1****Volume: 1****Dilution: 1**

| Label | Replicates Concentration | | |
|------------|--------------------------|-----------|-----------|
| Ag 328.068 | -0.0453u | 0.1492 | -0.1857u |
| Al 308.215 | 106.120 | 111.069 | 112.129 |
| As 188.980 | 6.0959 | -3.9235u | 4.4566 |
| B 249.678 | -36.3213u | -36.2582u | -35.5946u |
| Ba 389.178 | 9.3079 | 9.7610 | 9.2509 |
| Be 313.042 | 0.0279 | 0.0208 | 0.0186 |
| Ca 370.602 | 190.3 | 186.8 | 189.8 |
| Cd 226.502 | 0.0978 | -0.2457u | -0.1469u |
| Co 228.615 | 0.1467 | 0.4310 | 0.3249 |
| Cr 267.716 | 0.2803 | -0.1994u | 0.5184 |
| Cu 324.754 | 0.2923 | 0.3823 | 0.4678 |
| Fe 271.441 | 76.7945 | 82.8959 | 81.1044 |
| K 766.491 | 211.013 | 208.672 | 208.364 |
| Mg 279.078 | 174.912 | 172.070 | 176.083 |
| Mn 257.610 | 3.9189 | 3.8151 | 3.8461 |
| Mo 202.032 | -1.8498u | -1.3232u | -1.0236u |
| Na 330.237 | 498.958 | 493.579 | 558.536 |
| Ni 231.604 | 0.8199 | 1.6482 | 2.3392 |
| Pb 220.353 | 2.2366 | 4.5613 | -1.0015u |
| Sb 206.834 | 2.0023 | -3.4672u | 1.3835 |
| Se 196.026 | -7.5607u | 2.1904 | 2.1532 |
| Sn 189.925 | -0.2005u | -3.2121u | -0.9397u |
| Sr 216.596 | 1.7722 | 1.8682 | 2.3711 |
| Ti 334.941 | 0.8055 | 0.8262 | 0.8712 |
| Tl 190.794 | -3.7369u | -1.2941u | -7.5244u |
| V 292.401 | 0.5525 | 0.6838 | 0.7433 |
| Zn 206.200 | -0.0582u | 1.8153 | 0.3709 |

| Label | Sol'n Conc. | Units | SD | %RSD | Int. (c/s) |
|------------|-------------|-------|---------|---------|------------|
| Ag 328.068 | -0.0273 | ppb | 0.1681 | 616.2 | -30.8578 |
| Al 308.215 | 109.773 | ppb | 3.2077 | 2.9 | 179.829 |
| As 188.980 | 2.2097 | ppb | 5.3743 | 243.2 | -9.5688 |
| B 249.678 | -36.0580 | ppb | 0.4026 | 1.1 | 93.3016 |
| Ba 389.178 | 9.4399 | ppb | 0.2795 | 3.0 | 140.816 |
| Be 313.042 | 0.0224 | ppb | 0.0048 | 21.6 | -282.874 |
| Ca 370.602 | 189.0 | ppb | 1.933 | 1.0 | 439.7 |
| Cd 226.502 | -0.0983 | ppb | 0.1769 | 180.0 | 32.0991 |
| Co 228.615 | 0.3009 | ppb | 0.1436 | 47.7 | -4.7469 |
| Cr 267.716 | 0.1998 | ppb | 0.3656 | 183.0 | -22.4674 |
| Cu 324.754 | 0.3808 | ppb | 0.0878 | 23.0 | 162.367 |
| Fe 271.441 | 80.2649 | ppb | 3.1361 | 3.9 | 144.606 |
| K 766.491 | 209.350 | ppb | 1.4485 | 0.7 | 5885.42 |
| Mg 279.078 | 174.355 | ppb | 2.0639 | 1.2 | 349.061 |
| Mn 257.610 | 3.8600 | ppb | 0.0532 | 1.4 | 848.681 |
| Mo 202.032 | -1.3989 | ppb | 0.4183 | 29.9 | 11.9782 |
| Na 330.237 | 517.024 | ppb | 36.0506 | 7.0 | 78.6688 |
| Ni 231.604 | 1.6024 | ppb | 0.7607 | 47.5 | -3.8076 |
| Pb 220.353 | 1.9321 | ppb | 2.7939 | 144.6 | 35.8676 |
| Sb 206.834 | -0.0271 | ppb | 2.9952 | 11039.2 | -0.6340 |
| Se 196.026 | -1.0724 | ppb | 5.6191 | 524.0 | 8.9418 |
| Sn 189.925 | -1.4508 | ppb | 1.5695 | 108.2 | -9.0459 |
| Sr 216.596 | 2.0038 | ppb | 0.3217 | 16.1 | 38.8796 |
| Ti 334.941 | 0.8343 | ppb | 0.0336 | 4.0 | 154.533 |
| Tl 190.794 | -4.1851 | ppb | 3.1393 | 75.0 | -13.8371 |
| V 292.401 | 0.6598 | ppb | 0.0976 | 14.8 | 8.6230 |
| Zn 206.200 | 0.7093 | ppb | 0.9815 | 138.4 | 2.3643 |

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680-89361-a-7-cPDS (Samp) **4/24/2013, 10:03:30 PM** **Rack 2, Tube 9****Weight: 1****Volume: 1****Dilution: 1**

| Label | Replicates Concentration | | |
|------------|--------------------------|---------|---------|
| Ag 328.068 | 50.3702 | 51.0462 | 49.5746 |
| Al 308.215 | 2603.61 | 2629.90 | 2632.67 |
| As 188.980 | 2159.81 | 2151.20 | 2174.20 |
| B 249.678 | 987.130 | 989.935 | 990.093 |
| Ba 389.178 | 2186.63 | 2181.45 | 2175.16 |
| Be 313.042 | 54.0292 | 53.9791 | 53.7760 |
| Ca 370.602 | 6044 | 6062 | 6045 |
| Cd 226.502 | 54.2319 | 54.0292 | 53.7331 |
| Co 228.615 | 544.743 | 546.598 | 545.962 |
| Cr 267.716 | 213.779 | 216.081 | 216.035 |
| Cu 324.754 | 267.366 | 269.559 | 266.683 |
| Fe 271.441 | 1413.08 | 1405.80 | 1406.93 |
| K 766.491 | 6313.99 | 6280.13 | 6250.04 |
| Mg 279.078 | 6060.71 | 6060.20 | 6017.55 |
| Mn 257.610 | 570.889 | 569.640 | 567.258 |
| Mo 202.032 | 522.228 | 526.379 | 521.391 |
| Na 330.237 | 8045.03 | 8070.52 | 7787.09 |
| Ni 231.604 | 538.330 | 536.109 | 532.163 |
| Pb 220.353 | 513.404 | 521.662 | 509.950 |
| Sb 206.834 | 489.560 | 490.265 | 485.974 |
| Se 196.026 | 2045.28 | 2065.73 | 2038.37 |
| Sn 189.925 | 1053.09 | 1046.90 | 1059.68 |
| Sr 216.596 | 544.640 | 545.770 | 544.430 |
| Ti 334.941 | 1031.36 | 1033.00 | 1031.16 |
| Tl 190.794 | 2132.24 | 2137.01 | 2125.28 |
| V 292.401 | 520.252 | 518.521 | 516.621 |
| Zn 206.200 | 548.878 | 533.760 | 538.398 |

| Label | Sol'n Conc. | Units | SD | %RSD | Int. (c/s) |
|------------|-------------|-------|---------|------|------------|
| Ag 328.068 | 50.3303 | ppb | 0.7366 | 1.5 | 3247.49 |
| Al 308.215 | 2622.06 | ppb | 16.0337 | 0.6 | 5066.66 |
| As 188.980 | 2161.74 | ppb | 11.6194 | 0.5 | 888.102 |
| B 249.678 | 989.053 | ppb | 1.6667 | 0.2 | 11078.5 |
| Ba 389.178 | 2181.08 | ppb | 5.7470 | 0.3 | 39759.4 |
| Be 313.042 | 53.9281 | ppb | 0.1341 | 0.2 | 82842.9 |
| Ca 370.602 | 6050 | ppb | 10.34 | 0.2 | 14377 |
| Cd 226.502 | 53.9981 | ppb | 0.2508 | 0.5 | 1681.70 |
| Co 228.615 | 545.768 | ppb | 0.9424 | 0.2 | 4712.40 |
| Cr 267.716 | 215.298 | ppb | 1.3159 | 0.6 | 5905.10 |
| Cu 324.754 | 267.869 | ppb | 1.5025 | 0.6 | 12637.2 |
| Fe 271.441 | 1408.61 | ppb | 3.9185 | 0.3 | 2148.69 |
| K 766.491 | 6281.39 | ppb | 31.9915 | 0.5 | 171008 |
| Mg 279.078 | 6046.15 | ppb | 24.7714 | 0.4 | 10983.3 |
| Mn 257.610 | 569.262 | ppb | 1.8446 | 0.3 | 117708 |
| Mo 202.032 | 523.333 | ppb | 2.6713 | 0.5 | 3283.01 |
| Na 330.237 | 7967.55 | ppb | 156.801 | 2.0 | 361.216 |
| Ni 231.604 | 535.534 | ppb | 3.1235 | 0.6 | 1227.07 |
| Pb 220.353 | 515.005 | ppb | 6.0177 | 1.2 | 697.975 |
| Sb 206.834 | 488.600 | ppb | 2.3007 | 0.5 | 436.819 |
| Se 196.026 | 2049.79 | ppb | 14.2291 | 0.7 | 896.144 |
| Sn 189.925 | 1053.22 | ppb | 6.3910 | 0.6 | 661.397 |
| Sr 216.596 | 544.947 | ppb | 0.7207 | 0.1 | 4636.77 |
| Ti 334.941 | 1031.84 | ppb | 1.0121 | 0.1 | 224651 |
| Tl 190.794 | 2131.51 | ppb | 5.8981 | 0.3 | 1746.27 |
| V 292.401 | 518.465 | ppb | 1.8158 | 0.4 | 11858.4 |
| Zn 206.200 | 540.345 | ppb | 7.7445 | 1.4 | 507.695 |

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

680-89361-a-7-d ms (Samp) 4/24/2013, 10:09:06 PM Rack 2, Tube 10**Weight: 1****Volume: 1****Dilution: 1**

| Label | Replicates Concentration | | |
|------------|--------------------------|---------|---------|
| Ag 328.068 | 9.8703 | 10.0264 | 9.8286 |
| Al 308.215 | 5935.78 | 5912.33 | 5949.78 |
| As 188.980 | 118.689 | 110.171 | 108.024 |
| B 249.678 | 190.213 | 188.041 | 188.576 |
| Ba 389.178 | 151.314 | 150.263 | 150.821 |
| Be 313.042 | 55.0589 | 54.6780 | 54.9549 |
| Ca 370.602 | 5935 | 5910 | 5940 |
| Cd 226.502 | 54.9273 | 54.6335 | 54.2731 |
| Co 228.615 | 55.0946 | 55.4750 | 54.8807 |
| Cr 267.716 | 108.903 | 109.046 | 110.467 |
| Cu 324.754 | 112.860 | 109.311 | 108.719 |
| Fe 271.441 | 5527.53 | 5489.14 | 5522.26 |
| K 766.491 | 6249.59 | 6195.26 | 6212.94 |
| Mg 279.078 | 6016.41 | 5970.41 | 6009.00 |
| Mn 257.610 | 573.785 | 569.611 | 571.649 |
| Mo 202.032 | 102.489 | 102.417 | 103.537 |
| Na 330.237 | 8030.21 | 8122.35 | 8071.74 |
| Ni 231.604 | 109.865 | 109.939 | 108.017 |
| Pb 220.353 | 54.3124 | 54.8792 | 52.4316 |
| Sb 206.834 | 46.8108 | 47.9498 | 49.3735 |
| Se 196.026 | 100.095 | 105.550 | 105.789 |
| Sn 189.925 | 210.415 | 204.388 | 205.371 |
| Sr 216.596 | 115.893 | 115.668 | 116.270 |
| Ti 334.941 | 107.483 | 106.706 | 107.298 |
| Tl 190.794 | 33.5384 | 34.3640 | 36.8379 |
| V 292.401 | 109.289 | 108.334 | 108.664 |
| Zn 206.200 | 114.718 | 112.333 | 113.052 |

| Label | Sol'n Conc. | Units | SD | %RSD | Int. (c/s) |
|------------|-------------|-------|---------|------|------------|
| Ag 328.068 | 9.9084 | ppb | 0.1043 | 1.1 | 616.836 |
| Al 308.215 | 5932.63 | ppb | 18.9236 | 0.3 | 11463.0 |
| As 188.980 | 112.295 | ppb | 5.6404 | 5.0 | 36.2126 |
| B 249.678 | 188.944 | ppb | 1.1316 | 0.6 | 2498.96 |
| Ba 389.178 | 150.799 | ppb | 0.5256 | 0.3 | 2737.32 |
| Be 313.042 | 54.8972 | ppb | 0.1969 | 0.4 | 84406.0 |
| Ca 370.602 | 5928 | ppb | 15.84 | 0.3 | 13713 |
| Cd 226.502 | 54.6113 | ppb | 0.3277 | 0.6 | 1713.04 |
| Co 228.615 | 55.1501 | ppb | 0.3010 | 0.5 | 468.376 |
| Cr 267.716 | 109.472 | ppb | 0.8646 | 0.8 | 2990.44 |
| Cu 324.754 | 110.297 | ppb | 2.2394 | 2.0 | 5287.96 |
| Fe 271.441 | 5512.98 | ppb | 20.8125 | 0.4 | 8037.24 |
| K 766.491 | 6219.27 | ppb | 27.7090 | 0.4 | 169319 |
| Mg 279.078 | 5998.61 | ppb | 24.6964 | 0.4 | 10897.0 |
| Mn 257.610 | 571.682 | ppb | 2.0872 | 0.4 | 118218 |
| Mo 202.032 | 102.815 | ppb | 0.6270 | 0.6 | 661.385 |
| Na 330.237 | 8074.77 | ppb | 46.1433 | 0.6 | 372.375 |
| Ni 231.604 | 109.274 | ppb | 1.0887 | 1.0 | 244.505 |
| Pb 220.353 | 53.8744 | ppb | 1.2813 | 2.4 | 102.857 |
| Sb 206.834 | 48.0447 | ppb | 1.2840 | 2.7 | 43.0140 |
| Se 196.026 | 103.811 | ppb | 3.2205 | 3.1 | 54.4583 |
| Sn 189.925 | 206.725 | ppb | 3.2337 | 1.6 | 123.292 |
| Sr 216.596 | 115.944 | ppb | 0.3042 | 0.3 | 1006.04 |
| Ti 334.941 | 107.162 | ppb | 0.4056 | 0.4 | 23325.5 |
| Tl 190.794 | 34.9134 | ppb | 1.7170 | 4.9 | 17.5088 |
| V 292.401 | 108.763 | ppb | 0.4852 | 0.4 | 2478.69 |
| Zn 206.200 | 113.367 | ppb | 1.2332 | 1.1 | 108.535 |

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

680-89361-a-7-e msd (Samp) 4/24/2013, 10:14:42 PM Rack 2, Tube 11**Weight: 1****Volume: 1****Dilution: 1**

| Label | Replicates Concentration | | |
|------------|--------------------------|---------|---------|
| Ag 328.068 | 10.1764 | 9.9840 | 9.4603 |
| Al 308.215 | 5971.36 | 5969.85 | 6010.36 |
| As 188.980 | 110.355 | 109.255 | 100.761 |
| B 249.678 | 175.470 | 174.420 | 175.585 |
| Ba 389.178 | 149.172 | 148.957 | 148.490 |
| Be 313.042 | 53.6610 | 53.5169 | 53.6182 |
| Ca 370.602 | 5811 | 5814 | 5837 |
| Cd 226.502 | 53.4795 | 53.3737 | 53.2015 |
| Co 228.615 | 53.6487 | 54.1478 | 54.9934 |
| Cr 267.716 | 106.398 | 106.799 | 107.660 |
| Cu 324.754 | 105.994 | 107.255 | 108.181 |
| Fe 271.441 | 5640.15 | 5640.80 | 5642.82 |
| K 766.491 | 6127.85 | 6094.39 | 6106.69 |
| Mg 279.078 | 5882.10 | 5896.27 | 5895.88 |
| Mn 257.610 | 559.483 | 558.839 | 557.599 |
| Mo 202.032 | 99.5820 | 100.166 | 100.822 |
| Na 330.237 | 7764.72 | 7730.10 | 7795.97 |
| Ni 231.604 | 106.051 | 105.349 | 106.825 |
| Pb 220.353 | 49.3349 | 51.2040 | 48.6063 |
| Sb 206.834 | 49.9589 | 42.2962 | 48.2207 |
| Se 196.026 | 98.2787 | 94.7791 | 102.925 |
| Sn 189.925 | 201.836 | 203.462 | 201.322 |
| Sr 216.596 | 112.871 | 113.280 | 114.156 |
| Ti 334.941 | 105.398 | 105.813 | 105.827 |
| Tl 190.794 | 35.3079 | 43.7597 | 39.4442 |
| V 292.401 | 107.575 | 107.441 | 107.137 |
| Zn 206.200 | 114.132 | 114.236 | 114.701 |

| Label | Sol'n Conc. | Units | SD | %RSD | Int. (c/s) |
|------------|-------------|-------|---------|------|------------|
| Ag 328.068 | 9.8736 | ppb | 0.3706 | 3.8 | 614.553 |
| Al 308.215 | 5983.85 | ppb | 22.9645 | 0.4 | 11562.1 |
| As 188.980 | 106.790 | ppb | 5.2505 | 4.9 | 33.9257 |
| B 249.678 | 175.158 | ppb | 0.6420 | 0.4 | 2351.08 |
| Ba 389.178 | 148.873 | ppb | 0.3485 | 0.2 | 2702.11 |
| Be 313.042 | 53.5987 | ppb | 0.0740 | 0.1 | 82402.0 |
| Ca 370.602 | 5821 | ppb | 14.36 | 0.2 | 13450 |
| Cd 226.502 | 53.3516 | ppb | 0.1404 | 0.3 | 1675.13 |
| Co 228.615 | 54.2633 | ppb | 0.6797 | 1.3 | 460.747 |
| Cr 267.716 | 106.953 | ppb | 0.6449 | 0.6 | 2921.00 |
| Cu 324.754 | 107.143 | ppb | 1.0981 | 1.0 | 5140.98 |
| Fe 271.441 | 5641.26 | ppb | 1.3898 | 0.0 | 8223.25 |
| K 766.491 | 6109.64 | ppb | 16.9246 | 0.3 | 166338 |
| Mg 279.078 | 5891.42 | ppb | 8.0730 | 0.1 | 10702.9 |
| Mn 257.610 | 558.640 | ppb | 0.9577 | 0.2 | 115523 |
| Mo 202.032 | 100.190 | ppb | 0.6201 | 0.6 | 645.016 |
| Na 330.237 | 7763.60 | ppb | 32.9464 | 0.4 | 360.160 |
| Ni 231.604 | 106.075 | ppb | 0.7382 | 0.7 | 237.133 |
| Pb 220.353 | 49.7150 | ppb | 1.3399 | 2.7 | 97.4815 |
| Sb 206.834 | 46.8253 | ppb | 4.0175 | 8.6 | 41.9160 |
| Se 196.026 | 98.6609 | ppb | 4.0862 | 4.1 | 52.2285 |
| Sn 189.925 | 202.207 | ppb | 1.1172 | 0.6 | 120.419 |
| Sr 216.596 | 113.436 | ppb | 0.6562 | 0.6 | 984.854 |
| Ti 334.941 | 105.679 | ppb | 0.2442 | 0.2 | 23002.3 |
| Tl 190.794 | 39.5039 | ppb | 4.2262 | 10.7 | 21.3031 |
| V 292.401 | 107.384 | ppb | 0.2245 | 0.2 | 2447.45 |
| Zn 206.200 | 114.357 | ppb | 0.3029 | 0.3 | 109.464 |

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

640-43152-c-1-a (Samp) 4/24/2013, 10:20:18 PM Rack 2, Tube 12

Weight: 1 Volume: 1 Dilution: 1

| Label | Replicates Concentration | | |
|------------|--------------------------|----------|----------|
| Ag 328.068 | 0.1479 | 0.1961 | 0.3976 |
| Al 308.215 | 4.8866 | 1.2838 | 3.6480 |
| As 188.980 | 6.3610 | 3.0598 | 8.9574 |
| B 249.678 | -5.0775u | -6.1149u | -5.7148u |
| Ba 389.178 | 6.1211 | 4.9126 | 5.0356 |
| Be 313.042 | 0.0081 | 0.0082 | 0.0091 |
| Ca 370.602 | 1280 | 1284 | 1289 |
| Cd 226.502 | -0.0031 | 0.0541 | -0.2202u |
| Co 228.615 | -0.3190u | -0.1063u | -1.0012u |
| Cr 267.716 | -0.0762u | 0.4024 | 0.0598 |
| Cu 324.754 | -0.3335u | -0.8448u | -0.5560u |
| Fe 271.441 | 85.5068 | 86.9337 | 93.4442 |
| K 766.491 | 647.761 | 652.190 | 651.213 |
| Mg 279.078 | 2475.04 | 2496.41 | 2484.52 |
| Mn 257.610 | 6.9903 | 7.0465 | 7.0631 |
| Mo 202.032 | -1.0358u | -1.6148u | -0.9517u |
| Na 330.237 | 20522.4 | 20835.5 | 20646.5 |
| Ni 231.604 | 0.5869 | -0.5972u | 2.3753 |
| Pb 220.353 | -3.0672u | 0.4350 | -3.0443u |
| Sb 206.834 | -2.3463u | 2.4218 | -0.4292u |
| Se 196.026 | 1.6160 | 7.6250 | 2.9323 |
| Sn 189.925 | -2.7903u | -0.2252u | 3.2600 |
| Sr 216.596 | 17.1764 | 16.7281 | 17.1963 |
| Ti 334.941 | -0.1905u | -0.1744u | -0.0765u |
| Tl 190.794 | -1.9616u | -3.4215u | -1.9926u |
| V 292.401 | -0.1057u | -0.1948u | 0.0807 |
| Zn 206.200 | -1.2045u | -1.7912u | -0.7063u |

| Label | Sol'n Conc. | Units | SD | %RSD | Int. (c/s) |
|------------|-------------|-------|---------|--------|------------|
| Ag 328.068 | 0.2472 | ppb | 0.1325 | 53.6 | -13.5311 |
| Al 308.215 | 3.2728 | ppb | 1.8305 | 55.9 | -26.4505 |
| As 188.980 | 6.1261 | ppb | 2.9558 | 48.2 | -7.9407 |
| B 249.678 | -5.6357 | ppb | 0.5232 | 9.3 | 419.346 |
| Ba 389.178 | 5.3565 | ppb | 0.6651 | 12.4 | 71.1278 |
| Be 313.042 | 0.0085 | ppb | 0.0005 | 6.3 | -305.973 |
| Ca 370.602 | 1284 | ppb | 4.438 | 0.3 | 3030 |
| Cd 226.502 | -0.0564 | ppb | 0.1447 | 256.5 | 33.3377 |
| Co 228.615 | -0.4755 | ppb | 0.4675 | 98.3 | -11.4739 |
| Cr 267.716 | 0.1286 | ppb | 0.2466 | 191.7 | -24.2264 |
| Cu 324.754 | -0.5781 | ppb | 0.2564 | 44.3 | 117.697 |
| Fe 271.441 | 88.6282 | ppb | 4.2313 | 4.8 | 156.719 |
| K 766.491 | 650.388 | ppb | 2.3270 | 0.4 | 17879.0 |
| Mg 279.078 | 2485.32 | ppb | 10.7093 | 0.4 | 4537.60 |
| Mn 257.610 | 7.0333 | ppb | 0.0382 | 0.5 | 1516.36 |
| Mo 202.032 | -1.2008 | ppb | 0.3610 | 30.1 | 13.2143 |
| Na 330.237 | 20668.1 | ppb | 157.643 | 0.8 | 868.503 |
| Ni 231.604 | 0.7883 | ppb | 1.4964 | 189.8 | -5.6842 |
| Pb 220.353 | -1.8922 | ppb | 2.0154 | 106.5 | 30.9266 |
| Sb 206.834 | -0.1179 | ppb | 2.3993 | 2034.8 | -0.7190 |
| Se 196.026 | 4.0578 | ppb | 3.1586 | 77.8 | 11.1615 |
| Sn 189.925 | 0.0815 | ppb | 3.0368 | 3726.2 | -8.0664 |
| Sr 216.596 | 17.0336 | ppb | 0.2648 | 1.6 | 166.847 |
| Ti 334.941 | -0.1471 | ppb | 0.0617 | 41.9 | -52.1477 |
| Tl 190.794 | -2.4586 | ppb | 0.8341 | 33.9 | -12.4185 |
| V 292.401 | -0.0732 | ppb | 0.1406 | 191.9 | -8.4286 |
| Zn 206.200 | -1.2340 | ppb | 0.5430 | 44.0 | -15.5466 |

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

Cont Calib Verif (CCV) 4/24/2013, 10:25:54 PM Rack 2, Tube 13
 Weight: 1 Volume: 1 Dilution: 1

| Label | Replicates Concentration | | |
|------------|--------------------------|---------|---------|
| Ag 328.068 | 487.315 | 484.970 | 488.849 |
| Al 308.215 | 4859.13 | 4879.28 | 4885.66 |
| As 188.980 | 502.999 | 495.408 | 512.792 |
| B 249.678 | 477.855 | 482.108 | 480.250 |
| Ba 389.178 | 5079.90 | 5101.57 | 5079.92 |
| Be 313.042 | 516.949 | 518.427 | 517.207 |
| Ca 370.602 | 4939 | 4971 | 4941 |
| Cd 226.502 | 515.495 | 517.660 | 515.235 |
| Co 228.615 | 520.029 | 521.065 | 517.939 |
| Cr 267.716 | 5084.21 | 5111.78 | 5115.70 |
| Cu 324.754 | 4975.13 | 5025.13 | 5073.82 |
| Fe 271.441 | 4931.62 | 4937.61 | 4934.85 |
| K 766.491 | 9942.26 | 9953.98 | 9906.14 |
| Mg 279.078 | 4980.91 | 4994.31 | 4977.60 |
| Mn 257.610 | 5180.50 | 5184.03 | 5173.43 |
| Mo 202.032 | 491.078 | 490.742 | 492.040 |
| Na 330.237 | 7267.54 | 7318.73 | 7209.16 |
| Ni 231.604 | 2611.97 | 2618.02 | 2607.37 |
| Pb 220.353 | 494.335 | 493.205 | 488.397 |
| Sb 206.834 | 950.624 | 948.961 | 947.242 |
| Se 196.026 | 4988.62 | 4994.92 | 4949.59 |
| Sn 189.925 | 4994.37 | 5013.45 | 4940.14 |
| Sr 216.596 | 2499.01 | 2509.72 | 2499.87 |
| Ti 334.941 | 493.135 | 494.955 | 493.990 |
| Tl 190.794 | 5031.68 | 5052.47 | 5005.97 |
| V 292.401 | 4939.38 | 4948.16 | 4935.12 |
| Zn 206.200 | 2591.96 | 2604.25 | 2582.56 |

| Label | Sol'n Conc. | Units | SD | %RSD | Int. (c/s) | QC Value |
|------------|-------------|-------|---------|------|------------|-----------|
| Ag 328.068 | 487.045 | ppb | 1.9533 | 0.4 | 31786.0 | 97.40893 |
| Al 308.215 | 4874.69 | ppb | 13.8465 | 0.3 | 9402.11 | 97.49378 |
| As 188.980 | 503.733 | ppb | 8.7151 | 1.7 | 198.868 | 100.74660 |
| B 249.678 | 480.071 | ppb | 2.1321 | 0.4 | 5619.68 | 19.20284Q |
| Ba 389.178 | 5087.13 | ppb | 12.5083 | 0.2 | 92763.2 | 101.74258 |
| Be 313.042 | 517.528 | ppb | 0.7895 | 0.2 | 798326 | 103.50558 |
| Ca 370.602 | 4950 | ppb | 18.08 | 0.4 | 11614 | 99.00625 |
| Cd 226.502 | 516.130 | ppb | 1.3313 | 0.3 | 15747.9 | 103.22600 |
| Co 228.615 | 519.678 | ppb | 1.5923 | 0.3 | 4487.25 | 103.93555 |
| Cr 267.716 | 5103.90 | ppb | 17.1594 | 0.3 | 140615 | 102.07796 |
| Cu 324.754 | 5024.69 | ppb | 49.3459 | 1.0 | 234278 | 100.49385 |
| Fe 271.441 | 4934.70 | ppb | 2.9995 | 0.1 | 7297.52 | 98.69391 |
| K 766.491 | 9934.12 | ppb | 24.9359 | 0.3 | 270341 | 99.34124 |
| Mg 279.078 | 4984.27 | ppb | 8.8488 | 0.2 | 8995.11 | 99.68547 |
| Mn 257.610 | 5179.32 | ppb | 5.3983 | 0.1 | 1070258 | 103.58645 |
| Mo 202.032 | 491.287 | ppb | 0.6738 | 0.1 | 3075.86 | 98.25737 |
| Na 330.237 | 7265.14 | ppb | 54.8243 | 0.8 | 324.448 | 96.86855 |
| Ni 231.604 | 2612.45 | ppb | 5.3440 | 0.2 | 6014.99 | 104.49812 |
| Pb 220.353 | 491.979 | ppb | 3.1530 | 0.6 | 669.219 | 98.39584 |
| Sb 206.834 | 948.942 | ppb | 1.6911 | 0.2 | 900.766 | 94.89420 |
| Se 196.026 | 4977.71 | ppb | 24.5573 | 0.5 | 2163.59 | 99.55418 |
| Sn 189.925 | 4982.65 | ppb | 38.0320 | 0.8 | 3159.27 | 99.65308 |
| Sr 216.596 | 2502.87 | ppb | 5.9471 | 0.2 | 21268.3 | 100.11469 |
| Ti 334.941 | 494.027 | ppb | 0.9109 | 0.2 | 107552 | 98.80531 |
| Tl 190.794 | 5030.04 | ppb | 23.2959 | 0.5 | 4131.82 | 100.60080 |
| V 292.401 | 4940.89 | ppb | 6.6525 | 0.1 | 113526 | 98.81778 |
| Zn 206.200 | 2592.92 | ppb | 10.8782 | 0.4 | 2418.46 | 103.71691 |

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

Cont Calib Blank (CCB) 4/24/2013, 10:31:28 PM Rack 2, Tube 14
 Weight: 1 Volume: 1 Dilution: 1

| Label | Replicates Concentration | | |
|------------|--------------------------|-----------|-----------|
| Ag 328.068 | 0.0716 | 0.1953 | -0.5550u |
| Al 308.215 | 0.8598 | -2.1567u | 0.6200 |
| As 188.980 | 1.1925 | 8.2724 | -2.1994u |
| B 249.678 | -23.9068u | -24.8684u | -24.9528u |
| Ba 389.178 | -0.1957u | 0.5272 | 1.1062 |
| Be 313.042 | 0.0086 | 0.0097 | -0.0017u |
| Ca 370.602 | 4.531 | 0.1424 | 6.346 |
| Cd 226.502 | -0.3035u | -0.0344u | -0.0138u |
| Co 228.615 | 0.0533 | -0.4629u | -0.6732u |
| Cr 267.716 | 0.0882 | 0.3065 | 0.3615 |
| Cu 324.754 | -0.3545u | -0.1378u | -0.6191u |
| Fe 271.441 | -3.6274u | 0.6821 | -1.1693u |
| K 766.491 | -0.5725u | -0.6592u | 0.0106 |
| Mg 279.078 | 0.8425 | 1.9592 | 1.8571 |
| Mn 257.610 | -0.0049u | -0.0169u | 0.0089 |
| Mo 202.032 | -0.2786u | -1.1977u | -0.6427u |
| Na 330.237 | -126.851u | -170.700u | -278.488u |
| Ni 231.604 | 0.1175 | 1.3069 | 0.4859 |
| Pb 220.353 | -0.6014u | -0.9508u | -0.4873u |
| Sb 206.834 | 1.6687 | 5.8809 | 0.3333 |
| Se 196.026 | 4.7379 | 1.6751 | 0.8743 |
| Sn 189.925 | 2.2517 | -0.7132u | -0.7984u |
| Sr 216.596 | 0.0113 | 0.4083 | 0.3542 |
| Ti 334.941 | -0.0995u | -0.1375u | -0.0095u |
| Tl 190.794 | -1.6048u | 1.2866 | -5.0249u |
| V 292.401 | -0.2168u | -0.4392u | -0.0514u |
| Zn 206.200 | -0.1852u | 0.2913 | -1.5043u |

| Label | Sol'n Conc. | Units | SD | %RSD | Int. (c/s) | QC Value |
|------------|-------------|-------|---------|-------|------------|------------|
| Ag 328.068 | -0.0960 | ppb | 0.4022 | 418.9 | -35.2778 | -0.09603 |
| Al 308.215 | -0.2256 | ppb | 1.6766 | 743.1 | -33.2026 | -0.22564 |
| As 188.980 | 2.4218 | ppb | 5.3431 | 220.6 | -9.4813 | 2.42183 |
| B 249.678 | -24.5760 | ppb | 0.5811 | 2.4 | 216.445 | -24.57603 |
| Ba 389.178 | 0.4792 | ppb | 0.6523 | 136.1 | -23.0334 | 0.47923 |
| Be 313.042 | 0.0055 | ppb | 0.0063 | 114.4 | -309.033 | 0.00553 |
| Ca 370.602 | 3.673 | ppb | 3.190 | 86.8 | 5.964 | 3.67326 |
| Cd 226.502 | -0.1172 | ppb | 0.1616 | 137.9 | 31.2770 | -0.11724 |
| Co 228.615 | -0.3609 | ppb | 0.3738 | 103.6 | -10.4965 | -0.36092 |
| Cr 267.716 | 0.2521 | ppb | 0.1445 | 57.3 | -21.0496 | 0.25208 |
| Cu 324.754 | -0.3705 | ppb | 0.2410 | 65.1 | 127.365 | -0.37045 |
| Fe 271.441 | -1.3715 | ppb | 2.1619 | 157.6 | 26.0727 | -1.37155 |
| K 766.491 | -0.4070 | ppb | 0.3643 | 89.5 | 181.299 | -0.40702 |
| Mg 279.078 | 1.5529 | ppb | 0.6174 | 39.8 | 35.9305 | 1.55294 |
| Mn 257.610 | -0.0043 | ppb | 0.0129 | 299.0 | 49.1225 | -0.00430 |
| Mo 202.032 | -0.7063 | ppb | 0.4628 | 65.5 | 16.3015 | -0.70631 |
| Na 330.237 | -192.013 | ppb | 78.0331 | 40.6 | 50.9112 | -192.01308 |
| Ni 231.604 | 0.6368 | ppb | 0.6089 | 95.6 | -6.0352 | 0.63678 |
| Pb 220.353 | -0.6798 | ppb | 0.2415 | 35.5 | 32.4920 | -0.67982 |
| Sb 206.834 | 2.6276 | ppb | 2.8954 | 110.2 | 1.7552 | 2.62763 |
| Se 196.026 | 2.4291 | ppb | 2.0392 | 83.9 | 10.4550 | 2.42908 |
| Sn 189.925 | 0.2467 | ppb | 1.7369 | 704.0 | -7.9671 | 0.24670 |
| Sr 216.596 | 0.2580 | ppb | 0.2153 | 83.5 | 23.9747 | 0.25796 |
| Ti 334.941 | -0.0822 | ppb | 0.0657 | 80.0 | -45.5888 | -0.08216 |
| Tl 190.794 | -1.7811 | ppb | 3.1594 | 177.4 | -11.8481 | -1.78106 |
| V 292.401 | -0.2358 | ppb | 0.1946 | 82.5 | -12.1702 | -0.23579 |
| Zn 206.200 | -0.4661 | ppb | 0.9302 | 199.6 | 2.2644 | -0.46608 |

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

640-43152-c-1-B MS (Samp) 4/24/2013, 10:37:03 PM Rack 2, Tube 15**Weight: 1****Volume: 1****Dilution: 1**

| Label | Replicates Concentration | | |
|------------|--------------------------|----------|-----------|
| Ag 328.068 | -0.0411u | 0.2062 | -0.2412u |
| Al 308.215 | 47.4493 | 51.2996 | 50.5920 |
| As 188.980 | 3.0602 | -4.6369u | 10.1676 |
| B 249.678 | -6.0526u | -6.9712u | -11.7162u |
| Ba 389.178 | 7.1839 | 5.9517 | 5.8942 |
| Be 313.042 | 0.5261 | 0.5333 | 0.4828 |
| Ca 370.602 | 1347 | 1357 | 1196 |
| Cd 226.502 | 0.3151 | 0.4743 | 0.4640 |
| Co 228.615 | 0.6097 | 0.4212 | -0.3018u |
| Cr 267.716 | 0.8151 | 1.3503 | 1.3921 |
| Cu 324.754 | 1.1551 | 0.6228 | 0.7037 |
| Fe 271.441 | 145.909 | 142.991 | 129.561 |
| K 766.491 | 711.205 | 711.376 | 623.567 |
| Mg 279.078 | 2588.62 | 2594.87 | 2271.54 |
| Mn 257.610 | 12.4518 | 12.5561 | 11.0359 |
| Mo 202.032 | 0.3855 | 0.1633 | -0.2523u |
| Na 330.237 | 21035.8 | 20833.2 | 18412.0 |
| Ni 231.604 | 3.3296 | 2.0051 | 2.7545 |
| Pb 220.353 | -1.5071u | 2.4252 | -0.6392u |
| Sb 206.834 | 5.0212 | 4.0242 | 3.8635 |
| Se 196.026 | 6.4037 | -2.8540u | 0.9443 |
| Sn 189.925 | 2.3300 | -1.4851u | 2.7659 |
| Sr 216.596 | 18.3721 | 18.0044 | 15.6830 |
| Ti 334.941 | 0.8591 | 0.8137 | 0.7662 |
| Tl 190.794 | 0.3575 | -2.6740u | -2.1930u |
| V 292.401 | 0.4926 | 1.3331 | 1.4382 |
| Zn 206.200 | -0.8501u | -1.3952u | -1.1380u |

| Label | Sol'n Conc. | Units | SD | %RSD | Int. (c/s) |
|------------|-------------|-------|---------|--------|------------|
| Ag 328.068 | -0.0254 | ppb | 0.2241 | 883.6 | -31.3515 |
| Al 308.215 | 49.7803 | ppb | 2.0495 | 4.1 | 63.6853 |
| As 188.980 | 2.8637 | ppb | 7.4042 | 258.6 | -9.2968 |
| B 249.678 | -8.2466 | ppb | 3.0396 | 36.9 | 391.310 |
| Ba 389.178 | 6.3432 | ppb | 0.7286 | 11.5 | 89.1839 |
| Be 313.042 | 0.5141 | ppb | 0.0273 | 5.3 | 474.305 |
| Ca 370.602 | 1300 | ppb | 90.41 | 7.0 | 3065 |
| Cd 226.502 | 0.4178 | ppb | 0.0891 | 21.3 | 47.9187 |
| Co 228.615 | 0.2430 | ppb | 0.4812 | 198.0 | -5.2827 |
| Cr 267.716 | 1.1858 | ppb | 0.3217 | 27.1 | 4.9156 |
| Cu 324.754 | 0.8272 | ppb | 0.2868 | 34.7 | 183.223 |
| Fe 271.441 | 139.487 | ppb | 8.7191 | 6.3 | 230.562 |
| K 766.491 | 682.049 | ppb | 50.6472 | 7.4 | 18740.0 |
| Mg 279.078 | 2485.01 | ppb | 184.897 | 7.4 | 4536.96 |
| Mn 257.610 | 12.0146 | ppb | 0.8492 | 7.1 | 2545.72 |
| Mo 202.032 | 0.0988 | ppb | 0.3237 | 327.6 | 21.3138 |
| Na 330.237 | 20093.7 | ppb | 1459.88 | 7.3 | 845.971 |
| Ni 231.604 | 2.6964 | ppb | 0.6642 | 24.6 | -1.2846 |
| Pb 220.353 | 0.0930 | ppb | 2.0659 | 2222.0 | 33.4910 |
| Sb 206.834 | 4.3030 | ppb | 0.6272 | 14.6 | 3.2741 |
| Se 196.026 | 1.4980 | ppb | 4.6536 | 310.7 | 10.0556 |
| Sn 189.925 | 1.2036 | ppb | 2.3386 | 194.3 | -7.3533 |
| Sr 216.596 | 17.3532 | ppb | 1.4581 | 8.4 | 169.524 |
| Ti 334.941 | 0.8130 | ppb | 0.0465 | 5.7 | 156.921 |
| Tl 190.794 | -1.5032 | ppb | 1.6292 | 108.4 | -11.6390 |
| V 292.401 | 1.0880 | ppb | 0.5182 | 47.6 | 18.0927 |
| Zn 206.200 | -1.1278 | ppb | 0.2727 | 24.2 | -1.6441 |

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

640-43152-c-1-C MSD (Samp) 4/24/2013, 10:42:38 PM Rack 2, Tube 16**Weight: 1****Volume: 1****Dilution: 1**

| Label | Replicates Concentration | | |
|------------|--------------------------|----------|----------|
| Ag 328.068 | -0.0987u | -0.0070u | 0.1688 |
| Al 308.215 | 58.2634 | 57.0531 | 57.6381 |
| As 188.980 | 10.4827 | 7.5682 | 1.1716 |
| B 249.678 | -7.6235u | -8.3502u | -8.2116u |
| Ba 389.178 | 5.2171 | 6.1704 | 6.0098 |
| Be 313.042 | 0.5108 | 0.5130 | 0.5136 |
| Ca 370.602 | 1367 | 1350 | 1361 |
| Cd 226.502 | 0.4212 | 0.4165 | 0.6709 |
| Co 228.615 | 0.2712 | 0.3053 | 0.2738 |
| Cr 267.716 | 1.4038 | 1.3809 | 1.4208 |
| Cu 324.754 | 0.2906 | 0.7720 | 0.2446 |
| Fe 271.441 | 136.927 | 135.228 | 136.995 |
| K 766.491 | 720.834 | 707.795 | 713.642 |
| Mg 279.078 | 2621.53 | 2577.61 | 2598.44 |
| Mn 257.610 | 12.6042 | 12.3556 | 12.4397 |
| Mo 202.032 | -0.5834u | 0.1388 | 0.0628 |
| Na 330.237 | 21597.4 | 21074.5 | 21482.7 |
| Ni 231.604 | 1.7382 | 1.7143 | 0.8718 |
| Pb 220.353 | -1.9287u | -3.2257u | -0.4809u |
| Sb 206.834 | -5.4477u | -1.6557u | -3.5865u |
| Se 196.026 | 1.5191 | 8.1515 | -2.2234u |
| Sn 189.925 | -1.4194u | 2.3164 | 2.7276 |
| Sr 216.596 | 18.2663 | 17.5743 | 18.6358 |
| Ti 334.941 | 0.8389 | 0.7805 | 0.8290 |
| Tl 190.794 | -5.6047u | -7.3441u | -4.5130u |
| V 292.401 | 0.7659 | 0.6880 | 0.7206 |
| Zn 206.200 | 4.0677 | 4.3029 | 4.0140 |

| Label | Sol'n Conc. | Units | SD | %RSD | Int. (c/s) |
|------------|-------------|-------|---------|-------|------------|
| Ag 328.068 | 0.0210 | ppb | 0.1360 | 646.8 | -28.3573 |
| Al 308.215 | 57.6516 | ppb | 0.6053 | 1.0 | 78.9308 |
| As 188.980 | 6.4075 | ppb | 4.7628 | 74.3 | -7.8236 |
| B 249.678 | -8.0618 | ppb | 0.3858 | 4.8 | 393.287 |
| Ba 389.178 | 5.7991 | ppb | 0.5104 | 8.8 | 79.5000 |
| Be 313.042 | 0.5124 | ppb | 0.0015 | 0.3 | 471.729 |
| Ca 370.602 | 1359 | ppb | 8.575 | 0.6 | 3204 |
| Cd 226.502 | 0.5028 | ppb | 0.1455 | 28.9 | 50.5156 |
| Co 228.615 | 0.2834 | ppb | 0.0190 | 6.7 | -4.9311 |
| Cr 267.716 | 1.4018 | ppb | 0.0200 | 1.4 | 10.8831 |
| Cu 324.754 | 0.4357 | ppb | 0.2921 | 67.0 | 164.981 |
| Fe 271.441 | 136.384 | ppb | 1.0012 | 0.7 | 226.095 |
| K 766.491 | 714.090 | ppb | 6.5310 | 0.9 | 19611.3 |
| Mg 279.078 | 2599.19 | ppb | 21.9667 | 0.8 | 4743.90 |
| Mn 257.610 | 12.4665 | ppb | 0.1265 | 1.0 | 2639.70 |
| Mo 202.032 | -0.1273 | ppb | 0.3969 | 311.8 | 19.9045 |
| Na 330.237 | 21384.9 | ppb | 274.820 | 1.3 | 896.555 |
| Ni 231.604 | 1.4415 | ppb | 0.4934 | 34.2 | -4.1776 |
| Pb 220.353 | -1.8784 | ppb | 1.3731 | 73.1 | 30.9429 |
| Sb 206.834 | -3.5633 | ppb | 1.8961 | 53.2 | -3.8313 |
| Se 196.026 | 2.4824 | ppb | 5.2541 | 211.7 | 10.4815 |
| Sn 189.925 | 1.2082 | ppb | 2.2848 | 189.1 | -7.3500 |
| Sr 216.596 | 18.1588 | ppb | 0.5389 | 3.0 | 176.404 |
| Ti 334.941 | 0.8161 | ppb | 0.0312 | 3.8 | 157.937 |
| Tl 190.794 | -5.8206 | ppb | 1.4278 | 24.5 | -15.1988 |
| V 292.401 | 0.7248 | ppb | 0.0391 | 5.4 | 9.7289 |
| Zn 206.200 | 4.1282 | ppb | 0.1537 | 3.7 | 257.5599 |

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

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

Weight: 1

Volume: 1

Dilution: 1

| Label | Replicates Concentration | | |
|------------|--------------------------|-----------|-----------|
| Ag 328.068 | -0.1323u | 0.1751 | 0.1548 |
| Al 308.215 | -2.4633u | -1.8964u | -0.3091u |
| As 188.980 | -0.3649u | 4.2809 | 3.2429 |
| B 249.678 | -16.1971u | -17.3103u | -16.0377u |
| Ba 389.178 | 5.8032 | 6.4971 | 5.3919 |
| Be 313.042 | -0.0060u | -0.0045u | -0.0065u |
| Ca 370.602 | 1520 | 1546 | 1545 |
| Cd 226.502 | -0.2414u | -0.2412u | -0.3318u |
| Co 228.615 | -0.3880u | -0.1481u | -0.1283u |
| Cr 267.716 | 0.6610 | 0.0277 | 0.1635 |
| Cu 324.754 | -0.6676u | -0.2515u | -0.0823u |
| Fe 271.441 | 98.9400 | 96.0608 | 94.2969 |
| K 766.491 | 525.822 | 531.726 | 530.582 |
| Mg 279.078 | 2033.93 | 2053.70 | 2048.26 |
| Mn 257.610 | 2.2136 | 2.2875 | 2.5402 |
| Mo 202.032 | -1.4212u | -1.7460u | -1.4127u |
| Na 330.237 | 11749.9 | 11822.6 | 12067.6 |
| Ni 231.604 | 0.5036 | 2.1187 | 2.9963 |
| Pb 220.353 | -2.2044u | 2.0554 | 0.1000 |
| Sb 206.834 | -3.1811u | -7.1357u | 0.5473 |
| Se 196.026 | -0.7257u | -0.1058u | -11.4860u |
| Sn 189.925 | 0.7999 | 1.0273 | 1.2497 |
| Sr 216.596 | 14.9900 | 14.9865 | 15.2762 |
| Ti 334.941 | -0.1757u | -0.1518u | -0.0422u |
| Tl 190.794 | -1.7590u | -6.9967u | -1.5632u |
| V 292.401 | -0.1344u | 0.0327 | -0.0869u |
| Zn 206.200 | -1.1221u | -1.2478u | 0.5909 |

| Label | Sol'n Conc. | Units | SD | %RSD | Int. (c/s) |
|------------|-------------|-------|---------|---------|------------|
| Ag 328.068 | 0.0659 | ppb | 0.1719 | 261.0 | -25.3440 |
| Al 308.215 | -1.5563 | ppb | 1.1167 | 71.8 | -35.8268 |
| As 188.980 | 2.3863 | ppb | 2.4385 | 102.2 | -9.4952 |
| B 249.678 | -16.5150 | ppb | 0.6933 | 4.2 | 302.735 |
| Ba 389.178 | 5.8974 | ppb | 0.5586 | 9.5 | 80.0958 |
| Be 313.042 | -0.0057 | ppb | 0.0010 | 17.9 | -326.909 |
| Ca 370.602 | 1537 | ppb | 14.40 | 0.9 | 3627 |
| Cd 226.502 | -0.2715 | ppb | 0.0522 | 19.2 | 26.8626 |
| Co 228.615 | -0.2215 | ppb | 0.1445 | 65.3 | -9.2682 |
| Cr 267.716 | 0.2841 | ppb | 0.3334 | 117.4 | -20.0349 |
| Cu 324.754 | -0.3338 | ppb | 0.3012 | 90.2 | 129.072 |
| Fe 271.441 | 96.4325 | ppb | 2.3438 | 2.4 | 168.015 |
| K 766.491 | 529.377 | ppb | 3.1312 | 0.6 | 14588.3 |
| Mg 279.078 | 2045.30 | ppb | 10.2139 | 0.5 | 3740.13 |
| Mn 257.610 | 2.3471 | ppb | 0.1713 | 7.3 | 545.851 |
| Mo 202.032 | -1.5266 | ppb | 0.1900 | 12.4 | 11.1820 |
| Na 330.237 | 11880.0 | ppb | 166.439 | 1.4 | 524.045 |
| Ni 231.604 | 1.8729 | ppb | 1.2644 | 67.5 | -3.1838 |
| Pb 220.353 | -0.0163 | ppb | 2.1323 | 13049.9 | 33.3510 |
| Sb 206.834 | -3.2565 | ppb | 3.8420 | 118.0 | -3.5474 |
| Se 196.026 | -4.1058 | ppb | 6.3989 | 155.8 | 7.6295 |
| Sn 189.925 | 1.0257 | ppb | 0.2249 | 21.9 | -7.4684 |
| Sr 216.596 | 15.0842 | ppb | 0.1663 | 1.1 | 150.289 |
| Ti 334.941 | -0.1232 | ppb | 0.0712 | 57.8 | -48.0015 |
| Tl 190.794 | -3.4397 | ppb | 3.0820 | 89.6 | -13.2220 |
| V 292.401 | -0.0629 | ppb | 0.0861 | 136.9 | -8.0634 |
| Zn 206.200 | -0.5930 | ppb | 1.0272 | 173.2 | -2.1459 |

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

mb 680-273820/1-a (Samp) **4/24/2013, 10:53:47 PM** **Rack 2, Tube 18**
Weight: 1 **Volume: 1** **Dilution: 1**

| Label | Replicates Concentration | | |
|------------|--------------------------|-----------|-----------|
| Ag 328.068 | -0.1546u | -0.1367u | -0.1354u |
| Al 308.215 | -1.3262u | -1.7574u | -1.0437u |
| As 188.980 | 5.7884 | -0.0155u | 4.3205 |
| B 249.678 | -33.2488u | -33.7284u | -32.6345u |
| Ba 389.178 | 0.6908 | -0.0499u | -0.5353u |
| Be 313.042 | -0.0081u | -0.0119u | -0.0038u |
| Ca 370.602 | 8.289 | 1.634 | 0.1038 |
| Cd 226.502 | 0.0295 | -0.1182u | -0.1358u |
| Co 228.615 | -0.6497u | 0.3905 | 0.4476 |
| Cr 267.716 | 0.0690 | 0.0746 | -0.1659u |
| Cu 324.754 | -0.2753u | -0.0735u | 0.4728 |
| Fe 271.441 | 2.3618 | -3.1108u | -0.9113u |
| K 766.491 | -0.6353u | 0.3388 | -0.1631u |
| Mg 279.078 | 0.7419 | -5.7336u | 4.0040 |
| Mn 257.610 | -0.1176u | -0.1295u | -0.1350u |
| Mo 202.032 | -1.7204u | -1.3890u | -1.1776u |
| Na 330.237 | -28.8638u | -258.264u | 138.090 |
| Ni 231.604 | 0.8404 | -0.2669u | 0.1513 |
| Pb 220.353 | 0.3021 | 0.9578 | 2.6283 |
| Sb 206.834 | -6.2216u | -3.5310u | -4.9372u |
| Se 196.026 | -0.0920u | -7.8769u | 2.2473 |
| Sn 189.925 | 2.1048 | -0.8696u | -1.5184u |
| Sr 216.596 | -0.5911u | -0.3205u | 0.4018 |
| Ti 334.941 | -0.1464u | -0.1356u | -0.1106u |
| Tl 190.794 | -0.9064u | -2.0886u | -0.7569u |
| V 292.401 | -0.0699u | -0.1698u | -0.2213u |
| Zn 206.200 | 0.2851 | -2.3961u | -1.0353u |

| Label | Sol'n Conc. | Units | SD | %RSD | Int. (c/s) |
|------------|-------------|-------|---------|--------|------------|
| Ag 328.068 | -0.1422 | ppb | 0.0107 | 7.5 | -38.3094 |
| Al 308.215 | -1.3758 | ppb | 0.3594 | 26.1 | -35.4678 |
| As 188.980 | 3.3645 | ppb | 3.0178 | 89.7 | -9.0893 |
| B 249.678 | -33.2039 | ppb | 0.5483 | 1.7 | 123.972 |
| Ba 389.178 | 0.0352 | ppb | 0.6175 | 1754.9 | -31.1354 |
| Be 313.042 | -0.0079 | ppb | 0.0040 | 50.8 | -329.715 |
| Ca 370.602 | 3.342 | ppb | 4.352 | 130.2 | 5.025 |
| Cd 226.502 | -0.0748 | ppb | 0.0908 | 121.3 | 32.5746 |
| Co 228.615 | 0.0628 | ppb | 0.6177 | 983.7 | -6.8177 |
| Cr 267.716 | -0.0074 | ppb | 0.1373 | 1858.3 | -28.1997 |
| Cu 324.754 | 0.0413 | ppb | 0.3870 | 936.4 | 146.534 |
| Fe 271.441 | -0.5534 | ppb | 2.7538 | 497.6 | 27.3200 |
| K 766.491 | -0.1532 | ppb | 0.4871 | 317.9 | 188.202 |
| Mg 279.078 | -0.3292 | ppb | 4.9564 | 1505.4 | 32.5211 |
| Mn 257.610 | -0.1274 | ppb | 0.0089 | 7.0 | 23.6921 |
| Mo 202.032 | -1.4290 | ppb | 0.2736 | 19.1 | 11.7948 |
| Na 330.237 | -49.6793 | ppb | 198.995 | 400.6 | 56.4900 |
| Ni 231.604 | 0.2416 | ppb | 0.5592 | 231.4 | -6.9461 |
| Pb 220.353 | 1.2961 | ppb | 1.1994 | 92.5 | 35.0466 |
| Sb 206.834 | -4.8966 | ppb | 1.3457 | 27.5 | -5.0338 |
| Se 196.026 | -1.9072 | ppb | 5.3006 | 277.9 | 8.5794 |
| Sn 189.925 | -0.0944 | ppb | 1.9320 | 2046.2 | -8.1839 |
| Sr 216.596 | -0.1699 | ppb | 0.5133 | 302.1 | 20.3717 |
| Ti 334.941 | -0.1309 | ppb | 0.0183 | 14.0 | -56.2083 |
| Tl 190.794 | -1.2506 | ppb | 0.7296 | 58.3 | -11.4103 |
| V 292.401 | -0.1537 | ppb | 0.0770 | 50.1 | -10.1360 |
| Zn 206.200 | -1.0488 | ppb | 1.3406 | 127.8 | -17.197 |

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

ics 680-273820/2-a (Samp) 4/24/2013, 10:59:22 PM Rack 2, Tube 19

Weight: 1

Volume: 1

Dilution: 1

| Label | Replicates Concentration | | |
|------------|--------------------------|---------|---------|
| Ag 328.068 | 7.3423 | 7.3740 | 6.7724 |
| Al 308.215 | 5278.25 | 5312.29 | 5371.01 |
| As 188.980 | 113.702 | 107.163 | 114.802 |
| B 249.678 | 166.005 | 167.022 | 168.876 |
| Ba 389.178 | 104.675 | 105.155 | 106.240 |
| Be 313.042 | 54.1378 | 54.2610 | 54.5642 |
| Ca 370.602 | 4977 | 5002 | 5030 |
| Cd 226.502 | 54.2171 | 54.2965 | 54.4913 |
| Co 228.615 | 54.6094 | 53.7091 | 53.8400 |
| Cr 267.716 | 107.233 | 107.755 | 109.290 |
| Cu 324.754 | 103.024 | 105.940 | 105.289 |
| Fe 271.441 | 5046.95 | 5040.11 | 5091.40 |
| K 766.491 | 5064.50 | 5065.93 | 5103.30 |
| Mg 279.078 | 5107.00 | 5120.16 | 5150.98 |
| Mn 257.610 | 545.946 | 546.457 | 549.302 |
| Mo 202.032 | 100.751 | 100.997 | 101.759 |
| Na 330.237 | 5174.03 | 4975.88 | 5399.96 |
| Ni 231.604 | 107.131 | 106.293 | 108.051 |
| Pb 220.353 | 52.9649 | 50.2057 | 55.3800 |
| Sb 206.834 | 46.1236 | 43.1359 | 47.5838 |
| Se 196.026 | 96.2369 | 108.452 | 93.8499 |
| Sn 189.925 | 202.490 | 205.820 | 206.138 |
| Sr 216.596 | 105.385 | 103.835 | 104.852 |
| Ti 334.941 | 101.072 | 101.338 | 102.331 |
| Tl 190.794 | 37.0305 | 38.9337 | 40.3796 |
| V 292.401 | 102.997 | 102.835 | 103.575 |
| Zn 206.200 | 103.745 | 103.473 | 99.4393 |

| Label | Sol'n Conc. | Units | SD | %RSD | Int. (c/s) |
|------------|-------------|-------|---------|------|------------|
| Ag 328.068 | 7.1629 | ppb | 0.3385 | 4.7 | 437.603 |
| Al 308.215 | 5320.52 | ppb | 46.9269 | 0.9 | 10277.3 |
| As 188.980 | 111.889 | ppb | 4.1298 | 3.7 | 36.0414 |
| B 249.678 | 167.301 | ppb | 1.4559 | 0.9 | 2267.49 |
| Ba 389.178 | 105.357 | ppb | 0.8019 | 0.8 | 1906.31 |
| Be 313.042 | 54.3210 | ppb | 0.2194 | 0.4 | 83517.0 |
| Ca 370.602 | 5003 | ppb | 26.55 | 0.5 | 11550 |
| Cd 226.502 | 54.3350 | ppb | 0.1411 | 0.3 | 1703.23 |
| Co 228.615 | 54.0528 | ppb | 0.4865 | 0.9 | 458.845 |
| Cr 267.716 | 108.093 | ppb | 1.0695 | 1.0 | 2952.30 |
| Cu 324.754 | 104.751 | ppb | 1.5307 | 1.5 | 5029.38 |
| Fe 271.441 | 5059.49 | ppb | 27.8460 | 0.6 | 7378.87 |
| K 766.491 | 5077.91 | ppb | 22.0005 | 0.4 | 138281 |
| Mg 279.078 | 5126.05 | ppb | 22.5709 | 0.4 | 9315.88 |
| Mn 257.610 | 547.235 | ppb | 1.8086 | 0.3 | 113161 |
| Mo 202.032 | 101.169 | ppb | 0.5253 | 0.5 | 651.152 |
| Na 330.237 | 5183.29 | ppb | 212.192 | 4.1 | 259.233 |
| Ni 231.604 | 107.158 | ppb | 0.8793 | 0.8 | 239.620 |
| Pb 220.353 | 52.8502 | ppb | 2.5891 | 4.9 | 101.542 |
| Sb 206.834 | 45.6144 | ppb | 2.2673 | 5.0 | 40.8134 |
| Se 196.026 | 99.5130 | ppb | 7.8330 | 7.9 | 52.5916 |
| Sn 189.925 | 204.816 | ppb | 2.0206 | 1.0 | 122.077 |
| Sr 216.596 | 104.691 | ppb | 0.7873 | 0.8 | 910.160 |
| Ti 334.941 | 101.580 | ppb | 0.6634 | 0.7 | 22107.2 |
| Tl 190.794 | 38.7813 | ppb | 1.6798 | 4.3 | 20.7437 |
| V 292.401 | 103.136 | ppb | 0.3893 | 0.4 | 2349.33 |
| Zn 206.200 | 102.219 | ppb | 2.4112 | 2.4 | 9871104 |

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

ics 680-273820/3-a (Samp) 4/24/2013, 11:04:57 PM Rack 2, Tube 20
 Weight: 1 Volume: 1 Dilution: 1

| Label | Replicates Concentration | | |
|------------|--------------------------|---------|---------|
| Ag 328.068 | 188.685 | 185.331 | 192.454 |
| Al 308.215 | 2102.79 | 2101.53 | 2060.13 |
| As 188.980 | 218.968 | 216.095 | 213.232 |
| B 249.678 | 368.290 | 365.894 | 359.910 |
| Ba 389.178 | 202.418 | 201.039 | 196.190 |
| Be 313.042 | 214.376 | 212.281 | 207.665 |
| Ca 370.602 | 20055 | 19869 | 19488 |
| Cd 226.502 | 211.615 | 208.510 | 204.857 |
| Co 228.615 | 211.999 | 208.797 | 205.353 |
| Cr 267.716 | 210.009 | 208.757 | 203.856 |
| Cu 324.754 | 210.455 | 205.588 | 208.674 |
| Fe 271.441 | 20805.1 | 20563.4 | 20102.1 |
| K 766.491 | 20524.3 | 20370.2 | 19766.7 |
| Mg 279.078 | 20494.1 | 20292.2 | 19839.3 |
| Mn 257.610 | 2169.32 | 2145.06 | 2107.97 |
| Mo 202.032 | 200.571 | 198.265 | 194.582 |
| Na 330.237 | 18616.4 | 18763.1 | 17386.8 |
| Ni 231.604 | 208.821 | 206.946 | 203.198 |
| Pb 220.353 | 202.586 | 206.687 | 192.723 |
| Sb 206.834 | 193.424 | 189.467 | 186.444 |
| Se 196.026 | 211.383 | 205.673 | 201.917 |
| Sn 189.925 | 196.637 | 198.458 | 195.048 |
| Sr 216.596 | 217.747 | 214.046 | 209.953 |
| Ti 334.941 | 199.947 | 198.002 | 193.819 |
| Tl 190.794 | 33.1398 | 37.1343 | 39.0166 |
| V 292.401 | 204.279 | 202.315 | 197.093 |
| Zn 206.200 | 209.901 | 212.452 | 208.743 |

| Label | Sol'n Conc. | Units | SD | %RSD | Int. (c/s) |
|------------|-------------|-------|---------|------|------------|
| Ag 328.068 | 188.824 | ppb | 3.5638 | 1.9 | 12324.0 |
| Al 308.215 | 2088.15 | ppb | 24.2731 | 1.2 | 4019.75 |
| As 188.980 | 216.098 | ppb | 2.8678 | 1.3 | 79.4473 |
| B 249.678 | 364.698 | ppb | 4.3158 | 1.2 | 4366.59 |
| Ba 389.178 | 199.882 | ppb | 3.2715 | 1.6 | 3678.99 |
| Be 313.042 | 211.441 | ppb | 3.4338 | 1.6 | 326032 |
| Ca 370.602 | 19804 | ppb | 288.8 | 1.5 | 45669 |
| Cd 226.502 | 208.327 | ppb | 3.3831 | 1.6 | 6435.12 |
| Co 228.615 | 208.716 | ppb | 3.3234 | 1.6 | 1793.74 |
| Cr 267.716 | 207.541 | ppb | 3.2520 | 1.6 | 5697.88 |
| Cu 324.754 | 208.239 | ppb | 2.4622 | 1.2 | 9858.08 |
| Fe 271.441 | 20490.2 | ppb | 357.178 | 1.7 | 29794.4 |
| K 766.491 | 20220.4 | ppb | 400.421 | 2.0 | 550066 |
| Mg 279.078 | 20208.5 | ppb | 335.342 | 1.7 | 36633.5 |
| Mn 257.610 | 2140.78 | ppb | 30.8985 | 1.4 | 442541 |
| Mo 202.032 | 197.806 | ppb | 3.0208 | 1.5 | 1252.90 |
| Na 330.237 | 18255.4 | ppb | 755.847 | 4.1 | 766.884 |
| Ni 231.604 | 206.322 | ppb | 2.8625 | 1.4 | 468.498 |
| Pb 220.353 | 200.665 | ppb | 7.1772 | 3.6 | 292.728 |
| Sb 206.834 | 189.778 | ppb | 3.5004 | 1.8 | 172.182 |
| Se 196.026 | 206.324 | ppb | 4.7667 | 2.3 | 99.2152 |
| Sn 189.925 | 196.714 | ppb | 1.7064 | 0.9 | 116.935 |
| Sr 216.596 | 213.916 | ppb | 3.8987 | 1.8 | 1841.51 |
| Ti 334.941 | 197.256 | ppb | 3.1318 | 1.6 | 42991.6 |
| Tl 190.794 | 36.4302 | ppb | 3.0010 | 8.2 | 16.2971 |
| V 292.401 | 201.229 | ppb | 3.7144 | 1.8 | 4590.35 |
| Zn 206.200 | 210.365 | ppb | 1.8980 | 0.9 | 199.077 |

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

680-89400-f-6-b (Samp) 4/24/2013, 11:10:33 PM Rack 2, Tube 21
 Weight: 1 Volume: 1 Dilution: 1

| Label | Replicates Concentration | | |
|------------|--------------------------|-----------|----------|
| Ag 328.068 | -0.1281u | -0.3483u | -0.0939u |
| Al 308.215 | 245.222 | 242.571 | 243.627 |
| As 188.980 | 3.4796 | 4.7429 | 3.2241 |
| B 249.678 | 3296.92 | 3306.10 | 3307.12 |
| Ba 389.178 | 10.1056 | 10.0458 | 10.7770 |
| Be 313.042 | 0.1575u | 0.1588u | 0.1688u |
| Ca 370.602 | 140548 | 140728 | 140226 |
| Cd 226.502 | 0.5066 | 0.3454u | 0.3507u |
| Co 228.615 | -0.0873u | 0.0051 | 0.8904 |
| Cr 267.716 | 22.3259 | 22.7913 | 23.0731 |
| Cu 324.754 | 1.1430 | 1.2752 | 1.3764 |
| Fe 271.441 | 107.537 | 117.307 | 112.992 |
| K 766.491 | 316425x | 316094x | 315026x |
| Mg 279.078 | 285759 | 285021 | 284481 |
| Mn 257.610 | 33.5435 | 33.4127 | 33.2347 |
| Mo 202.032 | 1.5723 | 0.3076 | 0.5378 |
| Na 330.237 | 3429007x | 3393851x | 3407630x |
| Ni 231.604 | 7.7815 | 9.0305 | 7.5933 |
| Pb 220.353 | 3.7568 | 7.7322 | 0.8447 |
| Sb 206.834 | -0.8702u | 6.8099 | -4.8353u |
| Se 196.026 | 11.5656 | 17.6153 | 19.6661 |
| Sn 189.925 | -8.2605u | -5.9536u | -2.4516u |
| Sr 216.596 | 2418.26 | 2425.06 | 2414.12 |
| Ti 334.941 | 1.5132 | 1.5383 | 1.5223 |
| Tl 190.794 | -12.7456u | -10.1015u | -6.9692u |
| V 292.401 | 15.7641 | 15.7365 | 15.7345 |
| Zn 206.200 | 27.5339 | 25.2236 | 29.0368 |

| Label | Sol'n Conc. | Units | SD | %RSD | Int. (c/s) |
|------------|-------------|-------|---------|--------|------------|
| Ag 328.068 | -0.1901b | ppb | 0.1381 | 72.6 | -141.050 |
| Al 308.215 | 243.807b | ppb | 1.3350 | 0.5 | 439.485 |
| As 188.980 | 3.8155b | ppb | 0.8133 | 21.3 | -8.9014 |
| B 249.678 | 3303.38b | ppb | 5.6154 | 0.2 | 35884.4 |
| Ba 389.178 | 10.3095b | ppb | 0.4060 | 3.9 | 744.057 |
| Be 313.042 | 0.1617b | ppb | 0.0062 | 3.8 | -352.319 |
| Ca 370.602 | 140501b | ppb | 254.3 | 0.2 | 332306 |
| Cd 226.502 | 0.4009b | ppb | 0.0916 | 22.8 | 35.8530 |
| Co 228.615 | 0.2694b | ppb | 0.5398 | 200.4 | -4.7696 |
| Cr 267.716 | 22.7301b | ppb | 0.3774 | 1.7 | 631.012 |
| Cu 324.754 | 1.2649b | ppb | 0.1170 | 9.3 | 203.513 |
| Fe 271.441 | 112.612b | ppb | 4.8964 | 4.3 | 191.782 |
| K 766.491 | 315848xb | ppb | 731.019 | 0.2 | 8589369 |
| Mg 279.078 | 285087b | ppb | 641.706 | 0.2 | 516743 |
| Mn 257.610 | 33.3970b | ppb | 0.1550 | 0.5 | 8423.32 |
| Mo 202.032 | 0.8059b | ppb | 0.6736 | 83.6 | 25.7007 |
| Na 330.237 | 3410163xb | ppb | 17714.4 | 0.5 | 133721 |
| Ni 231.604 | 8.1351b | ppb | 0.7811 | 9.6 | 11.2529 |
| Pb 220.353 | 4.1112b | ppb | 3.4574 | 84.1 | 38.6837 |
| Sb 206.834 | 0.3681b | ppb | 5.9205 | 1608.3 | -0.0983 |
| Se 196.026 | 16.2824b | ppb | 4.2116 | 25.9 | 16.4565 |
| Sn 189.925 | -5.5552b | ppb | 2.9248 | 52.7 | -10.7453 |
| Sr 216.596 | 2419.15b | ppb | 5.5239 | 0.2 | 20614.3 |
| Ti 334.941 | 1.5246b | ppb | 0.0127 | 0.8 | 1113.66 |
| Tl 190.794 | -9.9388b | ppb | 2.8916 | 29.1 | -18.6213 |
| V 292.401 | 15.7450b | ppb | 0.0165 | 0.1 | 336.422 |
| Zn 206.200 | 27.2648b | ppb | 1.9208 | 7.0 | 2871578 |

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

680-89400-e-6-b (Samp) 4/24/2013, 11:16:09 PM Rack 2, Tube 22

Weight: 1 Volume: 1 Dilution: 1

| Label | Replicates Concentration | | |
|------------|--------------------------|-----------|-----------|
| Ag 328.068 | -0.4455u | -0.4209u | -0.3971u |
| Al 308.215 | 105.376 | 111.567 | 108.789 |
| As 188.980 | 7.0101 | -2.5596u | 13.2979 |
| B 249.678 | 3221.13 | 3230.84 | 3214.15 |
| Ba 389.178 | 9.1906 | 8.7945 | 9.1719 |
| Be 313.042 | 0.1526u | 0.1497u | 0.1491u |
| Ca 370.602 | 133915 | 134686 | 133672 |
| Cd 226.502 | 0.5123 | 0.7185 | 0.3329u |
| Co 228.615 | -0.0625u | 0.7172 | 0.1934 |
| Cr 267.716 | 20.9653 | 21.6786 | 21.1569 |
| Cu 324.754 | 0.6816 | 0.6247 | 0.4741 |
| Fe 271.441 | 18.6820 | 16.7576 | 23.0883 |
| K 766.491 | 302687x | 304715x | 303100x |
| Mg 279.078 | 272960 | 273996 | 271798 |
| Mn 257.610 | 31.1918 | 31.4184 | 31.0761 |
| Mo 202.032 | 0.3606 | -0.6405u | -1.3459u |
| Na 330.237 | 3278492x | 3297511x | 3262081x |
| Ni 231.604 | 8.9053 | 6.0066 | 7.3104 |
| Pb 220.353 | 1.0584 | 2.1459 | 7.3585 |
| Sb 206.834 | -2.5625u | -6.8918u | -1.2124u |
| Se 196.026 | 15.3545 | 23.8596 | 6.6382 |
| Sn 189.925 | -0.5634 | -4.3972u | -0.7290 |
| Sr 216.596 | 2300.79 | 2314.91 | 2294.91 |
| Ti 334.941 | 0.0313 | 0.0014 | 0.0393 |
| Tl 190.794 | -6.7430u | -10.3262u | -17.2539u |
| V 292.401 | 14.0977 | 14.7195 | 14.4349 |
| Zn 206.200 | 4.7746 | 5.4436 | 5.2379 |

| Label | Sol'n Conc. | Units | SD | %RSD | Int. (c/s) |
|------------|-------------|-------|---------|-------|------------|
| Ag 328.068 | -0.4212b | ppb | 0.0242 | 5.7 | -151.861 |
| Al 308.215 | 108.578b | ppb | 3.1009 | 2.9 | 177.479 |
| As 188.980 | 5.9161b | ppb | 7.9851 | 135.0 | -8.0285 |
| B 249.678 | 3222.04b | ppb | 8.3855 | 0.3 | 35012.7 |
| Ba 389.178 | 9.0523b | ppb | 0.2235 | 2.5 | 695.985 |
| Be 313.042 | 0.1505b | ppb | 0.0019 | 1.2 | -358.504 |
| Ca 370.602 | 134091b | ppb | 529.2 | 0.4 | 317152 |
| Cd 226.502 | 0.5212b | ppb | 0.1929 | 37.0 | 39.6585 |
| Co 228.615 | 0.2827b | ppb | 0.3974 | 140.6 | -4.6582 |
| Cr 267.716 | 21.2670b | ppb | 0.3692 | 1.7 | 589.396 |
| Cu 324.754 | 0.5935b | ppb | 0.1072 | 18.1 | 172.170 |
| Fe 271.441 | 19.5093b | ppb | 3.2454 | 16.6 | 56.6451 |
| K 766.491 | 303500xb | ppb | 1071.44 | 0.4 | 8253589 |
| Mg 279.078 | 272918b | ppb | 1100.01 | 0.4 | 494687 |
| Mn 257.610 | 31.2288b | ppb | 0.1742 | 0.6 | 7912.31 |
| Mo 202.032 | -0.5420b | ppb | 0.8575 | 158.2 | 17.3024 |
| Na 330.237 | 3279361xb | ppb | 17731.0 | 0.5 | 128594 |
| Ni 231.604 | 7.4074b | ppb | 1.4518 | 19.6 | 9.5736 |
| Pb 220.353 | 3.5210b | ppb | 3.3676 | 95.6 | 37.9244 |
| Sb 206.834 | -3.5556b | ppb | 2.9671 | 83.4 | -3.6415 |
| Se 196.026 | 15.2841b | ppb | 8.6109 | 56.3 | 16.0237 |
| Sn 189.925 | -1.8965b | ppb | 2.1672 | 114.3 | -8.4555 |
| Sr 216.596 | 2303.54b | ppb | 10.2781 | 0.4 | 19630.2 |
| Ti 334.941 | 0.0240b | ppb | 0.0200 | 83.3 | 751.810 |
| Tl 190.794 | -11.4410b | ppb | 5.3434 | 46.7 | -19.8526 |
| V 292.401 | 14.4174b | ppb | 0.3113 | 2.2 | 306.860 |
| Zn 206.200 | 5.1520b | ppb | 0.3427 | 6.7 | 57.4790 |

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

680-89400-f-7-b (Samp) 4/24/2013, 11:21:45 PM Rack 2, Tube 23
 Weight: 1 Volume: 1 Dilution: 1

| Label | Replicates Concentration | | |
|------------|--------------------------|-----------|----------|
| Ag 328.068 | -0.4328u | -0.4124u | -1.2052u |
| Al 308.215 | 140.742 | 141.577 | 145.109 |
| As 188.980 | 34.1275 | 33.5022 | 22.2963 |
| B 249.678 | 3428.51 | 3467.14 | 3500.07 |
| Ba 389.178 | 80.1891 | 80.4912 | 81.7275 |
| Be 313.042 | 0.1857u | 0.1842u | 0.1794u |
| Ca 370.602 | 225723 | 226199 | 229469 |
| Cd 226.502 | 0.3530u | 0.6133 | 0.5585 |
| Co 228.615 | 1.8289 | 0.8259 | 0.6392 |
| Cr 267.716 | 36.6418 | 37.2634 | 37.5143 |
| Cu 324.754 | 1.3316 | 1.3177 | 1.6069 |
| Fe 271.441 | 98.2506 | 86.3128 | 94.6453 |
| K 766.491 | 411199x | 414214x | 418387x |
| Mg 279.078 | 331660 | 334176 | 336429 |
| Mn 257.610 | 97.6670 | 98.6153 | 99.2570 |
| Mo 202.032 | -0.0258u | -1.1661u | -1.3330u |
| Na 330.237 | 4296930x | 4328364x | 4392437x |
| Ni 231.604 | 12.6859 | 13.7809 | 13.7459 |
| Pb 220.353 | 4.0599 | 2.9698 | 0.8623 |
| Sb 206.834 | -4.9342u | -3.7397u | -6.3429u |
| Se 196.026 | 4.9645 | 18.8310 | 14.8833 |
| Sn 189.925 | 0.5228 | -10.7833u | 2.9198 |
| Sr 216.596 | 4093.29 | 4132.32 | 4153.88 |
| Ti 334.941 | 0.7806 | 0.7372 | 0.8657 |
| Tl 190.794 | -14.8834u | -7.3663u | -8.9131u |
| V 292.401 | 2.4501 | 1.8311 | 2.5924 |
| Zn 206.200 | 10.6847 | 9.8371 | 6.2731 |

| Label | Sol'n Conc. | Units | SD | %RSD | Int. (c/s) |
|------------|-------------|-------|---------|-------|------------|
| Ag 328.068 | -0.6835b | ppb | 0.4520 | 66.1 | -242.616 |
| Al 308.215 | 142.476b | ppb | 2.3186 | 1.6 | 243.201 |
| As 188.980 | 29.9753b | ppb | 6.6575 | 22.2 | 1.9740 |
| B 249.678 | 3465.24b | ppb | 35.8181 | 1.0 | 37619.3 |
| Ba 389.178 | 80.8026b | ppb | 0.8151 | 1.0 | 2130.49 |
| Be 313.042 | 0.1831b | ppb | 0.0033 | 1.8 | -381.975 |
| Ca 370.602 | 227130b | ppb | 2039 | 0.9 | 537206 |
| Cd 226.502 | 0.5083b | ppb | 0.1373 | 27.0 | 35.6308 |
| Co 228.615 | 1.0980b | ppb | 0.6398 | 58.3 | 2.5163 |
| Cr 267.716 | 37.1398b | ppb | 0.4492 | 1.2 | 1037.22 |
| Cu 324.754 | 1.4187b | ppb | 0.1631 | 11.5 | 210.760 |
| Fe 271.441 | 93.0696b | ppb | 6.1229 | 6.6 | 163.438 |
| K 766.491 | 414600xb | ppb | 3609.24 | 0.9 | 11274833 |
| Mg 279.078 | 334088b | ppb | 2385.34 | 0.7 | 605555 |
| Mn 257.610 | 98.5131b | ppb | 0.7999 | 0.8 | 22129.9 |
| Mo 202.032 | -0.8417b | ppb | 0.7114 | 84.5 | 15.4502 |
| Na 330.237 | 4339244xb | ppb | 48673.9 | 1.1 | 170136 |
| Ni 231.604 | 13.4042b | ppb | 0.6223 | 4.6 | 23.3994 |
| Pb 220.353 | 2.6307b | ppb | 1.6256 | 61.8 | 36.7845 |
| Sb 206.834 | -5.0056b | ppb | 1.3031 | 26.0 | -4.7983 |
| Se 196.026 | 12.8929b | ppb | 7.1443 | 55.4 | 15.0047 |
| Sn 189.925 | -2.4469b | ppb | 7.3183 | 299.1 | -8.5065 |
| Sr 216.596 | 4126.50b | ppb | 30.7142 | 0.7 | 35146.7 |
| Ti 334.941 | 0.7945b | ppb | 0.0654 | 8.2 | 1074.41 |
| Tl 190.794 | -10.3876b | ppb | 3.9695 | 38.2 | -19.0756 |
| V 292.401 | 2.2912b | ppb | 0.4047 | 17.7 | 20.6259 |
| Zn 206.200 | 8.9316b | ppb | 2.3411 | 26.2 | 10.9834 |

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

680-89400-e-7-b (Samp) 4/24/2013, 11:27:21 PM Rack 2, Tube 24

Weight: 1

Volume: 1

Dilution: 1

| Label | Replicates Concentration | | |
|------------|--------------------------|-----------|-----------|
| Ag 328.068 | -0.5678u | -0.7975u | -0.5689u |
| Al 308.215 | 86.2056 | 87.0202 | 88.7838 |
| As 188.980 | 43.8381 | 38.8908 | 29.0182 |
| B 249.678 | 3305.50 | 3318.20 | 3309.15 |
| Ba 389.178 | 74.6038 | 74.3317 | 77.7236 |
| Be 313.042 | 0.1843u | 0.1831u | 0.1747u |
| Ca 370.602 | 216220 | 215967 | 215936 |
| Cd 226.502 | 0.6347 | 0.5186 | 0.6231 |
| Co 228.615 | 1.6351 | 1.4642 | 0.4377 |
| Cr 267.716 | 36.4737 | 36.2341 | 36.1694 |
| Cu 324.754 | 1.2184 | 1.0656 | 1.4532 |
| Fe 271.441 | 46.5071 | 56.1571 | 60.6805 |
| K 766.491 | 396953x | 397447x | 397702x |
| Mg 279.078 | 317365 | 317133 | 317629 |
| Mn 257.610 | 86.2747 | 86.3612 | 86.3272 |
| Mo 202.032 | -1.3742u | -1.0803u | -0.6425u |
| Na 330.237 | 4102875x | 4112378x | 4121280x |
| Ni 231.604 | 12.7222 | 13.1221 | 14.2081 |
| Pb 220.353 | 3.8853 | 5.0730 | 8.0941 |
| Sb 206.834 | 3.1971 | -2.8810u | 1.1250 |
| Se 196.026 | 8.1377 | 9.1306 | 11.2832 |
| Sn 189.925 | -0.8267 | -4.6423u | -1.8665u |
| Sr 216.596 | 3916.37 | 3906.29 | 3903.32 |
| Ti 334.941 | 1.2735 | 1.1907 | 1.2731 |
| Tl 190.794 | -14.0269u | -15.0217u | -16.3822u |
| V 292.401 | 2.5616 | 2.0715 | 2.1089 |
| Zn 206.200 | 9.3308 | 5.4244 | 6.8691 |

| Label | Sol'n Conc. | Units | SD | %RSD | Int. (c/s) |
|------------|-------------|-------|---------|-------|------------|
| Ag 328.068 | -0.6447b | ppb | 0.1323 | 20.5 | -230.531 |
| Al 308.215 | 87.3366b | ppb | 1.3179 | 1.5 | 136.391 |
| As 188.980 | 37.2490b | ppb | 7.5451 | 20.3 | 4.9975 |
| B 249.678 | 3310.95b | ppb | 6.5395 | 0.2 | 35965.8 |
| Ba 389.178 | 75.5530b | ppb | 1.8847 | 2.5 | 2000.05 |
| Be 313.042 | 0.1807b | ppb | 0.0052 | 2.9 | -367.494 |
| Ca 370.602 | 216041b | ppb | 155.9 | 0.1 | 510980 |
| Cd 226.502 | 0.5922b | ppb | 0.0639 | 10.8 | 38.8378 |
| Co 228.615 | 1.1790b | ppb | 0.6476 | 54.9 | 3.2089 |
| Cr 267.716 | 36.2924b | ppb | 0.1603 | 0.4 | 1011.67 |
| Cu 324.754 | 1.2457b | ppb | 0.1952 | 15.7 | 202.684 |
| Fe 271.441 | 54.4482b | ppb | 7.2396 | 13.3 | 107.354 |
| K 766.491 | 397367xb | ppb | 380.804 | 0.1 | 10806200 |
| Mg 279.078 | 317376b | ppb | 247.917 | 0.1 | 575264 |
| Mn 257.610 | 86.3210b | ppb | 0.0436 | 0.1 | 19523.9 |
| Mo 202.032 | -1.0323b | ppb | 0.3682 | 35.7 | 14.2632 |
| Na 330.237 | 4112178xb | ppb | 9203.88 | 0.2 | 161236 |
| Ni 231.604 | 13.3508b | ppb | 0.7689 | 5.8 | 23.2754 |
| Pb 220.353 | 5.6841b | ppb | 2.1699 | 38.2 | 40.7297 |
| Sb 206.834 | 0.4804b | ppb | 3.0899 | 643.2 | 0.1471 |
| Se 196.026 | 9.5171b | ppb | 1.6080 | 16.9 | 13.5416 |
| Sn 189.925 | -2.4451b | ppb | 1.9725 | 80.7 | -8.5663 |
| Sr 216.596 | 3908.66b | ppb | 6.8388 | 0.2 | 33292.5 |
| Ti 334.941 | 1.2458b | ppb | 0.0477 | 3.8 | 1126.36 |
| Tl 190.794 | -15.1436b | ppb | 1.1824 | 7.8 | -22.9793 |
| V 292.401 | 2.2473b | ppb | 0.2728 | 12.1 | 20.9258 |
| Zn 206.200 | 7.2081b | ppb | 1.9752 | 27.4 | 9.3736 |

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

Cont Calib Verif (CCV) 4/24/2013, 11:32:57 PM Rack 2, Tube 25
 Weight: 1 Volume: 1 Dilution: 1

| Label | Replicates Concentration | | |
|------------|--------------------------|---------|---------|
| Ag 328.068 | 452.225 | 481.719 | 520.243 |
| Al 308.215 | 4558.31 | 4791.64 | 5215.07 |
| As 188.980 | 471.574 | 480.970 | 519.635 |
| B 249.678 | 502.641 | 525.203 | 569.920 |
| Ba 389.178 | 4705.32 | 4944.00 | 5367.67 |
| Be 313.042 | 480.760 | 504.989 | 551.266 |
| Ca 370.602 | 4597 | 4824 | 5234 |
| Cd 226.502 | 478.120 | 499.717 | 544.940 |
| Co 228.615 | 478.429 | 502.148 | 546.691 |
| Cr 267.716 | 4780.93 | 5018.75 | 5459.85 |
| Cu 324.754 | 4631.17 | 4912.98 | 5405.82 |
| Fe 271.441 | 4567.29 | 4796.09 | 5219.82 |
| K 766.491 | 9285.03 | 9777.19 | 10402.5 |
| Mg 279.078 | 4639.12 | 4855.90 | 5269.71 |
| Mn 257.610 | 4810.52 | 5033.98 | 5485.55 |
| Mo 202.032 | 455.385 | 476.636 | 519.693 |
| Na 330.237 | 6584.38 | 7213.35 | 7712.00 |
| Ni 231.604 | 2417.28 | 2541.12 | 2750.86 |
| Pb 220.353 | 457.694 | 482.995 | 525.411 |
| Sb 206.834 | 872.236 | 923.963 | 1008.97 |
| Se 196.026 | 4621.94 | 4834.65 | 5254.35 |
| Sn 189.925 | 4545.21 | 4894.57 | 5397.91 |
| Sr 216.596 | 2325.43 | 2435.41 | 2646.49 |
| Ti 334.941 | 457.987 | 480.686 | 521.893 |
| Tl 190.794 | 4618.74 | 4859.13 | 5266.95 |
| V 292.401 | 4580.94 | 4797.40 | 5218.61 |
| Zn 206.200 | 2409.51 | 2513.12 | 2720.16 |

| Label | Sol'n Conc. | Units | SD | %RSD | Int. (c/s) | QC Value |
|------------|-------------|-------|---------|------|------------|-----------|
| Ag 328.068 | 484.729 | ppb | 34.1086 | 7.0 | 31635.9 | 96.94582 |
| Al 308.215 | 4855.00 | ppb | 332.935 | 6.9 | 9364.02 | 97.10007 |
| As 188.980 | 490.727 | ppb | 25.4725 | 5.2 | 193.462 | 98.14533 |
| B 249.678 | 532.588 | ppb | 34.2421 | 6.4 | 6182.62 | 21.30352Q |
| Ba 389.178 | 5005.67 | ppb | 335.451 | 6.7 | 91277.3 | 100.11330 |
| Be 313.042 | 512.338 | ppb | 35.8225 | 7.0 | 790319 | 102.46769 |
| Ca 370.602 | 4885 | ppb | 323.1 | 6.6 | 11460 | 97.69506 |
| Cd 226.502 | 507.593 | ppb | 34.0989 | 6.7 | 15488.0 | 101.51852 |
| Co 228.615 | 509.089 | ppb | 34.6566 | 6.8 | 4395.73 | 101.81788 |
| Cr 267.716 | 5086.51 | ppb | 344.494 | 6.8 | 140136 | 101.73016 |
| Cu 324.754 | 4983.32 | ppb | 392.090 | 7.9 | 232351 | 99.66647 |
| Fe 271.441 | 4861.07 | ppb | 331.082 | 6.8 | 7188.93 | 97.22136 |
| K 766.491 | 9821.56 | ppb | 560.034 | 5.7 | 267280 | 98.21560 |
| Mg 279.078 | 4921.58 | ppb | 320.382 | 6.5 | 8882.44 | 98.43156 |
| Mn 257.610 | 5110.02 | ppb | 343.878 | 6.7 | 1055938 | 102.20038 |
| Mo 202.032 | 483.905 | ppb | 32.7645 | 6.8 | 3029.96 | 96.78098 |
| Na 330.237 | 7169.91 | ppb | 565.066 | 7.9 | 321.010 | 95.59883 |
| Ni 231.604 | 2569.75 | ppb | 168.621 | 6.6 | 5916.56 | 102.79017 |
| Pb 220.353 | 488.700 | ppb | 34.2173 | 7.0 | 664.986 | 97.74001 |
| Sb 206.834 | 935.056 | ppb | 69.0385 | 7.4 | 887.566 | 93.50561 |
| Se 196.026 | 4903.65 | ppb | 321.800 | 6.6 | 2131.54 | 98.07299 |
| Sn 189.925 | 4945.90 | ppb | 428.662 | 8.7 | 3135.90 | 98.91795 |
| Sr 216.596 | 2469.11 | ppb | 163.160 | 6.6 | 20981.9 | 98.76430 |
| Ti 334.941 | 486.855 | ppb | 32.3968 | 6.7 | 105990 | 97.37108 |
| Tl 190.794 | 4914.94 | ppb | 327.690 | 6.7 | 4036.99 | 98.29884 |
| V 292.401 | 4865.65 | ppb | 324.268 | 6.7 | 111798 | 97.31302 |
| Zn 206.200 | 2547.60 | ppb | 158.172 | 6.2 | 2376.21 | 101.90385 |

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

Cont Calib Blank (CCB) 4/24/2013, 11:38:32 PM Rack 2, Tube 26
 Weight: 1 Volume: 1 Dilution: 1

| Label | Replicates Concentration | | |
|------------|--------------------------|----------|-----------|
| Ag 328.068 | -0.3048u | -0.1759u | 0.1430 |
| Al 308.215 | 5.4541 | -0.9236u | 3.2573 |
| As 188.980 | 6.5747 | 3.6026 | 1.7542 |
| B 249.678 | 4.1312 | 4.0857 | 1.2200 |
| Ba 389.178 | 0.8617 | -0.0224u | -0.4256u |
| Be 313.042 | 0.0185 | 0.0022 | 0.0066 |
| Ca 370.602 | 2.493 | 4.585 | 2.453 |
| Cd 226.502 | -0.2206u | -0.2178u | -0.2971u |
| Co 228.615 | -0.3291u | -0.2206u | -1.6631u |
| Cr 267.716 | 0.6210 | -0.0296u | -0.1303u |
| Cu 324.754 | -0.7040u | -0.5189u | -0.4692u |
| Fe 271.441 | -1.6676u | 0.1103 | 1.4316 |
| K 766.491 | 0.0815 | 1.9678 | 1.5431 |
| Mg 279.078 | -1.2591u | 3.8328 | 1.9077 |
| Mn 257.610 | 0.0135 | -0.0408u | 0.0021 |
| Mo 202.032 | -1.4523u | -1.0485u | -0.6170u |
| Na 330.237 | -364.692u | 24.4818 | -105.493u |
| Ni 231.604 | 0.2756 | 1.2362 | 0.4078 |
| Pb 220.353 | -4.4511u | -2.6325u | 1.9937 |
| Sb 206.834 | 1.3014 | -6.9916u | -3.9081u |
| Se 196.026 | 0.7142 | -4.3447u | 6.5258 |
| Sn 189.925 | -1.8704u | 4.0352 | 2.6827 |
| Sr 216.596 | -0.2043u | -0.0935u | -0.4821u |
| Ti 334.941 | -0.0782u | -0.0483u | -0.0289u |
| Tl 190.794 | 4.1047 | -2.0328u | -3.9158u |
| V 292.401 | 0.2781 | 0.0752 | -0.2053u |
| Zn 206.200 | -3.5896u | -0.4474u | -1.6225u |

| Label | Sol'n Conc. | Units | SD | %RSD | Int. (c/s) | QC Value |
|------------|-------------|-------|---------|--------|------------|------------|
| Ag 328.068 | -0.1126 | ppb | 0.2305 | 204.8 | -36.3722 | -0.11257 |
| Al 308.215 | 2.5959 | ppb | 3.2399 | 124.8 | -27.7593 | 2.59592 |
| As 188.980 | 3.9772 | ppb | 2.4320 | 61.1 | -8.8346 | 3.97718 |
| B 249.678 | 3.1456 | ppb | 1.6678 | 53.0 | 513.553 | 3.14562 |
| Ba 389.178 | 0.1379 | ppb | 0.6585 | 477.5 | -29.2602 | 0.13790 |
| Be 313.042 | 0.0091 | ppb | 0.0084 | 92.6 | -303.499 | 0.00908 |
| Ca 370.602 | 3.177 | ppb | 1.220 | 38.4 | 4.815 | 3.17709 |
| Cd 226.502 | -0.2451 | ppb | 0.0450 | 18.4 | 27.3864 | -0.24515 |
| Co 228.615 | -0.7376 | ppb | 0.8033 | 108.9 | -13.7367 | -0.73759 |
| Cr 267.716 | 0.1537 | ppb | 0.4078 | 265.4 | -23.7619 | 0.15369 |
| Cu 324.754 | -0.5641 | ppb | 0.1237 | 21.9 | 118.327 | -0.56407 |
| Fe 271.441 | -0.0419 | ppb | 1.5552 | 3709.7 | 27.9459 | -0.04192 |
| K 766.491 | 1.1975 | ppb | 0.9895 | 82.6 | 224.932 | 1.19748 |
| Mg 279.078 | 1.4938 | ppb | 2.5711 | 172.1 | 35.8233 | 1.49376 |
| Mn 257.610 | -0.0084 | ppb | 0.0286 | 340.1 | 48.2719 | -0.00841 |
| Mo 202.032 | -1.0393 | ppb | 0.4177 | 40.2 | 14.2249 | -1.03928 |
| Na 330.237 | -148.568 | ppb | 198.130 | 133.4 | 52.6162 | -148.56763 |
| Ni 231.604 | 0.6399 | ppb | 0.5206 | 81.4 | -6.0280 | 0.63987 |
| Pb 220.353 | -1.6966 | ppb | 3.3228 | 195.8 | 31.1783 | -1.69663 |
| Sb 206.834 | -3.1995 | ppb | 4.1917 | 131.0 | -3.5059 | -3.19947 |
| Se 196.026 | 0.9651 | ppb | 5.4396 | 563.6 | 9.8218 | 0.96508 |
| Sn 189.925 | 1.6159 | ppb | 3.0940 | 191.5 | -7.0967 | 1.61586 |
| Sr 216.596 | -0.2599 | ppb | 0.2002 | 77.0 | 19.5953 | -0.25993 |
| Ti 334.941 | -0.0518 | ppb | 0.0248 | 48.0 | -38.9768 | -0.05179 |
| Tl 190.794 | -0.6146 | ppb | 4.1941 | 682.4 | -10.8864 | -0.61465 |
| V 292.401 | 0.0493 | ppb | 0.2428 | 492.1 | -5.5074 | 0.04933 |
| Zn 206.200 | -1.8865 | ppb | 1.5876 | 84.2 | 0.9364 | -1.88650 |

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

680-89400-f-8-d (Samp) 4/24/2013, 11:44:07 PM Rack 2, Tube 27
 Weight: 1 Volume: 1 Dilution: 1

| Label | Replicates Concentration | | |
|------------|--------------------------|----------|----------|
| Ag 328.068 | 0.1495 | -0.4530u | -0.2256u |
| Al 308.215 | 7.5630 | -0.8994u | 9.9554 |
| As 188.980 | -0.3479u | -2.2114u | 0.7604 |
| B 249.678 | 19.3640 | 19.8868 | 20.6268 |
| Ba 389.178 | -0.9832u | 0.3219 | 0.4714 |
| Be 313.042 | -0.0020u | -0.0053u | -0.0052u |
| Ca 370.602 | 10.21 | 10.61 | 12.93 |
| Cd 226.502 | 0.0487 | -0.3734u | 0.0285 |
| Co 228.615 | -0.7447u | 0.2730 | -0.0037u |
| Cr 267.716 | 0.0434 | 0.0471 | 0.2993 |
| Cu 324.754 | 1.2973 | 0.4572 | 1.1087 |
| Fe 271.441 | 0.8215 | -2.6254u | 12.2410 |
| K 766.491 | 3.2992 | 4.2402 | 4.8316 |
| Mg 279.078 | 6.9884 | 2.2386 | 1.0274 |
| Mn 257.610 | -0.0997u | -0.1090u | -0.0968u |
| Mo 202.032 | -1.0324u | -1.0760u | -0.9375u |
| Na 330.237 | -42.0651u | 130.597 | -1.8855u |
| Ni 231.604 | -0.6472u | 0.0808 | 0.9316 |
| Pb 220.353 | -1.2405u | 0.7693 | 0.5386 |
| Sb 206.834 | -7.2667u | -3.6273u | -3.9139u |
| Se 196.026 | -0.0385u | 7.1661 | -3.0199u |
| Sn 189.925 | 1.4556 | -5.0341u | -2.3892u |
| Sr 216.596 | -0.1054u | 0.3184 | 0.8199 |
| Ti 334.941 | -0.0934u | -0.1023u | -0.1971u |
| Tl 190.794 | -4.8891u | -2.9968u | 0.7192 |
| V 292.401 | -0.0700u | -0.2118u | -0.1573u |
| Zn 206.200 | -0.4886u | 0.2379 | 1.2634 |

| Label | Sol'n Conc. | Units | SD | %RSD | Int. (c/s) |
|------------|-------------|-------|---------|--------|------------|
| Ag 328.068 | -0.1764 | ppb | 0.3042 | 172.5 | -40.5681 |
| Al 308.215 | 5.5397 | ppb | 5.7032 | 103.0 | -22.0641 |
| As 188.980 | -0.5996 | ppb | 1.5018 | 250.5 | -10.7372 |
| B 249.678 | 19.9592 | ppb | 0.6345 | 3.2 | 693.750 |
| Ba 389.178 | -0.0633 | ppb | 0.8001 | 1263.9 | -32.9223 |
| Be 313.042 | -0.0041 | ppb | 0.0019 | 45.1 | -323.893 |
| Ca 370.602 | 11.25 | ppb | 1.470 | 13.1 | 23.70 |
| Cd 226.502 | -0.0987 | ppb | 0.2381 | 241.2 | 31.8495 |
| Co 228.615 | -0.1584 | ppb | 0.5262 | 332.1 | -8.7318 |
| Cr 267.716 | 0.1300 | ppb | 0.1467 | 112.9 | -24.4143 |
| Cu 324.754 | 0.9544 | ppb | 0.4408 | 46.2 | 189.091 |
| Fe 271.441 | 3.4790 | ppb | 7.7813 | 223.7 | 33.1596 |
| K 766.491 | 4.1236 | ppb | 0.7728 | 18.7 | 304.506 |
| Mg 279.078 | 3.4181 | ppb | 3.1507 | 92.2 | 39.3119 |
| Mn 257.610 | -0.1018 | ppb | 0.0064 | 6.3 | 28.9868 |
| Mo 202.032 | -1.0153 | ppb | 0.0708 | 7.0 | 14.3745 |
| Na 330.237 | 28.8821 | ppb | 90.3494 | 312.8 | 59.5569 |
| Ni 231.604 | 0.1217 | ppb | 0.7902 | 649.2 | -7.2224 |
| Pb 220.353 | 0.0225 | ppb | 1.0998 | 4897.2 | 33.4002 |
| Sb 206.834 | -4.9359 | ppb | 2.0235 | 41.0 | -5.0715 |
| Se 196.026 | 1.3692 | ppb | 5.2369 | 382.5 | 9.9966 |
| Sn 189.925 | -1.9892 | ppb | 3.2633 | 164.0 | -9.3884 |
| Sr 216.596 | 0.3443 | ppb | 0.4632 | 134.5 | 24.7403 |
| Ti 334.941 | -0.1309 | ppb | 0.0575 | 43.9 | -56.2109 |
| Tl 190.794 | -2.3889 | ppb | 2.8531 | 119.4 | -12.3488 |
| V 292.401 | -0.1464 | ppb | 0.0715 | 48.9 | -9.9959 |
| Zn 206.200 | 0.3376 | ppb | 0.8893 | 260.8 | 37.0164 |

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

680-89400-e-8-b (Samp) 4/24/2013, 11:49:42 PM Rack 2, Tube 28

Weight: 1

Volume: 1

Dilution: 1

| Label | Replicates Concentration | | |
|------------|--------------------------|----------|-----------|
| Ag 328.068 | -0.2509u | 0.0599 | -0.1789u |
| Al 308.215 | -2.6014u | -3.5895u | 2.0939 |
| As 188.980 | -0.1778u | -2.0516u | -1.7677u |
| B 249.678 | 13.7444 | 15.9111 | 12.4995 |
| Ba 389.178 | -0.2331u | 0.8144 | -0.1727u |
| Be 313.042 | -0.0081u | -0.0227u | -0.0013u |
| Ca 370.602 | 2.677 | 6.360 | 3.786 |
| Cd 226.502 | -0.2812u | -0.0257u | 0.0252 |
| Co 228.615 | -0.3809u | 0.5468 | -0.7881u |
| Cr 267.716 | 0.2975 | 0.0463 | 0.4811 |
| Cu 324.754 | -0.2945u | -0.2508u | -0.2901u |
| Fe 271.441 | -4.3324u | 7.5531 | -0.9100u |
| K 766.491 | 1.5129 | 2.6299 | 2.0323 |
| Mg 279.078 | 6.9827 | 5.1185 | -0.3817u |
| Mn 257.610 | -0.1043u | -0.0367u | -0.1248u |
| Mo 202.032 | -0.3883u | -0.5016u | -0.7925u |
| Na 330.237 | 75.1577 | 103.274 | -15.9205u |
| Ni 231.604 | -0.5231u | -0.2849u | 0.4382 |
| Pb 220.353 | 2.4577 | -1.0193u | 0.3635 |
| Sb 206.834 | 0.1509 | -3.7252u | -5.3032u |
| Se 196.026 | 3.1827 | 1.8722 | -10.4729u |
| Sn 189.925 | -3.9720u | -1.7287u | 1.5627 |
| Sr 216.596 | -0.1962u | -0.2935u | 1.1797 |
| Ti 334.941 | -0.0985u | -0.0716u | -0.0685u |
| Tl 190.794 | -5.9431u | -0.7495u | -2.4287u |
| V 292.401 | -0.5006u | -0.4592u | -0.1289u |
| Zn 206.200 | -0.6716u | -0.7647u | -0.8484u |

| Label | Sol'n Conc. | Units | SD | %RSD | Int. (c/s) |
|------------|-------------|-------|---------|-------|------------|
| Ag 328.068 | -0.1233 | ppb | 0.1627 | 131.9 | -37.0884 |
| Al 308.215 | -1.3657 | ppb | 3.0366 | 222.4 | -35.4184 |
| As 188.980 | -1.3324 | ppb | 1.0099 | 75.8 | -11.0419 |
| B 249.678 | 14.0517 | ppb | 1.7264 | 12.3 | 630.437 |
| Ba 389.178 | 0.1362 | ppb | 0.5881 | 431.8 | -29.2832 |
| Be 313.042 | -0.0107 | ppb | 0.0109 | 102.2 | -334.082 |
| Ca 370.602 | 4.274 | ppb | 1.890 | 44.2 | 7.310 |
| Cd 226.502 | -0.0939 | ppb | 0.1642 | 174.9 | 31.9903 |
| Co 228.615 | -0.2074 | ppb | 0.6841 | 329.8 | -9.1642 |
| Cr 267.716 | 0.2750 | ppb | 0.2183 | 79.4 | -20.4163 |
| Cu 324.754 | -0.2784 | ppb | 0.0241 | 8.6 | 131.649 |
| Fe 271.441 | 0.7702 | ppb | 6.1183 | 794.3 | 29.1893 |
| K 766.491 | 2.0584 | ppb | 0.5590 | 27.2 | 248.343 |
| Mg 279.078 | 3.9065 | ppb | 3.8289 | 98.0 | 40.1966 |
| Mn 257.610 | -0.0886 | ppb | 0.0461 | 52.1 | 31.7234 |
| Mo 202.032 | -0.5608 | ppb | 0.2085 | 37.2 | 17.2092 |
| Na 330.237 | 54.1705 | ppb | 62.3073 | 115.0 | 60.5565 |
| Ni 231.604 | -0.1233 | ppb | 0.5006 | 406.2 | -7.7872 |
| Pb 220.353 | 0.6006 | ppb | 1.7506 | 291.5 | 34.1471 |
| Sb 206.834 | -2.9592 | ppb | 2.8066 | 94.8 | -3.2920 |
| Se 196.026 | -1.8060 | ppb | 7.5343 | 417.2 | 8.6232 |
| Sn 189.925 | -1.3793 | ppb | 2.7838 | 201.8 | -9.0007 |
| Sr 216.596 | 0.2300 | ppb | 0.8239 | 358.2 | 23.7574 |
| Ti 334.941 | -0.0796 | ppb | 0.0165 | 20.7 | -45.0250 |
| Tl 190.794 | -3.0404 | ppb | 2.6503 | 87.2 | -12.8862 |
| V 292.401 | -0.3629 | ppb | 0.2037 | 56.1 | -15.0619 |
| Zn 206.200 | -0.7616 | ppb | 0.0885 | 11.6 | -1.9883 |

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

640-43185-e-1-a (Samp) 4/24/2013, 11:55:17 PM Rack 2, Tube 29

Weight: 1 Volume: 1 Dilution: 1

| Label | Replicates Concentration | | |
|------------|--------------------------|----------|----------|
| Ag 328.068 | 0.0030u | -0.1127u | -0.0324u |
| Al 308.215 | 10.1303 | 6.5232 | 4.7619 |
| As 188.980 | 40.7573 | 38.7838 | 36.1235 |
| B 249.678 | 161.853 | 163.232 | 162.713 |
| Ba 389.178 | 108.815 | 109.627 | 109.727 |
| Be 313.042 | -0.0075u | -0.0075u | -0.0100u |
| Ca 370.602 | 35083 | 35108 | 35063 |
| Cd 226.502 | 0.1434 | 0.0141 | 0.0532 |
| Co 228.615 | 0.3428 | 0.3518 | -0.6634u |
| Cr 267.716 | 0.4511 | 0.4715 | 0.2225 |
| Cu 324.754 | 0.5885 | 0.5297 | 0.4986 |
| Fe 271.441 | 2728.90 | 2728.51 | 2729.79 |
| K 766.491 | 4142.35 | 4150.71 | 4150.89 |
| Mg 279.078 | 14603.5 | 14571.9 | 14574.1 |
| Mn 257.610 | 784.406 | 784.668 | 784.208 |
| Mo 202.032 | 6.6252 | 6.4069 | 6.7890 |
| Na 330.237 | 169834x | 170325x | 169415x |
| Ni 231.604 | 8.3418 | 9.7588 | 7.6025 |
| Pb 220.353 | 2.1580 | 0.5070 | 2.5848 |
| Sb 206.834 | -0.0849u | -1.4715u | -2.9997u |
| Se 196.026 | 8.4765 | -1.8681u | 0.7678 |
| Sn 189.925 | -1.9161u | -0.0590 | -0.4920u |
| Sr 216.596 | 197.847 | 196.547 | 196.698 |
| Ti 334.941 | -0.2338u | -0.1367 | -0.1725 |
| Tl 190.794 | -9.3613u | -2.4691u | 0.2949u |
| V 292.401 | -0.0336u | 0.0640u | 0.4732 |
| Zn 206.200 | -0.4663u | 0.5480 | 0.3468 |

| Label | Sol'n Conc. | Units | SD | %RSD | Int. (c/s) |
|------------|-------------|-------|---------|--------|------------|
| Ag 328.068 | -0.0474b | ppb | 0.0593 | 125.2 | -37.3323 |
| Al 308.215 | 7.1385b | ppb | 2.7366 | 38.3 | -18.6186 |
| As 188.980 | 38.5549b | ppb | 2.3254 | 6.0 | 5.5566 |
| B 249.678 | 162.599b | ppb | 0.6963 | 0.4 | 2219.59 |
| Ba 389.178 | 109.389b | ppb | 0.5001 | 0.5 | 1996.15 |
| Be 313.042 | -0.0083b | ppb | 0.0014 | 17.2 | -337.133 |
| Ca 370.602 | 35085b | ppb | 22.69 | 0.1 | 82832 |
| Cd 226.502 | 0.0702b | ppb | 0.0663 | 94.4 | 44.9478 |
| Co 228.615 | 0.0104b | ppb | 0.5835 | 5609.5 | -7.5351 |
| Cr 267.716 | 0.3817b | ppb | 0.1383 | 36.2 | -13.5480 |
| Cu 324.754 | 0.5389b | ppb | 0.0457 | 8.5 | 170.681 |
| Fe 271.441 | 2729.07b | ppb | 0.6556 | 0.0 | 3988.75 |
| K 766.491 | 4147.98b | ppb | 4.8796 | 0.1 | 112993 |
| Mg 279.078 | 14583.1b | ppb | 17.6412 | 0.1 | 26454.2 |
| Mn 257.610 | 784.427b | ppb | 0.2310 | 0.0 | 162213 |
| Mo 202.032 | 6.6070b | ppb | 0.1917 | 2.9 | 61.7850 |
| Na 330.237 | 169858xb | ppb | 455.716 | 0.3 | 6715.43 |
| Ni 231.604 | 8.5677b | ppb | 1.0958 | 12.8 | 12.2974 |
| Pb 220.353 | 1.7500b | ppb | 1.0973 | 62.7 | 35.7568 |
| Sb 206.834 | -1.5187b | ppb | 1.4580 | 96.0 | -2.0245 |
| Se 196.026 | 2.4587b | ppb | 5.3756 | 218.6 | 10.6516 |
| Sn 189.925 | -0.8224b | ppb | 0.9717 | 118.2 | -8.5924 |
| Sr 216.596 | 197.031b | ppb | 0.7111 | 0.4 | 1701.48 |
| Ti 334.941 | -0.1810b | ppb | 0.0491 | 27.1 | -25.2235 |
| Tl 190.794 | -3.8452b | ppb | 4.9730 | 129.3 | -14.6162 |
| V 292.401 | 0.1678b | ppb | 0.2689 | 160.2 | -4.9480 |
| Zn 206.200 | 0.1428b | ppb | 0.5370 | 120.8 | 2.8341 |

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640-43185-e-1-b ms (Samp) 4/25/2013, 12:00:52 AM Rack 2, Tube 30**Weight: 1****Volume: 1****Dilution: 1**

| Label | Replicates Concentration | | |
|------------|--------------------------|---------|---------|
| Ag 328.068 | 8.3161 | 8.1489 | 8.1246 |
| Al 308.215 | 5520.52 | 5545.01 | 5535.52 |
| As 188.980 | 137.184 | 141.694 | 146.789 |
| B 249.678 | 375.608 | 379.171 | 380.607 |
| Ba 389.178 | 219.861 | 219.445 | 219.558 |
| Be 313.042 | 55.2716 | 55.3471 | 55.2490 |
| Ca 370.602 | 41397 | 41510 | 41390 |
| Cd 226.502 | 54.8100 | 55.2880 | 54.7523 |
| Co 228.615 | 55.2194 | 53.8047 | 53.1203 |
| Cr 267.716 | 109.206 | 109.569 | 108.824 |
| Cu 324.754 | 107.291 | 108.322 | 108.042 |
| Fe 271.441 | 7885.91 | 7917.72 | 7886.04 |
| K 766.491 | 10472.7 | 10484.2 | 10496.4 |
| Mg 279.078 | 20231.7 | 20270.8 | 20202.7 |
| Mn 257.610 | 1365.25 | 1366.58 | 1363.64 |
| Mo 202.032 | 109.440 | 110.280 | 109.574 |
| Na 330.237 | 183917x | 183082x | 183189x |
| Ni 231.604 | 112.465 | 115.826 | 113.558 |
| Pb 220.353 | 59.3227 | 53.8210 | 50.7426 |
| Sb 206.834 | 44.8170 | 44.2076 | 53.1644 |
| Se 196.026 | 105.784 | 107.612 | 107.783 |
| Sn 189.925 | 208.845 | 206.189 | 204.922 |
| Sr 216.596 | 305.946 | 308.352 | 306.784 |
| Ti 334.941 | 101.669 | 102.073 | 101.712 |
| Tl 190.794 | 35.6659 | 34.4739 | 37.3986 |
| V 292.401 | 104.869 | 104.383 | 104.651 |
| Zn 206.200 | 109.246 | 109.366 | 106.379 |

| Label | Sol'n Conc. | Units | SD | %RSD | Int. (c/s) |
|------------|-------------|-------|---------|------|------------|
| Ag 328.068 | 8.1965b | ppb | 0.1042 | 1.3 | 499.881 |
| Al 308.215 | 5533.68b | ppb | 12.3485 | 0.2 | 10690.5 |
| As 188.980 | 141.889b | ppb | 4.8055 | 3.4 | 48.5300 |
| B 249.678 | 378.462b | ppb | 2.5739 | 0.7 | 4527.60 |
| Ba 389.178 | 219.621b | ppb | 0.2150 | 0.1 | 4024.30 |
| Be 313.042 | 55.2892b | ppb | 0.0514 | 0.1 | 85004.2 |
| Ca 370.602 | 41432b | ppb | 67.20 | 0.2 | 97559 |
| Cd 226.502 | 54.9501b | ppb | 0.2941 | 0.5 | 1730.19 |
| Co 228.615 | 54.0481b | ppb | 1.0705 | 2.0 | 458.542 |
| Cr 267.716 | 109.199b | ppb | 0.3722 | 0.3 | 2986.90 |
| Cu 324.754 | 107.885b | ppb | 0.5332 | 0.5 | 5176.43 |
| Fe 271.441 | 7896.56b | ppb | 18.3238 | 0.2 | 11496.4 |
| K 766.491 | 10484.4b | ppb | 11.8409 | 0.1 | 285306 |
| Mg 279.078 | 20235.1b | ppb | 34.1644 | 0.2 | 36689.6 |
| Mn 257.610 | 1365.16b | ppb | 1.4708 | 0.1 | 282248 |
| Mo 202.032 | 109.765b | ppb | 0.4514 | 0.4 | 704.627 |
| Na 330.237 | 183396xb | ppb | 454.592 | 0.2 | 7243.66 |
| Ni 231.604 | 113.950b | ppb | 1.7144 | 1.5 | 255.327 |
| Pb 220.353 | 54.6288b | ppb | 4.3467 | 8.0 | 103.966 |
| Sb 206.834 | 47.3963b | ppb | 5.0046 | 10.6 | 42.3991 |
| Se 196.026 | 107.060b | ppb | 1.1080 | 1.0 | 56.0473 |
| Sn 189.925 | 206.652b | ppb | 2.0019 | 1.0 | 123.301 |
| Sr 216.596 | 307.027b | ppb | 1.2216 | 0.4 | 2635.12 |
| Ti 334.941 | 101.818b | ppb | 0.2219 | 0.2 | 22202.1 |
| Tl 190.794 | 35.8461b | ppb | 1.4706 | 4.1 | 17.2129 |
| V 292.401 | 104.634b | ppb | 0.2434 | 0.2 | 2381.51 |
| Zn 206.200 | 108.330b | ppb | 1.6914 | 1.6 | 107.824 |

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640-43185-e-1-c msd (Samp) 4/25/2013, 12:06:28 AM Rack 2, Tube 31**Weight: 1****Volume: 1****Dilution: 1**

| Label | Replicates Concentration | | |
|------------|--------------------------|---------|---------|
| Ag 328.068 | 39.0459 | 37.4613 | 37.8068 |
| Al 308.215 | 5730.79 | 5542.45 | 5552.17 |
| As 188.980 | 149.390 | 151.232 | 146.522 |
| B 249.678 | 397.891 | 381.969 | 385.931 |
| Ba 389.178 | 228.629 | 219.830 | 221.914 |
| Be 313.042 | 57.1140 | 55.0892 | 55.3387 |
| Ca 370.602 | 43359 | 41953 | 42098 |
| Cd 226.502 | 56.8724 | 54.7330 | 55.1299 |
| Co 228.615 | 56.7345 | 54.9286 | 54.7507 |
| Cr 267.716 | 112.771 | 109.421 | 109.697 |
| Cu 324.754 | 115.219 | 108.554 | 108.603 |
| Fe 271.441 | 8241.36 | 7946.25 | 7963.44 |
| K 766.491 | 10896.9 | 10598.3 | 10645.3 |
| Mg 279.078 | 21167.8 | 20445.6 | 20560.0 |
| Mn 257.610 | 1428.17 | 1374.98 | 1383.11 |
| Mo 202.032 | 113.898 | 110.502 | 110.513 |
| Na 330.237 | 194430x | 186426x | 186041x |
| Ni 231.604 | 120.345 | 116.010 | 115.885 |
| Pb 220.353 | 51.8674 | 52.4392 | 50.1451 |
| Sb 206.834 | 50.3037 | 50.4558 | 49.1729 |
| Se 196.026 | 105.718 | 113.513 | 106.625 |
| Sn 189.925 | 211.258 | 205.044 | 207.674 |
| Sr 216.596 | 321.586 | 310.291 | 311.981 |
| Ti 334.941 | 105.556 | 101.834 | 102.153 |
| Tl 190.794 | 34.8515 | 41.9220 | 39.9312 |
| V 292.401 | 108.039 | 104.501 | 105.030 |
| Zn 206.200 | 115.130 | 107.900 | 107.227 |

| Label | Sol'n Conc. | Units | SD | %RSD | Int. (c/s) |
|------------|-------------|-------|---------|------|------------|
| Ag 328.068 | 38.1047b | ppb | 0.8333 | 2.2 | 2456.58 |
| Al 308.215 | 5608.47b | ppb | 106.047 | 1.9 | 10835.5 |
| As 188.980 | 149.048b | ppb | 2.3737 | 1.6 | 51.5069 |
| B 249.678 | 388.597b | ppb | 8.2891 | 2.1 | 4636.05 |
| Ba 389.178 | 223.457b | ppb | 4.5980 | 2.1 | 4095.46 |
| Be 313.042 | 55.8473b | ppb | 1.1040 | 2.0 | 85865.1 |
| Ca 370.602 | 42470b | ppb | 773.0 | 1.8 | 100004 |
| Cd 226.502 | 55.5784b | ppb | 1.1381 | 2.0 | 1749.78 |
| Co 228.615 | 55.4713b | ppb | 1.0976 | 2.0 | 470.798 |
| Cr 267.716 | 110.630b | ppb | 1.8599 | 1.7 | 3026.46 |
| Cu 324.754 | 110.792b | ppb | 3.8339 | 3.5 | 5312.00 |
| Fe 271.441 | 8050.35b | ppb | 165.644 | 2.1 | 11719.6 |
| K 766.491 | 10713.5b | ppb | 160.545 | 1.5 | 291535 |
| Mg 279.078 | 20724.5b | ppb | 388.157 | 1.9 | 37576.2 |
| Mn 257.610 | 1395.42b | ppb | 28.6498 | 2.1 | 288503 |
| Mo 202.032 | 111.638b | ppb | 1.9576 | 1.8 | 716.296 |
| Na 330.237 | 188966xb | ppb | 4736.03 | 2.5 | 7461.92 |
| Ni 231.604 | 117.413b | ppb | 2.5398 | 2.2 | 263.314 |
| Pb 220.353 | 51.4839b | ppb | 1.1942 | 2.3 | 99.9021 |
| Sb 206.834 | 49.9775b | ppb | 0.7009 | 1.4 | 44.7243 |
| Se 196.026 | 108.619b | ppb | 4.2627 | 3.9 | 56.7290 |
| Sn 189.925 | 207.992b | ppb | 3.1188 | 1.5 | 124.154 |
| Sr 216.596 | 314.619b | ppb | 6.0927 | 1.9 | 2699.74 |
| Ti 334.941 | 103.181b | ppb | 2.0628 | 2.0 | 22500.4 |
| Tl 190.794 | 38.9015b | ppb | 3.6460 | 9.4 | 19.6882 |
| V 292.401 | 105.857b | ppb | 1.9086 | 1.8 | 2409.19 |
| Zn 206.200 | 110.086b | ppb | 4.3815 | 4.0 | 105.463 |

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640-43185-e-1-a (Samp) 4/25/2013, 12:12:03 AM Rack 2, Tube 32

Weight: 1 Volume: 1 Dilution: 1

| Label | Replicates Concentration | | |
|------------|--------------------------|----------|----------|
| Ag 328.068 | -0.1595u | -0.2529u | -0.1715u |
| Al 308.215 | 2.9317 | 1.1039 | 5.0859 |
| As 188.980 | 5.6605 | -1.5672u | 1.9628 |
| B 249.678 | -3.6147u | -5.5504u | -4.6968u |
| Ba 389.178 | 10.8635 | 10.6916 | 11.3432 |
| Be 313.042 | -0.0121u | -0.0029u | 0.0018 |
| Ca 370.602 | 3519 | 3499 | 3496 |
| Cd 226.502 | -0.0291u | 0.0892 | -0.0102 |
| Co 228.615 | -0.5645u | 0.1247 | -0.4838u |
| Cr 267.716 | 0.1737 | 0.1746 | 0.0525 |
| Cu 324.754 | -0.5409u | 0.0157 | -0.1322u |
| Fe 271.441 | 274.207 | 277.009 | 269.565 |
| K 766.491 | 358.893 | 357.824 | 356.086 |
| Mg 279.078 | 1455.14 | 1462.27 | 1452.47 |
| Mn 257.610 | 79.6601 | 79.0780 | 78.9981 |
| Mo 202.032 | 0.5876 | -0.5941u | -0.3548u |
| Na 330.237 | 15648.6 | 15367.9 | 15646.3 |
| Ni 231.604 | 0.3123 | 0.3775 | 0.6930 |
| Pb 220.353 | -2.1973u | 0.0004 | 0.1963 |
| Sb 206.834 | -3.3850u | -1.7403u | -6.9863u |
| Se 196.026 | 1.9412 | 0.2765 | -6.1293u |
| Sn 189.925 | -2.4782u | 0.2832 | 4.4393 |
| Sr 216.596 | 20.0526 | 20.0485 | 19.2459 |
| Ti 334.941 | -0.1052u | -0.1348u | -0.1521u |
| Tl 190.794 | -4.0259u | -5.2023u | -4.0557u |
| V 292.401 | -0.2013u | -0.3110u | -0.1183u |
| Zn 206.200 | -2.1015u | 1.7366 | -1.7424u |

| Label | Sol'n Conc. | Units | SD | %RSD | Int. (c/s) |
|------------|-------------|-------|---------|-------|------------|
| Ag 328.068 | -0.1946 | ppb | 0.0508 | 26.1 | -42.2762 |
| Al 308.215 | 3.0405 | ppb | 1.9933 | 65.6 | -26.8743 |
| As 188.980 | 2.0187 | ppb | 3.6142 | 179.0 | -9.6470 |
| B 249.678 | -4.6206 | ppb | 0.9701 | 21.0 | 430.019 |
| Ba 389.178 | 10.9661 | ppb | 0.3377 | 3.1 | 171.515 |
| Be 313.042 | -0.0044 | ppb | 0.0071 | 160.9 | -324.809 |
| Ca 370.602 | 3505 | ppb | 12.55 | 0.4 | 8272 |
| Cd 226.502 | 0.0166 | ppb | 0.0636 | 382.1 | 36.1712 |
| Co 228.615 | -0.3079 | ppb | 0.3768 | 122.4 | -10.0449 |
| Cr 267.716 | 0.1336 | ppb | 0.0702 | 52.5 | -23.9316 |
| Cu 324.754 | -0.2191 | ppb | 0.2883 | 131.6 | 134.497 |
| Fe 271.441 | 273.594 | ppb | 3.7596 | 1.4 | 425.167 |
| K 766.491 | 357.601 | ppb | 1.4168 | 0.4 | 9916.98 |
| Mg 279.078 | 1456.63 | ppb | 5.0690 | 0.3 | 2672.15 |
| Mn 257.610 | 79.2454 | ppb | 0.3614 | 0.5 | 16432.2 |
| Mo 202.032 | -0.1204 | ppb | 0.6248 | 518.9 | 19.9428 |
| Na 330.237 | 15554.3 | ppb | 161.436 | 1.0 | 668.026 |
| Ni 231.604 | 0.4609 | ppb | 0.2036 | 44.2 | -6.4355 |
| Pb 220.353 | -0.6669 | ppb | 1.3290 | 199.3 | 32.5219 |
| Sb 206.834 | -4.0372 | ppb | 2.6831 | 66.5 | -4.2632 |
| Se 196.026 | -1.3039 | ppb | 4.2610 | 326.8 | 8.8590 |
| Sn 189.925 | 0.7481 | ppb | 3.4821 | 465.5 | -7.6432 |
| Sr 216.596 | 19.7823 | ppb | 0.4646 | 2.3 | 190.460 |
| Ti 334.941 | -0.1307 | ppb | 0.0237 | 18.2 | -51.9007 |
| Tl 190.794 | -4.4280 | ppb | 0.6707 | 15.1 | -14.1377 |
| V 292.401 | -0.2102 | ppb | 0.0966 | 46.0 | -11.6582 |
| Zn 206.200 | -0.7024 | ppb | 2.1499 | 301.8 | -2.0438 |

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640-43185-e-1-b ms (Samp) 4/25/2013, 12:17:39 AM Rack 2, Tube 33

Weight: 1

Volume: 1

Dilution: 1

| Label | Replicates Concentration | | |
|------------|--------------------------|----------|----------|
| Ag 328.068 | 0.6630 | 0.7201 | 0.9592 |
| Al 308.215 | 535.259 | 531.403 | 471.458 |
| As 188.980 | 18.6380 | 11.9857 | 18.4242 |
| B 249.678 | 9.5072 | 9.6453 | 4.4676 |
| Ba 389.178 | 22.4429 | 21.7880 | 19.6640 |
| Be 313.042 | 5.4603 | 5.4628 | 4.8574 |
| Ca 370.602 | 4068 | 4065 | 3625 |
| Cd 226.502 | 5.4931 | 5.2144 | 4.5060 |
| Co 228.615 | 5.0579 | 5.1925 | 4.6028 |
| Cr 267.716 | 11.0096 | 10.7794 | 9.6672 |
| Cu 324.754 | 10.0740 | 9.9244 | 7.8294 |
| Fe 271.441 | 786.934 | 781.524 | 695.798 |
| K 766.491 | 868.420 | 867.548 | 763.409 |
| Mg 279.078 | 2009.84 | 2004.64 | 1764.55 |
| Mn 257.610 | 135.958 | 135.776 | 120.310 |
| Mo 202.032 | 10.9429 | 10.1073 | 8.4666 |
| Na 330.237 | 16496.6 | 16408.9 | 14719.8 |
| Ni 231.604 | 10.4223 | 12.1269 | 11.5756 |
| Pb 220.353 | 3.5621 | 4.0545 | -0.8830u |
| Sb 206.834 | 6.2491 | 2.2963 | 2.2917 |
| Se 196.026 | 22.5343 | 13.1045 | 7.1150 |
| Sn 189.925 | 15.5349 | 18.9286 | 16.0938 |
| Sr 216.596 | 30.3508 | 31.1795 | 26.7126 |
| Ti 334.941 | 9.8285 | 9.8174 | 8.7240 |
| Tl 190.794 | -3.0462u | -0.9131u | 2.7656 |
| V 292.401 | 10.3848 | 9.8775 | 8.9268 |
| Zn 206.200 | 8.1789 | 9.5979 | 5.6143 |

| Label | Sol'n Conc. | Units | SD | %RSD | Int. (c/s) |
|------------|-------------|-------|---------|-------|------------|
| Ag 328.068 | 0.7808 | ppb | 0.1572 | 20.1 | 21.3530 |
| Al 308.215 | 512.707 | ppb | 35.7743 | 7.0 | 960.769 |
| As 188.980 | 16.3493 | ppb | 3.7805 | 23.1 | -3.6882 |
| B 249.678 | 7.8734 | ppb | 2.9503 | 37.5 | 563.414 |
| Ba 389.178 | 21.2983 | ppb | 1.4527 | 6.8 | 361.487 |
| Be 313.042 | 5.2602 | ppb | 0.3488 | 6.6 | 7800.04 |
| Ca 370.602 | 3919 | ppb | 254.7 | 6.5 | 9226 |
| Cd 226.502 | 5.0712 | ppb | 0.5089 | 10.0 | 191.394 |
| Co 228.615 | 4.9511 | ppb | 0.3090 | 6.2 | 35.3024 |
| Cr 267.716 | 10.4854 | ppb | 0.7178 | 6.8 | 261.479 |
| Cu 324.754 | 9.2759 | ppb | 1.2550 | 13.5 | 577.294 |
| Fe 271.441 | 754.752 | ppb | 51.1272 | 6.8 | 1124.21 |
| K 766.491 | 833.126 | ppb | 60.3780 | 7.2 | 22848.4 |
| Mg 279.078 | 1926.34 | ppb | 140.139 | 7.3 | 3522.74 |
| Mn 257.610 | 130.681 | ppb | 8.9823 | 6.9 | 27063.7 |
| Mo 202.032 | 9.8389 | ppb | 1.2598 | 12.8 | 82.0068 |
| Na 330.237 | 15875.1 | ppb | 1001.50 | 6.3 | 680.379 |
| Ni 231.604 | 11.3749 | ppb | 0.8698 | 7.6 | 18.7331 |
| Pb 220.353 | 2.2445 | ppb | 2.7197 | 121.2 | 36.2710 |
| Sb 206.834 | 3.6124 | ppb | 2.2835 | 63.2 | 2.6643 |
| Se 196.026 | 14.2513 | ppb | 7.7734 | 54.5 | 15.6007 |
| Sn 189.925 | 16.8525 | ppb | 1.8196 | 10.8 | 2.5942 |
| Sr 216.596 | 29.4143 | ppb | 2.3761 | 8.1 | 272.156 |
| Ti 334.941 | 9.4566 | ppb | 0.6346 | 6.7 | 2037.19 |
| Tl 190.794 | -0.3979 | ppb | 2.9399 | 738.8 | -10.8952 |
| V 292.401 | 9.7297 | ppb | 0.7401 | 7.6 | 215.350 |
| Zn 206.200 | 7.7970 | ppb | 2.0191 | 25.9 | 99746 |

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640-43185-e-1-c msd (Samp) **4/25/2013, 12:23:15 AM** **Rack 2, Tube 34****Weight: 1****Volume: 1****Dilution: 1**

| Label | Replicates Concentration | | |
|------------|--------------------------|----------|----------|
| Ag 328.068 | 3.6360 | 3.1963 | 4.0058 |
| Al 308.215 | 530.151 | 526.422 | 529.562 |
| As 188.980 | 13.0961 | 9.5024 | 15.4503 |
| B 249.678 | 6.5203 | 6.4743 | 7.2491 |
| Ba 389.178 | 20.9325 | 22.1340 | 21.6258 |
| Be 313.042 | 5.3630 | 5.3959 | 5.4046 |
| Ca 370.602 | 4051 | 4071 | 4085 |
| Cd 226.502 | 5.4729 | 5.0188 | 5.2874 |
| Co 228.615 | 5.3190 | 4.9578 | 4.7171 |
| Cr 267.716 | 10.3536 | 10.8028 | 10.6827 |
| Cu 324.754 | 10.3140 | 10.2237 | 10.1370 |
| Fe 271.441 | 780.425 | 780.697 | 787.757 |
| K 766.491 | 859.503 | 861.592 | 867.911 |
| Mg 279.078 | 1990.45 | 2003.76 | 2012.62 |
| Mn 257.610 | 134.748 | 135.622 | 136.160 |
| Mo 202.032 | 9.3275 | 8.9460 | 9.8767 |
| Na 330.237 | 16546.6 | 16346.0 | 16371.9 |
| Ni 231.604 | 12.1791 | 9.8282 | 11.1889 |
| Pb 220.353 | 7.9659 | 1.9950 | 4.1736 |
| Sb 206.834 | 4.1881 | -1.1012u | -1.2495u |
| Se 196.026 | 15.6880 | 16.2516 | 9.6807 |
| Sn 189.925 | 18.5703 | 20.4604 | 18.9898 |
| Sr 216.596 | 30.3547 | 30.4284 | 30.4165 |
| Ti 334.941 | 9.7697 | 9.8166 | 9.7843 |
| Tl 190.794 | 0.8744 | 0.7697 | -2.6454u |
| V 292.401 | 9.9286 | 9.7026 | 10.0501 |
| Zn 206.200 | 10.8359 | 10.5711 | 11.3792 |

| Label | Sol'n Conc. | Units | SD | %RSD | Int. (c/s) |
|------------|-------------|-------|---------|-------|------------|
| Ag 328.068 | 3.6127 | ppb | 0.4052 | 11.2 | 206.632 |
| Al 308.215 | 528.712 | ppb | 2.0050 | 0.4 | 991.762 |
| As 188.980 | 12.6829 | ppb | 2.9954 | 23.6 | -5.2122 |
| B 249.678 | 6.7479 | ppb | 0.4347 | 6.4 | 551.322 |
| Ba 389.178 | 21.5641 | ppb | 0.6031 | 2.8 | 366.523 |
| Be 313.042 | 5.3878 | ppb | 0.0220 | 0.4 | 7997.11 |
| Ca 370.602 | 4069 | ppb | 17.07 | 0.4 | 9578 |
| Cd 226.502 | 5.2597 | ppb | 0.2283 | 4.3 | 197.214 |
| Co 228.615 | 4.9980 | ppb | 0.3030 | 6.1 | 35.7194 |
| Cr 267.716 | 10.6130 | ppb | 0.2326 | 2.2 | 265.017 |
| Cu 324.754 | 10.2249 | ppb | 0.0885 | 0.9 | 621.519 |
| Fe 271.441 | 782.960 | ppb | 4.1565 | 0.5 | 1165.17 |
| K 766.491 | 863.002 | ppb | 4.3777 | 0.5 | 23660.9 |
| Mg 279.078 | 2002.28 | ppb | 11.1615 | 0.6 | 3660.31 |
| Mn 257.610 | 135.510 | ppb | 0.7126 | 0.5 | 28061.9 |
| Mo 202.032 | 9.3834 | ppb | 0.4679 | 5.0 | 79.1649 |
| Na 330.237 | 16421.5 | ppb | 109.143 | 0.7 | 701.778 |
| Ni 231.604 | 11.0654 | ppb | 1.1804 | 10.7 | 18.0201 |
| Pb 220.353 | 4.7115 | ppb | 3.0216 | 64.1 | 39.4604 |
| Sb 206.834 | 0.6125 | ppb | 3.0975 | 505.7 | -0.0390 |
| Se 196.026 | 13.8734 | ppb | 3.6419 | 26.3 | 15.4385 |
| Sn 189.925 | 19.3401 | ppb | 0.9926 | 5.1 | 4.1758 |
| Sr 216.596 | 30.3999 | ppb | 0.0395 | 0.1 | 280.573 |
| Ti 334.941 | 9.7902 | ppb | 0.0240 | 0.2 | 2110.05 |
| Tl 190.794 | -0.3338 | ppb | 2.0026 | 599.9 | -10.8492 |
| V 292.401 | 9.8938 | ppb | 0.1764 | 1.8 | 219.150 |
| Zn 206.200 | 10.9287 | ppb | 0.4120 | 3.8 | 1259030 |

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

640-43185-e-2-a (Samp) 4/25/2013, 12:28:50 AM Rack 2, Tube 35

Weight: 1

Volume: 1

Dilution: 1

| Label | Replicates Concentration | | |
|------------|--------------------------|----------|----------|
| Ag 328.068 | -0.5427u | -0.6055u | -0.1962u |
| Al 308.215 | 10.2650 | 9.7826 | 8.3863 |
| As 188.980 | -7.7961u | 1.1769 | 3.6821 |
| B 249.678 | 3385.52 | 3401.09 | 3411.94 |
| Ba 389.178 | 644.346 | 644.197 | 645.347 |
| Be 313.042 | 0.1686u | 0.1617u | 0.1726u |
| Ca 370.602 | 127455 | 127454 | 127378 |
| Cd 226.502 | 0.3908 | 0.2279 | 0.0661 |
| Co 228.615 | 0.5997 | 0.7321 | 0.9902 |
| Cr 267.716 | -2.1478u | -1.2106 | -1.1827 |
| Cu 324.754 | 0.0724 | 0.8679 | 1.0827 |
| Fe 271.441 | 8034.85 | 8051.02 | 8049.37 |
| K 766.491 | 177034x | 177066x | 177054x |
| Mg 279.078 | 348141 | 348333 | 348223 |
| Mn 257.610 | 295.107 | 295.203 | 296.553 |
| Mo 202.032 | -0.6481u | -0.9409u | -0.6882u |
| Na 330.237 | 3788150x | 3794037x | 3778741x |
| Ni 231.604 | 5.0274 | 3.5059 | 3.1814 |
| Pb 220.353 | 3.3676 | 8.4587 | 1.4203 |
| Sb 206.834 | -1.0457u | -3.2447u | -6.9716u |
| Se 196.026 | 24.7174 | 12.2456 | 22.4226 |
| Sn 189.925 | -9.8856u | -2.9126u | 3.1180 |
| Sr 216.596 | 2102.16 | 2105.37 | 2100.04 |
| Ti 334.941 | -4.3821 | -4.3401 | -4.2922 |
| Tl 190.794 | -9.3924u | -6.9099u | -9.9177u |
| V 292.401 | 1.4707 | 1.5151 | 1.5198 |
| Zn 206.200 | 1.4295 | 2.2385 | 0.9968 |

| Label | Sol'n Conc. | Units | SD | %RSD | Int. (c/s) |
|------------|-------------|-------|---------|-------|------------|
| Ag 328.068 | -0.4481b | ppb | 0.2204 | 49.2 | -146.788 |
| Al 308.215 | 9.4780b | ppb | 0.9757 | 10.3 | -14.4140 |
| As 188.980 | -0.9790b | ppb | 6.0352 | 616.4 | -10.8419 |
| B 249.678 | 3399.52b | ppb | 13.2795 | 0.4 | 36906.1 |
| Ba 389.178 | 644.630b | ppb | 0.6255 | 0.1 | 12449.8 |
| Be 313.042 | 0.1676b | ppb | 0.0055 | 3.3 | -375.826 |
| Ca 370.602 | 127429b | ppb | 44.39 | 0.0 | 300911 |
| Cd 226.502 | 0.2283b | ppb | 0.1624 | 71.1 | 54.5525 |
| Co 228.615 | 0.7740b | ppb | 0.1986 | 25.7 | -0.8014 |
| Cr 267.716 | -1.5137b | ppb | 0.5493 | 36.3 | -31.7721 |
| Cu 324.754 | 0.6744b | ppb | 0.5322 | 78.9 | 178.281 |
| Fe 271.441 | 8045.08b | ppb | 8.8961 | 0.1 | 11703.9 |
| K 766.491 | 177051xb | ppb | 16.4410 | 0.0 | 4814930 |
| Mg 279.078 | 348232b | ppb | 95.9006 | 0.0 | 631190 |
| Mn 257.610 | 295.621b | ppb | 0.8085 | 0.3 | 62950.1 |
| Mo 202.032 | -0.7591b | ppb | 0.1588 | 20.9 | 15.6220 |
| Na 330.237 | 3786976xb | ppb | 7715.34 | 0.2 | 148488 |
| Ni 231.604 | 3.9049b | ppb | 0.9856 | 25.2 | 1.6462 |
| Pb 220.353 | 4.4155b | ppb | 3.6343 | 82.3 | 39.1284 |
| Sb 206.834 | -3.7540b | ppb | 2.9956 | 79.8 | -3.8501 |
| Se 196.026 | 19.7952b | ppb | 6.6381 | 33.5 | 18.0738 |
| Sn 189.925 | -3.2267b | ppb | 6.5075 | 201.7 | -9.1752 |
| Sr 216.596 | 2102.52b | ppb | 2.6836 | 0.1 | 17922.2 |
| Ti 334.941 | -4.3381b | ppb | 0.0450 | 1.0 | 37.7325 |
| Tl 190.794 | -8.7400b | ppb | 1.6065 | 18.4 | -18.2946 |
| V 292.401 | 1.5019b | ppb | 0.0271 | 1.8 | 7.9634 |
| Zn 206.200 | 1.5549b | ppb | 0.6393 | 40.5 | 4.1555 |

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

640-43185-e-2-a (Samp) 4/25/2013, 12:34:27 AM Rack 2, Tube 36

Weight: 1

Volume: 1

Dilution: 1

| Label | Replicates Concentration | | |
|------------|--------------------------|----------|----------|
| Ag 328.068 | -0.0873u | -0.2940u | 0.1017u |
| Al 308.215 | 2.4383 | -0.2037u | 2.3577 |
| As 188.980 | -1.7194u | -3.5678u | 4.9825 |
| B 249.678 | 340.777 | 329.931 | 279.513 |
| Ba 389.178 | 64.9148 | 63.9775 | 54.6050 |
| Be 313.042 | -0.0137u | 0.0074u | 0.0327 |
| Ca 370.602 | 12813 | 12442 | 10909 |
| Cd 226.502 | 0.0685 | -0.0484 | -0.1862u |
| Co 228.615 | -0.4335u | 0.0996 | 0.3984 |
| Cr 267.716 | -0.2146u | 0.1396 | -0.1089 |
| Cu 324.754 | 0.3559 | -0.1426u | -0.6509u |
| Fe 271.441 | 855.335 | 826.737 | 721.138 |
| K 766.491 | 10983.9 | 10740.0 | 9327.09 |
| Mg 279.078 | 34096.2 | 33220.5 | 28887.6 |
| Mn 257.610 | 30.5918 | 29.7595 | 25.6710 |
| Mo 202.032 | -1.7819u | -0.9889u | -1.5578u |
| Na 330.237 | 318229x | 309401x | 263251x |
| Ni 231.604 | 2.1384 | 1.3529 | 2.0420 |
| Pb 220.353 | 4.2537 | 2.4758 | -4.2603u |
| Sb 206.834 | -0.4036u | 0.1798 | -3.2630u |
| Se 196.026 | 10.0982 | 0.4353 | 2.7301 |
| Sn 189.925 | 1.8323 | 0.7890 | 3.7047 |
| Sr 216.596 | 217.913 | 211.026 | 183.138 |
| Ti 334.941 | -0.5940u | -0.6009u | -0.5455u |
| Tl 190.794 | -4.4300u | -1.1995u | -1.9235u |
| V 292.401 | -0.5135u | -0.0154u | -0.0255u |
| Zn 206.200 | 0.7357 | -0.5973u | -1.2060u |

| Label | Sol'n Conc. | Units | SD | %RSD | Int. (c/s) |
|------------|-------------|-------|---------|--------|------------|
| Ag 328.068 | -0.0932b | ppb | 0.1979 | 212.4 | -43.5984 |
| Al 308.215 | 1.5308b | ppb | 1.5026 | 98.2 | -29.8336 |
| As 188.980 | -0.1016b | ppb | 4.4989 | 4429.0 | -10.5249 |
| B 249.678 | 316.740b | ppb | 32.6924 | 10.3 | 3873.68 |
| Ba 389.178 | 61.1658b | ppb | 5.7011 | 9.3 | 1150.59 |
| Be 313.042 | 0.0088b | ppb | 0.0232 | 265.1 | -328.104 |
| Ca 370.602 | 12055b | ppb | 1010 | 8.4 | 28461 |
| Cd 226.502 | -0.0554b | ppb | 0.1275 | 230.3 | 34.7422 |
| Co 228.615 | 0.0215b | ppb | 0.4214 | 1962.3 | -7.1905 |
| Cr 267.716 | -0.0613b | ppb | 0.1818 | 296.7 | -26.6833 |
| Cu 324.754 | -0.1459b | ppb | 0.5035 | 345.1 | 138.034 |
| Fe 271.441 | 801.070b | ppb | 70.6844 | 8.8 | 1190.74 |
| K 766.491 | 10350.3b | ppb | 894.516 | 8.6 | 281660 |
| Mg 279.078 | 32068.1b | ppb | 2788.99 | 8.7 | 58155.2 |
| Mn 257.610 | 28.6741b | ppb | 2.6339 | 9.2 | 6142.56 |
| Mo 202.032 | -1.4428b | ppb | 0.4088 | 28.3 | 11.6743 |
| Na 330.237 | 296960xb | ppb | 29524.5 | 9.9 | 11697.7 |
| Ni 231.604 | 1.8444b | ppb | 0.4284 | 23.2 | -3.2366 |
| Pb 220.353 | 0.8231b | ppb | 4.4912 | 545.6 | 34.4401 |
| Sb 206.834 | -1.1623b | ppb | 1.8425 | 158.5 | -1.6450 |
| Se 196.026 | 4.4212b | ppb | 5.0486 | 114.2 | 11.3272 |
| Sn 189.925 | 2.1087b | ppb | 1.4773 | 70.1 | -6.7046 |
| Sr 216.596 | 204.026b | ppb | 18.4140 | 9.0 | 1758.81 |
| Ti 334.941 | -0.5801b | ppb | 0.0302 | 5.2 | -58.0048 |
| Tl 190.794 | -2.5177b | ppb | 1.6952 | 67.3 | -12.5244 |
| V 292.401 | -0.1848b | ppb | 0.2847 | 154.1 | -12.3729 |
| Zn 206.200 | -0.3559b | ppb | 0.9932 | 127.1 | -23.3678 |

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

Cont Calib Verif (CCV) 4/25/2013, 12:40:03 AM Rack 2, Tube 37
 Weight: 1 Volume: 1 Dilution: 1

| Label | Replicates Concentration | | |
|------------|--------------------------|---------|---------|
| Ag 328.068 | 502.736 | 497.067 | 497.059 |
| Al 308.215 | 4985.94 | 4979.28 | 5001.92 |
| As 188.980 | 503.150 | 493.082 | 511.202 |
| B 249.678 | 509.882 | 511.907 | 514.341 |
| Ba 389.178 | 5145.78 | 5140.30 | 5162.42 |
| Be 313.042 | 528.673 | 528.677 | 530.594 |
| Ca 370.602 | 5033 | 5022 | 5040 |
| Cd 226.502 | 526.147 | 525.700 | 527.002 |
| Co 228.615 | 526.478 | 526.966 | 528.911 |
| Cr 267.716 | 5208.22 | 5210.04 | 5217.70 |
| Cu 324.754 | 5241.85 | 5145.37 | 5149.62 |
| Fe 271.441 | 5031.71 | 5034.53 | 5051.43 |
| K 766.491 | 10056.2 | 10038.1 | 10091.2 |
| Mg 279.078 | 5092.68 | 5082.41 | 5105.36 |
| Mn 257.610 | 5284.50 | 5283.38 | 5303.46 |
| Mo 202.032 | 498.793 | 498.162 | 499.276 |
| Na 330.237 | 7172.30 | 7350.88 | 7673.01 |
| Ni 231.604 | 2657.47 | 2641.70 | 2650.81 |
| Pb 220.353 | 501.738 | 507.729 | 498.389 |
| Sb 206.834 | 962.827 | 965.406 | 961.679 |
| Se 196.026 | 5088.66 | 5060.42 | 5058.24 |
| Sn 189.925 | 5078.62 | 5049.92 | 5085.53 |
| Sr 216.596 | 2545.35 | 2545.07 | 2549.24 |
| Ti 334.941 | 499.977 | 500.396 | 502.094 |
| Tl 190.794 | 5100.34 | 5097.00 | 5087.57 |
| V 292.401 | 5032.84 | 5027.34 | 5047.58 |
| Zn 206.200 | 2648.71 | 2649.35 | 2632.17 |

| Label | Sol'n Conc. | Units | SD | %RSD | Int. (c/s) | QC Value |
|------------|-------------|-------|---------|------|------------|-----------|
| Ag 328.068 | 498.954 | ppb | 3.2750 | 0.7 | 32564.9 | 99.79079 |
| Al 308.215 | 4989.05 | ppb | 11.6360 | 0.2 | 9623.31 | 99.78093 |
| As 188.980 | 502.478 | ppb | 9.0790 | 1.8 | 198.346 | 100.49557 |
| B 249.678 | 512.044 | ppb | 2.2325 | 0.4 | 5962.23 | 20.48174Q |
| Ba 389.178 | 5149.50 | ppb | 11.5181 | 0.2 | 93901.1 | 102.99001 |
| Be 313.042 | 529.315 | ppb | 1.1076 | 0.2 | 816517 | 105.86292 |
| Ca 370.602 | 5032 | ppb | 9.349 | 0.2 | 11804 | 100.63441 |
| Cd 226.502 | 526.283 | ppb | 0.6617 | 0.1 | 16057.0 | 105.25657 |
| Co 228.615 | 527.451 | ppb | 1.2872 | 0.2 | 4554.58 | 105.49027 |
| Cr 267.716 | 5211.99 | ppb | 5.0300 | 0.1 | 143593 | 104.23977 |
| Cu 324.754 | 5178.95 | ppb | 54.5138 | 1.1 | 241466 | 103.57892 |
| Fe 271.441 | 5039.22 | ppb | 10.6619 | 0.2 | 7451.41 | 100.78445 |
| K 766.491 | 10061.8 | ppb | 26.9962 | 0.3 | 273814 | 100.61829 |
| Mg 279.078 | 5093.48 | ppb | 11.4940 | 0.2 | 9191.51 | 101.86966 |
| Mn 257.610 | 5290.45 | ppb | 11.2810 | 0.2 | 1093220 | 105.80894 |
| Mo 202.032 | 498.744 | ppb | 0.5591 | 0.1 | 3122.21 | 99.74873 |
| Na 330.237 | 7398.73 | ppb | 253.762 | 3.4 | 329.305 | 98.64971 |
| Ni 231.604 | 2649.99 | ppb | 7.9140 | 0.3 | 6101.53 | 105.99966 |
| Pb 220.353 | 502.619 | ppb | 4.7319 | 0.9 | 682.977 | 100.52371 |
| Sb 206.834 | 963.304 | ppb | 1.9088 | 0.2 | 914.711 | 96.33037 |
| Se 196.026 | 5069.11 | ppb | 16.9681 | 0.3 | 2203.14 | 101.38216 |
| Sn 189.925 | 5071.36 | ppb | 18.8823 | 0.4 | 3215.66 | 101.42711 |
| Sr 216.596 | 2546.55 | ppb | 2.3336 | 0.1 | 21639.2 | 101.86219 |
| Ti 334.941 | 500.822 | ppb | 1.1213 | 0.2 | 109032 | 100.16450 |
| Tl 190.794 | 5094.97 | ppb | 6.6247 | 0.1 | 4185.25 | 101.89944 |
| V 292.401 | 5035.92 | ppb | 10.4658 | 0.2 | 115710 | 100.71835 |
| Zn 206.200 | 2643.41 | ppb | 9.7381 | 0.4 | 2465.49 | 105.73647 |

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

Cont Calib Blank (CCB) 4/25/2013, 12:45:38 AM Rack 2, Tube 38

Weight: 1

Volume: 1

Dilution: 1

| Label | Replicates Concentration | | |
|------------|--------------------------|-----------|-----------|
| Ag 328.068 | -0.0972u | -0.1625u | -0.2733u |
| Al 308.215 | 4.1347 | 0.2606 | -2.4883u |
| As 188.980 | 4.9081 | 0.7427 | -4.5605u |
| B 249.678 | -13.9663u | -14.7354u | -15.3168u |
| Ba 389.178 | 0.3226 | 0.8021 | 0.9135 |
| Be 313.042 | 0.0090 | 0.0136 | 0.0023 |
| Ca 370.602 | -6.832u | -0.0488u | 4.237 |
| Cd 226.502 | 0.0235 | -0.0591u | -0.1632u |
| Co 228.615 | 0.1794 | -0.4005u | -0.1663u |
| Cr 267.716 | 0.0702 | 0.0769 | -0.0872u |
| Cu 324.754 | -0.1404u | -0.6114u | -0.2022u |
| Fe 271.441 | -0.6276u | 2.4675 | 1.6140 |
| K 766.491 | -0.5309u | -1.4632u | -0.0325u |
| Mg 279.078 | 0.9472 | 1.5367 | 3.0903 |
| Mn 257.610 | 0.0045 | 0.0403 | -0.0092u |
| Mo 202.032 | -0.4458u | -0.7327u | -1.0633u |
| Na 330.237 | 140.716 | -148.151u | -149.019u |
| Ni 231.604 | 1.2150 | 1.1726 | 2.0573 |
| Pb 220.353 | 2.0035 | 6.5931 | 2.3617 |
| Sb 206.834 | 5.5255 | -3.2609u | 0.9450 |
| Se 196.026 | 4.8094 | -1.8256u | 7.9009 |
| Sn 189.925 | 3.1962 | 3.0783 | 2.7859 |
| Sr 216.596 | 0.4879 | 0.5130 | 0.4195 |
| Ti 334.941 | -0.0822u | -0.0464u | -0.0647u |
| Tl 190.794 | 0.3572 | -1.8079u | -2.9112u |
| V 292.401 | 0.3949 | -0.0785u | 0.1416 |
| Zn 206.200 | -2.0573u | -1.8270u | -1.2782u |

| Label | Sol'n Conc. | Units | SD | %RSD | Int. (c/s) | QC Value |
|------------|-------------|-------|---------|--------|------------|-----------|
| Ag 328.068 | -0.1776 | ppb | 0.0890 | 50.1 | -40.6306 | -0.17765 |
| Al 308.215 | 0.6356 | ppb | 3.3274 | 523.5 | -31.5423 | 0.63564 |
| As 188.980 | 0.3634 | ppb | 4.7456 | 1305.8 | -10.3369 | 0.36344 |
| B 249.678 | -14.6728 | ppb | 0.6774 | 4.6 | 322.577 | -14.67283 |
| Ba 389.178 | 0.6794 | ppb | 0.3140 | 46.2 | -19.3752 | 0.67939 |
| Be 313.042 | 0.0083 | ppb | 0.0057 | 68.6 | -304.758 | 0.00830 |
| Ca 370.602 | -0.8814 | ppb | 5.582 | 633.3 | -5.152 | -0.88139 |
| Cd 226.502 | -0.0663 | ppb | 0.0935 | 141.2 | 32.8455 | -0.06625 |
| Co 228.615 | -0.1291 | ppb | 0.2918 | 225.9 | -8.4919 | -0.12915 |
| Cr 267.716 | 0.0200 | ppb | 0.0929 | 465.0 | -27.4467 | 0.01998 |
| Cu 324.754 | -0.3180 | ppb | 0.2559 | 80.5 | 129.804 | -0.31800 |
| Fe 271.441 | 1.1513 | ppb | 1.5986 | 138.8 | 29.7857 | 1.15132 |
| K 766.491 | -0.6755 | ppb | 0.7262 | 107.5 | 173.998 | -0.67551 |
| Mg 279.078 | 1.8581 | ppb | 1.1071 | 59.6 | 36.4837 | 1.85807 |
| Mn 257.610 | 0.0118 | ppb | 0.0255 | 215.7 | 52.4759 | 0.01184 |
| Mo 202.032 | -0.7473 | ppb | 0.3090 | 41.3 | 16.0453 | -0.74726 |
| Na 330.237 | -52.1513 | ppb | 167.029 | 320.3 | 56.3911 | -52.15133 |
| Ni 231.604 | 1.4817 | ppb | 0.4990 | 33.7 | -4.0873 | 1.48168 |
| Pb 220.353 | 3.6528 | ppb | 2.5527 | 69.9 | 38.0920 | 3.65277 |
| Sb 206.834 | 1.0699 | ppb | 4.3946 | 410.7 | 0.3471 | 1.06989 |
| Se 196.026 | 3.6282 | ppb | 4.9697 | 137.0 | 10.9737 | 3.62822 |
| Sn 189.925 | 3.0201 | ppb | 0.2113 | 7.0 | -6.2040 | 3.02014 |
| Sr 216.596 | 0.4735 | ppb | 0.0484 | 10.2 | 25.7994 | 0.47346 |
| Ti 334.941 | -0.0644 | ppb | 0.0179 | 27.8 | -41.7316 | -0.06443 |
| Tl 190.794 | -1.4539 | ppb | 1.6627 | 114.4 | -11.5783 | -1.45395 |
| V 292.401 | 0.1527 | ppb | 0.2369 | 155.2 | -3.1827 | 0.15267 |
| Zn 206.200 | -1.7208 | ppb | 0.4993 | 288.3 | 15.0914 | -1.72083 |

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

640-43185-c-4-a (Samp) 4/25/2013, 12:51:14 AM Rack 2, Tube 39

Weight: 1

Volume: 1

Dilution: 1

| Label | Replicates Concentration | | |
|------------|--------------------------|----------|----------|
| Ag 328.068 | -0.4239u | -0.5515u | -0.3101u |
| Al 308.215 | 14.2322 | 1.8635 | 8.7231 |
| As 188.980 | 30.7082 | 25.0611 | 21.5795 |
| B 249.678 | 241.635 | 225.133 | 250.830 |
| Ba 389.178 | 768.010 | 719.909 | 791.676 |
| Be 313.042 | -0.0414u | -0.0311u | -0.0280u |
| Ca 370.602 | 154128 | 144597 | 158468 |
| Cd 226.502 | -0.1865 | -0.2936 | -0.1302 |
| Co 228.615 | 0.3636 | 0.9519 | 0.3421 |
| Cr 267.716 | 0.1760 | 0.7041 | 0.2646 |
| Cu 324.754 | 0.3985 | -0.1104u | 0.3556 |
| Fe 271.441 | 16106.5 | 15072.3 | 16596.4 |
| K 766.491 | 23132.5 | 22150.1 | 23625.1 |
| Mg 279.078 | 63570.6 | 59861.0 | 65485.5 |
| Mn 257.610 | 527.700 | 497.704 | 542.990 |
| Mo 202.032 | -0.6649u | -0.4269u | -0.7570u |
| Na 330.237 | 252705x | 242142x | 262003x |
| Ni 231.604 | 5.1108 | 6.5038 | 5.5834 |
| Pb 220.353 | 3.6848 | 3.4760 | 0.1780 |
| Sb 206.834 | -1.4151u | -0.5775u | 1.5605 |
| Se 196.026 | -1.4494u | -2.4997u | 4.9694 |
| Sn 189.925 | 1.2050 | 1.7434 | -0.4632u |
| Sr 216.596 | 1040.35 | 973.012 | 1069.13 |
| Ti 334.941 | -0.7300 | -0.6843 | -0.6701 |
| Tl 190.794 | -2.4714u | -0.6446u | -5.2983u |
| V 292.401 | -0.0123u | -0.2594u | -0.1635u |
| Zn 206.200 | 0.0801 | 1.6153 | -0.3431u |

| Label | Sol'n Conc. | Units | SD | %RSD | Int. (c/s) |
|------------|-------------|-------|---------|--------|------------|
| Ag 328.068 | -0.4285b | ppb | 0.1208 | 28.2 | -98.7315 |
| Al 308.215 | 8.2729b | ppb | 6.1966 | 74.9 | -16.7421 |
| As 188.980 | 25.7829b | ppb | 4.6069 | 17.9 | 0.3353 |
| B 249.678 | 239.199b | ppb | 13.0203 | 5.4 | 3026.44 |
| Ba 389.178 | 759.865b | ppb | 36.5703 | 4.8 | 13972.6 |
| Be 313.042 | -0.0335b | ppb | 0.0070 | 20.8 | -351.142 |
| Ca 370.602 | 152398b | ppb | 7096 | 4.7 | 359497 |
| Cd 226.502 | -0.2034b | ppb | 0.0830 | 40.8 | 78.1184 |
| Co 228.615 | 0.5526b | ppb | 0.3460 | 62.6 | -2.9980 |
| Cr 267.716 | 0.3815b | ppb | 0.2828 | 74.1 | -11.6228 |
| Cu 324.754 | 0.2146b | ppb | 0.2823 | 131.5 | 159.038 |
| Fe 271.441 | 15925.1b | ppb | 778.067 | 4.9 | 23140.0 |
| K 766.491 | 22969.2b | ppb | 750.953 | 3.3 | 624818 |
| Mg 279.078 | 62972.4b | ppb | 2859.60 | 4.5 | 114164 |
| Mn 257.610 | 522.798b | ppb | 23.0374 | 4.4 | 108440 |
| Mo 202.032 | -0.6162b | ppb | 0.1704 | 27.6 | 16.1746 |
| Na 330.237 | 252283xb | ppb | 9937.15 | 3.9 | 9943.07 |
| Ni 231.604 | 5.7327b | ppb | 0.7084 | 12.4 | 6.0031 |
| Pb 220.353 | 2.4463b | ppb | 1.9671 | 80.4 | 36.6203 |
| Sb 206.834 | -0.1440b | ppb | 1.5344 | 1065.3 | -0.4207 |
| Se 196.026 | 0.3401b | ppb | 4.0433 | 1188.9 | 9.7467 |
| Sn 189.925 | 0.8284b | ppb | 1.1505 | 138.9 | -7.4844 |
| Sr 216.596 | 1027.49b | ppb | 49.3291 | 4.8 | 8780.87 |
| Ti 334.941 | -0.6948b | ppb | 0.0313 | 4.5 | 29.4482 |
| Tl 190.794 | -2.8048b | ppb | 2.3447 | 83.6 | -14.0017 |
| V 292.401 | -0.1450b | ppb | 0.1246 | 85.9 | -10.9932 |
| Zn 206.200 | 0.4508b | ppb | 1.0395 | 138.8 | 257.1218 |

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

680-89365-e-1-a (Samp) 4/25/2013, 12:56:49 AM Rack 2, Tube 40

Weight: 1

Volume: 1

Dilution: 1

| Label | Replicates Concentration | | |
|------------|--------------------------|-----------|-----------|
| Ag 328.068 | -0.1826u | 0.0759 | 0.1433 |
| Al 308.215 | 47.1288 | 47.7604 | 50.7438 |
| As 188.980 | 3.6145 | 4.3103 | -1.2927u |
| B 249.678 | -19.0115u | -20.3736u | -20.9204u |
| Ba 389.178 | 25.2019 | 24.0249 | 24.0007 |
| Be 313.042 | -0.0134u | -0.0241u | -0.0150u |
| Ca 370.602 | 49382 | 49384 | 49310 |
| Cd 226.502 | -0.3988u | -0.2112u | 0.0652 |
| Co 228.615 | -0.0364u | -0.2906u | -0.5735u |
| Cr 267.716 | 18.9140 | 19.3143 | 19.3746 |
| Cu 324.754 | 0.4755 | 0.5288 | 0.8737 |
| Fe 271.441 | 24.4378 | 17.9824 | 18.2088 |
| K 766.491 | 3894.18 | 3905.97 | 3901.92 |
| Mg 279.078 | 750.253 | 741.808 | 746.928 |
| Mn 257.610 | 5.6121 | 5.5901 | 5.6034 |
| Mo 202.032 | 1.9350 | 1.9857 | 1.8563 |
| Na 330.237 | 7282.65 | 7442.84 | 7275.03 |
| Ni 231.604 | 0.8164 | 0.2492 | 0.0428 |
| Pb 220.353 | -0.1432u | 4.0216 | 2.7990 |
| Sb 206.834 | -4.2132u | 0.0409 | -3.9618u |
| Se 196.026 | 4.2360 | -6.2050u | -6.9360u |
| Sn 189.925 | -0.4230u | -1.8504u | -2.7157u |
| Sr 216.596 | 81.5623 | 81.0508 | 81.9978 |
| Ti 334.941 | 0.4416 | 0.4049 | 0.4284 |
| Tl 190.794 | -0.1377u | -1.6811u | -3.9548u |
| V 292.401 | 1.2894 | 1.4059 | 1.3501 |
| Zn 206.200 | -0.3947u | 1.7881 | -2.2920u |

| Label | Sol'n Conc. | Units | SD | %RSD | Int. (c/s) |
|------------|-------------|-------|---------|--------|------------|
| Ag 328.068 | 0.0122 | ppb | 0.1720 | 1411.5 | -31.4479 |
| Al 308.215 | 48.5443 | ppb | 1.9308 | 4.0 | 61.3725 |
| As 188.980 | 2.2107 | ppb | 3.0539 | 138.1 | -9.5694 |
| B 249.678 | -20.1018 | ppb | 0.9831 | 4.9 | 264.382 |
| Ba 389.178 | 24.4092 | ppb | 0.6866 | 2.8 | 414.923 |
| Be 313.042 | -0.0175 | ppb | 0.0058 | 33.0 | -331.523 |
| Ca 370.602 | 49359 | ppb | 41.83 | 0.1 | 116740 |
| Cd 226.502 | -0.1816 | ppb | 0.2334 | 128.5 | 29.3606 |
| Co 228.615 | -0.3002 | ppb | 0.2687 | 89.5 | -9.9793 |
| Cr 267.716 | 19.2009 | ppb | 0.2503 | 1.3 | 501.243 |
| Cu 324.754 | 0.6260 | ppb | 0.2162 | 34.5 | 173.860 |
| Fe 271.441 | 20.2097 | ppb | 3.6634 | 18.1 | 57.4731 |
| K 766.491 | 3900.69 | ppb | 5.9906 | 0.2 | 106268 |
| Mg 279.078 | 746.330 | ppb | 4.2542 | 0.6 | 1385.73 |
| Mn 257.610 | 5.6019 | ppb | 0.0111 | 0.2 | 1211.98 |
| Mo 202.032 | 1.9257 | ppb | 0.0652 | 3.4 | 32.7097 |
| Na 330.237 | 7333.51 | ppb | 94.7602 | 1.3 | 345.862 |
| Ni 231.604 | 0.3695 | ppb | 0.4006 | 108.4 | -6.6509 |
| Pb 220.353 | 2.2258 | ppb | 2.1408 | 96.2 | 36.2450 |
| Sb 206.834 | -2.7114 | ppb | 2.3869 | 88.0 | -2.9333 |
| Se 196.026 | -2.9683 | ppb | 6.2498 | 210.6 | 8.1218 |
| Sn 189.925 | -1.6630 | ppb | 1.1578 | 69.6 | -9.1631 |
| Sr 216.596 | 81.5370 | ppb | 0.4740 | 0.6 | 719.450 |
| Ti 334.941 | 0.4250 | ppb | 0.0186 | 4.4 | 67.0295 |
| Tl 190.794 | -1.9245 | ppb | 1.9201 | 99.8 | -11.9742 |
| V 292.401 | 1.3485 | ppb | 0.0583 | 4.3 | 22.9186 |
| Zn 206.200 | -0.2995 | ppb | 2.0417 | 161.6 | -2.3858 |

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680-89365-e-1-aSD^5 (Samp) 4/25/2013, 1:02:25 AM Rack 2, Tube 41**Weight: 1****Volume: 1****Dilution: 1**

| Label | Replicates Concentration | | |
|------------|--------------------------|-----------|-----------|
| Ag 328.068 | 0.5163 | -0.0878u | -0.2684u |
| Al 308.215 | -2.8771u | 8.8572 | 8.2670 |
| As 188.980 | 0.1096 | 6.1012 | 3.9899 |
| B 249.678 | -29.2645u | -29.0661u | -30.2413u |
| Ba 389.178 | 3.9174 | 4.2725 | 4.7640 |
| Be 313.042 | -0.0130u | -0.0143u | -0.0061u |
| Ca 370.602 | 9797 | 9776 | 9768 |
| Cd 226.502 | -0.0439u | -0.1009u | -0.0871u |
| Co 228.615 | -1.8347u | -0.0727u | -0.3180u |
| Cr 267.716 | 4.1108 | 3.5826 | 4.3369 |
| Cu 324.754 | -0.5149u | -0.8084u | -0.3640u |
| Fe 271.441 | -4.5412u | 1.8797 | 2.3290 |
| K 766.491 | 745.520 | 744.903 | 744.086 |
| Mg 279.078 | 148.980 | 149.971 | 151.467 |
| Mn 257.610 | 1.0482 | 1.1082 | 1.0969 |
| Mo 202.032 | -0.3401u | -0.6580u | -0.6073u |
| Na 330.237 | 1390.65 | 1566.79 | 1208.99 |
| Ni 231.604 | 1.2809 | 0.6280 | -0.2354u |
| Pb 220.353 | -3.1743u | -0.5405u | -2.4736u |
| Sb 206.834 | -5.1940u | 1.4862 | -0.6580u |
| Se 196.026 | -6.0664u | -0.8663u | -1.4206u |
| Sn 189.925 | -2.6970u | -1.2667u | 2.3436 |
| Sr 216.596 | 15.8809 | 16.4582 | 16.7347 |
| Ti 334.941 | -0.0776u | -0.0079u | -0.0264u |
| Tl 190.794 | -0.9597u | 0.0586 | 0.7877 |
| V 292.401 | -0.2182u | 0.1860 | -0.0108u |
| Zn 206.200 | -0.5359u | -0.3119u | -1.9168u |

| Label | Sol'n Conc. | Units | SD | %RSD | Int. (c/s) |
|------------|-------------|-------|---------|--------|------------|
| Ag 328.068 | 0.0533 | ppb | 0.4110 | 770.4 | -26.1437 |
| Al 308.215 | 4.7490 | ppb | 6.6110 | 139.2 | -23.5594 |
| As 188.980 | 3.4002 | ppb | 3.0390 | 89.4 | -9.0745 |
| B 249.678 | -29.5240 | ppb | 0.6291 | 2.1 | 163.411 |
| Ba 389.178 | 4.3180 | ppb | 0.4251 | 9.8 | 47.2826 |
| Be 313.042 | -0.0111 | ppb | 0.0044 | 39.8 | -332.102 |
| Ca 370.602 | 9780 | ppb | 15.13 | 0.2 | 23130 |
| Cd 226.502 | -0.0773 | ppb | 0.0297 | 38.4 | 32.5021 |
| Co 228.615 | -0.7418 | ppb | 0.9544 | 128.7 | -13.7795 |
| Cr 267.716 | 4.0101 | ppb | 0.3871 | 9.7 | 82.5359 |
| Cu 324.754 | -0.5624 | ppb | 0.2260 | 40.2 | 118.423 |
| Fe 271.441 | -0.1108 | ppb | 3.8434 | 3467.5 | 27.9030 |
| K 766.491 | 744.836 | ppb | 0.7194 | 0.1 | 20447.5 |
| Mg 279.078 | 150.140 | ppb | 1.2522 | 0.8 | 305.221 |
| Mn 257.610 | 1.0844 | ppb | 0.0319 | 2.9 | 274.975 |
| Mo 202.032 | -0.5351 | ppb | 0.1708 | 31.9 | 17.3683 |
| Na 330.237 | 1388.81 | ppb | 178.907 | 12.9 | 112.865 |
| Ni 231.604 | 0.5578 | ppb | 0.7606 | 136.4 | -6.2171 |
| Pb 220.353 | -2.0628 | ppb | 1.3641 | 66.1 | 30.7042 |
| Sb 206.834 | -1.4552 | ppb | 3.4107 | 234.4 | -1.9034 |
| Se 196.026 | -2.7844 | ppb | 2.8558 | 102.6 | 8.2003 |
| Sn 189.925 | -0.5400 | ppb | 2.5977 | 481.0 | -8.4636 |
| Sr 216.596 | 16.3579 | ppb | 0.4356 | 2.7 | 161.750 |
| Ti 334.941 | -0.0373 | ppb | 0.0362 | 97.0 | -35.3851 |
| Tl 190.794 | -0.0378 | ppb | 0.8777 | 2321.7 | -10.4126 |
| V 292.401 | -0.0144 | ppb | 0.2021 | 1407.5 | -7.2943 |
| Zn 206.200 | -0.9215 | ppb | 0.8692 | 94.3 | -1.8317 |

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680-89365-e-1-aPDS (Samp) **4/25/2013, 1:08:00 AM** **Rack 2, Tube 42****Weight: 1****Volume: 1****Dilution: 1**

| Label | Replicates Concentration | | |
|------------|--------------------------|---------|---------|
| Ag 328.068 | 51.3401 | 51.2507 | 51.9087 |
| Al 308.215 | 2167.94 | 2173.20 | 2169.17 |
| As 188.980 | 2212.22 | 2213.03 | 2190.79 |
| B 249.678 | 1029.80 | 1031.94 | 1036.27 |
| Ba 389.178 | 2154.26 | 2152.19 | 2152.48 |
| Be 313.042 | 54.2947 | 54.3862 | 54.3357 |
| Ca 370.602 | 53567 | 53638 | 53522 |
| Cd 226.502 | 54.2763 | 54.2901 | 54.2972 |
| Co 228.615 | 542.615 | 548.466 | 546.644 |
| Cr 267.716 | 235.151 | 235.094 | 233.667 |
| Cu 324.754 | 267.797 | 269.492 | 268.909 |
| Fe 271.441 | 1048.10 | 1049.08 | 1052.65 |
| K 766.491 | 9453.66 | 9479.20 | 9503.03 |
| Mg 279.078 | 6071.20 | 6083.58 | 6071.43 |
| Mn 257.610 | 558.064 | 558.373 | 558.124 |
| Mo 202.032 | 531.959 | 533.738 | 532.027 |
| Na 330.237 | 12658.6 | 12455.4 | 12912.2 |
| Ni 231.604 | 537.081 | 536.988 | 536.379 |
| Pb 220.353 | 517.849 | 510.688 | 515.265 |
| Sb 206.834 | 492.627 | 497.850 | 493.640 |
| Se 196.026 | 2099.30 | 2079.78 | 2095.44 |
| Sn 189.925 | 1067.18 | 1071.40 | 1069.16 |
| Sr 216.596 | 622.682 | 620.083 | 620.558 |
| Ti 334.941 | 1034.59 | 1035.59 | 1033.44 |
| Tl 190.794 | 2134.22 | 2130.76 | 2143.16 |
| V 292.401 | 516.882 | 517.671 | 517.537 |
| Zn 206.200 | 534.095 | 535.557 | 525.912 |

| Label | Sol'n Conc. | Units | SD | %RSD | Int. (c/s) |
|------------|-------------|-------|---------|------|------------|
| Ag 328.068 | 51.4998 | ppb | 0.3569 | 0.7 | 3320.99 |
| Al 308.215 | 2170.10 | ppb | 2.7493 | 0.1 | 4191.48 |
| As 188.980 | 2205.34 | ppb | 12.6146 | 0.6 | 906.227 |
| B 249.678 | 1032.67 | ppb | 3.2953 | 0.3 | 11546.4 |
| Ba 389.178 | 2152.98 | ppb | 1.1203 | 0.1 | 39246.5 |
| Be 313.042 | 54.3388 | ppb | 0.0458 | 0.1 | 83489.3 |
| Ca 370.602 | 53576 | ppb | 58.86 | 0.1 | 126806 |
| Cd 226.502 | 54.2879 | ppb | 0.0106 | 0.0 | 1689.39 |
| Co 228.615 | 545.908 | ppb | 2.9937 | 0.5 | 4713.56 |
| Cr 267.716 | 234.637 | ppb | 0.8409 | 0.4 | 6438.04 |
| Cu 324.754 | 268.733 | ppb | 0.8613 | 0.3 | 12677.5 |
| Fe 271.441 | 1049.94 | ppb | 2.3926 | 0.2 | 1627.97 |
| K 766.491 | 9478.63 | ppb | 24.6944 | 0.3 | 257954 |
| Mg 279.078 | 6075.40 | ppb | 7.0850 | 0.1 | 11036.5 |
| Mn 257.610 | 558.187 | ppb | 0.1636 | 0.0 | 115420 |
| Mo 202.032 | 532.575 | ppb | 1.0080 | 0.2 | 3340.65 |
| Na 330.237 | 12675.4 | ppb | 228.877 | 1.8 | 545.828 |
| Ni 231.604 | 536.816 | ppb | 0.3816 | 0.1 | 1230.02 |
| Pb 220.353 | 514.600 | ppb | 3.6264 | 0.7 | 697.449 |
| Sb 206.834 | 494.706 | ppb | 2.7698 | 0.6 | 442.430 |
| Se 196.026 | 2091.50 | ppb | 10.3368 | 0.5 | 914.181 |
| Sn 189.925 | 1069.25 | ppb | 2.1118 | 0.2 | 671.600 |
| Sr 216.596 | 621.108 | ppb | 1.3835 | 0.2 | 5288.26 |
| Ti 334.941 | 1034.54 | ppb | 1.0777 | 0.1 | 225238 |
| Tl 190.794 | 2136.05 | ppb | 6.3999 | 0.3 | 1750.04 |
| V 292.401 | 517.363 | ppb | 0.4222 | 0.1 | 11831.1 |
| Zn 206.200 | 531.855 | ppb | 5.1979 | 1.0 | 499.718 |

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680-89365-e-2-a (Samp) 4/25/2013, 1:13:36 AM Rack 2, Tube 43

Weight: 1 Volume: 1 Dilution: 1

| Label | Replicates Concentration | | |
|------------|--------------------------|----------|----------|
| Ag 328.068 | -0.2746u | 0.1533 | -0.3020u |
| Al 308.215 | 35.4766 | 35.1734 | 37.2604 |
| As 188.980 | 0.8775 | 12.1575 | 13.7726 |
| B 249.678 | 23.3022 | 22.1648 | 21.2686 |
| Ba 389.178 | 198.035 | 196.649 | 197.393 |
| Be 313.042 | -0.0150u | -0.0154u | -0.0074 |
| Ca 370.602 | 84945 | 84893 | 84767 |
| Cd 226.502 | -0.4064 | -0.1604 | -0.2752 |
| Co 228.615 | 45.6903 | 45.4264 | 44.1595 |
| Cr 267.716 | 2.2056 | 1.5564 | 1.5642 |
| Cu 324.754 | -0.2508u | -0.1823u | -0.6501u |
| Fe 271.441 | 8670.98 | 8667.28 | 8658.73 |
| K 766.491 | 1706.97 | 1707.32 | 1707.84 |
| Mg 279.078 | 4970.61 | 4968.91 | 4977.01 |
| Mn 257.610 | 7483.31 | 7491.51 | 7475.24 |
| Mo 202.032 | 3.6897 | 3.3932 | 2.9882 |
| Na 330.237 | 106668x | 106152x | 106397x |
| Ni 231.604 | 15.5530 | 14.5002 | 16.1598 |
| Pb 220.353 | 0.1464 | 1.1606 | 0.2312 |
| Sb 206.834 | 2.3831 | -3.0124u | 2.8963 |
| Se 196.026 | 8.4631 | 7.6445 | 0.8021 |
| Sn 189.925 | 2.9656 | -1.8916u | 1.9474 |
| Sr 216.596 | 358.480 | 358.961 | 358.699 |
| Ti 334.941 | 0.5026 | 0.4159 | 0.4260 |
| Tl 190.794 | 8.6832u | 9.2473u | 12.4624 |
| V 292.401 | -0.3157u | -0.1472u | -0.3731u |
| Zn 206.200 | -0.7867u | 0.6586 | 1.5084 |

| Label | Sol'n Conc. | Units | SD | %RSD | Int. (c/s) |
|------------|-------------|-------|---------|-------|------------|
| Ag 328.068 | -0.1411b | ppb | 0.2553 | 181.0 | -23.8942 |
| Al 308.215 | 35.9701b | ppb | 1.1277 | 3.1 | 37.0858 |
| As 188.980 | 8.9359b | ppb | 7.0253 | 78.6 | -6.7170 |
| B 249.678 | 22.2452b | ppb | 1.0192 | 4.6 | 708.982 |
| Ba 389.178 | 197.359b | ppb | 0.6936 | 0.4 | 3587.08 |
| Be 313.042 | -0.0126b | ppb | 0.0045 | 35.6 | -324.536 |
| Ca 370.602 | 84868b | ppb | 91.42 | 0.1 | 200361 |
| Cd 226.502 | -0.2806b | ppb | 0.1231 | 43.9 | 53.0096 |
| Co 228.615 | 45.0920b | ppb | 0.8183 | 1.8 | 381.705 |
| Cr 267.716 | 1.7754b | ppb | 0.3726 | 21.0 | 41.6805 |
| Cu 324.754 | -0.3611b | ppb | 0.2527 | 70.0 | 130.299 |
| Fe 271.441 | 8665.67b | ppb | 6.2846 | 0.1 | 12610.5 |
| K 766.491 | 1707.38b | ppb | 0.4369 | 0.0 | 46622.8 |
| Mg 279.078 | 4972.18b | ppb | 4.2698 | 0.1 | 8943.27 |
| Mn 257.610 | 7483.35b | ppb | 8.1314 | 0.1 | 1546333 |
| Mo 202.032 | 3.3571b | ppb | 0.3522 | 10.5 | 41.2645 |
| Na 330.237 | 106406xb | ppb | 257.960 | 0.2 | 4227.03 |
| Ni 231.604 | 15.4044b | ppb | 0.8397 | 5.5 | 28.1661 |
| Pb 220.353 | 0.5127b | ppb | 0.5627 | 109.7 | 35.2741 |
| Sb 206.834 | 0.7557b | ppb | 3.2733 | 433.2 | 0.1936 |
| Se 196.026 | 5.6366b | ppb | 4.2067 | 74.6 | 13.5052 |
| Sn 189.925 | 1.0072b | ppb | 2.5615 | 254.3 | -7.4294 |
| Sr 216.596 | 358.713b | ppb | 0.2410 | 0.1 | 3083.02 |
| Ti 334.941 | 0.4482b | ppb | 0.0474 | 10.6 | 81.9332 |
| Tl 190.794 | 10.1310b | ppb | 2.0387 | 20.1 | -11.4206 |
| V 292.401 | -0.2787b | ppb | 0.1174 | 42.1 | -14.4068 |
| Zn 206.200 | 0.4601b | ppb | 1.1604 | 352.3 | 27.1306 |

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680-89365-e-3-a (Samp) 4/25/2013, 1:19:11 AM Rack 2, Tube 44

Weight: 1 Volume: 1 Dilution: 1

| Label | Replicates Concentration | | |
|------------|--------------------------|----------|-----------|
| Ag 328.068 | -0.2466u | -0.5647u | -0.5890u |
| Al 308.215 | 3753.21 | 3749.91 | 3733.62 |
| As 188.980 | 11.2693 | 7.9245 | -11.5957u |
| B 249.678 | 70.1236 | 70.4741 | 70.9830 |
| Ba 389.178 | 241.698 | 244.040 | 243.086 |
| Be 313.042 | 4.9176 | 4.9060 | 4.9226 |
| Ca 370.602 | 43460 | 43465 | 43486 |
| Cd 226.502 | -0.2120 | -0.3446 | -0.1104 |
| Co 228.615 | 16.7994 | 16.8927 | 16.5019 |
| Cr 267.716 | 4.1685 | 3.9047 | 3.9377 |
| Cu 324.754 | 5.4188 | 5.2302 | 5.1621 |
| Fe 271.441 | 8636.00 | 8642.69 | 8653.73 |
| K 766.491 | 1870.77 | 1867.54 | 1874.49 |
| Mg 279.078 | 2586.85 | 2579.22 | 2586.94 |
| Mn 257.610 | 645.459 | 644.727 | 646.310 |
| Mo 202.032 | 7.4841 | 7.8275 | 7.6215 |
| Na 330.237 | 169961x | 170769x | 170134x |
| Ni 231.604 | 12.3249 | 13.0637 | 12.1564 |
| Pb 220.353 | 20.6882 | 19.3032 | 24.3537 |
| Sb 206.834 | 3.7162 | 2.2175 | -2.7856u |
| Se 196.026 | 6.9793 | -1.0099u | 8.4999 |
| Sn 189.925 | -4.5500u | 0.1882 | -1.8770u |
| Sr 216.596 | 296.835 | 296.848 | 296.934 |
| Ti 334.941 | 13.3950 | 13.2915 | 13.4260 |
| Tl 190.794 | -1.7176u | -3.3305u | -8.4053u |
| V 292.401 | 8.5309 | 9.0858 | 8.9362 |
| Zn 206.200 | 49.6763 | 48.2830 | 51.6496 |

| Label | Sol'n Conc. | Units | SD | %RSD | Int. (c/s) |
|------------|-------------|-------|---------|-------|------------|
| Ag 328.068 | -0.4667b | ppb | 0.1911 | 40.9 | -69.7678 |
| Al 308.215 | 3745.58b | ppb | 10.4900 | 0.3 | 7222.91 |
| As 188.980 | 2.5327b | ppb | 12.3494 | 487.6 | -9.3798 |
| B 249.678 | 70.5269b | ppb | 0.4321 | 0.6 | 1226.47 |
| Ba 389.178 | 242.941b | ppb | 1.1779 | 0.5 | 4413.51 |
| Be 313.042 | 4.9154b | ppb | 0.0085 | 0.2 | 7265.78 |
| Ca 370.602 | 43470b | ppb | 13.72 | 0.0 | 102307 |
| Cd 226.502 | -0.2223b | ppb | 0.1174 | 52.8 | 54.4033 |
| Co 228.615 | 16.7313b | ppb | 0.2041 | 1.2 | 136.952 |
| Cr 267.716 | 4.0037b | ppb | 0.1437 | 3.6 | 86.7159 |
| Cu 324.754 | 5.2704b | ppb | 0.1330 | 2.5 | 392.756 |
| Fe 271.441 | 8644.14b | ppb | 8.9537 | 0.1 | 12575.5 |
| K 766.491 | 1870.94b | ppb | 3.4775 | 0.2 | 51070.6 |
| Mg 279.078 | 2584.34b | ppb | 4.4288 | 0.2 | 4708.70 |
| Mn 257.610 | 645.499b | ppb | 0.7919 | 0.1 | 133460 |
| Mo 202.032 | 7.6444b | ppb | 0.1728 | 2.3 | 67.9842 |
| Na 330.237 | 170288xb | ppb | 425.266 | 0.2 | 6730.57 |
| Ni 231.604 | 12.5150b | ppb | 0.4826 | 3.9 | 21.5060 |
| Pb 220.353 | 21.4484b | ppb | 2.6096 | 12.2 | 61.1340 |
| Sb 206.834 | 1.0494b | ppb | 3.4047 | 324.4 | 0.4742 |
| Se 196.026 | 4.8231b | ppb | 5.1084 | 105.9 | 11.6745 |
| Sn 189.925 | -2.0796b | ppb | 2.3756 | 114.2 | -9.3890 |
| Sr 216.596 | 296.872b | ppb | 0.0536 | 0.0 | 2553.41 |
| Ti 334.941 | 13.3708b | ppb | 0.0704 | 0.5 | 2883.84 |
| Tl 190.794 | -4.4845b | ppb | 3.4900 | 77.8 | -15.2147 |
| V 292.401 | 8.8510b | ppb | 0.2871 | 3.2 | 194.860 |
| Zn 206.200 | 49.8696b | ppb | 1.6916 | 3.4 | 49.3368 |

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

680-89365-e-4-a (Samp) 4/25/2013, 1:24:47 AM Rack 2, Tube 45

Weight: 1

Volume: 1

Dilution: 1

| Label | Replicates Concentration | | |
|------------|--------------------------|----------|----------|
| Ag 328.068 | -0.1756u | -0.1947u | -0.3869u |
| Al 308.215 | 42.7436 | 45.0185 | 42.4848 |
| As 188.980 | 7.5441 | 6.1312 | 12.9653 |
| B 249.678 | 22.5320 | 23.9018 | 22.8307 |
| Ba 389.178 | 190.747 | 190.223 | 192.073 |
| Be 313.042 | -0.0199u | -0.0218u | -0.0043 |
| Ca 370.602 | 115769 | 115829 | 115975 |
| Cd 226.502 | -0.3224 | -0.2293 | -0.3861 |
| Co 228.615 | 4.8696 | 4.3454 | 5.1423 |
| Cr 267.716 | 0.6800 | 0.6719 | 0.8912 |
| Cu 324.754 | -0.1220u | -0.1644u | -0.6840u |
| Fe 271.441 | 10884.5 | 10890.9 | 10915.4 |
| K 766.491 | 1679.65 | 1679.22 | 1686.13 |
| Mg 279.078 | 4254.27 | 4268.27 | 4266.03 |
| Mn 257.610 | 1262.32 | 1264.61 | 1266.57 |
| Mo 202.032 | 5.2216 | 5.0109 | 5.2865 |
| Na 330.237 | 143774x | 143574x | 144052x |
| Ni 231.604 | 4.4174 | 5.8786 | 6.2830 |
| Pb 220.353 | 3.2040 | -1.3980u | 3.0165 |
| Sb 206.834 | -2.2288u | -4.4110u | -3.0519u |
| Se 196.026 | -4.5148u | 16.8751 | -0.9175u |
| Sn 189.925 | -2.3319u | -2.3530u | -2.5907u |
| Sr 216.596 | 558.377 | 558.365 | 557.199 |
| Ti 334.941 | 0.8184 | 0.8169 | 0.8516 |
| Tl 190.794 | -2.9642u | -4.4795u | 0.3380u |
| V 292.401 | -0.3084u | -0.2028u | -0.3103u |
| Zn 206.200 | -0.4925u | -0.7085u | 2.8383 |

| Label | Sol'n Conc. | Units | SD | %RSD | Int. (c/s) |
|------------|-------------|-------|---------|-------|------------|
| Ag 328.068 | -0.2524b | ppb | 0.1169 | 46.3 | -64.2065 |
| Al 308.215 | 43.4156b | ppb | 1.3942 | 3.2 | 51.5847 |
| As 188.980 | 8.8802b | ppb | 3.6076 | 40.6 | -6.7258 |
| B 249.678 | 23.0882b | ppb | 0.7202 | 3.1 | 715.628 |
| Ba 389.178 | 191.015b | ppb | 0.9535 | 0.5 | 3472.52 |
| Be 313.042 | -0.0153b | ppb | 0.0096 | 62.8 | -321.913 |
| Ca 370.602 | 115857b | ppb | 106.3 | 0.1 | 273392 |
| Cd 226.502 | -0.3126b | ppb | 0.0789 | 25.2 | 58.8516 |
| Co 228.615 | 4.7858b | ppb | 0.4050 | 8.5 | 33.5476 |
| Cr 267.716 | 0.7477b | ppb | 0.1243 | 16.6 | -1.4085 |
| Cu 324.754 | -0.3235b | ppb | 0.3130 | 96.7 | 132.712 |
| Fe 271.441 | 10896.9b | ppb | 16.3061 | 0.1 | 15843.3 |
| K 766.491 | 1681.67b | ppb | 3.8741 | 0.2 | 45923.7 |
| Mg 279.078 | 4262.86b | ppb | 7.5187 | 0.2 | 7743.67 |
| Mn 257.610 | 1264.50b | ppb | 2.1257 | 0.2 | 261375 |
| Mo 202.032 | 5.1730b | ppb | 0.1441 | 2.8 | 52.4915 |
| Na 330.237 | 143800xb | ppb | 239.605 | 0.2 | 5692.21 |
| Ni 231.604 | 5.5263b | ppb | 0.9814 | 17.8 | 5.4353 |
| Pb 220.353 | 1.6075b | ppb | 2.6045 | 162.0 | 35.6527 |
| Sb 206.834 | -3.2306b | ppb | 1.1020 | 34.1 | -3.3805 |
| Se 196.026 | 3.8143b | ppb | 11.4531 | 300.3 | 11.3836 |
| Sn 189.925 | -2.4252b | ppb | 0.1437 | 5.9 | -9.5918 |
| Sr 216.596 | 557.980b | ppb | 0.6764 | 0.1 | 4781.66 |
| Ti 334.941 | 0.8290b | ppb | 0.0196 | 2.4 | 160.606 |
| Tl 190.794 | -2.3686b | ppb | 2.4634 | 104.0 | -14.3225 |
| V 292.401 | -0.2738b | ppb | 0.0615 | 22.5 | -14.8239 |
| Zn 206.200 | 0.5458b | ppb | 1.9884 | 364.3 | 2572102 |

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

680-89365-e-5-a (Samp) 4/25/2013, 1:30:23 AM Rack 2, Tube 46

Weight: 1

Volume: 1

Dilution: 1

| Label | Replicates Concentration | | |
|------------|--------------------------|----------|----------|
| Ag 328.068 | -0.3748u | 0.0719u | -0.4804u |
| Al 308.215 | 885.138 | 809.639 | 901.465 |
| As 188.980 | -0.5722u | 0.8259 | 1.5286 |
| B 249.678 | 44.2452 | 38.6456 | 45.5429 |
| Ba 389.178 | 78.0671 | 72.0063 | 78.2433 |
| Be 313.042 | 0.7551 | 0.6927 | 0.7523 |
| Ca 370.602 | 23961 | 21958 | 24304 |
| Cd 226.502 | -0.0801 | -0.4896u | -0.0755 |
| Co 228.615 | 0.8251 | 0.9480 | 1.0680 |
| Cr 267.716 | 0.8525 | 0.3007 | 0.9272 |
| Cu 324.754 | 0.2824 | 0.1016 | 0.1845 |
| Fe 271.441 | 1853.75 | 1698.31 | 1898.13 |
| K 766.491 | 813.940 | 763.583 | 819.564 |
| Mg 279.078 | 1007.16 | 923.065 | 1024.19 |
| Mn 257.610 | 139.630 | 127.943 | 141.632 |
| Mo 202.032 | 33.5698 | 30.0477 | 33.8032 |
| Na 330.237 | 108016x | 99793.5x | 108970x |
| Ni 231.604 | 2.0148 | 2.2683 | 1.3667 |
| Pb 220.353 | 0.8920 | 7.1841 | 3.5403 |
| Sb 206.834 | -6.2733u | -5.4338u | 2.6815 |
| Se 196.026 | 5.4677 | 4.3342 | 0.4742 |
| Sn 189.925 | -0.7882u | 0.3032 | -1.3064u |
| Sr 216.596 | 145.438 | 132.752 | 146.564 |
| Ti 334.941 | 3.8464 | 3.4812 | 3.8803 |
| Tl 190.794 | -2.7472u | -2.8829u | -3.8505u |
| V 292.401 | 0.3754 | 0.3156 | 0.9371 |
| Zn 206.200 | 4.2002 | 0.8696 | 4.5707 |

| Label | Sol'n Conc. | Units | SD | %RSD | Int. (c/s) |
|------------|-------------|-------|---------|-------|------------|
| Ag 328.068 | -0.2611b | ppb | 0.2932 | 112.3 | -51.4238 |
| Al 308.215 | 865.414b | ppb | 48.9875 | 5.7 | 1645.06 |
| As 188.980 | 0.5941b | ppb | 1.0694 | 180.0 | -10.2351 |
| B 249.678 | 42.8112b | ppb | 3.6654 | 8.6 | 936.724 |
| Ba 389.178 | 76.1056b | ppb | 3.5511 | 4.7 | 1360.28 |
| Be 313.042 | 0.7334b | ppb | 0.0352 | 4.8 | 807.611 |
| Ca 370.602 | 23408b | ppb | 1267 | 5.4 | 55255 |
| Cd 226.502 | -0.2151b | ppb | 0.2377 | 110.5 | 33.5599 |
| Co 228.615 | 0.9470b | ppb | 0.1214 | 12.8 | -0.0018 |
| Cr 267.716 | 0.6934b | ppb | 0.3422 | 49.3 | -7.2910 |
| Cu 324.754 | 0.1895b | ppb | 0.0905 | 47.8 | 154.809 |
| Fe 271.441 | 1816.73b | ppb | 104.928 | 5.8 | 2664.83 |
| K 766.491 | 799.029b | ppb | 30.8259 | 3.9 | 21921.2 |
| Mg 279.078 | 984.805b | ppb | 54.1428 | 5.5 | 1816.24 |
| Mn 257.610 | 136.402b | ppb | 7.3933 | 5.4 | 28243.2 |
| Mo 202.032 | 32.4735b | ppb | 2.1041 | 6.5 | 223.112 |
| Na 330.237 | 105593xb | ppb | 5045.25 | 4.8 | 4196.72 |
| Ni 231.604 | 1.8833b | ppb | 0.4650 | 24.7 | -3.1282 |
| Pb 220.353 | 3.8722b | ppb | 3.1592 | 81.6 | 38.3508 |
| Sb 206.834 | -3.0085b | ppb | 4.9455 | 164.4 | -3.6988 |
| Se 196.026 | 3.4254b | ppb | 2.6179 | 76.4 | 10.9248 |
| Sn 189.925 | -0.5971b | ppb | 0.8216 | 137.6 | -8.4693 |
| Sr 216.596 | 141.585b | ppb | 7.6700 | 5.4 | 1227.87 |
| Ti 334.941 | 3.7360b | ppb | 0.2213 | 5.9 | 783.414 |
| Tl 190.794 | -3.1602b | ppb | 0.6016 | 19.0 | -13.2383 |
| V 292.401 | 0.5427b | ppb | 0.3429 | 63.2 | -0.2983 |
| Zn 206.200 | 3.2135b | ppb | 2.0383 | 63.4 | 5.7052 |

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

680-89365-e-6-a (Samp) 4/25/2013, 1:35:59 AM Rack 2, Tube 47

Weight: 1 Volume: 1 Dilution: 1

| Label | Replicates Concentration | | |
|------------|--------------------------|-----------|-----------|
| Ag 328.068 | -0.2065u | -0.4373u | -0.2839u |
| Al 308.215 | 48.3317 | 46.8223 | 50.6388 |
| As 188.980 | 4.3292 | -2.7690u | 2.6104 |
| B 249.678 | -26.2837u | -25.9622u | -26.5828u |
| Ba 389.178 | 24.2844 | 24.7710 | 24.7959 |
| Be 313.042 | -0.0200u | -0.0160u | -0.0182u |
| Ca 370.602 | 50763 | 50696 | 50511 |
| Cd 226.502 | -0.2567u | -0.1775u | 0.0065 |
| Co 228.615 | -0.6681u | -0.5491u | 0.5337 |
| Cr 267.716 | 16.0869 | 15.8654 | 16.0625 |
| Cu 324.754 | 0.1545 | -0.2162u | 0.9112 |
| Fe 271.441 | 34.7492 | 23.9216 | 31.0158 |
| K 766.491 | 3152.70 | 3149.33 | 3146.85 |
| Mg 279.078 | 778.971 | 778.085 | 768.602 |
| Mn 257.610 | 5.8872 | 5.7730 | 5.9115 |
| Mo 202.032 | 2.0087 | 1.5472 | 0.3070 |
| Na 330.237 | 6634.82 | 6242.82 | 6389.32 |
| Ni 231.604 | -0.0900u | 1.1498 | 2.5325 |
| Pb 220.353 | 3.2807 | -1.8575u | 1.1646 |
| Sb 206.834 | -3.1859u | -5.0245u | -7.2324u |
| Se 196.026 | 2.8904 | 1.1287 | 6.5672 |
| Sn 189.925 | -1.8714u | 0.2018 | -4.2970u |
| Sr 216.596 | 79.0078 | 79.1940 | 77.6424 |
| Ti 334.941 | 0.5769 | 0.5965 | 0.5366 |
| Tl 190.794 | -7.0903u | -0.0729u | -3.7744u |
| V 292.401 | 0.8345 | 0.9640 | 0.8078 |
| Zn 206.200 | 6.9800 | 5.2335 | 2.9299 |

| Label | Sol'n Conc. | Units | SD | %RSD | Int. (c/s) |
|------------|-------------|-------|---------|-------|------------|
| Ag 328.068 | -0.3093 | ppb | 0.1175 | 38.0 | -52.4111 |
| Al 308.215 | 48.5976 | ppb | 1.9221 | 4.0 | 61.4530 |
| As 188.980 | 1.3902 | ppb | 3.7031 | 266.4 | -9.9103 |
| B 249.678 | -26.2762 | ppb | 0.3104 | 1.2 | 198.196 |
| Ba 389.178 | 24.6171 | ppb | 0.2884 | 1.2 | 418.783 |
| Be 313.042 | -0.0181 | ppb | 0.0020 | 10.8 | -331.878 |
| Ca 370.602 | 50657 | ppb | 130.4 | 0.3 | 119810 |
| Cd 226.502 | -0.1426 | ppb | 0.1350 | 94.7 | 30.5831 |
| Co 228.615 | -0.2278 | ppb | 0.6622 | 290.7 | -9.3447 |
| Cr 267.716 | 16.0049 | ppb | 0.1215 | 0.8 | 413.159 |
| Cu 324.754 | 0.2832 | ppb | 0.5746 | 202.9 | 157.875 |
| Fe 271.441 | 29.8955 | ppb | 5.5000 | 18.4 | 71.5334 |
| K 766.491 | 3149.63 | ppb | 2.9364 | 0.1 | 85843.5 |
| Mg 279.078 | 775.219 | ppb | 5.7481 | 0.7 | 1438.09 |
| Mn 257.610 | 5.8572 | ppb | 0.0739 | 1.3 | 1264.94 |
| Mo 202.032 | 1.2876 | ppb | 0.8800 | 68.3 | 28.7316 |
| Na 330.237 | 6422.32 | ppb | 198.076 | 3.1 | 310.119 |
| Ni 231.604 | 1.1974 | ppb | 1.3119 | 109.6 | -4.7421 |
| Pb 220.353 | 0.8626 | ppb | 2.5824 | 299.4 | 34.4835 |
| Sb 206.834 | -5.1476 | ppb | 2.0261 | 39.4 | -5.1553 |
| Se 196.026 | 3.5288 | ppb | 2.7749 | 78.6 | 10.9321 |
| Sn 189.925 | -1.9889 | ppb | 2.2517 | 113.2 | -9.3701 |
| Sr 216.596 | 78.6147 | ppb | 0.8472 | 1.1 | 694.697 |
| Ti 334.941 | 0.5700 | ppb | 0.0306 | 5.4 | 98.7672 |
| Tl 190.794 | -3.6459 | ppb | 3.5105 | 96.3 | -13.3939 |
| V 292.401 | 0.8688 | ppb | 0.0836 | 9.6 | 12.1297 |
| Zn 206.200 | 5.0478 | ppb | 2.0315 | 40.2 | 27.3930 |

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

680-89447-e-1-b (Samp) 4/25/2013, 1:41:35 AM Rack 2, Tube 48

Weight: 1

Volume: 1

Dilution: 1

| Label | Replicates Concentration | | |
|------------|--------------------------|----------|-----------|
| Ag 328.068 | -0.5489u | -0.7593u | -0.5399u |
| Al 308.215 | 109.725 | 101.576 | 100.588 |
| As 188.980 | 7.3587 | -6.6716u | -5.8593u |
| B 249.678 | 2370.72 | 2380.37 | 2387.04 |
| Ba 389.178 | 12.2511 | 12.0096 | 11.5710 |
| Be 313.042 | 0.1058u | 0.0987u | 0.1039u |
| Ca 370.602 | 216870 | 214371 | 212521 |
| Cd 226.502 | 0.3617 | 0.2186 | 0.4026 |
| Co 228.615 | 0.7844 | 2.1517 | 1.7568 |
| Cr 267.716 | 9.2240 | 8.5977 | 8.4825 |
| Cu 324.754 | 0.9238 | 0.9084 | 1.0443 |
| Fe 271.441 | 913.914 | 911.920 | 909.112 |
| K 766.491 | 224472x | 224450x | 224350x |
| Mg 279.078 | 260878 | 260585 | 259476 |
| Mn 257.610 | 71.4714 | 71.3854 | 71.1167 |
| Mo 202.032 | 1.1173 | 1.4336 | 1.9726 |
| Na 330.237 | 2806261x | 2811593x | 2826475x |
| Ni 231.604 | 7.6333 | 5.1552 | 7.8949 |
| Pb 220.353 | 2.7432 | 8.5850 | 1.3778 |
| Sb 206.834 | -1.3375u | 2.8880 | -10.3502u |
| Se 196.026 | 12.4993 | 11.3126 | 25.1940 |
| Sn 189.925 | -3.3424u | 1.4023 | -0.2481 |
| Sr 216.596 | 3636.63 | 3622.76 | 3604.32 |
| Ti 334.941 | -0.5580 | -0.5543 | -0.4729 |
| Tl 190.794 | -8.5737u | -8.6274u | -13.6177u |
| V 292.401 | 12.3572 | 11.3649 | 11.2618 |
| Zn 206.200 | 20.7681 | 19.2352 | 20.9155 |

| Label | Sol'n Conc. | Units | SD | %RSD | Int. (c/s) |
|------------|-------------|-------|---------|-------|------------|
| Ag 328.068 | -0.6160b | ppb | 0.1241 | 20.2 | -216.283 |
| Al 308.215 | 103.963b | ppb | 5.0145 | 4.8 | 168.657 |
| As 188.980 | -1.7241b | ppb | 7.8764 | 456.8 | -11.1992 |
| B 249.678 | 2379.38b | ppb | 8.2036 | 0.3 | 25980.4 |
| Ba 389.178 | 11.9439b | ppb | 0.3448 | 2.9 | 723.252 |
| Be 313.042 | 0.1028b | ppb | 0.0037 | 3.6 | -364.714 |
| Ca 370.602 | 214587b | ppb | 2183 | 1.0 | 507489 |
| Cd 226.502 | 0.3276b | ppb | 0.0966 | 29.5 | 38.3916 |
| Co 228.615 | 1.5643b | ppb | 0.7037 | 45.0 | 6.2451 |
| Cr 267.716 | 8.7681b | ppb | 0.3990 | 4.6 | 240.742 |
| Cu 324.754 | 0.9589b | ppb | 0.0744 | 7.8 | 189.526 |
| Fe 271.441 | 911.649b | ppb | 2.4125 | 0.3 | 1351.44 |
| K 766.491 | 224424xb | ppb | 64.8489 | 0.0 | 6103186 |
| Mg 279.078 | 260313b | ppb | 739.113 | 0.3 | 471840 |
| Mn 257.610 | 71.3245b | ppb | 0.1850 | 0.3 | 16135.3 |
| Mo 202.032 | 1.5079b | ppb | 0.4324 | 28.7 | 30.0497 |
| Na 330.237 | 2814776xb | ppb | 10476.0 | 0.4 | 110384 |
| Ni 231.604 | 6.8945b | ppb | 1.5119 | 21.9 | 8.4074 |
| Pb 220.353 | 4.2353b | ppb | 3.8283 | 90.4 | 38.8523 |
| Sb 206.834 | -2.9333b | ppb | 6.7618 | 230.5 | -3.1983 |
| Se 196.026 | 16.3353b | ppb | 7.6948 | 47.1 | 16.4915 |
| Sn 189.925 | -0.7294b | ppb | 2.4087 | 330.2 | -7.8054 |
| Sr 216.596 | 3621.23b | ppb | 16.2095 | 0.4 | 30847.4 |
| Ti 334.941 | -0.5284b | ppb | 0.0481 | 9.1 | 612.738 |
| Tl 190.794 | -10.2729b | ppb | 2.8968 | 28.2 | -18.9771 |
| V 292.401 | 11.6613b | ppb | 0.6049 | 5.2 | 246.350 |
| Zn 206.200 | 20.3063b | ppb | 0.9305 | 4.6 | 21.6755 |

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

Cont Calib Verif (CCV) 4/25/2013, 1:47:11 AM Rack 2, Tube 49
 Weight: 1 Volume: 1 Dilution: 1

| Label | Replicates Concentration | | |
|------------|--------------------------|---------|---------|
| Ag 328.068 | 497.870 | 499.590 | 491.755 |
| Al 308.215 | 5018.68 | 4973.07 | 4953.14 |
| As 188.980 | 500.976 | 510.508 | 501.757 |
| B 249.678 | 522.771 | 522.842 | 517.380 |
| Ba 389.178 | 5147.40 | 5128.41 | 5088.12 |
| Be 313.042 | 532.565 | 529.941 | 526.734 |
| Ca 370.602 | 5063 | 5023 | 4993 |
| Cd 226.502 | 527.609 | 524.014 | 519.787 |
| Co 228.615 | 528.302 | 522.658 | 519.933 |
| Cr 267.716 | 5264.09 | 5220.77 | 5194.33 |
| Cu 324.754 | 5154.54 | 5137.36 | 5074.30 |
| Fe 271.441 | 5047.59 | 5040.45 | 4960.89 |
| K 766.491 | 10101.7 | 10092.2 | 10023.7 |
| Mg 279.078 | 5139.63 | 5088.21 | 5057.25 |
| Mn 257.610 | 5300.26 | 5263.36 | 5228.77 |
| Mo 202.032 | 499.624 | 497.375 | 493.679 |
| Na 330.237 | 7564.79 | 7682.98 | 7263.27 |
| Ni 231.604 | 2658.73 | 2643.38 | 2621.23 |
| Pb 220.353 | 507.097 | 495.197 | 496.337 |
| Sb 206.834 | 975.620 | 963.576 | 964.338 |
| Se 196.026 | 5104.35 | 5051.33 | 5006.99 |
| Sn 189.925 | 5111.85 | 5076.14 | 5022.43 |
| Sr 216.596 | 2556.88 | 2537.41 | 2518.37 |
| Ti 334.941 | 502.869 | 501.109 | 497.219 |
| Tl 190.794 | 5069.18 | 5050.37 | 5027.09 |
| V 292.401 | 5032.82 | 5014.52 | 4971.93 |
| Zn 206.200 | 2647.49 | 2636.25 | 2613.20 |

| Label | Sol'n Conc. | Units | SD | %RSD | Int. (c/s) | QC Value |
|------------|-------------|-------|---------|------|------------|-----------|
| Ag 328.068 | 496.405 | ppb | 4.1179 | 0.8 | 32398.8 | 99.28102 |
| Al 308.215 | 4981.63 | ppb | 33.5981 | 0.7 | 9608.99 | 99.63256 |
| As 188.980 | 504.414 | ppb | 5.2924 | 1.0 | 199.151 | 100.88277 |
| B 249.678 | 520.998 | ppb | 3.1330 | 0.6 | 6058.23 | 20.83990Q |
| Ba 389.178 | 5121.31 | ppb | 30.2717 | 0.6 | 93386.9 | 102.42614 |
| Be 313.042 | 529.747 | ppb | 2.9201 | 0.6 | 817185 | 105.94930 |
| Ca 370.602 | 5026 | ppb | 34.92 | 0.7 | 11791 | 100.52280 |
| Cd 226.502 | 523.803 | ppb | 3.9155 | 0.7 | 15981.5 | 104.76067 |
| Co 228.615 | 523.631 | ppb | 4.2686 | 0.8 | 4521.56 | 104.72623 |
| Cr 267.716 | 5226.39 | ppb | 35.2187 | 0.7 | 143990 | 104.52784 |
| Cu 324.754 | 5122.07 | ppb | 42.2518 | 0.8 | 238816 | 102.44136 |
| Fe 271.441 | 5016.31 | ppb | 48.1257 | 1.0 | 7417.49 | 100.32624 |
| K 766.491 | 10072.5 | ppb | 42.5878 | 0.4 | 274105 | 100.72520 |
| Mg 279.078 | 5095.03 | ppb | 41.6084 | 0.8 | 9194.68 | 101.90060 |
| Mn 257.610 | 5264.13 | ppb | 35.7518 | 0.7 | 1087782 | 105.28262 |
| Mo 202.032 | 496.893 | ppb | 3.0018 | 0.6 | 3110.72 | 99.37859 |
| Na 330.237 | 7503.68 | ppb | 216.421 | 2.9 | 333.501 | 100.04903 |
| Ni 231.604 | 2641.12 | ppb | 18.8552 | 0.7 | 6081.07 | 105.64462 |
| Pb 220.353 | 499.543 | ppb | 6.5663 | 1.3 | 679.003 | 99.90870 |
| Sb 206.834 | 967.844 | ppb | 6.7446 | 0.7 | 918.550 | 96.78444 |
| Se 196.026 | 5054.22 | ppb | 48.7477 | 1.0 | 2196.70 | 101.08448 |
| Sn 189.925 | 5070.14 | ppb | 45.0111 | 0.9 | 3214.88 | 101.40276 |
| Sr 216.596 | 2537.55 | ppb | 19.2567 | 0.8 | 21562.9 | 101.50220 |
| Ti 334.941 | 500.399 | ppb | 2.8913 | 0.6 | 108940 | 100.07985 |
| Tl 190.794 | 5048.88 | ppb | 21.0832 | 0.4 | 4147.27 | 100.97762 |
| V 292.401 | 5006.42 | ppb | 31.2400 | 0.6 | 115032 | 100.12846 |
| Zn 206.200 | 2632.32 | ppb | 17.4814 | 0.7 | 2455.17 | 105.29268 |

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

Cont Calib Blank (CCB) 4/25/2013, 1:52:46 AM Rack 2, Tube 50
 Weight: 1 Volume: 1 Dilution: 1

| Label | Replicates Concentration | | |
|------------|--------------------------|-----------|-----------|
| Ag 328.068 | -0.2278u | -0.0294u | -0.0467u |
| Al 308.215 | 3.5414 | -1.7389u | 4.3544 |
| As 188.980 | -2.4011u | -1.7294u | -8.9357u |
| B 249.678 | -12.1782u | -13.3418u | -14.7343u |
| Ba 389.178 | 0.4253 | 0.3351 | 0.1954 |
| Be 313.042 | 0.0047 | 0.0054 | 0.0009 |
| Ca 370.602 | 3.575 | 2.546 | -1.498u |
| Cd 226.502 | -0.1732u | -0.4244u | 0.0728 |
| Co 228.615 | 0.5594 | 0.1903 | -0.7004u |
| Cr 267.716 | 0.1097 | -0.2402u | 0.0516 |
| Cu 324.754 | -0.2519u | -0.6290u | 0.5585 |
| Fe 271.441 | 4.7831 | -3.9668u | 4.0519 |
| K 766.491 | -0.2420u | 0.5023 | -0.2741u |
| Mg 279.078 | 0.2987 | 1.5721 | 4.5493 |
| Mn 257.610 | 0.0174 | -0.0004u | -0.0124u |
| Mo 202.032 | -0.8421u | -0.3926u | -0.8496u |
| Na 330.237 | -44.5663u | -125.060u | 177.013 |
| Ni 231.604 | 1.7034 | 0.5263 | 1.7184 |
| Pb 220.353 | 3.4187 | -0.6267u | 2.6062 |
| Sb 206.834 | -2.0872u | -1.3692u | 2.5283 |
| Se 196.026 | -4.1200u | 3.7879 | 2.7218 |
| Sn 189.925 | -1.1297u | -3.3782u | -0.2420u |
| Sr 216.596 | 0.6639 | 0.0248 | 0.2527 |
| Ti 334.941 | -0.1159u | -0.0701u | -0.0339u |
| Tl 190.794 | -2.0020u | -2.6046u | -3.4531u |
| V 292.401 | 0.4625 | -0.1439u | 0.2880 |
| Zn 206.200 | -0.5413u | -0.9613u | -1.6748u |

| Label | Sol'n Conc. | Units | SD | %RSD | Int. (c/s) | QC Value |
|------------|-------------|-------|---------|--------|------------|-----------|
| Ag 328.068 | -0.1013 | ppb | 0.1099 | 108.5 | -35.6517 | -0.10130 |
| Al 308.215 | 2.0523 | ppb | 3.3083 | 161.2 | -28.7991 | 2.05231 |
| As 188.980 | -4.3554 | ppb | 3.9809 | 91.4 | -12.2987 | -4.35542 |
| B 249.678 | -13.4181 | ppb | 1.2797 | 9.5 | 336.027 | -13.41808 |
| Ba 389.178 | 0.3186 | ppb | 0.1158 | 36.4 | -25.9582 | 0.31858 |
| Be 313.042 | 0.0037 | ppb | 0.0024 | 65.5 | -311.887 | 0.00368 |
| Ca 370.602 | 1.541 | ppb | 2.682 | 174.1 | 0.7532 | 1.54073 |
| Cd 226.502 | -0.1750 | ppb | 0.2486 | 142.1 | 29.5304 | -0.17495 |
| Co 228.615 | 0.0164 | ppb | 0.6477 | 3942.4 | -7.2347 | 0.01643 |
| Cr 267.716 | -0.0263 | ppb | 0.1875 | 712.7 | -28.7227 | -0.02631 |
| Cu 324.754 | -0.1075 | ppb | 0.6068 | 564.7 | 139.614 | -0.10746 |
| Fe 271.441 | 1.6228 | ppb | 4.8545 | 299.2 | 30.4839 | 1.62276 |
| K 766.491 | -0.0046 | ppb | 0.4393 | 9536.0 | 192.243 | -0.00461 |
| Mg 279.078 | 2.1400 | ppb | 2.1815 | 101.9 | 36.9947 | 2.14003 |
| Mn 257.610 | 0.0015 | ppb | 0.0150 | 984.1 | 50.3375 | 0.00153 |
| Mo 202.032 | -0.6948 | ppb | 0.2617 | 37.7 | 16.3726 | -0.69477 |
| Na 330.237 | 2.4624 | ppb | 156.432 | 6352.8 | 58.5277 | 2.46239 |
| Ni 231.604 | 1.3160 | ppb | 0.6839 | 52.0 | -4.4692 | 1.31604 |
| Pb 220.353 | 1.7994 | ppb | 2.1400 | 118.9 | 35.6965 | 1.79942 |
| Sb 206.834 | -0.3094 | ppb | 2.4836 | 802.7 | -0.8994 | -0.30939 |
| Se 196.026 | 0.7966 | ppb | 4.2911 | 538.7 | 9.7489 | 0.79657 |
| Sn 189.925 | -1.5833 | ppb | 1.6166 | 102.1 | -9.1304 | -1.58330 |
| Sr 216.596 | 0.3138 | ppb | 0.3239 | 103.2 | 24.4539 | 0.31380 |
| Ti 334.941 | -0.0733 | ppb | 0.0411 | 56.1 | -43.6650 | -0.07331 |
| Tl 190.794 | -2.6866 | ppb | 0.7290 | 27.1 | -12.5942 | -2.68656 |
| V 292.401 | 0.2022 | ppb | 0.3122 | 154.4 | -2.0371 | 0.20219 |
| Zn 206.200 | -1.0591 | ppb | 0.5730 | 54.1 | 25.7103 | -1.05913 |

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

680-89447-h-1-b (Samp) 4/25/2013, 1:58:22 AM Rack 2, Tube 51

Weight: 1

Volume: 1

Dilution: 1

| Label | Replicates Concentration | | |
|------------|--------------------------|----------|----------|
| Ag 328.068 | -0.7319u | -0.4840u | -0.6328u |
| Al 308.215 | 54.1802 | 49.5468 | 43.5285 |
| As 188.980 | -7.8744u | 1.3255 | -8.9186u |
| B 249.678 | 2187.32 | 2196.68 | 2204.22 |
| Ba 389.178 | 9.1600 | 10.4732 | 11.0391 |
| Be 313.042 | 0.0745u | 0.0622u | 0.0739u |
| Ca 370.602 | 173421 | 173392 | 173405 |
| Cd 226.502 | 0.1568u | 0.1346u | 0.2672 |
| Co 228.615 | -0.7620u | 0.3308 | -1.0491u |
| Cr 267.716 | 7.3007 | 8.0519 | 7.6704 |
| Cu 324.754 | 0.6591 | 1.0628 | 1.2439 |
| Fe 271.441 | 23.6011 | 28.7675 | 13.8453 |
| K 766.491 | 202032x | 195562x | 204012x |
| Mg 279.078 | 220975 | 220982 | 220717 |
| Mn 257.610 | 69.9069 | 69.9628 | 69.9535 |
| Mo 202.032 | 1.1805 | -0.4170u | 1.0693 |
| Na 330.237 | 2316917x | 2297705x | 2295549x |
| Ni 231.604 | 6.2394 | 6.5108 | 5.7230 |
| Pb 220.353 | 8.0543 | -0.0347u | 3.1018 |
| Sb 206.834 | -3.7608u | 0.1492 | -2.7272u |
| Se 196.026 | 20.5606 | 17.1364 | 3.2374 |
| Sn 189.925 | -6.0760u | 1.3616 | -5.3894u |
| Sr 216.596 | 2938.46 | 2931.21 | 2923.77 |
| Ti 334.941 | -0.8885 | -0.9553 | -0.9702 |
| Tl 190.794 | -10.1718u | -6.3277u | -9.0377u |
| V 292.401 | 9.5357 | 9.4033 | 9.4710 |
| Zn 206.200 | 7.8207 | 4.5393 | 8.0554 |

| Label | Sol'n Conc. | Units | SD | %RSD | Int. (c/s) |
|------------|-------------|-------|---------|-------|------------|
| Ag 328.068 | -0.6162b | ppb | 0.1248 | 20.2 | -187.972 |
| Al 308.215 | 49.0852b | ppb | 5.3408 | 10.9 | 62.3281 |
| As 188.980 | -5.1558b | ppb | 5.6372 | 109.3 | -12.6315 |
| B 249.678 | 2196.07b | ppb | 8.4692 | 0.4 | 24016.7 |
| Ba 389.178 | 10.2241b | ppb | 0.9640 | 9.4 | 609.388 |
| Be 313.042 | 0.0702b | ppb | 0.0069 | 9.9 | -378.880 |
| Ca 370.602 | 173406b | ppb | 14.54 | 0.0 | 410140 |
| Cd 226.502 | 0.1862b | ppb | 0.0710 | 38.1 | 33.0909 |
| Co 228.615 | -0.4934b | ppb | 0.7281 | 147.6 | -11.5124 |
| Cr 267.716 | 7.6744b | ppb | 0.3756 | 4.9 | 205.602 |
| Cu 324.754 | 0.9886b | ppb | 0.2993 | 30.3 | 190.663 |
| Fe 271.441 | 22.0713b | ppb | 7.5779 | 34.3 | 60.2270 |
| K 766.491 | 200535xb | ppb | 4419.14 | 2.2 | 5453556 |
| Mg 279.078 | 220891b | ppb | 150.993 | 0.1 | 400390 |
| Mn 257.610 | 69.9410b | ppb | 0.0299 | 0.0 | 15643.0 |
| Mo 202.032 | 0.6109b | ppb | 0.8920 | 146.0 | 24.4987 |
| Na 330.237 | 2303390xb | ppb | 11764.2 | 0.5 | 90340.4 |
| Ni 231.604 | 6.1577b | ppb | 0.4002 | 6.5 | 6.6928 |
| Pb 220.353 | 3.7071b | ppb | 4.0783 | 110.0 | 38.1715 |
| Sb 206.834 | -2.1129b | ppb | 2.0261 | 95.9 | -2.4774 |
| Se 196.026 | 13.6448b | ppb | 9.1743 | 67.2 | 15.3227 |
| Sn 189.925 | -3.3679b | ppb | 4.1102 | 122.0 | -9.6255 |
| Sr 216.596 | 2931.15b | ppb | 7.3427 | 0.3 | 24972.9 |
| Ti 334.941 | -0.9380b | ppb | 0.0435 | 4.6 | 413.412 |
| Tl 190.794 | -8.5124b | ppb | 1.9751 | 23.2 | -17.4864 |
| V 292.401 | 9.4700b | ppb | 0.0662 | 0.7 | 198.831 |
| Zn 206.200 | 6.8052b | ppb | 1.9658 | 28.8 | 9.0504 |

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

680-89447-g-2-b (Samp) 4/25/2013, 2:03:58 AM Rack 2, Tube 52

Weight: 1

Volume: 1

Dilution: 1

| Label | Replicates Concentration | | |
|------------|--------------------------|-----------|-----------|
| Ag 328.068 | -0.6384u | -0.7570u | -1.3821u |
| Al 308.215 | 2925.53 | 2940.79 | 2964.42 |
| As 188.980 | -2.8288u | -9.5294u | 2.7658 |
| B 249.678 | 2703.05 | 2708.45 | 2732.39 |
| Ba 389.178 | 22.1567 | 23.0019 | 21.3395 |
| Be 313.042 | 0.4478 | 0.4588 | 0.4451 |
| Ca 370.602 | 521658 | 524280 | 524103 |
| Cd 226.502 | 1.0283 | 1.2188 | 1.1247 |
| Co 228.615 | -1.4499u | -0.8927u | -1.1975u |
| Cr 267.716 | 11.3008 | 11.1036 | 11.3875 |
| Cu 324.754 | 0.0401 | 0.3921 | 0.6757 |
| Fe 271.441 | 484.976 | 486.675 | 494.280 |
| K 766.491 | 325189x | 326174x | 329452x |
| Mg 279.078 | 587614 | 590337 | 591345 |
| Mn 257.610 | 178.406 | 178.406 | 180.064 |
| Mo 202.032 | -1.3819u | -1.7288u | -0.9795u |
| Na 330.237 | 6492537x | 6493124x | 6568139x |
| Ni 231.604 | 5.8094 | 0.3056 | 4.8761 |
| Pb 220.353 | 9.7033 | 15.3084 | 12.6868 |
| Sb 206.834 | 0.1620 | -6.8791u | -2.0940u |
| Se 196.026 | 10.8071 | 5.3003 | 21.6645 |
| Sn 189.925 | -0.4060 | -3.5919u | -6.9601u |
| Sr 216.596 | 6702.74x | 6723.33x | 6736.74x |
| Ti 334.941 | 1.8471 | 1.8843 | 2.1446 |
| Tl 190.794 | -10.9060u | -17.0638u | -13.7402u |
| V 292.401 | 10.2329 | 9.8287 | 10.5819 |
| Zn 206.200 | 46.1496 | 39.5753 | 42.3397 |

| Label | Sol'n Conc. | Units | SD | %RSD | Int. (c/s) |
|------------|-------------|-------|---------|-------|------------|
| Ag 328.068 | -0.9258b | ppb | 0.3996 | 43.2 | -363.635 |
| Al 308.215 | 2943.58b | ppb | 19.5905 | 0.7 | 5669.02 |
| As 188.980 | -3.1975b | ppb | 6.1559 | 192.5 | -11.8139 |
| B 249.678 | 2714.63b | ppb | 15.6133 | 0.6 | 29574.1 |
| Ba 389.178 | 22.1660b | ppb | 0.8313 | 3.8 | 1586.95 |
| Be 313.042 | 0.4506b | ppb | 0.0073 | 1.6 | -81.9155 |
| Ca 370.602 | 523347b | ppb | 1466 | 0.3 | 1237801 |
| Cd 226.502 | 1.1239b | ppb | 0.0953 | 8.5 | 48.9994 |
| Co 228.615 | -1.1800b | ppb | 0.2790 | 23.6 | -17.1825 |
| Cr 267.716 | 11.2640b | ppb | 0.1455 | 1.3 | 345.056 |
| Cu 324.754 | 0.3693b | ppb | 0.3184 | 86.2 | 161.888 |
| Fe 271.441 | 488.644b | ppb | 4.9543 | 1.0 | 737.356 |
| K 766.491 | 326939xb | ppb | 2231.95 | 0.7 | 8890965 |
| Mg 279.078 | 589765b | ppb | 1929.82 | 0.3 | 1068959 |
| Mn 257.610 | 178.959b | ppb | 0.9574 | 0.5 | 40075.0 |
| Mo 202.032 | -1.3634b | ppb | 0.3750 | 27.5 | 12.1673 |
| Na 330.237 | 6517933xb | ppb | 43480.7 | 0.7 | 255530 |
| Ni 231.604 | 3.6637b | ppb | 2.9454 | 80.4 | 0.9530 |
| Pb 220.353 | 12.5662b | ppb | 2.8045 | 22.3 | 49.6033 |
| Sb 206.834 | -2.9370b | ppb | 3.5955 | 122.4 | -3.1430 |
| Se 196.026 | 12.5906b | ppb | 8.3266 | 66.1 | 14.8948 |
| Sn 189.925 | -3.6527b | ppb | 3.2775 | 89.7 | -8.6285 |
| Sr 216.596 | 6720.94xb | ppb | 17.1261 | 0.3 | 57243.2 |
| Ti 334.941 | 1.9587b | ppb | 0.1620 | 8.3 | 2101.29 |
| Tl 190.794 | -13.9033b | ppb | 3.0821 | 22.2 | -22.0932 |
| V 292.401 | 10.2145b | ppb | 0.3770 | 3.7 | 193.752 |
| Zn 206.200 | 42.6882b | ppb | 3.3010 | 7.7 | 42.6028 |

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

680-89447-e-2-b (Samp) 4/25/2013, 2:09:33 AM Rack 2, Tube 53

Weight: 1

Volume: 1

Dilution: 1

| Label | Replicates Concentration | | |
|------------|--------------------------|-----------|-----------|
| Ag 328.068 | -0.8442u | -0.2738u | -0.5660u |
| Al 308.215 | 125.708 | 124.514 | 132.119 |
| As 188.980 | 4.6793 | 6.8243 | -1.3832u |
| B 249.678 | 2727.99 | 2741.95 | 2766.67 |
| Ba 389.178 | 14.4346 | 15.3875 | 15.9013 |
| Be 313.042 | 0.3003u | 0.3073u | 0.3041u |
| Ca 370.602 | 231358 | 232435 | 233917 |
| Cd 226.502 | 0.7895 | 0.6937u | 0.8936 |
| Co 228.615 | -1.7051u | -1.5599u | -0.7604u |
| Cr 267.716 | 1.5306 | 0.6552 | 1.1008 |
| Cu 324.754 | 1.5463 | 1.6418 | 1.1426 |
| Fe 271.441 | 66.3134 | 68.3494 | 63.9161 |
| K 766.491 | 325384x | 327223x | 329262x |
| Mg 279.078 | 541931 | 546295 | 549170 |
| Mn 257.610 | 80.8519 | 81.0075 | 81.7923 |
| Mo 202.032 | -0.2121u | -0.5004u | 0.2273 |
| Na 330.237 | 6471593x | 6536375x | 6566112x |
| Ni 231.604 | 4.8263 | 4.9077 | 6.2895 |
| Pb 220.353 | 10.2088 | 5.4149 | 10.9917 |
| Sb 206.834 | -1.2112u | -1.3970u | 0.6568 |
| Se 196.026 | 14.3823 | 13.9336 | 7.2859 |
| Sn 189.925 | -6.3284u | -8.3793u | -9.1424u |
| Sr 216.596 | 4046.81 | 4052.72 | 4082.38 |
| Ti 334.941 | -5.7133 | -5.8867 | -5.6669 |
| Tl 190.794 | -9.3760u | -15.6800u | -10.4169u |
| V 292.401 | 4.4899 | 4.8196 | 4.8906 |
| Zn 206.200 | 4.8655 | 7.3243 | 10.6717 |

| Label | Sol'n Conc. | Units | SD | %RSD | Int. (c/s) |
|------------|-------------|-------|---------|-------|------------|
| Ag 328.068 | -0.5613b | ppb | 0.2852 | 50.8 | -234.115 |
| Al 308.215 | 127.447b | ppb | 4.0901 | 3.2 | 214.107 |
| As 188.980 | 3.3735b | ppb | 4.2567 | 126.2 | -9.0852 |
| B 249.678 | 2745.53b | ppb | 19.5874 | 0.7 | 29905.8 |
| Ba 389.178 | 15.2411b | ppb | 0.7442 | 4.9 | 1370.03 |
| Be 313.042 | 0.3039b | ppb | 0.0035 | 1.2 | -390.580 |
| Ca 370.602 | 232570b | ppb | 1285 | 0.6 | 550073 |
| Cd 226.502 | 0.7923b | ppb | 0.0999 | 12.6 | 37.0638 |
| Co 228.615 | -1.3418b | ppb | 0.5087 | 37.9 | -18.7722 |
| Cr 267.716 | 1.0955b | ppb | 0.4377 | 40.0 | 64.6924 |
| Cu 324.754 | 1.4435b | ppb | 0.2650 | 18.4 | 211.908 |
| Fe 271.441 | 66.1930b | ppb | 2.2191 | 3.4 | 124.134 |
| K 766.491 | 327290xb | ppb | 1939.71 | 0.6 | 8900516 |
| Mg 279.078 | 545799b | ppb | 3644.94 | 0.7 | 989273 |
| Mn 257.610 | 81.2172b | ppb | 0.5040 | 0.6 | 19646.8 |
| Mo 202.032 | -0.1617b | ppb | 0.3665 | 226.6 | 19.6876 |
| Na 330.237 | 6524694xb | ppb | 48329.9 | 0.7 | 255796 |
| Ni 231.604 | 5.3412b | ppb | 0.8223 | 15.4 | 4.8114 |
| Pb 220.353 | 8.8718b | ppb | 3.0192 | 34.0 | 44.8508 |
| Sb 206.834 | -0.6505b | ppb | 1.1359 | 174.6 | -1.1876 |
| Se 196.026 | 11.8673b | ppb | 3.9739 | 33.5 | 14.5584 |
| Sn 189.925 | -7.9500b | ppb | 1.4553 | 18.3 | -11.4485 |
| Sr 216.596 | 4060.64b | ppb | 19.0606 | 0.5 | 34586.9 |
| Ti 334.941 | -5.7557b | ppb | 0.1159 | 2.0 | 266.815 |
| Tl 190.794 | -11.8243b | ppb | 3.3795 | 28.6 | -20.2447 |
| V 292.401 | 4.7334b | ppb | 0.2138 | 4.5 | 67.1542 |
| Zn 206.200 | 7.6205b | ppb | 2.9144 | 38.2 | 9.8222 |

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

mb 680-274145/1-a (Samp) **4/25/2013, 2:15:09 AM** **Rack 2, Tube 54**
Weight: 1 **Volume: 1** **Dilution: 1**

| Label | Replicates Concentration | | |
|------------|--------------------------|-----------|-----------|
| Ag 328.068 | 0.0443 | 0.1216 | -0.0967u |
| Al 308.215 | 1.2788 | -5.2682u | 6.4181 |
| As 188.980 | 7.6848 | 7.5863 | -4.5470u |
| B 249.678 | 12.3301 | 11.5577 | 8.2408 |
| Ba 389.178 | 0.3558 | -0.0833u | 0.1531 |
| Be 313.042 | -0.0022u | -0.0056u | -0.0056u |
| Ca 370.602 | 6.680 | 4.583 | 10.83 |
| Cd 226.502 | -0.2639u | -0.0778u | 0.0170 |
| Co 228.615 | -0.9224u | -0.8666u | 0.1383 |
| Cr 267.716 | 0.4311 | 0.4923 | -0.0936u |
| Cu 324.754 | -0.1146u | 0.1120 | -0.1709u |
| Fe 271.441 | -4.7311u | 3.1998 | 1.0133 |
| K 766.491 | 3.0009 | 5.0140 | 5.1652 |
| Mg 279.078 | 6.2577 | 6.4281 | 6.7027 |
| Mn 257.610 | -0.1195u | -0.0783u | -0.0920u |
| Mo 202.032 | -0.4854u | -1.1127u | -1.4730u |
| Na 330.237 | -132.840u | -84.5991u | -56.9818u |
| Ni 231.604 | 1.4262 | -0.4525u | 0.0912 |
| Pb 220.353 | -2.2384u | 2.6709 | -0.3709u |
| Sb 206.834 | -5.4652u | -1.8116u | -6.9908u |
| Se 196.026 | -1.2121u | 2.3761 | 6.7007 |
| Sn 189.925 | 0.1778 | -3.8302u | -2.1398u |
| Sr 216.596 | -0.1446u | 0.0791 | 0.2786 |
| Ti 334.941 | -0.1344u | -0.1389u | -0.1140u |
| Tl 190.794 | -5.1036u | -1.9458u | -4.0364u |
| V 292.401 | -0.1964u | 0.0133 | -0.0886u |
| Zn 206.200 | 2.1026 | 1.2241 | 0.6819 |

| Label | Sol'n Conc. | Units | SD | %RSD | Int. (c/s) |
|------------|-------------|-------|---------|---------|------------|
| Ag 328.068 | 0.0230 | ppb | 0.1107 | 480.3 | -27.4933 |
| Al 308.215 | 0.8095 | ppb | 5.8573 | 723.5 | -31.2206 |
| As 188.980 | 3.5747 | ppb | 7.0338 | 196.8 | -9.0019 |
| B 249.678 | 10.7096 | ppb | 2.1726 | 20.3 | 594.616 |
| Ba 389.178 | 0.1418 | ppb | 0.2198 | 154.9 | -29.1743 |
| Be 313.042 | -0.0045 | ppb | 0.0019 | 43.3 | -324.408 |
| Ca 370.602 | 7.364 | ppb | 3.178 | 43.2 | 14.48 |
| Cd 226.502 | -0.1082 | ppb | 0.1429 | 132.0 | 31.5612 |
| Co 228.615 | -0.5502 | ppb | 0.5970 | 108.5 | -12.1191 |
| Cr 267.716 | 0.2766 | ppb | 0.3221 | 116.4 | -20.3736 |
| Cu 324.754 | -0.0579 | ppb | 0.1497 | 258.7 | 141.919 |
| Fe 271.441 | -0.1727 | ppb | 4.0963 | 2372.4 | 27.8360 |
| K 766.491 | 4.3934 | ppb | 1.2083 | 27.5 | 311.841 |
| Mg 279.078 | 6.4628 | ppb | 0.2246 | 3.5 | 44.8303 |
| Mn 257.610 | -0.0966 | ppb | 0.0210 | 21.7 | 30.0831 |
| Mo 202.032 | -1.0237 | ppb | 0.4998 | 48.8 | 14.3220 |
| Na 330.237 | -91.4736 | ppb | 38.3934 | 42.0 | 54.8373 |
| Ni 231.604 | 0.3550 | ppb | 0.9667 | 272.3 | -6.6847 |
| Pb 220.353 | 0.0206 | ppb | 2.4779 | 12049.6 | 33.3977 |
| Sb 206.834 | -4.7559 | ppb | 2.6615 | 56.0 | -4.9122 |
| Se 196.026 | 2.6216 | ppb | 3.9621 | 151.1 | 10.5383 |
| Sn 189.925 | -1.9307 | ppb | 2.0122 | 104.2 | -9.3512 |
| Sr 216.596 | 0.0711 | ppb | 0.2117 | 297.9 | 22.4173 |
| Ti 334.941 | -0.1291 | ppb | 0.0133 | 10.3 | -55.8042 |
| Tl 190.794 | -3.6953 | ppb | 1.6063 | 43.5 | -13.4258 |
| V 292.401 | -0.0905 | ppb | 0.1049 | 115.8 | -8.7249 |
| Zn 206.200 | 1.3362 | ppb | 0.7169 | 53.7 | 279507 |

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

ics 680-274145/2-a (Samp) 4/25/2013, 2:20:44 AM Rack 2, Tube 55
 Weight: 1 Volume: 1 Dilution: 1

| Label | Replicates Concentration | | |
|------------|--------------------------|---------|---------|
| Ag 328.068 | 18.4773 | 17.7668 | 17.7988 |
| Al 308.215 | 5516.29 | 5509.35 | 5470.17 |
| As 188.980 | 111.035 | 108.919 | 114.709 |
| B 249.678 | 195.354 | 195.117 | 192.897 |
| Ba 389.178 | 107.620 | 107.665 | 106.792 |
| Be 313.042 | 56.1769 | 56.0762 | 55.8421 |
| Ca 370.602 | 5144 | 5145 | 5111 |
| Cd 226.502 | 55.7407 | 55.9856 | 55.4172 |
| Co 228.615 | 54.8810 | 55.4628 | 54.8315 |
| Cr 267.716 | 111.913 | 111.007 | 110.873 |
| Cu 324.754 | 107.537 | 108.321 | 107.251 |
| Fe 271.441 | 5224.08 | 5220.83 | 5182.04 |
| K 766.491 | 5256.00 | 5272.53 | 5228.67 |
| Mg 279.078 | 5321.46 | 5303.29 | 5267.49 |
| Mn 257.610 | 563.600 | 562.961 | 560.046 |
| Mo 202.032 | 104.706 | 102.941 | 102.472 |
| Na 330.237 | 5330.83 | 5281.37 | 5258.16 |
| Ni 231.604 | 108.832 | 107.892 | 108.346 |
| Pb 220.353 | 49.8836 | 53.2476 | 52.7700 |
| Sb 206.834 | 46.2781 | 52.0029 | 38.4683 |
| Se 196.026 | 105.157 | 105.609 | 102.567 |
| Sn 189.925 | 207.081 | 204.134 | 210.069 |
| Sr 216.596 | 108.178 | 107.178 | 106.499 |
| Ti 334.941 | 104.532 | 104.463 | 103.997 |
| Tl 190.794 | 36.0398 | 38.6888 | 37.4062 |
| V 292.401 | 105.907 | 106.102 | 105.473 |
| Zn 206.200 | 107.829 | 105.926 | 108.754 |

| Label | Sol'n Conc. | Units | SD | %RSD | Int. (c/s) |
|------------|-------------|-------|---------|------|------------|
| Ag 328.068 | 18.0143 | ppb | 0.4013 | 2.2 | 1147.56 |
| Al 308.215 | 5498.61 | ppb | 24.8664 | 0.5 | 10622.3 |
| As 188.980 | 111.554 | ppb | 2.9297 | 2.6 | 35.9030 |
| B 249.678 | 194.456 | ppb | 1.3555 | 0.7 | 2558.37 |
| Ba 389.178 | 107.359 | ppb | 0.4913 | 0.5 | 1943.33 |
| Be 313.042 | 56.0317 | ppb | 0.1718 | 0.3 | 86157.4 |
| Ca 370.602 | 5133 | ppb | 19.40 | 0.4 | 11850 |
| Cd 226.502 | 55.7145 | ppb | 0.2851 | 0.5 | 1745.63 |
| Co 228.615 | 55.0584 | ppb | 0.3511 | 0.6 | 467.536 |
| Cr 267.716 | 111.264 | ppb | 0.5658 | 0.5 | 3039.74 |
| Cu 324.754 | 107.703 | ppb | 0.5541 | 0.5 | 5167.02 |
| Fe 271.441 | 5208.98 | ppb | 23.3908 | 0.4 | 7596.08 |
| K 766.491 | 5252.40 | ppb | 22.1516 | 0.4 | 143026 |
| Mg 279.078 | 5297.42 | ppb | 27.4634 | 0.5 | 9626.26 |
| Mn 257.610 | 562.202 | ppb | 1.8943 | 0.3 | 116255 |
| Mo 202.032 | 103.373 | ppb | 1.1781 | 1.1 | 664.885 |
| Na 330.237 | 5290.12 | ppb | 37.1203 | 0.7 | 263.355 |
| Ni 231.604 | 108.357 | ppb | 0.4702 | 0.4 | 242.385 |
| Pb 220.353 | 51.9671 | ppb | 1.8201 | 3.5 | 100.397 |
| Sb 206.834 | 45.5831 | ppb | 6.7940 | 14.9 | 40.8068 |
| Se 196.026 | 104.444 | ppb | 1.6417 | 1.6 | 54.7285 |
| Sn 189.925 | 207.095 | ppb | 2.9674 | 1.4 | 123.526 |
| Sr 216.596 | 107.285 | ppb | 0.8445 | 0.8 | 932.225 |
| Ti 334.941 | 104.331 | ppb | 0.2910 | 0.3 | 22706.6 |
| Tl 190.794 | 37.3783 | ppb | 1.3247 | 3.5 | 19.5641 |
| V 292.401 | 105.828 | ppb | 0.3222 | 0.3 | 2410.99 |
| Zn 206.200 | 107.503 | ppb | 1.4422 | 1.3 | 107.047 |

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

ics 680-274145/3-a (Samp) 4/25/2013, 2:26:20 AM Rack 2, Tube 56
 Weight: 1 Volume: 1 Dilution: 1

| Label | Replicates Concentration | | |
|------------|--------------------------|---------|---------|
| Ag 328.068 | 182.073 | 182.780 | 183.973 |
| Al 308.215 | 2191.13 | 2191.48 | 2183.57 |
| As 188.980 | 228.626 | 218.580 | 219.204 |
| B 249.678 | 389.898 | 390.346 | 391.981 |
| Ba 389.178 | 204.709 | 205.301 | 206.557 |
| Be 313.042 | 219.704 | 219.650 | 220.175 |
| Ca 370.602 | 20347 | 20334 | 20361 |
| Cd 226.502 | 216.394 | 216.886 | 217.278 |
| Co 228.615 | 214.122 | 212.945 | 215.410 |
| Cr 267.716 | 215.715 | 216.562 | 216.408 |
| Cu 324.754 | 211.575 | 214.898 | 213.857 |
| Fe 271.441 | 20559.4 | 20523.3 | 20458.2 |
| K 766.491 | 20762.8 | 20687.3 | 20823.9 |
| Mg 279.078 | 20813.4 | 20809.8 | 20818.5 |
| Mn 257.610 | 2226.41 | 2220.87 | 2223.98 |
| Mo 202.032 | 204.065 | 204.802 | 205.730 |
| Na 330.237 | 19287.0 | 19002.1 | 19432.7 |
| Ni 231.604 | 213.769 | 212.472 | 213.422 |
| Pb 220.353 | 206.486 | 206.481 | 205.999 |
| Sb 206.834 | 198.554 | 196.995 | 194.103 |
| Se 196.026 | 207.559 | 203.025 | 205.842 |
| Sn 189.925 | 207.360 | 199.311 | 209.065 |
| Sr 216.596 | 210.648 | 209.718 | 210.028 |
| Ti 334.941 | 204.551 | 204.592 | 204.871 |
| Tl 190.794 | 36.9830 | 40.8631 | 34.5114 |
| V 292.401 | 208.725 | 208.505 | 208.535 |
| Zn 206.200 | 212.775 | 211.866 | 210.940 |

| Label | Sol'n Conc. | Units | SD | %RSD | Int. (c/s) |
|------------|-------------|-------|---------|------|------------|
| Ag 328.068 | 182.942 | ppb | 0.9608 | 0.5 | 11939.7 |
| Al 308.215 | 2188.73 | ppb | 4.4726 | 0.2 | 4214.78 |
| As 188.980 | 222.137 | ppb | 5.6290 | 2.5 | 81.9567 |
| B 249.678 | 390.742 | ppb | 1.0965 | 0.3 | 4645.70 |
| Ba 389.178 | 205.522 | ppb | 0.9437 | 0.5 | 3783.06 |
| Be 313.042 | 219.843 | ppb | 0.2885 | 0.1 | 339001 |
| Ca 370.602 | 20347 | ppb | 13.66 | 0.1 | 46956 |
| Cd 226.502 | 216.853 | ppb | 0.4430 | 0.2 | 6694.45 |
| Co 228.615 | 214.159 | ppb | 1.2330 | 0.6 | 1840.73 |
| Cr 267.716 | 216.228 | ppb | 0.4509 | 0.2 | 5937.44 |
| Cu 324.754 | 213.443 | ppb | 1.6998 | 0.8 | 10100.7 |
| Fe 271.441 | 20513.6 | ppb | 51.2744 | 0.2 | 29829.4 |
| K 766.491 | 20758.0 | ppb | 68.3914 | 0.3 | 564686 |
| Mg 279.078 | 20813.9 | ppb | 4.4174 | 0.0 | 37729.7 |
| Mn 257.610 | 2223.75 | ppb | 2.7773 | 0.1 | 459688 |
| Mo 202.032 | 204.866 | ppb | 0.8343 | 0.4 | 1296.91 |
| Na 330.237 | 19240.6 | ppb | 218.998 | 1.1 | 805.452 |
| Ni 231.604 | 213.221 | ppb | 0.6718 | 0.3 | 484.403 |
| Pb 220.353 | 206.322 | ppb | 0.2798 | 0.1 | 300.041 |
| Sb 206.834 | 196.550 | ppb | 2.2584 | 1.1 | 178.347 |
| Se 196.026 | 205.475 | ppb | 2.2892 | 1.1 | 98.8662 |
| Sn 189.925 | 205.245 | ppb | 5.2094 | 2.5 | 122.359 |
| Sr 216.596 | 210.131 | ppb | 0.4733 | 0.2 | 1809.12 |
| Ti 334.941 | 204.672 | ppb | 0.1742 | 0.1 | 44608.2 |
| Tl 190.794 | 37.4525 | ppb | 3.2018 | 8.5 | 17.0429 |
| V 292.401 | 208.588 | ppb | 0.1195 | 0.1 | 4758.74 |
| Zn 206.200 | 211.860 | ppb | 0.9175 | 0.4 | 209.462 |

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

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

Weight: 1

Volume: 1

Dilution: 1

| Label | Replicates Concentration | | |
|------------|--------------------------|----------|----------|
| Ag 328.068 | -0.2926u | -0.5921u | -0.3317u |
| Al 308.215 | 23.7779 | 33.1870 | 28.2599 |
| As 188.980 | 20.0399 | 11.6586 | 13.4086 |
| B 249.678 | 178.474 | 177.527 | 177.514 |
| Ba 389.178 | 30.8934 | 30.5908 | 31.7535 |
| Be 313.042 | -0.0430u | -0.0402u | -0.0329u |
| Ca 370.602 | 156042 | 156261 | 156183 |
| Cd 226.502 | -0.1890 | -0.3086u | 0.2229 |
| Co 228.615 | 1.3352 | 1.5534 | 1.7573 |
| Cr 267.716 | 3.3887 | 3.1860 | 3.0082 |
| Cu 324.754 | 0.7921 | 0.9846 | 1.0016 |
| Fe 271.441 | 1922.95 | 1914.91 | 1911.00 |
| K 766.491 | 69200.7x | 69328.6x | 69348.0x |
| Mg 279.078 | 17381.7 | 17386.0 | 17400.8 |
| Mn 257.610 | 22.2069 | 22.1497 | 22.1329 |
| Mo 202.032 | 6.8084 | 6.2903 | 5.7923 |
| Na 330.237 | 43312.6 | 43155.2 | 43238.9 |
| Ni 231.604 | 11.6480 | 12.2845 | 10.7922 |
| Pb 220.353 | 0.8233 | 0.8438 | -0.8908u |
| Sb 206.834 | -0.8508u | -2.8841u | -2.7185u |
| Se 196.026 | 10.6639 | 7.4138 | 1.8016 |
| Sn 189.925 | 1.2724 | -2.3371u | -0.1337u |
| Sr 216.596 | 925.857 | 923.813 | 920.506 |
| Ti 334.941 | 0.2229 | 0.2995 | 0.3496 |
| Tl 190.794 | -4.4788u | -3.4513u | -8.1811u |
| V 292.401 | 17.0367 | 17.2245 | 16.9382 |
| Zn 206.200 | 11.2776 | 10.5621 | 11.7918 |

| Label | Sol'n Conc. | Units | SD | %RSD | Int. (c/s) |
|------------|-------------|-------|---------|-------|------------|
| Ag 328.068 | -0.4055b | ppb | 0.1628 | 40.1 | -92.2758 |
| Al 308.215 | 28.4083b | ppb | 4.7063 | 16.6 | 22.4579 |
| As 188.980 | 15.0357b | ppb | 4.4212 | 29.4 | -4.2261 |
| B 249.678 | 177.838b | ppb | 0.5504 | 0.3 | 2383.91 |
| Ba 389.178 | 31.0792b | ppb | 0.6032 | 1.9 | 572.981 |
| Be 313.042 | -0.0387b | ppb | 0.0052 | 13.5 | -340.891 |
| Ca 370.602 | 156162b | ppb | 111.1 | 0.1 | 369239 |
| Cd 226.502 | -0.0916b | ppb | 0.2788 | 304.5 | 38.0446 |
| Co 228.615 | 1.5486b | ppb | 0.2111 | 13.6 | 5.8340 |
| Cr 267.716 | 3.1943b | ppb | 0.1903 | 6.0 | 60.6679 |
| Cu 324.754 | 0.9261b | ppb | 0.1163 | 12.6 | 188.328 |
| Fe 271.441 | 1916.29b | ppb | 6.0890 | 0.3 | 2809.50 |
| K 766.491 | 69292.4xb | ppb | 80.0389 | 0.1 | 1884532 |
| Mg 279.078 | 17389.5b | ppb | 9.9949 | 0.1 | 31551.0 |
| Mn 257.610 | 22.1632b | ppb | 0.0388 | 0.2 | 4726.34 |
| Mo 202.032 | 6.2970b | ppb | 0.5081 | 8.1 | 59.8592 |
| Na 330.237 | 43235.6b | ppb | 78.7107 | 0.2 | 1752.55 |
| Ni 231.604 | 11.5749b | ppb | 0.7489 | 6.5 | 19.2151 |
| Pb 220.353 | 0.2587b | ppb | 0.9956 | 384.8 | 33.7008 |
| Sb 206.834 | -2.1511b | ppb | 1.1292 | 52.5 | -2.5797 |
| Se 196.026 | 6.6264b | ppb | 4.4833 | 67.7 | 12.2853 |
| Sn 189.925 | -0.3995b | ppb | 1.8194 | 455.5 | -8.3162 |
| Sr 216.596 | 923.392b | ppb | 2.7000 | 0.3 | 7890.71 |
| Ti 334.941 | 0.2907b | ppb | 0.0638 | 22.0 | 94.3781 |
| Tl 190.794 | -5.3704b | ppb | 2.4878 | 46.3 | -14.9101 |
| V 292.401 | 17.0665b | ppb | 0.1455 | 0.9 | 385.253 |
| Zn 206.200 | 11.2105b | ppb | 0.6176 | 5.5 | 2571800 |

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

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

Weight: 1

Volume: 1

Dilution: 1

| Label | Replicates Concentration | | |
|------------|--------------------------|----------|-----------|
| Ag 328.068 | -0.0587u | -0.2905u | -0.6812u |
| Al 308.215 | 6.6581 | 6.9134 | 3.8334 |
| As 188.980 | 0.7510 | 11.1134 | -3.8783u |
| B 249.678 | 14.1288 | 13.7311 | 13.7464 |
| Ba 389.178 | 4.9474 | 4.8094 | 4.1986 |
| Be 313.042 | -0.0100u | -0.0137u | -0.0147u |
| Ca 370.602 | 30007 | 29925 | 29898 |
| Cd 226.502 | 0.0070 | -0.3578u | -0.1564u |
| Co 228.615 | 0.3096 | -0.2032u | 0.0928 |
| Cr 267.716 | 0.5795 | 0.8855 | 1.2137 |
| Cu 324.754 | -0.2305u | -0.3005u | -0.1091u |
| Fe 271.441 | 384.858 | 380.226 | 392.200 |
| K 766.491 | 12822.1 | 12858.9 | 12859.5 |
| Mg 279.078 | 3445.84 | 3434.43 | 3423.08 |
| Mn 257.610 | 4.3670 | 4.2933 | 4.3928 |
| Mo 202.032 | -0.0142u | -0.3256u | 0.3746 |
| Na 330.237 | 8085.83 | 7918.99 | 8000.67 |
| Ni 231.604 | 3.3835 | 3.2774 | 1.4758 |
| Pb 220.353 | -3.0375u | -0.1181u | 1.3556 |
| Sb 206.834 | -0.9456u | -3.3708u | -2.0152u |
| Se 196.026 | 0.1918 | 2.3296 | -2.4832u |
| Sn 189.925 | -1.3592u | -2.2593u | -2.5571u |
| Sr 216.596 | 185.889 | 185.176 | 184.718 |
| Ti 334.941 | -0.1115u | 0.0004 | -0.0152 |
| Tl 190.794 | -4.1581u | -3.7177u | -10.3585u |
| V 292.401 | 2.9955 | 3.4785 | 3.2284 |
| Zn 206.200 | 0.7197 | 1.0385 | 0.1775 |

| Label | Sol'n Conc. | Units | SD | %RSD | Int. (c/s) |
|------------|-------------|-------|---------|---------|------------|
| Ag 328.068 | -0.3435 | ppb | 0.3146 | 91.6 | -58.8567 |
| Al 308.215 | 5.8016 | ppb | 1.7093 | 29.5 | -21.5183 |
| As 188.980 | 2.6620 | ppb | 7.6764 | 288.4 | -9.3790 |
| B 249.678 | 13.8688 | ppb | 0.2254 | 1.6 | 628.090 |
| Ba 389.178 | 4.6518 | ppb | 0.3985 | 8.6 | 60.5675 |
| Be 313.042 | -0.0128 | ppb | 0.0025 | 19.4 | -330.276 |
| Ca 370.602 | 29943 | ppb | 56.30 | 0.2 | 70797 |
| Cd 226.502 | -0.1691 | ppb | 0.1828 | 108.1 | 30.9073 |
| Co 228.615 | 0.0664 | ppb | 0.2575 | 387.7 | -6.8218 |
| Cr 267.716 | 0.8929 | ppb | 0.3171 | 35.5 | -3.2679 |
| Cu 324.754 | -0.2134 | ppb | 0.0968 | 45.4 | 134.777 |
| Fe 271.441 | 385.761 | ppb | 6.0380 | 1.6 | 587.967 |
| K 766.491 | 12846.8 | ppb | 21.4660 | 0.2 | 349550 |
| Mg 279.078 | 3434.45 | ppb | 11.3766 | 0.3 | 6257.93 |
| Mn 257.610 | 4.3510 | ppb | 0.0516 | 1.2 | 968.185 |
| Mo 202.032 | 0.0116 | ppb | 0.3508 | 3020.9 | 20.7558 |
| Na 330.237 | 8001.83 | ppb | 83.4267 | 1.0 | 371.968 |
| Ni 231.604 | 2.7122 | ppb | 1.0721 | 39.5 | -1.2437 |
| Pb 220.353 | -0.6000 | ppb | 2.2358 | 372.6 | 32.5950 |
| Sb 206.834 | -2.1105 | ppb | 1.2154 | 57.6 | -2.5241 |
| Se 196.026 | 0.0127 | ppb | 2.4114 | 18957.8 | 9.4128 |
| Sn 189.925 | -2.0586 | ppb | 0.6237 | 30.3 | -9.4207 |
| Sr 216.596 | 185.261 | ppb | 0.5899 | 0.3 | 1600.45 |
| Ti 334.941 | -0.0421 | ppb | 0.0606 | 143.9 | -25.2255 |
| Tl 190.794 | -6.0781 | ppb | 3.7135 | 61.1 | -15.4108 |
| V 292.401 | 3.2341 | ppb | 0.2415 | 7.5 | 67.6602 |
| Zn 206.200 | 0.6452 | ppb | 0.4353 | 67.5 | 257.3033 |

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

640-43209-a-13-aPDS (Samp) 4/25/2013, 2:43:07 AM Rack 2, Tube 59

Weight: 1

Volume: 1

Dilution: 1

| Label | Replicates Concentration | | |
|------------|--------------------------|----------|----------|
| Ag 328.068 | 52.6689 | 52.7033 | 52.0495 |
| Al 308.215 | 2207.49 | 2210.55 | 2206.96 |
| As 188.980 | 2253.23 | 2267.04 | 2290.80 |
| B 249.678 | 1243.35 | 1253.01 | 1261.86 |
| Ba 389.178 | 2151.55 | 2155.35 | 2161.03 |
| Be 313.042 | 54.5883 | 54.7293 | 54.7655 |
| Ca 370.602 | 158063 | 158054 | 157985 |
| Cd 226.502 | 53.9997 | 54.4471 | 54.1399 |
| Co 228.615 | 544.759 | 547.747 | 544.824 |
| Cr 267.716 | 219.689 | 220.209 | 219.246 |
| Cu 324.754 | 276.112 | 276.441 | 276.569 |
| Fe 271.441 | 2916.07 | 2913.49 | 2909.64 |
| K 766.491 | 73565.1x | 73855.5x | 74231.5x |
| Mg 279.078 | 22433.1 | 22467.6 | 22492.2 |
| Mn 257.610 | 572.534 | 573.832 | 574.492 |
| Mo 202.032 | 538.780 | 541.683 | 540.573 |
| Na 330.237 | 48046.9 | 48283.2 | 48340.9 |
| Ni 231.604 | 548.256 | 546.193 | 546.560 |
| Pb 220.353 | 510.572 | 514.626 | 511.471 |
| Sb 206.834 | 507.543 | 505.842 | 510.172 |
| Se 196.026 | 2130.00 | 2141.34 | 2149.97 |
| Sn 189.925 | 1062.79 | 1067.29 | 1078.99 |
| Sr 216.596 | 1442.98 | 1443.97 | 1443.28 |
| Ti 334.941 | 1045.24 | 1047.36 | 1049.53 |
| Tl 190.794 | 2091.45 | 2092.95 | 2089.60 |
| V 292.401 | 533.438 | 533.879 | 534.075 |
| Zn 206.200 | 538.807 | 536.177 | 546.068 |

| Label | Sol'n Conc. | Units | SD | %RSD | Int. (c/s) |
|------------|-------------|-------|---------|------|------------|
| Ag 328.068 | 52.4739b | ppb | 0.3680 | 0.7 | 3351.94 |
| Al 308.215 | 2208.33b | ppb | 1.9329 | 0.1 | 4265.81 |
| As 188.980 | 2270.35b | ppb | 19.0043 | 0.8 | 933.264 |
| B 249.678 | 1252.74b | ppb | 9.2605 | 0.7 | 13903.1 |
| Ba 389.178 | 2155.98b | ppb | 4.7705 | 0.2 | 39337.2 |
| Be 313.042 | 54.6944b | ppb | 0.0936 | 0.2 | 84060.3 |
| Ca 370.602 | 158034b | ppb | 42.56 | 0.0 | 373763 |
| Cd 226.502 | 54.1956b | ppb | 0.2288 | 0.4 | 1692.41 |
| Co 228.615 | 545.777b | ppb | 1.7064 | 0.3 | 4712.40 |
| Cr 267.716 | 219.715b | ppb | 0.4817 | 0.2 | 6027.34 |
| Cu 324.754 | 276.374b | ppb | 0.2359 | 0.1 | 13034.2 |
| Fe 271.441 | 2913.07b | ppb | 3.2319 | 0.1 | 4332.07 |
| K 766.491 | 73884.1xb | ppb | 334.107 | 0.5 | 2009397 |
| Mg 279.078 | 22464.3b | ppb | 29.6757 | 0.1 | 40740.9 |
| Mn 257.610 | 573.619b | ppb | 0.9962 | 0.2 | 118699 |
| Mo 202.032 | 540.345b | ppb | 1.4649 | 0.3 | 3389.00 |
| Na 330.237 | 48223.7b | ppb | 155.761 | 0.3 | 1938.61 |
| Ni 231.604 | 547.003b | ppb | 1.1005 | 0.2 | 1253.54 |
| Pb 220.353 | 512.223b | ppb | 2.1290 | 0.4 | 694.364 |
| Sb 206.834 | 507.852b | ppb | 2.1814 | 0.4 | 454.110 |
| Se 196.026 | 2140.44b | ppb | 10.0150 | 0.5 | 935.360 |
| Sn 189.925 | 1069.69b | ppb | 8.3662 | 0.8 | 671.923 |
| Sr 216.596 | 1443.41b | ppb | 0.5094 | 0.0 | 12292.9 |
| Ti 334.941 | 1047.38b | ppb | 2.1412 | 0.2 | 228089 |
| Tl 190.794 | 2091.33b | ppb | 1.6792 | 0.1 | 1713.09 |
| V 292.401 | 533.797b | ppb | 0.3265 | 0.1 | 12209.3 |
| Zn 206.200 | 540.351b | ppb | 5.1232 | 0.9 | 507.692 |

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

640-43209-a-13-b ms (Samp) 4/25/2013, 2:48:43 AM Rack 2, Tube 60**Weight: 1****Volume: 1****Dilution: 1**

| Label | Replicates Concentration | | |
|------------|--------------------------|----------|----------|
| Ag 328.068 | 24.7431 | 24.9251 | 24.2526 |
| Al 308.215 | 5750.77 | 5785.84 | 5731.86 |
| As 188.980 | 130.750 | 135.442 | 122.256 |
| B 249.678 | 406.153 | 405.381 | 406.608 |
| Ba 389.178 | 139.440 | 139.159 | 137.727 |
| Be 313.042 | 56.5152 | 56.6988 | 56.5669 |
| Ca 370.602 | 161423 | 161990 | 161341 |
| Cd 226.502 | 55.4839 | 55.6158 | 55.5759 |
| Co 228.615 | 56.4947 | 56.2652 | 58.1592 |
| Cr 267.716 | 111.103 | 111.641 | 111.595 |
| Cu 324.754 | 112.538 | 114.148 | 112.404 |
| Fe 271.441 | 7095.97 | 7132.10 | 7093.55 |
| K 766.491 | 75251.6x | 75542.1x | 75530.1x |
| Mg 279.078 | 22781.8 | 22814.2 | 22782.5 |
| Mn 257.610 | 583.139 | 585.419 | 584.421 |
| Mo 202.032 | 112.973 | 113.376 | 111.087 |
| Na 330.237 | 49386.6 | 49230.9 | 49333.9 |
| Ni 231.604 | 120.044 | 121.851 | 119.418 |
| Pb 220.353 | 55.6305 | 51.4421 | 54.8634 |
| Sb 206.834 | 51.7038 | 50.8442 | 53.9038 |
| Se 196.026 | 115.027 | 118.356 | 104.551 |
| Sn 189.925 | 208.807 | 210.255 | 205.847 |
| Sr 216.596 | 1027.14 | 1033.28 | 1027.47 |
| Ti 334.941 | 104.863 | 105.462 | 104.846 |
| Tl 190.794 | 36.5112 | 34.8891 | 35.6553 |
| V 292.401 | 123.401 | 123.582 | 123.563 |
| Zn 206.200 | 116.009 | 118.113 | 122.620 |

| Label | Sol'n Conc. | Units | SD | %RSD | Int. (c/s) |
|------------|-------------|-------|---------|------|------------|
| Ag 328.068 | 24.6403b | ppb | 0.3479 | 1.4 | 1544.39 |
| Al 308.215 | 5756.16b | ppb | 27.3907 | 0.5 | 11121.5 |
| As 188.980 | 129.482b | ppb | 6.6838 | 5.2 | 43.3668 |
| B 249.678 | 406.048b | ppb | 0.6203 | 0.2 | 4824.21 |
| Ba 389.178 | 138.775b | ppb | 0.9186 | 0.7 | 2554.44 |
| Be 313.042 | 56.5936b | ppb | 0.0947 | 0.2 | 87060.7 |
| Ca 370.602 | 161584b | ppb | 353.4 | 0.2 | 381777 |
| Cd 226.502 | 55.5585b | ppb | 0.0677 | 0.1 | 1746.85 |
| Co 228.615 | 56.9730b | ppb | 1.0337 | 1.8 | 483.849 |
| Cr 267.716 | 111.446b | ppb | 0.2980 | 0.3 | 3045.39 |
| Cu 324.754 | 113.030b | ppb | 0.9709 | 0.9 | 5415.87 |
| Fe 271.441 | 7107.21b | ppb | 21.5946 | 0.3 | 10351.3 |
| K 766.491 | 75441.2xb | ppb | 164.368 | 0.2 | 2051743 |
| Mg 279.078 | 22792.9b | ppb | 18.5101 | 0.1 | 41336.1 |
| Mn 257.610 | 584.326b | ppb | 1.1431 | 0.2 | 120923 |
| Mo 202.032 | 112.479b | ppb | 1.2217 | 1.1 | 721.551 |
| Na 330.237 | 49317.1b | ppb | 79.1937 | 0.2 | 1988.50 |
| Ni 231.604 | 120.438b | ppb | 1.2632 | 1.0 | 270.269 |
| Pb 220.353 | 53.9787b | ppb | 2.2299 | 4.1 | 102.987 |
| Sb 206.834 | 52.1506b | ppb | 1.5780 | 3.0 | 46.6724 |
| Se 196.026 | 112.645b | ppb | 7.2045 | 6.4 | 58.2903 |
| Sn 189.925 | 208.303b | ppb | 2.2468 | 1.1 | 124.356 |
| Sr 216.596 | 1029.30b | ppb | 3.4510 | 0.3 | 8789.33 |
| Ti 334.941 | 105.057b | ppb | 0.3506 | 0.3 | 22923.8 |
| Tl 190.794 | 35.6852b | ppb | 0.8115 | 2.3 | 18.0650 |
| V 292.401 | 123.515b | ppb | 0.0994 | 0.1 | 2816.99 |
| Zn 206.200 | 118.914b | ppb | 3.3778 | 2.8 | 117.719 |

Cont Calib Verif (CCV) 4/25/2013, 2:54:20 AM Rack 3, Tube 1
Weight: 1 Volume: 1 Dilution: 1

| Label | Replicates Concentration | | |
|------------|--------------------------|---------|---------|
| Ag 328.068 | 502.439 | 499.680 | 492.886 |
| Al 308.215 | 5064.35 | 5012.37 | 5052.21 |
| As 188.980 | 511.563 | 502.602 | 525.904 |
| B 249.678 | 510.067 | 509.853 | 518.232 |
| Ba 389.178 | 5143.07 | 5119.18 | 5183.26 |
| Be 313.042 | 533.693 | 531.186 | 537.569 |
| Ca 370.602 | 5068 | 5018 | 5061 |
| Cd 226.502 | 528.279 | 527.079 | 530.351 |
| Co 228.615 | 529.687 | 526.297 | 533.140 |
| Cr 267.716 | 5291.40 | 5237.13 | 5276.70 |
| Cu 324.754 | 5223.78 | 5143.50 | 5102.28 |
| Fe 271.441 | 5066.90 | 5043.56 | 5094.26 |
| K 766.491 | 10139.3 | 10100.7 | 10218.0 |
| Mg 279.078 | 5158.31 | 5123.20 | 5164.47 |
| Mn 257.610 | 5321.48 | 5276.63 | 5340.13 |
| Mo 202.032 | 503.007 | 500.481 | 503.925 |
| Na 330.237 | 7817.66 | 7555.22 | 7591.82 |
| Ni 231.604 | 2654.27 | 2648.85 | 2674.14 |
| Pb 220.353 | 512.252 | 507.833 | 510.217 |
| Sb 206.834 | 966.761 | 957.060 | 971.994 |
| Se 196.026 | 5113.44 | 5079.23 | 5145.72 |
| Sn 189.925 | 5157.26 | 5128.97 | 5098.34 |
| Sr 216.596 | 2558.80 | 2535.23 | 2556.33 |
| Ti 334.941 | 504.532 | 500.636 | 506.155 |
| Tl 190.794 | 5077.32 | 5074.14 | 5127.30 |
| V 292.401 | 5047.33 | 5024.01 | 5085.48 |
| Zn 206.200 | 2662.18 | 2639.21 | 2673.92 |

| Label | Sol'n Conc. | Units | SD | %RSD | Int. (c/s) | QC Value |
|------------|-------------|-------|---------|------|------------|-----------|
| Ag 328.068 | 498.335 | ppb | 4.9161 | 1.0 | 32524.8 | 99.66703 |
| Al 308.215 | 5042.98 | ppb | 27.1899 | 0.5 | 9727.78 | 100.85952 |
| As 188.980 | 513.356 | ppb | 11.7541 | 2.3 | 202.868 | 102.67129 |
| B 249.678 | 512.717 | ppb | 4.7768 | 0.9 | 5969.43 | 20.50868Q |
| Ba 389.178 | 5148.51 | ppb | 32.3830 | 0.6 | 93883.2 | 102.97012 |
| Be 313.042 | 534.149 | ppb | 3.2159 | 0.6 | 823979 | 106.82980 |
| Ca 370.602 | 5049 | ppb | 27.17 | 0.5 | 11844 | 100.97919 |
| Cd 226.502 | 528.570 | ppb | 1.6554 | 0.3 | 16126.7 | 105.71395 |
| Co 228.615 | 529.708 | ppb | 3.4217 | 0.6 | 4574.11 | 105.94157 |
| Cr 267.716 | 5268.41 | ppb | 28.0669 | 0.5 | 145148 | 105.36821 |
| Cu 324.754 | 5156.52 | ppb | 61.7907 | 1.2 | 240421 | 103.13036 |
| Fe 271.441 | 5068.24 | ppb | 25.3747 | 0.5 | 7493.77 | 101.36478 |
| K 766.491 | 10152.7 | ppb | 59.8226 | 0.6 | 276284 | 101.52678 |
| Mg 279.078 | 5148.66 | ppb | 22.2611 | 0.4 | 9291.20 | 102.97322 |
| Mn 257.610 | 5312.75 | ppb | 32.6381 | 0.6 | 1097828 | 106.25495 |
| Mo 202.032 | 502.471 | ppb | 1.7834 | 0.4 | 3145.42 | 100.49423 |
| Na 330.237 | 7654.90 | ppb | 142.139 | 1.9 | 339.238 | 102.06532 |
| Ni 231.604 | 2659.09 | ppb | 13.3138 | 0.5 | 6122.50 | 106.36348 |
| Pb 220.353 | 510.101 | ppb | 2.2115 | 0.4 | 692.647 | 102.02012 |
| Sb 206.834 | 965.272 | ppb | 7.5775 | 0.8 | 916.682 | 96.52718 |
| Se 196.026 | 5112.80 | ppb | 33.2471 | 0.7 | 2222.05 | 102.25592 |
| Sn 189.925 | 5128.19 | ppb | 29.4701 | 0.6 | 3251.79 | 102.56381 |
| Sr 216.596 | 2550.12 | ppb | 12.9530 | 0.5 | 21669.5 | 102.00488 |
| Ti 334.941 | 503.774 | ppb | 2.8364 | 0.6 | 109675 | 100.75485 |
| Tl 190.794 | 5092.92 | ppb | 29.8148 | 0.6 | 4183.54 | 101.85840 |
| V 292.401 | 5052.27 | ppb | 31.0299 | 0.6 | 116085 | 101.04541 |
| Zn 206.200 | 2658.44 | ppb | 17.6553 | 0.7 | 2479.50 | 106.33755 |

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

Cont Calib Blank (CCB) 4/25/2013, 2:59:56 AM Rack 3, Tube 2

Weight: 1 Volume: 1 Dilution: 1

| Label | Replicates Concentration | | |
|------------|--------------------------|-----------|-----------|
| Ag 328.068 | -0.2276u | -0.0520u | -0.1263u |
| Al 308.215 | 5.7738 | -3.6878u | 5.2480 |
| As 188.980 | -1.2840u | 1.4058 | 1.8450 |
| B 249.678 | -15.7557u | -16.9491u | -17.8788u |
| Ba 389.178 | 1.0097 | 0.8665 | 0.4419 |
| Be 313.042 | -0.0023u | -0.0025u | 0.0011 |
| Ca 370.602 | 1.449 | -0.1728u | 2.447 |
| Cd 226.502 | 0.1147 | -0.2386u | -0.0168u |
| Co 228.615 | 0.3120 | -0.3622u | -0.2380u |
| Cr 267.716 | 0.3777 | 0.1739 | -0.2403u |
| Cu 324.754 | 0.1790 | -0.7657u | -0.0851u |
| Fe 271.441 | 1.7005 | 0.1667 | 1.1966 |
| K 766.491 | 0.4170 | 0.3662 | 0.0424 |
| Mg 279.078 | -2.3030u | 1.0548 | -2.3330u |
| Mn 257.610 | -0.0618u | -0.0539u | -0.0391u |
| Mo 202.032 | -0.4596u | -0.7379u | -0.7686u |
| Na 330.237 | -126.324u | 107.455 | 97.6968 |
| Ni 231.604 | -0.5724u | 0.3235 | -0.1689u |
| Pb 220.353 | -1.5209u | 3.5677 | -1.9955u |
| Sb 206.834 | 4.0160 | -2.1296u | -3.0454u |
| Se 196.026 | -1.7521u | 2.7621 | 3.1088 |
| Sn 189.925 | 0.9852 | 0.9580 | 0.1836 |
| Sr 216.596 | 0.7610 | -0.5128u | -0.0689u |
| Ti 334.941 | -0.1080u | -0.0204u | -0.0448u |
| Tl 190.794 | -4.8393u | -5.1855u | -0.5996u |
| V 292.401 | -0.0250u | -0.0716u | -0.0037u |
| Zn 206.200 | -1.9727u | -0.2033u | -0.3879u |

| Label | Sol'n Conc. | Units | SD | %RSD | Int. (c/s) | QC Value |
|------------|-------------|-------|---------|---------|------------|-----------|
| Ag 328.068 | -0.1353 | ppb | 0.0882 | 65.2 | -37.8532 | -0.13528 |
| Al 308.215 | 2.4447 | ppb | 5.3173 | 217.5 | -28.0292 | 2.44468 |
| As 188.980 | 0.6556 | ppb | 1.6941 | 258.4 | -10.2155 | 0.65561 |
| B 249.678 | -16.8612 | ppb | 1.0643 | 6.3 | 299.128 | -16.86119 |
| Ba 389.178 | 0.7727 | ppb | 0.2953 | 38.2 | -17.6847 | 0.77269 |
| Be 313.042 | -0.0012 | ppb | 0.0020 | 161.8 | -319.487 | -0.00123 |
| Ca 370.602 | 1.241 | ppb | 1.322 | 106.5 | 0.1481 | 1.24098 |
| Cd 226.502 | -0.0469 | ppb | 0.1786 | 380.6 | 33.4189 | -0.04692 |
| Co 228.615 | -0.0961 | ppb | 0.3588 | 373.5 | -8.2090 | -0.09606 |
| Cr 267.716 | 0.1038 | ppb | 0.3150 | 303.5 | -25.1374 | 0.10376 |
| Cu 324.754 | -0.2239 | ppb | 0.4874 | 217.7 | 134.194 | -0.22391 |
| Fe 271.441 | 1.0213 | ppb | 0.7818 | 76.6 | 29.5742 | 1.02129 |
| K 766.491 | 0.2752 | ppb | 0.2032 | 73.9 | 199.851 | 0.27519 |
| Mg 279.078 | -1.1937 | ppb | 1.9473 | 163.1 | 30.9527 | -1.19372 |
| Mn 257.610 | -0.0516 | ppb | 0.0115 | 22.4 | 39.3412 | -0.05160 |
| Mo 202.032 | -0.6554 | ppb | 0.1702 | 26.0 | 16.6188 | -0.65537 |
| Na 330.237 | 26.2760 | ppb | 132.245 | 503.3 | 59.4602 | 26.27602 |
| Ni 231.604 | -0.1393 | ppb | 0.4487 | 322.2 | -7.8241 | -0.13926 |
| Pb 220.353 | 0.0171 | ppb | 3.0840 | 18041.4 | 33.3926 | 0.01709 |
| Sb 206.834 | -0.3863 | ppb | 3.8399 | 994.0 | -0.9711 | -0.38631 |
| Se 196.026 | 1.3729 | ppb | 2.7119 | 197.5 | 9.9982 | 1.37292 |
| Sn 189.925 | 0.7089 | ppb | 0.4552 | 64.2 | -7.6732 | 0.70892 |
| Sr 216.596 | 0.0598 | ppb | 0.6466 | 1081.8 | 22.3019 | 0.05977 |
| Ti 334.941 | -0.0577 | ppb | 0.0452 | 78.3 | -40.2833 | -0.05773 |
| Tl 190.794 | -3.5415 | ppb | 2.5536 | 72.1 | -13.2992 | -3.54148 |
| V 292.401 | -0.0334 | ppb | 0.0347 | 103.8 | -7.4993 | -0.03344 |
| Zn 206.200 | -0.8546 | ppb | 0.9727 | 113.8 | -1.9015 | -0.85463 |

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

640-43209-a-13-c msd (Samp) 4/25/2013, 3:05:32 AM Rack 3, Tube 3

Weight: 1

Volume: 1

Dilution: 1

| Label | Replicates Concentration | | |
|------------|--------------------------|----------|----------|
| Ag 328.068 | 23.7483 | 23.7827 | 23.7529 |
| Al 308.215 | 5740.18 | 5725.14 | 5719.03 |
| As 188.980 | 124.318 | 128.770 | 124.455 |
| B 249.678 | 391.456 | 393.222 | 396.589 |
| Ba 389.178 | 139.307 | 140.599 | 141.009 |
| Be 313.042 | 56.4394 | 56.5744 | 56.5936 |
| Ca 370.602 | 165310 | 165043 | 164900 |
| Cd 226.502 | 55.6518 | 55.5967 | 55.9585 |
| Co 228.615 | 57.2596 | 57.0444 | 56.5976 |
| Cr 267.716 | 111.645 | 111.607 | 110.737 |
| Cu 324.754 | 113.711 | 113.197 | 113.766 |
| Fe 271.441 | 7145.15 | 7150.91 | 7159.50 |
| K 766.491 | 77173.2x | 77369.2x | 77565.5x |
| Mg 279.078 | 23177.2 | 23189.4 | 23200.1 |
| Mn 257.610 | 583.623 | 584.652 | 584.976 |
| Mo 202.032 | 112.309 | 112.604 | 113.057 |
| Na 330.237 | 50372.8 | 50172.8 | 50378.1 |
| Ni 231.604 | 118.991 | 121.680 | 119.635 |
| Pb 220.353 | 57.9158 | 51.1794 | 53.2222 |
| Sb 206.834 | 51.5254 | 48.7050 | 55.7994 |
| Se 196.026 | 118.512 | 106.663 | 116.430 |
| Sn 189.925 | 216.727 | 207.399 | 202.531 |
| Sr 216.596 | 1051.03 | 1048.04 | 1049.34 |
| Ti 334.941 | 104.792 | 104.837 | 104.900 |
| Tl 190.794 | 40.2757 | 34.5574 | 38.5311 |
| V 292.401 | 123.717 | 124.171 | 123.950 |
| Zn 206.200 | 117.757 | 117.935 | 119.614 |

| Label | Sol'n Conc. | Units | SD | %RSD | Int. (c/s) |
|------------|-------------|-------|---------|------|------------|
| Ag 328.068 | 23.7613b | ppb | 0.0187 | 0.1 | 1486.06 |
| Al 308.215 | 5728.12b | ppb | 10.8844 | 0.2 | 11067.2 |
| As 188.980 | 125.848b | ppb | 2.5319 | 2.0 | 41.8560 |
| B 249.678 | 393.756b | ppb | 2.6080 | 0.7 | 4692.42 |
| Ba 389.178 | 140.305b | ppb | 0.8880 | 0.6 | 2583.20 |
| Be 313.042 | 56.5358b | ppb | 0.0840 | 0.1 | 86972.3 |
| Ca 370.602 | 165084b | ppb | 208.2 | 0.1 | 390052 |
| Cd 226.502 | 55.7356b | ppb | 0.1949 | 0.3 | 1752.37 |
| Co 228.615 | 56.9672b | ppb | 0.3377 | 0.6 | 483.792 |
| Cr 267.716 | 111.330b | ppb | 0.5140 | 0.5 | 3042.20 |
| Cu 324.754 | 113.558b | ppb | 0.3137 | 0.3 | 5440.49 |
| Fe 271.441 | 7151.85b | ppb | 7.2211 | 0.1 | 10416.1 |
| K 766.491 | 77369.3xb | ppb | 196.164 | 0.3 | 2104173 |
| Mg 279.078 | 23188.9b | ppb | 11.4297 | 0.0 | 42053.9 |
| Mn 257.610 | 584.417b | ppb | 0.7064 | 0.1 | 120944 |
| Mo 202.032 | 112.657b | ppb | 0.3766 | 0.3 | 722.659 |
| Na 330.237 | 50307.9b | ppb | 117.040 | 0.2 | 2027.32 |
| Ni 231.604 | 120.102b | ppb | 1.4038 | 1.2 | 269.497 |
| Pb 220.353 | 54.1058b | ppb | 3.4540 | 6.4 | 103.151 |
| Sb 206.834 | 52.0099b | ppb | 3.5719 | 6.9 | 46.5461 |
| Se 196.026 | 113.869b | ppb | 6.3263 | 5.6 | 58.8198 |
| Sn 189.925 | 208.886b | ppb | 7.2138 | 3.5 | 124.728 |
| Sr 216.596 | 1049.47b | ppb | 1.5010 | 0.1 | 8961.29 |
| Ti 334.941 | 104.843b | ppb | 0.0543 | 0.1 | 22878.7 |
| Tl 190.794 | 37.7881b | ppb | 2.9307 | 7.8 | 19.7966 |
| V 292.401 | 123.946b | ppb | 0.2271 | 0.2 | 2826.86 |
| Zn 206.200 | 118.436b | ppb | 1.0244 | 0.8 | 213.271 |

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

640-43209-a-14-a (Samp) **4/25/2013, 3:11:09 AM** **Rack 3, Tube 4**
Weight: 1 **Volume: 1** **Dilution: 1**

| Label | Replicates Concentration | | |
|------------|--------------------------|----------|----------|
| Ag 328.068 | -0.3585u | -0.3949u | -0.5069u |
| Al 308.215 | 262.450 | 259.056 | 240.248 |
| As 188.980 | 7.4504 | 14.1457 | 1.3290 |
| B 249.678 | 260.125 | 266.871 | 254.612 |
| Ba 389.178 | 47.7624 | 47.7575 | 46.2285 |
| Be 313.042 | -0.0397u | -0.0541u | -0.0383u |
| Ca 370.602 | 196284 | 200701 | 191734 |
| Cd 226.502 | -0.0057 | -0.1238 | -0.1540 |
| Co 228.615 | 0.2871 | 0.8158 | 1.5689 |
| Cr 267.716 | 2.0292 | 1.6034 | 2.4848 |
| Cu 324.754 | 6.6929 | 7.1547 | 6.6931 |
| Fe 271.441 | 4473.00 | 4564.36 | 4351.21 |
| K 766.491 | 124150x | 126492x | 120687x |
| Mg 279.078 | 42668.8 | 43442.2 | 41499.5 |
| Mn 257.610 | 100.721 | 102.601 | 98.4358 |
| Mo 202.032 | 9.3579 | 9.0432 | 9.4258 |
| Na 330.237 | 70502.9 | 71867.7 | 68577.6 |
| Ni 231.604 | 19.9047 | 20.3889 | 18.4517 |
| Pb 220.353 | 15.9739 | 11.4649 | 9.5238 |
| Sb 206.834 | 1.3637 | 1.8519 | 0.1354 |
| Se 196.026 | -0.8848u | 6.5721 | -1.1543u |
| Sn 189.925 | -2.7048u | 1.8720 | 1.9249 |
| Sr 216.596 | 1256.89 | 1273.85 | 1219.47 |
| Ti 334.941 | 5.2618 | 5.5636 | 5.2624 |
| Tl 190.794 | -3.6629u | -5.5463u | -5.8690u |
| V 292.401 | 25.3640 | 26.1596 | 24.7115 |
| Zn 206.200 | 26.4984 | 23.1681 | 24.0994 |

| Label | Sol'n Conc. | Units | SD | %RSD | Int. (c/s) |
|------------|-------------|-------|---------|-------|------------|
| Ag 328.068 | -0.4201b | ppb | 0.0773 | 18.4 | -106.897 |
| Al 308.215 | 253.918b | ppb | 11.9599 | 4.7 | 459.373 |
| As 188.980 | 7.6417b | ppb | 6.4105 | 83.9 | -7.2837 |
| B 249.678 | 260.536b | ppb | 6.1399 | 2.4 | 3267.60 |
| Ba 389.178 | 47.2495b | ppb | 0.8842 | 1.9 | 922.530 |
| Be 313.042 | -0.0440b | ppb | 0.0087 | 19.7 | -343.591 |
| Ca 370.602 | 196240b | ppb | 4483 | 2.3 | 463879 |
| Cd 226.502 | -0.0945b | ppb | 0.0784 | 82.9 | 46.0813 |
| Co 228.615 | 0.8906b | ppb | 0.6441 | 72.3 | 0.1366 |
| Cr 267.716 | 2.0391b | ppb | 0.4408 | 21.6 | 29.5929 |
| Cu 324.754 | 6.8469b | ppb | 0.2666 | 3.9 | 464.967 |
| Fe 271.441 | 4462.86b | ppb | 106.937 | 2.4 | 6505.17 |
| K 766.491 | 123776xb | ppb | 2920.53 | 2.4 | 3366162 |
| Mg 279.078 | 42536.8b | ppb | 978.029 | 2.3 | 77128.9 |
| Mn 257.610 | 100.586b | ppb | 2.0861 | 2.1 | 21068.0 |
| Mo 202.032 | 9.2756b | ppb | 0.2041 | 2.2 | 78.3087 |
| Na 330.237 | 70316.1b | ppb | 1652.96 | 2.4 | 2813.29 |
| Ni 231.604 | 19.5818b | ppb | 1.0082 | 5.1 | 37.7197 |
| Pb 220.353 | 12.3209b | ppb | 3.3092 | 26.9 | 49.2965 |
| Sb 206.834 | 1.1170b | ppb | 0.8844 | 79.2 | 0.3723 |
| Se 196.026 | 1.5110b | ppb | 4.3851 | 290.2 | 10.1029 |
| Sn 189.925 | 0.3641b | ppb | 2.6578 | 730.0 | -7.8108 |
| Sr 216.596 | 1250.07b | ppb | 27.8235 | 2.2 | 10673.9 |
| Ti 334.941 | 5.3626b | ppb | 0.1741 | 3.2 | 1285.70 |
| Tl 190.794 | -5.0261b | ppb | 1.1915 | 23.7 | -14.8283 |
| V 292.401 | 25.4117b | ppb | 0.7252 | 2.9 | 577.297 |
| Zn 206.200 | 24.5886b | ppb | 1.7182 | 7.0 | 25.6954 |

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

640-43209-a-15-a (Samp) **4/25/2013, 3:16:45 AM** **Rack 3, Tube 5**
Weight: 1 **Volume: 1** **Dilution: 1**

| Label | Replicates Concentration | | |
|------------|--------------------------|----------|----------|
| Ag 328.068 | -0.5393u | -0.5573u | -0.5405u |
| Al 308.215 | 42.8181 | 32.8686 | 36.6988 |
| As 188.980 | 14.6182 | 5.5993 | 7.0323 |
| B 249.678 | 1218.80 | 1229.96 | 1236.55 |
| Ba 389.178 | 56.3451 | 55.1715 | 56.3936 |
| Be 313.042 | -0.0583u | -0.0682u | -0.0751u |
| Ca 370.602 | 264916 | 265557 | 264906 |
| Cd 226.502 | -0.2598u | -0.1376u | 0.1244 |
| Co 228.615 | 2.3539 | 0.6831 | 2.9447 |
| Cr 267.716 | 0.2823 | 0.4140 | 0.4782 |
| Cu 324.754 | 6.5119 | 6.0349 | 6.7147 |
| Fe 271.441 | 85.9036 | 87.6519 | 76.3642 |
| K 766.491 | 159780x | 160890x | 160845x |
| Mg 279.078 | 40526.2 | 40729.1 | 40623.4 |
| Mn 257.610 | 18.5354 | 18.5217 | 18.7095 |
| Mo 202.032 | 10.6501 | 10.5538 | 11.3014 |
| Na 330.237 | 57022.0 | 57531.4 | 57140.8 |
| Ni 231.604 | 25.8401 | 24.1644 | 26.9697 |
| Pb 220.353 | 3.8861 | 2.3170 | 2.8713 |
| Sb 206.834 | 3.0082 | 4.2725 | 2.6892 |
| Se 196.026 | 7.0423 | 0.3201 | -2.1253u |
| Sn 189.925 | -3.4493u | 1.9983 | -1.5008u |
| Sr 216.596 | 2174.40 | 2184.85 | 2178.25 |
| Ti 334.941 | 0.1806 | 0.1811 | 0.3695 |
| Tl 190.794 | -6.4175u | -4.2410u | -7.9510u |
| V 292.401 | 19.9661 | 20.1536 | 19.6507 |
| Zn 206.200 | 1.3441 | 2.3620 | 4.0386 |

| Label | Sol'n Conc. | Units | SD | %RSD | Int. (c/s) |
|------------|-------------|-------|---------|-------|------------|
| Ag 328.068 | -0.5457b | ppb | 0.0101 | 1.8 | -151.695 |
| Al 308.215 | 37.4618b | ppb | 5.0185 | 13.4 | 40.2017 |
| As 188.980 | 9.0833b | ppb | 4.8467 | 53.4 | -6.7135 |
| B 249.678 | 1228.43b | ppb | 8.9727 | 0.7 | 13645.8 |
| Ba 389.178 | 55.9701b | ppb | 0.6920 | 1.2 | 1072.72 |
| Be 313.042 | -0.0672b | ppb | 0.0084 | 12.6 | -359.743 |
| Ca 370.602 | 265126b | ppb | 372.6 | 0.1 | 627074 |
| Cd 226.502 | -0.0910b | ppb | 0.1963 | 215.7 | 32.5231 |
| Co 228.615 | 1.9939b | ppb | 1.1730 | 58.8 | 9.6452 |
| Cr 267.716 | 0.3915b | ppb | 0.0999 | 25.5 | -16.7132 |
| Cu 324.754 | 6.4205b | ppb | 0.3490 | 5.4 | 443.981 |
| Fe 271.441 | 83.3066b | ppb | 6.0755 | 7.3 | 149.442 |
| K 766.491 | 160505xb | ppb | 628.263 | 0.4 | 4364968 |
| Mg 279.078 | 40626.2b | ppb | 101.484 | 0.2 | 73666.5 |
| Mn 257.610 | 18.5889b | ppb | 0.1047 | 0.6 | 4105.57 |
| Mo 202.032 | 10.8351b | ppb | 0.4067 | 3.8 | 88.2305 |
| Na 330.237 | 57231.4b | ppb | 266.534 | 0.5 | 2301.59 |
| Ni 231.604 | 25.6580b | ppb | 1.4115 | 5.5 | 51.6471 |
| Pb 220.353 | 3.0248b | ppb | 0.7957 | 26.3 | 37.2699 |
| Sb 206.834 | 3.3233b | ppb | 0.8374 | 25.2 | 2.2411 |
| Se 196.026 | 1.7457b | ppb | 4.7472 | 271.9 | 10.1641 |
| Sn 189.925 | -0.9839b | ppb | 2.7603 | 280.5 | -8.6485 |
| Sr 216.596 | 2179.16b | ppb | 5.2841 | 0.2 | 18582.4 |
| Ti 334.941 | 0.2437b | ppb | 0.1089 | 44.7 | 164.813 |
| Tl 190.794 | -6.2032b | ppb | 1.8643 | 30.1 | -15.5157 |
| V 292.401 | 19.9235b | ppb | 0.2542 | 1.3 | 450.574 |
| Zn 206.200 | 2.5816b | ppb | 1.3696 | 52.7 | 571147 |

640-43209-a-16-a (Samp) 4/25/2013, 3:22:21 AM Rack 3, Tube 6
Weight: 1 Volume: 1 Dilution: 1

| Label | Replicates Concentration | | |
|------------|--------------------------|----------|----------|
| Ag 328.068 | -0.3807 | -0.3353 | -0.0111 |
| Al 308.215 | 51.7868 | 54.5546 | 49.0300 |
| As 188.980 | 21.4657 | 18.7064 | 17.9740 |
| B 249.678 | 286.745 | 286.074 | 288.239 |
| Ba 389.178 | -2.9504 | -4.4670 | -3.7745 |
| Be 313.042 | -0.0364u | -0.0324u | -0.0336u |
| Ca 370.602 | 127402 | 127359 | 126903 |
| Cd 226.502 | -0.3010u | -0.1929u | -0.1276u |
| Co 228.615 | 13.6573 | 13.6947 | 14.8419 |
| Cr 267.716 | 3.3179 | 3.4516 | 3.2411 |
| Cu 324.754 | 72.1085 | 72.5774 | 72.4864 |
| Fe 271.441 | 790.119 | 806.789 | 788.193 |
| K 766.491 | 48302.2x | 48407.7x | 48336.5x |
| Mg 279.078 | 79808.8 | 79727.4 | 79692.8 |
| Mn 257.610 | 11077.0 | 11098.0 | 11077.5 |
| Mo 202.032 | 26.7681 | 26.7006 | 27.4490 |
| Na 330.237 | 63207.2 | 63289.0 | 63401.0 |
| Ni 231.604 | 18.0332 | 18.5070 | 18.8881 |
| Pb 220.353 | 1.1387 | -2.9268u | 0.8158 |
| Sb 206.834 | -1.4986u | -3.3831u | 2.1942 |
| Se 196.026 | -2.0326 | 3.6929 | -0.3003 |
| Sn 189.925 | 4.1114 | -0.4776u | -1.1985u |
| Sr 216.596 | 451.051 | 449.164 | 446.186 |
| Ti 334.941 | -0.9284 | -0.9315 | -0.9817 |
| Tl 190.794 | 21.2873 | 17.6047 | 17.8552 |
| V 292.401 | 37.8562 | 38.5519 | 37.6631 |
| Zn 206.200 | 251.576 | 251.381 | 247.704 |

| Label | Sol'n Conc. | Units | SD | %RSD | Int. (c/s) |
|------------|-------------|-------|---------|-------|------------|
| Ag 328.068 | -0.2424b | ppb | 0.2016 | 83.2 | -19.4761 |
| Al 308.215 | 51.7905b | ppb | 2.7623 | 5.3 | 68.5509 |
| As 188.980 | 19.3820b | ppb | 1.8413 | 9.5 | -2.4303 |
| B 249.678 | 287.019b | ppb | 1.1083 | 0.4 | 3555.22 |
| Ba 389.178 | -3.7306b | ppb | 0.7593 | 20.4 | 65.2573 |
| Be 313.042 | -0.0341b | ppb | 0.0021 | 6.0 | -350.614 |
| Ca 370.602 | 127221b | ppb | 276.4 | 0.2 | 301086 |
| Cd 226.502 | -0.2072b | ppb | 0.0876 | 42.3 | 31.5861 |
| Co 228.615 | 14.0646b | ppb | 0.6734 | 4.8 | 113.403 |
| Cr 267.716 | 3.3368b | ppb | 0.1065 | 3.2 | 91.9583 |
| Cu 324.754 | 72.3908b | ppb | 0.2487 | 0.3 | 3518.82 |
| Fe 271.441 | 795.034b | ppb | 10.2257 | 1.3 | 1184.00 |
| K 766.491 | 48348.8xb | ppb | 53.8303 | 0.1 | 1314991 |
| Mg 279.078 | 79743.0b | ppb | 59.5583 | 0.1 | 144412 |
| Mn 257.610 | 11084.2b | ppb | 11.9677 | 0.1 | 2290715 |
| Mo 202.032 | 26.9725b | ppb | 0.4140 | 1.5 | 188.795 |
| Na 330.237 | 63299.1b | ppb | 97.3032 | 0.2 | 2537.84 |
| Ni 231.604 | 18.4761b | ppb | 0.4283 | 2.3 | 35.1040 |
| Pb 220.353 | -0.3241b | ppb | 2.2598 | 697.3 | 34.7817 |
| Sb 206.834 | -0.8958b | ppb | 2.8371 | 316.7 | -1.7407 |
| Se 196.026 | 0.4533b | ppb | 2.9362 | 647.7 | 12.0021 |
| Sn 189.925 | 0.8118b | ppb | 2.8802 | 354.8 | -7.5504 |
| Sr 216.596 | 448.801b | ppb | 2.4528 | 0.5 | 3849.68 |
| Ti 334.941 | -0.9472b | ppb | 0.0299 | 3.2 | 42.2806 |
| Tl 190.794 | 18.9157b | ppb | 2.0577 | 10.9 | -8.2056 |
| V 292.401 | 38.0237b | ppb | 0.4675 | 1.2 | 865.447 |
| Zn 206.200 | 250.220b | ppb | 2.1815 | 0.8 | 236.730 |

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

640-43209-a-17-a (Samp) 4/25/2013, 3:27:57 AM Rack 3, Tube 7

Weight: 1 Volume: 1 Dilution: 1

| Label | Replicates Concentration | | |
|------------|--------------------------|-----------|-----------|
| Ag 328.068 | -0.0126u | -0.2163u | 0.1193 |
| Al 308.215 | -3.3360u | -3.6223u | 5.8174 |
| As 188.980 | 1.8835 | -0.5737u | 2.8105 |
| B 249.678 | -19.9448u | -20.5119u | -21.5726u |
| Ba 389.178 | -0.1946u | -1.0238u | -0.3343u |
| Be 313.042 | -0.0066u | 0.0041 | -0.0036u |
| Ca 370.602 | 26.83 | 32.97 | 31.94 |
| Cd 226.502 | -0.2477u | -0.2338u | -0.1054u |
| Co 228.615 | -0.2356u | 0.6990 | -0.7373u |
| Cr 267.716 | 0.0746 | 0.3354 | -0.0105u |
| Cu 324.754 | 0.4352 | -0.4597u | -0.1138u |
| Fe 271.441 | 2.3636 | 3.7474 | 0.8562 |
| K 766.491 | 9.9380 | 9.7941 | 9.3955 |
| Mg 279.078 | 2.9447 | 7.8806 | 0.0488 |
| Mn 257.610 | 0.1559 | 0.1328 | 0.0842 |
| Mo 202.032 | -1.0016u | -1.5115u | -1.3552u |
| Na 330.237 | 284.436 | 47.6042 | -65.0729u |
| Ni 231.604 | -0.5647u | 1.6430 | 0.5306 |
| Pb 220.353 | 7.4880 | 1.5172 | -0.0742u |
| Sb 206.834 | -4.1047u | -2.6133u | 2.0747 |
| Se 196.026 | 0.8864 | -1.2425u | 0.8708 |
| Sn 189.925 | -1.4546u | 0.2127 | 0.8568 |
| Sr 216.596 | 0.8764 | -0.0499u | -0.0446u |
| Ti 334.941 | -0.1246u | -0.0459u | -0.0930u |
| Tl 190.794 | -2.9505u | -2.1135u | -3.8817u |
| V 292.401 | -0.1288u | 0.0054 | -0.3310u |
| Zn 206.200 | 4.1492 | 0.7671 | 2.3406 |

| Label | Sol'n Conc. | Units | SD | %RSD | Int. (c/s) |
|------------|-------------|-------|---------|--------|------------|
| Ag 328.068 | -0.0365 | ppb | 0.1690 | 462.5 | -31.4174 |
| Al 308.215 | -0.3803 | ppb | 5.3693 | 1411.8 | -33.5396 |
| As 188.980 | 1.3734 | ppb | 1.7488 | 127.3 | -9.9169 |
| B 249.678 | -20.6764 | ppb | 0.8263 | 4.0 | 258.233 |
| Ba 389.178 | -0.5176 | ppb | 0.4440 | 85.8 | -41.2029 |
| Be 313.042 | -0.0020 | ppb | 0.0055 | 275.6 | -320.562 |
| Ca 370.602 | 30.58 | ppb | 3.288 | 10.8 | 69.27 |
| Cd 226.502 | -0.1956 | ppb | 0.0784 | 40.1 | 28.9092 |
| Co 228.615 | -0.0913 | ppb | 0.7290 | 798.2 | -8.1472 |
| Cr 267.716 | 0.1332 | ppb | 0.1802 | 135.3 | -24.3228 |
| Cu 324.754 | -0.0461 | ppb | 0.4513 | 978.7 | 142.460 |
| Fe 271.441 | 2.3224 | ppb | 1.4461 | 62.3 | 31.4376 |
| K 766.491 | 9.7092 | ppb | 0.2810 | 2.9 | 456.400 |
| Mg 279.078 | 3.6247 | ppb | 3.9599 | 109.2 | 39.6834 |
| Mn 257.610 | 0.1243 | ppb | 0.0366 | 29.5 | 75.7169 |
| Mo 202.032 | -1.2894 | ppb | 0.2612 | 20.3 | 12.6651 |
| Na 330.237 | 88.9888 | ppb | 178.392 | 200.5 | 61.9003 |
| Ni 231.604 | 0.5363 | ppb | 1.1039 | 205.8 | -6.2667 |
| Pb 220.353 | 2.9770 | ppb | 3.9868 | 133.9 | 37.2194 |
| Sb 206.834 | -1.5478 | ppb | 3.2246 | 208.3 | -2.0097 |
| Se 196.026 | 0.1715 | ppb | 1.2246 | 713.9 | 9.4786 |
| Sn 189.925 | -0.1283 | ppb | 1.1929 | 929.5 | -8.2054 |
| Sr 216.596 | 0.2607 | ppb | 0.5333 | 204.6 | 24.0294 |
| Ti 334.941 | -0.0878 | ppb | 0.0396 | 45.1 | -46.8243 |
| Tl 190.794 | -2.9819 | ppb | 0.8845 | 29.7 | -12.8381 |
| V 292.401 | -0.1515 | ppb | 0.1693 | 111.8 | -10.0806 |
| Zn 206.200 | 2.4190 | ppb | 1.6924 | 70.0 | 49.633 |

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

640-43210-c-4-a (Samp) 4/25/2013, 3:33:34 AM Rack 3, Tube 8

Weight: 1

Volume: 1

Dilution: 1

| Label | Replicates Concentration | | |
|------------|--------------------------|----------|----------|
| Ag 328.068 | -0.6737u | -0.7153u | -0.6548u |
| Al 308.215 | 39.8922 | 46.5608 | 46.0037 |
| As 188.980 | 1.6225 | 4.3904 | -1.3206u |
| B 249.678 | 2691.89 | 2710.63 | 2718.65 |
| Ba 389.178 | 656.000 | 657.882 | 656.731 |
| Be 313.042 | 0.1110u | 0.1068u | 0.1067u |
| Ca 370.602 | 161833 | 161355 | 160732 |
| Cd 226.502 | -0.0917 | 0.1071 | 0.0530 |
| Co 228.615 | -0.1799u | 0.7972 | 1.8939 |
| Cr 267.716 | -0.4392 | -0.8437 | -0.3479 |
| Cu 324.754 | 0.1415 | 1.0814 | 0.9311 |
| Fe 271.441 | 10338.9 | 10307.2 | 10314.6 |
| K 766.491 | 131488x | 131646x | 131487x |
| Mg 279.078 | 265945 | 265684 | 265003 |
| Mn 257.610 | 473.800 | 474.035 | 473.565 |
| Mo 202.032 | -1.7702u | -1.6879u | -1.4690u |
| Na 330.237 | 2930568x | 2922128x | 2956989x |
| Ni 231.604 | 5.0314 | 2.0675 | 2.2417 |
| Pb 220.353 | 5.3186 | 5.1328 | 4.7088 |
| Sb 206.834 | -3.2106u | 3.8109 | 1.7211 |
| Se 196.026 | 26.9732 | 15.1343 | 7.8624 |
| Sn 189.925 | -6.7175u | -4.1237u | -0.8790 |
| Sr 216.596 | 1733.80 | 1728.11 | 1723.27 |
| Ti 334.941 | -2.5093 | -2.5658 | -2.5330 |
| Tl 190.794 | -7.9262u | -9.3106u | -8.0893u |
| V 292.401 | 0.9837 | 0.8773 | 1.1635 |
| Zn 206.200 | 0.0823 | 4.0543 | 0.2123 |

| Label | Sol'n Conc. | Units | SD | %RSD | Int. (c/s) |
|------------|-------------|-------|---------|-------|------------|
| Ag 328.068 | -0.6813b | ppb | 0.0310 | 4.5 | -145.785 |
| Al 308.215 | 44.1522b | ppb | 3.6998 | 8.4 | 52.7277 |
| As 188.980 | 1.5641b | ppb | 2.8560 | 182.6 | -9.7696 |
| B 249.678 | 2707.06b | ppb | 13.7315 | 0.5 | 29482.0 |
| Ba 389.178 | 656.871b | ppb | 0.9491 | 0.1 | 12505.5 |
| Be 313.042 | 0.1082b | ppb | 0.0025 | 2.3 | -378.071 |
| Ca 370.602 | 161307b | ppb | 551.8 | 0.3 | 380905 |
| Cd 226.502 | 0.0228b | ppb | 0.1028 | 450.6 | 58.1838 |
| Co 228.615 | 0.8371b | ppb | 1.0375 | 123.9 | -0.3062 |
| Cr 267.716 | -0.5436b | ppb | 0.2639 | 48.5 | -12.3848 |
| Cu 324.754 | 0.7180b | ppb | 0.5049 | 70.3 | 180.933 |
| Fe 271.441 | 10320.2b | ppb | 16.5736 | 0.2 | 15005.8 |
| K 766.491 | 131540xb | ppb | 91.4069 | 0.1 | 3577305 |
| Mg 279.078 | 265544b | ppb | 486.458 | 0.2 | 481317 |
| Mn 257.610 | 473.800b | ppb | 0.2350 | 0.0 | 99345.5 |
| Mo 202.032 | -1.6423b | ppb | 0.1557 | 9.5 | 10.0168 |
| Na 330.237 | 2936562xb | ppb | 18186.9 | 0.6 | 115155 |
| Ni 231.604 | 3.1135b | ppb | 1.6632 | 53.4 | -0.1366 |
| Pb 220.353 | 5.0534b | ppb | 0.3126 | 6.2 | 39.9822 |
| Sb 206.834 | 0.7738b | ppb | 3.6053 | 465.9 | 0.2995 |
| Se 196.026 | 16.6566b | ppb | 9.6459 | 57.9 | 16.7660 |
| Sn 189.925 | -3.9067b | ppb | 2.9253 | 74.9 | -9.8114 |
| Sr 216.596 | 1728.39b | ppb | 5.2708 | 0.3 | 14742.8 |
| Ti 334.941 | -2.5360b | ppb | 0.0284 | 1.1 | 188.072 |
| Tl 190.794 | -8.4420b | ppb | 0.7566 | 9.0 | -18.3580 |
| V 292.401 | 1.0082b | ppb | 0.1447 | 14.3 | 1.0855 |
| Zn 206.200 | 1.4496b | ppb | 2.2566 | 155.7 | 4.0557 |

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

640-43210-c-5-a (Samp) **4/25/2013, 3:39:10 AM** **Rack 3, Tube 9**
Weight: 1 **Volume: 1** **Dilution: 1**

| Label | Replicates Concentration | | |
|------------|--------------------------|-----------|----------|
| Ag 328.068 | -0.1492u | -0.4497u | -0.5671u |
| Al 308.215 | 18.6768 | 9.9847 | 7.1134 |
| As 188.980 | -1.8885u | 9.0748 | -2.1234u |
| B 249.678 | 2628.54 | 2631.26 | 2644.90 |
| Ba 389.178 | 604.908 | 605.528 | 604.122 |
| Be 313.042 | 0.0986u | 0.0993u | 0.0970u |
| Ca 370.602 | 139910 | 139939 | 139355 |
| Cd 226.502 | 0.0235 | -0.0011 | 0.1638 |
| Co 228.615 | 1.0852 | 0.4732 | 1.0501 |
| Cr 267.716 | -0.6902 | -1.3866u | -1.2202u |
| Cu 324.754 | 2.9759 | 3.0146 | 2.5818 |
| Fe 271.441 | 8700.90 | 8668.31 | 8669.41 |
| K 766.491 | 126664x | 126937x | 126718x |
| Mg 279.078 | 233599 | 233688 | 233163 |
| Mn 257.610 | 167.699 | 167.655 | 167.543 |
| Mo 202.032 | -1.2806u | -0.7111u | -0.8555u |
| Na 330.237 | 2893919x | 2897116x | 2895913x |
| Ni 231.604 | 4.6583 | 4.1621 | 5.1949 |
| Pb 220.353 | 0.3281 | 1.0465 | 5.8451 |
| Sb 206.834 | -0.1539 | -5.5337u | -6.3622u |
| Se 196.026 | 7.1404 | 14.7004 | 13.7303 |
| Sn 189.925 | -2.6419u | -7.5250u | -3.7415u |
| Sr 216.596 | 1676.40 | 1674.82 | 1668.13 |
| Ti 334.941 | -2.9141 | -2.8043 | -2.8740 |
| Tl 190.794 | -11.4701u | -14.1270u | -6.1653u |
| V 292.401 | 1.4261 | 1.0507 | 0.9670 |
| Zn 206.200 | 3.6012 | 1.4783 | 0.1861 |

| Label | Sol'n Conc. | Units | SD | %RSD | Int. (c/s) |
|------------|-------------|-------|---------|-------|------------|
| Ag 328.068 | -0.3887b | ppb | 0.2155 | 55.5 | -124.683 |
| Al 308.215 | 11.9250b | ppb | 6.0209 | 50.5 | -9.6855 |
| As 188.980 | 1.6876b | ppb | 6.3985 | 379.1 | -9.7292 |
| B 249.678 | 2634.90b | ppb | 8.7648 | 0.3 | 28710.4 |
| Ba 389.178 | 604.852b | ppb | 0.7047 | 0.1 | 11488.9 |
| Be 313.042 | 0.0983b | ppb | 0.0012 | 1.2 | -394.566 |
| Ca 370.602 | 139735b | ppb | 329.3 | 0.2 | 329976 |
| Cd 226.502 | 0.0621b | ppb | 0.0889 | 143.2 | 54.0629 |
| Co 228.615 | 0.8695b | ppb | 0.3437 | 39.5 | -0.0142 |
| Cr 267.716 | -1.0990b | ppb | 0.3637 | 33.1 | -29.0870 |
| Cu 324.754 | 2.8574b | ppb | 0.2395 | 8.4 | 280.186 |
| Fe 271.441 | 8679.54b | ppb | 18.5046 | 0.2 | 12624.7 |
| K 766.491 | 126773xb | ppb | 144.668 | 0.1 | 3447667 |
| Mg 279.078 | 233484b | ppb | 280.909 | 0.1 | 423213 |
| Mn 257.610 | 167.632b | ppb | 0.0802 | 0.0 | 35912.8 |
| Mo 202.032 | -0.9491b | ppb | 0.2961 | 31.2 | 14.4105 |
| Na 330.237 | 2895649xb | ppb | 1614.71 | 0.1 | 113552 |
| Ni 231.604 | 4.6718b | ppb | 0.5165 | 11.1 | 3.4254 |
| Pb 220.353 | 2.4066b | ppb | 2.9995 | 124.6 | 36.5100 |
| Sb 206.834 | -4.0166b | ppb | 3.3708 | 83.9 | -4.0724 |
| Se 196.026 | 11.8571b | ppb | 4.1134 | 34.7 | 14.6151 |
| Sn 189.925 | -4.6361b | ppb | 2.5615 | 55.3 | -10.2930 |
| Sr 216.596 | 1673.11b | ppb | 4.3920 | 0.3 | 14270.2 |
| Ti 334.941 | -2.8641b | ppb | 0.0556 | 1.9 | 6.1472 |
| Tl 190.794 | -10.5875b | ppb | 4.0536 | 38.3 | -19.6858 |
| V 292.401 | 1.1479b | ppb | 0.2445 | 21.3 | 4.2246 |
| Zn 206.200 | 1.7552b | ppb | 1.7243 | 98.2 | 4.3430 |

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

640-43210-c-6-a (Samp) 4/25/2013, 3:44:57 AM Rack 3, Tube 10

Weight: 1

Volume: 1

Dilution: 1

| Label | Replicates Concentration | | |
|------------|--------------------------|----------|----------|
| Ag 328.068 | -0.2792u | -0.4949u | -0.4015u |
| Al 308.215 | 5.9193 | 2.8171 | 9.3625 |
| As 188.980 | 10.0572 | 16.7613 | 17.2063 |
| B 249.678 | 166.906 | 165.412 | 161.722 |
| Ba 389.178 | 385.836 | 385.159 | 385.528 |
| Be 313.042 | -0.0238u | -0.0225u | -0.0283u |
| Ca 370.602 | 84321 | 84171 | 84240 |
| Cd 226.502 | -0.5818 | -0.5665 | -0.3229 |
| Co 228.615 | -0.2497u | -0.6493u | -0.3115u |
| Cr 267.716 | 0.4507 | 0.3266 | 0.5938 |
| Cu 324.754 | -0.0421u | 0.2291 | 0.4059 |
| Fe 271.441 | 6316.95 | 6310.68 | 6331.90 |
| K 766.491 | 9824.69 | 9808.12 | 9754.85 |
| Mg 279.078 | 29015.4 | 29019.6 | 29031.9 |
| Mn 257.610 | 627.634 | 627.859 | 627.480 |
| Mo 202.032 | -1.4714u | -1.1567u | -0.8338u |
| Na 330.237 | 104487x | 104518x | 104527x |
| Ni 231.604 | 1.9217 | 1.3251 | 1.4471 |
| Pb 220.353 | 2.0142 | -4.4403u | -0.2080u |
| Sb 206.834 | -0.4019u | -4.6454u | -1.9206u |
| Se 196.026 | 0.9709 | -4.6237u | -3.2761u |
| Sn 189.925 | -1.2303u | -3.2320u | 1.1212 |
| Sr 216.596 | 558.479 | 557.856 | 558.305 |
| Ti 334.941 | 0.1150 | 0.2180 | 0.1466 |
| Tl 190.794 | -1.8488u | -5.0003u | -1.1144u |
| V 292.401 | -0.0525u | 0.1225 | -0.3104u |
| Zn 206.200 | 0.2804 | -0.5459u | 0.7675 |

| Label | Sol'n Conc. | Units | SD | %RSD | Int. (c/s) |
|------------|-------------|-------|---------|-------|------------|
| Ag 328.068 | -0.3918b | ppb | 0.1082 | 27.6 | -75.4709 |
| Al 308.215 | 6.0330b | ppb | 3.2742 | 54.3 | -21.0990 |
| As 188.980 | 14.6749b | ppb | 4.0052 | 27.3 | -4.3458 |
| B 249.678 | 164.680b | ppb | 2.6680 | 1.6 | 2238.06 |
| Ba 389.178 | 385.508b | ppb | 0.3387 | 0.1 | 7065.15 |
| Be 313.042 | -0.0249b | ppb | 0.0030 | 12.1 | -342.458 |
| Ca 370.602 | 84244b | ppb | 75.19 | 0.1 | 198883 |
| Cd 226.502 | -0.4904b | ppb | 0.1452 | 29.6 | 39.5325 |
| Co 228.615 | -0.4035b | ppb | 0.2151 | 53.3 | -10.9963 |
| Cr 267.716 | 0.4570b | ppb | 0.1337 | 29.3 | -11.9927 |
| Cu 324.754 | 0.1976b | ppb | 0.2256 | 114.2 | 155.572 |
| Fe 271.441 | 6319.84b | ppb | 10.9018 | 0.2 | 9199.99 |
| K 766.491 | 9795.89b | ppb | 36.4910 | 0.4 | 266582 |
| Mg 279.078 | 29022.3b | ppb | 8.5926 | 0.0 | 52627.3 |
| Mn 257.610 | 627.658b | ppb | 0.1911 | 0.0 | 129906 |
| Mo 202.032 | -1.1540b | ppb | 0.3188 | 27.6 | 13.2372 |
| Na 330.237 | 104510xb | ppb | 21.0287 | 0.0 | 4153.29 |
| Ni 231.604 | 1.5646b | ppb | 0.3152 | 20.1 | -3.7810 |
| Pb 220.353 | -0.8780b | ppb | 3.2790 | 373.5 | 32.3413 |
| Sb 206.834 | -2.3226b | ppb | 2.1501 | 92.6 | -2.5814 |
| Se 196.026 | -2.3096b | ppb | 2.9199 | 126.4 | 8.5737 |
| Sn 189.925 | -1.1137b | ppb | 2.1789 | 195.7 | -8.7782 |
| Sr 216.596 | 558.213b | ppb | 0.3216 | 0.1 | 4779.81 |
| Ti 334.941 | 0.1599b | ppb | 0.0527 | 33.0 | 103.732 |
| Tl 190.794 | -2.6545b | ppb | 2.0644 | 77.8 | -13.5949 |
| V 292.401 | -0.0801b | ppb | 0.2178 | 271.7 | -8.8670 |
| Zn 206.200 | 0.1673b | ppb | 0.6640 | 396.8 | 2.8565 |

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

640-43210-c-7-a (Samp) 4/25/2013, 3:50:34 AM Rack 3, Tube 11
 Weight: 1 Volume: 1 Dilution: 1

| Label | Replicates Concentration | | |
|------------|--------------------------|----------|----------|
| Ag 328.068 | 0.0229u | 0.0233u | -0.2582u |
| Al 308.215 | 6.9952 | 7.4379 | 4.2250 |
| As 188.980 | 11.8329 | 12.0833 | 18.9709 |
| B 249.678 | 511.769 | 513.842 | 513.374 |
| Ba 389.178 | 650.478 | 650.072 | 648.222 |
| Be 313.042 | -0.0180u | -0.0019u | -0.0096u |
| Ca 370.602 | 92211 | 91974 | 92090 |
| Cd 226.502 | -0.5463 | -0.7975 | -0.4647 |
| Co 228.615 | 3.7714 | 3.2302 | 3.1539 |
| Cr 267.716 | 0.4406 | -0.3110 | -0.0284 |
| Cu 324.754 | 0.2928 | 0.3831 | 0.2306 |
| Fe 271.441 | 23136.3 | 23061.3 | 23066.6 |
| K 766.491 | 20781.8 | 20721.6 | 20615.7 |
| Mg 279.078 | 47613.9 | 47516.3 | 47658.5 |
| Mn 257.610 | 510.573 | 510.669 | 510.642 |
| Mo 202.032 | -1.1868u | -1.0933u | -1.5055u |
| Na 330.237 | 575401x | 574187x | 574097x |
| Ni 231.604 | 2.9220 | 4.7443 | 4.8491 |
| Pb 220.353 | 2.9813 | 1.6104 | 2.7852 |
| Sb 206.834 | -4.4941u | -1.8447u | -5.2790u |
| Se 196.026 | 2.8185 | 14.2806 | 9.2783 |
| Sn 189.925 | -1.6701u | -2.4094u | 1.4212 |
| Sr 216.596 | 667.749 | 667.852 | 670.136 |
| Ti 334.941 | 0.0308 | 0.0458 | 0.1603 |
| Tl 190.794 | -4.4339u | -7.7432u | -2.4772u |
| V 292.401 | 0.4742 | 0.0883u | 0.7488 |
| Zn 206.200 | -2.0356u | 0.6596 | -0.9403u |

| Label | Sol'n Conc. | Units | SD | %RSD | Int. (c/s) |
|------------|-------------|-------|---------|--------|------------|
| Ag 328.068 | -0.0706b | ppb | 0.1624 | 229.9 | -61.7074 |
| Al 308.215 | 6.2194b | ppb | 1.7413 | 28.0 | -20.7412 |
| As 188.980 | 14.2957b | ppb | 4.0508 | 28.3 | -4.3933 |
| B 249.678 | 512.995b | ppb | 1.0876 | 0.2 | 5953.23 |
| Ba 389.178 | 649.591b | ppb | 1.2029 | 0.2 | 11938.0 |
| Be 313.042 | -0.0098b | ppb | 0.0080 | 81.5 | -360.014 |
| Ca 370.602 | 92092b | ppb | 118.7 | 0.1 | 216428 |
| Cd 226.502 | -0.6028b | ppb | 0.1734 | 28.8 | 86.7162 |
| Co 228.615 | 3.3852b | ppb | 0.3367 | 9.9 | 21.2996 |
| Cr 267.716 | 0.0337b | ppb | 0.3796 | 1124.9 | -17.2046 |
| Cu 324.754 | 0.3022b | ppb | 0.0767 | 25.4 | 165.072 |
| Fe 271.441 | 23088.1b | ppb | 41.8478 | 0.2 | 33536.0 |
| K 766.491 | 20706.4b | ppb | 84.0531 | 0.4 | 563282 |
| Mg 279.078 | 47596.2b | ppb | 72.7123 | 0.2 | 86296.2 |
| Mn 257.610 | 510.628b | ppb | 0.0496 | 0.0 | 105861 |
| Mo 202.032 | -1.2619b | ppb | 0.2161 | 17.1 | 11.8406 |
| Na 330.237 | 574562xb | ppb | 728.475 | 0.1 | 22573.3 |
| Ni 231.604 | 4.1718b | ppb | 1.0836 | 26.0 | 2.5347 |
| Pb 220.353 | 2.4590b | ppb | 0.7414 | 30.2 | 36.6340 |
| Sb 206.834 | -3.8726b | ppb | 1.7995 | 46.5 | -3.6416 |
| Se 196.026 | 8.7925b | ppb | 5.7465 | 65.4 | 13.4365 |
| Sn 189.925 | -0.8861b | ppb | 2.0321 | 229.3 | -8.5126 |
| Sr 216.596 | 668.579b | ppb | 1.3497 | 0.2 | 5724.74 |
| Ti 334.941 | 0.0790b | ppb | 0.0709 | 89.7 | 126.370 |
| Tl 190.794 | -4.8848b | ppb | 2.6618 | 54.5 | -16.0014 |
| V 292.401 | 0.4371b | ppb | 0.3318 | 75.9 | 0.3585 |
| Zn 206.200 | -0.7721b | ppb | 1.3555 | 162.5 | -1.9785 |

680-89402-g-1-a (Samp) 4/25/2013, 3:56:11 AM Rack 3, Tube 12
Weight: 1 Volume: 1 Dilution: 1

| Label | Replicates Concentration | | |
|------------|--------------------------|----------|-----------|
| Ag 328.068 | -0.3506u | -0.3816u | -0.2887u |
| Al 308.215 | 4881.11 | 4846.06 | 4856.51 |
| As 188.980 | 10.2699 | 11.9013 | 9.6936 |
| B 249.678 | 189.866 | 190.347 | 191.191 |
| Ba 389.178 | 432.771 | 433.195 | 431.949 |
| Be 313.042 | 7.3696 | 7.3508 | 7.3556 |
| Ca 370.602 | 53773 | 53623 | 53599 |
| Cd 226.502 | -0.6208 | -0.3467 | -0.4348 |
| Co 228.615 | 11.0776 | 11.5934 | 11.8646 |
| Cr 267.716 | 4.1727 | 4.1504 | 4.4463 |
| Cu 324.754 | 1.7439 | 1.7853 | 1.3197 |
| Fe 271.441 | 15827.5 | 15813.9 | 15788.8 |
| K 766.491 | 2768.36 | 2757.84 | 2740.57 |
| Mg 279.078 | 3849.74 | 3850.30 | 3841.71 |
| Mn 257.610 | 447.044 | 447.226 | 447.311 |
| Mo 202.032 | 30.9234 | 30.4484 | 30.8504 |
| Na 330.237 | 259465x | 260594x | 259480x |
| Ni 231.604 | 12.4087 | 12.1990 | 12.0799 |
| Pb 220.353 | 18.7858 | 24.3746 | 19.8604 |
| Sb 206.834 | -1.8514u | -1.2636u | -2.6545u |
| Se 196.026 | 9.3670 | 1.4471 | 6.8901 |
| Sn 189.925 | -4.8517u | 2.7656 | -5.2924u |
| Sr 216.596 | 426.619 | 424.250 | 426.583 |
| Ti 334.941 | 12.6094 | 12.5835 | 12.4693 |
| Tl 190.794 | -5.6220u | -1.6834u | -11.4418u |
| V 292.401 | 6.6961 | 6.4143 | 7.0081 |
| Zn 206.200 | 32.7621 | 31.7480 | 32.6982 |

| Label | Sol'n Conc. | Units | SD | %RSD | Int. (c/s) |
|------------|-------------|-------|---------|-------|------------|
| Ag 328.068 | -0.3403b | ppb | 0.0473 | 13.9 | -68.3552 |
| Al 308.215 | 4861.22b | ppb | 17.9954 | 0.4 | 9385.02 |
| As 188.980 | 10.6216b | ppb | 1.1451 | 10.8 | -5.9742 |
| B 249.678 | 190.468b | ppb | 0.6709 | 0.4 | 2504.28 |
| Ba 389.178 | 432.638b | ppb | 0.6336 | 0.1 | 7883.52 |
| Be 313.042 | 7.3587b | ppb | 0.0098 | 0.1 | 11029.2 |
| Ca 370.602 | 53665b | ppb | 94.66 | 0.2 | 125981 |
| Cd 226.502 | -0.4674b | ppb | 0.1399 | 29.9 | 68.9861 |
| Co 228.615 | 11.5118b | ppb | 0.3998 | 3.5 | 91.0955 |
| Cr 267.716 | 4.2565b | ppb | 0.1648 | 3.9 | 95.0323 |
| Cu 324.754 | 1.6163b | ppb | 0.2577 | 15.9 | 225.066 |
| Fe 271.441 | 15810.1b | ppb | 19.6604 | 0.1 | 22974.6 |
| K 766.491 | 2755.59b | ppb | 14.0303 | 0.5 | 75127.9 |
| Mg 279.078 | 3847.25b | ppb | 4.8041 | 0.1 | 7001.26 |
| Mn 257.610 | 447.194b | ppb | 0.1363 | 0.0 | 92509.0 |
| Mo 202.032 | 30.7407b | ppb | 0.2558 | 0.8 | 211.694 |
| Na 330.237 | 259846xb | ppb | 647.573 | 0.2 | 10239.3 |
| Ni 231.604 | 12.2292b | ppb | 0.1665 | 1.4 | 20.9781 |
| Pb 220.353 | 21.0070b | ppb | 2.9656 | 14.1 | 60.4929 |
| Sb 206.834 | -1.9232b | ppb | 0.6982 | 36.3 | -2.3309 |
| Se 196.026 | 5.9014b | ppb | 4.0515 | 68.7 | 12.1348 |
| Sn 189.925 | -2.4595b | ppb | 4.5305 | 184.2 | -9.6047 |
| Sr 216.596 | 425.817b | ppb | 1.3574 | 0.3 | 3652.92 |
| Ti 334.941 | 12.5541b | ppb | 0.0745 | 0.6 | 2706.10 |
| Tl 190.794 | -6.2491b | ppb | 4.9093 | 78.6 | -16.7452 |
| V 292.401 | 6.7062b | ppb | 0.2970 | 4.4 | 141.018 |
| Zn 206.200 | 32.4028b | ppb | 0.5679 | 1.8 | 32.9994 |

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

Cont Calib Verif (CCV) 4/25/2013, 4:01:47 AM Rack 3, Tube 13
 Weight: 1 Volume: 1 Dilution: 1

| Label | Replicates Concentration | | |
|------------|--------------------------|---------|---------|
| Ag 328.068 | 511.792 | 508.863 | 505.293 |
| Al 308.215 | 5106.98 | 5095.75 | 5125.83 |
| As 188.980 | 525.936 | 513.718 | 532.313 |
| B 249.678 | 514.878 | 521.495 | 520.967 |
| Ba 389.178 | 5198.89 | 5213.93 | 5211.58 |
| Be 313.042 | 543.638 | 543.056 | 545.471 |
| Ca 370.602 | 5090 | 5116 | 5137 |
| Cd 226.502 | 533.763 | 536.934 | 538.027 |
| Co 228.615 | 534.294 | 536.940 | 537.044 |
| Cr 267.716 | 5337.29 | 5332.03 | 5368.79 |
| Cu 324.754 | 5385.34 | 5231.90 | 5196.44 |
| Fe 271.441 | 5121.59 | 5142.70 | 5146.02 |
| K 766.491 | 10312.0 | 10315.6 | 10279.0 |
| Mg 279.078 | 5198.86 | 5209.79 | 5220.94 |
| Mn 257.610 | 5354.98 | 5390.63 | 5393.14 |
| Mo 202.032 | 505.840 | 510.377 | 509.438 |
| Na 330.237 | 7319.67 | 7558.48 | 7564.88 |
| Ni 231.604 | 2689.24 | 2703.36 | 2711.20 |
| Pb 220.353 | 513.306 | 515.902 | 513.754 |
| Sb 206.834 | 986.652 | 989.074 | 989.053 |
| Se 196.026 | 5194.34 | 5206.29 | 5228.66 |
| Sn 189.925 | 5123.94 | 5211.26 | 5216.47 |
| Sr 216.596 | 2570.28 | 2580.68 | 2591.31 |
| Ti 334.941 | 511.259 | 511.679 | 511.656 |
| Tl 190.794 | 5127.87 | 5159.77 | 5178.52 |
| V 292.401 | 5114.51 | 5133.68 | 5131.07 |
| Zn 206.200 | 2671.84 | 2710.33 | 2692.08 |

| Label | Sol'n Conc. | Units | SD | %RSD | Int. (c/s) | QC Value |
|------------|-------------|-------|---------|------|------------|-----------|
| Ag 328.068 | 508.649 | ppb | 3.2544 | 0.6 | 33199.0 | 101.72990 |
| Al 308.215 | 5109.52 | ppb | 15.1986 | 0.3 | 9856.52 | 102.19035 |
| As 188.980 | 523.989 | ppb | 9.4491 | 1.8 | 207.287 | 104.79781 |
| B 249.678 | 519.113 | ppb | 3.6777 | 0.7 | 6037.91 | 20.76453Q |
| Ba 389.178 | 5208.13 | ppb | 8.0941 | 0.2 | 94970.9 | 104.16269 |
| Be 313.042 | 544.055 | ppb | 1.2605 | 0.2 | 839266 | 108.81093 |
| Ca 370.602 | 5114 | ppb | 23.26 | 0.5 | 11998 | 102.28952 |
| Cd 226.502 | 536.241 | ppb | 2.2150 | 0.4 | 16360.2 | 107.24825 |
| Co 228.615 | 536.092 | ppb | 1.5581 | 0.3 | 4629.34 | 107.21849 |
| Cr 267.716 | 5346.04 | ppb | 19.8790 | 0.4 | 147287 | 106.92072 |
| Cu 324.754 | 5271.23 | ppb | 100.402 | 1.9 | 245766 | 105.42450 |
| Fe 271.441 | 5136.77 | ppb | 13.2521 | 0.3 | 7594.74 | 102.73536 |
| K 766.491 | 10302.2 | ppb | 20.1746 | 0.2 | 280351 | 103.02222 |
| Mg 279.078 | 5209.86 | ppb | 11.0414 | 0.2 | 9401.20 | 104.19726 |
| Mn 257.610 | 5379.58 | ppb | 21.3443 | 0.4 | 1111637 | 107.59160 |
| Mo 202.032 | 508.552 | ppb | 2.3951 | 0.5 | 3183.21 | 101.71036 |
| Na 330.237 | 7481.01 | ppb | 139.762 | 1.9 | 332.180 | 99.74677 |
| Ni 231.604 | 2701.27 | ppb | 11.1321 | 0.4 | 6219.73 | 108.05065 |
| Pb 220.353 | 514.321 | ppb | 1.3877 | 0.3 | 698.101 | 102.86415 |
| Sb 206.834 | 988.259 | ppb | 1.3924 | 0.1 | 938.012 | 98.82593 |
| Se 196.026 | 5209.76 | ppb | 17.4192 | 0.3 | 2264.00 | 104.19525 |
| Sn 189.925 | 5183.89 | ppb | 51.9826 | 1.0 | 3287.19 | 103.67783 |
| Sr 216.596 | 2580.76 | ppb | 10.5156 | 0.4 | 21929.3 | 103.23020 |
| Ti 334.941 | 511.531 | ppb | 0.2358 | 0.0 | 111364 | 102.30627 |
| Tl 190.794 | 5155.38 | ppb | 25.6098 | 0.5 | 4234.98 | 103.10770 |
| V 292.401 | 5126.42 | ppb | 10.3973 | 0.2 | 117790 | 102.52847 |
| Zn 206.200 | 2691.41 | ppb | 19.2510 | 0.7 | 2510.23 | 107.65659 |

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

Cont Calib Blank (CCB) 4/25/2013, 4:07:23 AM Rack 3, Tube 14

Weight: 1

Volume: 1

Dilution: 1

| Label | Replicates Concentration | | |
|------------|--------------------------|-----------|-----------|
| Ag 328.068 | 0.0689 | 0.1894 | -0.0812u |
| Al 308.215 | 1.8100 | 3.8700 | 0.4837 |
| As 188.980 | -3.2361u | 1.6824 | 2.4014 |
| B 249.678 | -17.9061u | -18.5266u | -19.7108u |
| Ba 389.178 | 0.9960 | 0.7055 | 0.2166 |
| Be 313.042 | -0.0072u | 0.0011 | -0.0033u |
| Ca 370.602 | 4.020 | 9.014 | 4.122 |
| Cd 226.502 | -0.1689u | 0.0750 | 0.1971 |
| Co 228.615 | -0.1663u | -0.6329u | 0.1197 |
| Cr 267.716 | 0.2944 | 0.3552 | 0.0579 |
| Cu 324.754 | -0.0781u | 0.6692 | -0.0325u |
| Fe 271.441 | 1.8464 | -4.9182u | 9.0227 |
| K 766.491 | -0.3524u | 0.6847 | -0.1491u |
| Mg 279.078 | 2.0640 | -2.4150u | -2.1594u |
| Mn 257.610 | -0.0820u | -0.0739u | -0.0907u |
| Mo 202.032 | -0.1674u | -0.4560u | -1.1129u |
| Na 330.237 | 46.3043 | -269.451u | -123.864u |
| Ni 231.604 | -0.1157u | 0.4996 | 0.6993 |
| Pb 220.353 | -1.7575u | 1.2410 | -2.3449u |
| Sb 206.834 | -2.2500u | -0.4407u | -2.2613u |
| Se 196.026 | -0.9439u | 10.6944 | 1.9610 |
| Sn 189.925 | 2.8366 | 0.1148 | -0.8473u |
| Sr 216.596 | -0.0356u | -0.1689u | -0.1661u |
| Ti 334.941 | -0.0479u | -0.1444u | -0.1043u |
| Tl 190.794 | -6.6816u | -3.0596u | -5.7604u |
| V 292.401 | 0.2134 | 0.0153 | -0.1562u |
| Zn 206.200 | 0.6891 | 0.9211 | -2.5810u |

| Label | Sol'n Conc. | Units | SD | %RSD | Int. (c/s) | QC Value |
|------------|-------------|-------|---------|--------|------------|------------|
| Ag 328.068 | 0.0590 | ppb | 0.1356 | 229.8 | -25.1548 | 0.05900 |
| Al 308.215 | 2.0546 | ppb | 1.7063 | 83.1 | -28.7786 | 2.05459 |
| As 188.980 | 0.2826 | ppb | 3.0684 | 1085.9 | -10.3706 | 0.28255 |
| B 249.678 | -18.7145 | ppb | 0.9169 | 4.9 | 279.261 | -18.71451 |
| Ba 389.178 | 0.6394 | ppb | 0.3939 | 61.6 | -20.1112 | 0.63938 |
| Be 313.042 | -0.0031 | ppb | 0.0041 | 131.9 | -322.451 | -0.00314 |
| Ca 370.602 | 5.719 | ppb | 2.855 | 49.9 | 10.52 | 5.71854 |
| Cd 226.502 | 0.0344 | ppb | 0.1863 | 541.8 | 35.9030 | 0.03439 |
| Co 228.615 | -0.2265 | ppb | 0.3799 | 167.7 | -9.3401 | -0.22647 |
| Cr 267.716 | 0.2358 | ppb | 0.1571 | 66.6 | -21.4976 | 0.23583 |
| Cu 324.754 | 0.1862 | ppb | 0.4189 | 225.0 | 153.310 | 0.18620 |
| Fe 271.441 | 1.9836 | ppb | 6.9715 | 351.4 | 30.9519 | 1.98364 |
| K 766.491 | 0.0611 | ppb | 0.5496 | 900.1 | 194.028 | 0.06106 |
| Mg 279.078 | -0.8368 | ppb | 2.5154 | 300.6 | 31.6000 | -0.83685 |
| Mn 257.610 | -0.0822 | ppb | 0.0084 | 10.2 | 33.0249 | -0.08221 |
| Mo 202.032 | -0.5788 | ppb | 0.4845 | 83.7 | 17.0962 | -0.57876 |
| Na 330.237 | -115.670 | ppb | 158.037 | 136.6 | 53.9020 | -115.67005 |
| Ni 231.604 | 0.3611 | ppb | 0.4248 | 117.7 | -6.6707 | 0.36107 |
| Pb 220.353 | -0.9538 | ppb | 1.9233 | 201.6 | 32.1375 | -0.95382 |
| Sb 206.834 | -1.6506 | ppb | 1.0479 | 63.5 | -2.1158 | -1.65065 |
| Se 196.026 | 3.9038 | ppb | 6.0575 | 155.2 | 11.0929 | 3.90383 |
| Sn 189.925 | 0.7014 | ppb | 1.9107 | 272.4 | -7.6780 | 0.70135 |
| Sr 216.596 | -0.1235 | ppb | 0.0762 | 61.7 | 20.7320 | -0.12351 |
| Ti 334.941 | -0.0989 | ppb | 0.0485 | 49.0 | -49.2472 | -0.09889 |
| Tl 190.794 | -5.1672 | ppb | 1.8825 | 36.4 | -14.6396 | -5.16720 |
| V 292.401 | 0.0242 | ppb | 0.1849 | 764.7 | -6.1932 | 0.02418 |
| Zn 206.200 | -0.3236 | ppb | 1.9584 | 605.2 | 2.3983 | -0.32358 |

680-89402-g-2-a (Samp) 4/25/2013, 4:13:00 AM Rack 3, Tube 15
Weight: 1 Volume: 1 Dilution: 1

| Label | Replicates Concentration | | |
|------------|--------------------------|----------|----------|
| Ag 328.068 | -0.5088u | -0.6316u | -0.0943u |
| Al 308.215 | 12857.4 | 12925.9 | 13032.4 |
| As 188.980 | 14.0929 | 8.7779 | 13.1206 |
| B 249.678 | 132.109 | 134.057 | 134.609 |
| Ba 389.178 | 398.827 | 399.911 | 400.367 |
| Be 313.042 | 7.2810 | 7.2789 | 7.2940 |
| Ca 370.602 | 83529 | 83780 | 83962 |
| Cd 226.502 | -0.4860 | -0.4692 | -0.6059 |
| Co 228.615 | 5.8833 | 4.5438 | 4.6791 |
| Cr 267.716 | 8.1063 | 8.1855 | 8.3755 |
| Cu 324.754 | 1.7137 | 1.7908 | 2.2034 |
| Fe 271.441 | 15279.4 | 15321.5 | 15347.3 |
| K 766.491 | 2608.01 | 2606.31 | 2612.74 |
| Mg 279.078 | 5046.92 | 5051.38 | 5067.94 |
| Mn 257.610 | 255.336 | 256.139 | 256.069 |
| Mo 202.032 | 14.6025 | 14.8266 | 15.3852 |
| Na 330.237 | 216003x | 216163x | 215807x |
| Ni 231.604 | 10.2748 | 9.9407 | 9.6938 |
| Pb 220.353 | 20.8385 | 19.2213 | 21.3441 |
| Sb 206.834 | -2.8742u | 1.5640 | -1.1994u |
| Se 196.026 | 6.2494 | 7.1614 | 1.6324 |
| Sn 189.925 | 1.6687 | -3.9606u | 0.8046 |
| Sr 216.596 | 486.845 | 491.565 | 491.897 |
| Ti 334.941 | 27.0035 | 27.0264 | 27.0659 |
| Tl 190.794 | -5.3676u | -0.2533u | -5.9855u |
| V 292.401 | 7.4859 | 7.3693 | 7.6980 |
| Zn 206.200 | 44.1296 | 41.0763 | 45.6241 |

| Label | Sol'n Conc. | Units | SD | %RSD | Int. (c/s) |
|------------|-------------|-------|---------|-------|------------|
| Ag 328.068 | -0.4116b | ppb | 0.2816 | 68.4 | -76.3716 |
| Al 308.215 | 12938.6b | ppb | 88.2063 | 0.7 | 25030.5 |
| As 188.980 | 11.9971b | ppb | 2.8300 | 23.6 | -5.4027 |
| B 249.678 | 133.592b | ppb | 1.3131 | 1.0 | 1895.24 |
| Ba 389.178 | 399.702b | ppb | 0.7910 | 0.2 | 7284.77 |
| Be 313.042 | 7.2846b | ppb | 0.0082 | 0.1 | 10930.2 |
| Ca 370.602 | 83757b | ppb | 217.3 | 0.3 | 197183 |
| Cd 226.502 | -0.5204b | ppb | 0.0746 | 14.3 | 66.0202 |
| Co 228.615 | 5.0354b | ppb | 0.7374 | 14.6 | 35.8763 |
| Cr 267.716 | 8.2225b | ppb | 0.1384 | 1.7 | 203.427 |
| Cu 324.754 | 1.9026b | ppb | 0.2633 | 13.8 | 237.850 |
| Fe 271.441 | 15316.1b | ppb | 34.2316 | 0.2 | 22256.8 |
| K 766.491 | 2609.02b | ppb | 3.3329 | 0.1 | 71142.2 |
| Mg 279.078 | 5055.41b | ppb | 11.0707 | 0.2 | 9191.63 |
| Mn 257.610 | 255.848b | ppb | 0.4446 | 0.2 | 52978.1 |
| Mo 202.032 | 14.9381b | ppb | 0.4031 | 2.7 | 113.178 |
| Na 330.237 | 215991xb | ppb | 178.195 | 0.1 | 8520.33 |
| Ni 231.604 | 9.9698b | ppb | 0.2916 | 2.9 | 15.7629 |
| Pb 220.353 | 20.4680b | ppb | 1.1089 | 5.4 | 59.6691 |
| Sb 206.834 | -0.8365b | ppb | 2.2412 | 267.9 | -1.1292 |
| Se 196.026 | 5.0144b | ppb | 2.9641 | 59.1 | 11.7072 |
| Sn 189.925 | -0.4958b | ppb | 3.0316 | 611.5 | -8.3576 |
| Sr 216.596 | 490.102b | ppb | 2.8259 | 0.6 | 4202.65 |
| Ti 334.941 | 27.0319b | ppb | 0.0316 | 0.1 | 5865.25 |
| Tl 190.794 | -3.8688b | ppb | 3.1463 | 81.3 | -14.5276 |
| V 292.401 | 7.5177b | ppb | 0.1666 | 2.2 | 162.609 |
| Zn 206.200 | 43.6100b | ppb | 2.3180 | 5.3 | 43.4748 |

680-89402-g-3-a (Samp) 4/25/2013, 4:18:36 AM Rack 3, Tube 16
Weight: 1 Volume: 1 Dilution: 1

| Label | Replicates Concentration | | |
|------------|--------------------------|----------|----------|
| Ag 328.068 | 0.1770 | -0.1713u | -0.2997u |
| Al 308.215 | 51.8711 | 52.3251 | 54.4683 |
| As 188.980 | 1.3443 | 4.9124 | 8.5395 |
| B 249.678 | 15.4607 | 15.2213 | 16.4823 |
| Ba 389.178 | 202.671 | 203.969 | 204.082 |
| Be 313.042 | -0.0249u | -0.0263u | -0.0328u |
| Ca 370.602 | 123359 | 123399 | 124066 |
| Cd 226.502 | -0.2752 | -0.3174 | -0.1819 |
| Co 228.615 | 18.4584 | 18.9544 | 18.4460 |
| Cr 267.716 | 0.8890 | 1.2641 | 1.5212 |
| Cu 324.754 | 0.1583 | 0.3620 | 0.1100 |
| Fe 271.441 | 9888.31 | 9891.75 | 9909.76 |
| K 766.491 | 1280.86 | 1277.11 | 1275.60 |
| Mg 279.078 | 5803.64 | 5795.76 | 5801.63 |
| Mn 257.610 | 5197.93 | 5190.51 | 5201.84 |
| Mo 202.032 | 7.7829 | 8.5271 | 7.7149 |
| Na 330.237 | 93063.1x | 93126.5x | 93112.7x |
| Ni 231.604 | 7.1111 | 3.9843 | 4.9957 |
| Pb 220.353 | 2.3561 | -0.7408u | -2.4533u |
| Sb 206.834 | -4.0186u | -3.5282u | 2.5824 |
| Se 196.026 | 5.9236 | -0.0769 | 1.1703 |
| Sn 189.925 | -0.2641u | -1.2451u | 0.8891 |
| Sr 216.596 | 403.551 | 404.032 | 407.138 |
| Ti 334.941 | 0.5690 | 0.5988 | 0.5875 |
| Tl 190.794 | -0.8354u | 2.2216u | 3.3291u |
| V 292.401 | -0.3899u | -0.7093u | -0.0603u |
| Zn 206.200 | -0.8105u | -1.0545u | -0.4505u |

| Label | Sol'n Conc. | Units | SD | %RSD | Int. (c/s) |
|------------|-------------|-------|---------|-------|------------|
| Ag 328.068 | -0.0980b | ppb | 0.2467 | 251.8 | -32.2345 |
| Al 308.215 | 52.8882b | ppb | 1.3871 | 2.6 | 70.0627 |
| As 188.980 | 4.9321b | ppb | 3.5976 | 72.9 | -8.3742 |
| B 249.678 | 15.7215b | ppb | 0.6697 | 4.3 | 637.753 |
| Ba 389.178 | 203.574b | ppb | 0.7842 | 0.4 | 3703.54 |
| Be 313.042 | -0.0280b | ppb | 0.0042 | 15.1 | -336.004 |
| Ca 370.602 | 123608b | ppb | 397.1 | 0.3 | 291867 |
| Cd 226.502 | -0.2582b | ppb | 0.0693 | 26.9 | 57.5846 |
| Co 228.615 | 18.6196b | ppb | 0.2900 | 1.6 | 152.958 |
| Cr 267.716 | 1.2248b | ppb | 0.3179 | 26.0 | 20.8751 |
| Cu 324.754 | 0.2101b | ppb | 0.1337 | 63.7 | 157.373 |
| Fe 271.441 | 9896.61b | ppb | 11.5194 | 0.1 | 14393.3 |
| K 766.491 | 1277.86b | ppb | 2.7100 | 0.2 | 34942.4 |
| Mg 279.078 | 5800.34b | ppb | 4.0931 | 0.1 | 10476.0 |
| Mn 257.610 | 5196.76b | ppb | 5.7554 | 0.1 | 1073878 |
| Mo 202.032 | 8.0083b | ppb | 0.4506 | 5.6 | 70.2143 |
| Na 330.237 | 93100.8xb | ppb | 33.3415 | 0.0 | 3705.27 |
| Ni 231.604 | 5.3637b | ppb | 1.5956 | 29.7 | 5.0421 |
| Pb 220.353 | -0.2794b | ppb | 2.4377 | 872.6 | 33.8683 |
| Sb 206.834 | -1.6548b | ppb | 3.6777 | 222.2 | -2.0157 |
| Se 196.026 | 2.3390b | ppb | 3.1663 | 135.4 | 11.5907 |
| Sn 189.925 | -0.2067b | ppb | 1.0683 | 516.8 | -8.1917 |
| Sr 216.596 | 404.907b | ppb | 1.9473 | 0.5 | 3479.59 |
| Ti 334.941 | 0.5851b | ppb | 0.0150 | 2.6 | 115.563 |
| Tl 190.794 | 1.5718b | ppb | 2.1570 | 137.2 | -15.7789 |
| V 292.401 | -0.3865b | ppb | 0.3245 | 84.0 | -17.5554 |
| Zn 206.200 | -0.7718b | ppb | 0.3938 | 39.4 | -1.9784 |

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

680-89402-g-4-a (Samp) 4/25/2013, 4:24:12 AM Rack 3, Tube 17
 Weight: 1 Volume: 1 Dilution: 1

| Label | Replicates Concentration | | |
|------------|--------------------------|-----------|-----------|
| Ag 328.068 | -0.1491u | -0.3140u | -0.2457u |
| Al 308.215 | 739.440 | 735.851 | 748.017 |
| As 188.980 | 0.4887 | 2.4141 | 0.3429 |
| B 249.678 | 15.3350 | 16.0073 | 16.4976 |
| Ba 389.178 | 56.8573 | 56.7276 | 56.3268 |
| Be 313.042 | 0.1487 | 0.1448 | 0.1546 |
| Ca 370.602 | 31458 | 31466 | 31665 |
| Cd 226.502 | -0.3319u | -0.3004u | -0.0299 |
| Co 228.615 | 0.0194u | 0.6713 | 0.4858 |
| Cr 267.716 | 1.3214 | 1.1822 | 1.1214 |
| Cu 324.754 | 0.9555 | 0.3565 | 0.3172 |
| Fe 271.441 | 1209.31 | 1201.92 | 1210.85 |
| K 766.491 | 697.659 | 691.222 | 691.772 |
| Mg 279.078 | 996.094 | 992.116 | 992.535 |
| Mn 257.610 | 161.455 | 161.527 | 161.405 |
| Mo 202.032 | 21.8956 | 21.3991 | 21.6615 |
| Na 330.237 | 62705.2 | 62624.1 | 62460.7 |
| Ni 231.604 | 3.3823 | 2.4502 | 2.5205 |
| Pb 220.353 | 5.6100 | -1.8612u | 3.1766 |
| Sb 206.834 | -4.1498u | -2.3544u | -1.1940u |
| Se 196.026 | -0.1332u | -11.9563u | -6.8340u |
| Sn 189.925 | -0.6086u | 0.3600 | -1.2675u |
| Sr 216.596 | 142.733 | 144.233 | 144.780 |
| Ti 334.941 | 10.5319 | 10.5751 | 10.5646 |
| Tl 190.794 | -5.7569u | -9.3940u | -12.3174u |
| V 292.401 | 0.6324 | 0.0597u | 0.3834 |
| Zn 206.200 | 8.5942 | 8.6251 | 6.7979 |

| Label | Sol'n Conc. | Units | SD | %RSD | Int. (c/s) |
|------------|-------------|-------|---------|-------|------------|
| Ag 328.068 | -0.2363 | ppb | 0.0829 | 35.1 | -49.6983 |
| Al 308.215 | 741.103 | ppb | 6.2512 | 0.8 | 1403.78 |
| As 188.980 | 1.0819 | ppb | 1.1560 | 106.8 | -10.0344 |
| B 249.678 | 15.9466 | ppb | 0.5837 | 3.7 | 649.454 |
| Ba 389.178 | 56.6373 | ppb | 0.2766 | 0.5 | 1004.55 |
| Be 313.042 | 0.1494 | ppb | 0.0049 | 3.3 | -86.3272 |
| Ca 370.602 | 31530 | ppb | 117.5 | 0.4 | 74503 |
| Cd 226.502 | -0.2207 | ppb | 0.1660 | 75.2 | 31.6628 |
| Co 228.615 | 0.3922 | ppb | 0.3359 | 85.7 | -4.3750 |
| Cr 267.716 | 1.2083 | ppb | 0.1025 | 8.5 | 6.4747 |
| Cu 324.754 | 0.5431 | ppb | 0.3577 | 65.9 | 170.841 |
| Fe 271.441 | 1207.36 | ppb | 4.7717 | 0.4 | 1780.34 |
| K 766.491 | 693.551 | ppb | 3.5684 | 0.5 | 19052.8 |
| Mg 279.078 | 993.581 | ppb | 2.1858 | 0.2 | 1831.73 |
| Mn 257.610 | 161.462 | ppb | 0.0612 | 0.0 | 33420.2 |
| Mo 202.032 | 21.6521 | ppb | 0.2484 | 1.1 | 155.662 |
| Na 330.237 | 62596.7 | ppb | 124.557 | 0.2 | 2511.53 |
| Ni 231.604 | 2.7843 | ppb | 0.5191 | 18.6 | -1.0622 |
| Pb 220.353 | 2.3085 | ppb | 3.8105 | 165.1 | 36.3441 |
| Sb 206.834 | -2.5661 | ppb | 1.4892 | 58.0 | -3.1803 |
| Se 196.026 | -6.3079 | ppb | 5.9291 | 94.0 | 6.7171 |
| Sn 189.925 | -0.5054 | ppb | 0.8186 | 162.0 | -8.4191 |
| Sr 216.596 | 143.915 | ppb | 1.0595 | 0.7 | 1248.46 |
| Ti 334.941 | 10.5572 | ppb | 0.0225 | 0.2 | 2270.97 |
| Tl 190.794 | -9.1561 | ppb | 3.2867 | 35.9 | -18.1820 |
| V 292.401 | 0.3585 | ppb | 0.2871 | 80.1 | -2.4273 |
| Zn 206.200 | 8.0057 | ppb | 1.0461 | 13.1 | 101.868 |

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

680-89402-g-5-a (Samp) 4/25/2013, 4:29:48 AM Rack 3, Tube 18

Weight: 1

Volume: 1

Dilution: 1

| Label | Replicates Concentration | | |
|------------|--------------------------|-----------|----------|
| Ag 328.068 | -0.6280u | -0.3969u | -0.5977u |
| Al 308.215 | 4005.01 | 4023.95 | 4039.85 |
| As 188.980 | 9.0403 | 21.0522 | 9.8234 |
| B 249.678 | 74.7768 | 76.1870 | 76.1899 |
| Ba 389.178 | 397.606 | 399.362 | 396.673 |
| Be 313.042 | 0.6819 | 0.6814 | 0.6809 |
| Ca 370.602 | 921723x | 918450x | 920255x |
| Cd 226.502 | 0.0730 | 0.3925 | 0.1210 |
| Co 228.615 | 6.3016 | 5.8377 | 6.2962 |
| Cr 267.716 | 5.9809 | 6.2055 | 6.4869 |
| Cu 324.754 | -1.2037u | -0.8631u | -0.6287u |
| Fe 271.441 | 5938.85 | 5927.16 | 5922.81 |
| K 766.491 | 2494.17 | 2488.58 | 2484.39 |
| Mg 279.078 | 8898.16 | 8920.58 | 8902.67 |
| Mn 257.610 | 587.608 | 588.094 | 587.787 |
| Mo 202.032 | 38.6842 | 38.0713 | 38.1753 |
| Na 330.237 | 216716x | 215260x | 215031x |
| Ni 231.604 | 16.3885 | 13.9568 | 17.0034 |
| Pb 220.353 | 6.7859 | 4.7879 | 7.3438 |
| Sb 206.834 | -0.0422u | -2.2363u | 9.2397 |
| Se 196.026 | -2.0832u | 0.1655 | -0.7707u |
| Sn 189.925 | -1.5416u | 1.9072 | 0.4957 |
| Sr 216.596 | 1663.40 | 1675.82 | 1673.76 |
| Ti 334.941 | 44.5611 | 44.5935 | 44.5419 |
| Tl 190.794 | -11.1626u | -11.1611u | -8.9633u |
| V 292.401 | 3.3322 | 2.3723 | 3.1342 |
| Zn 206.200 | 19.7488 | 20.5269 | 22.0145 |

| Label | Sol'n Conc. | Units | SD | %RSD | Int. (c/s) |
|------------|-------------|-------|---------|-------|------------|
| Ag 328.068 | -0.5409b | ppb | 0.1256 | 23.2 | -130.623 |
| Al 308.215 | 4022.94b | ppb | 17.4461 | 0.4 | 7761.56 |
| As 188.980 | 13.3053b | ppb | 6.7204 | 50.5 | -4.9247 |
| B 249.678 | 75.7179b | ppb | 0.8150 | 1.1 | 1285.00 |
| Ba 389.178 | 397.880b | ppb | 1.3653 | 0.3 | 7249.07 |
| Be 313.042 | 0.6814b | ppb | 0.0005 | 0.1 | 974.258 |
| Ca 370.602 | 920143xb | ppb | 1640 | 0.2 | 2175993 |
| Cd 226.502 | 0.1955b | ppb | 0.1723 | 88.1 | 58.5276 |
| Co 228.615 | 6.1451b | ppb | 0.2663 | 4.3 | 45.4476 |
| Cr 267.716 | 6.2244b | ppb | 0.2535 | 4.1 | 147.909 |
| Cu 324.754 | -0.8985b | ppb | 0.2891 | 32.2 | 105.360 |
| Fe 271.441 | 5929.61b | ppb | 8.2971 | 0.1 | 8634.55 |
| K 766.491 | 2489.04b | ppb | 4.9065 | 0.2 | 67879.5 |
| Mg 279.078 | 8907.14b | ppb | 11.8590 | 0.1 | 16168.9 |
| Mn 257.610 | 587.829b | ppb | 0.2458 | 0.0 | 121580 |
| Mo 202.032 | 38.3102b | ppb | 0.3280 | 0.9 | 259.325 |
| Na 330.237 | 215669xb | ppb | 914.001 | 0.4 | 8509.90 |
| Ni 231.604 | 15.7829b | ppb | 1.6111 | 10.2 | 28.9901 |
| Pb 220.353 | 6.3059b | ppb | 1.3438 | 21.3 | 41.5064 |
| Sb 206.834 | 2.3204b | ppb | 6.0919 | 262.5 | 1.1811 |
| Se 196.026 | -0.8961b | ppb | 1.1296 | 126.0 | 9.1744 |
| Sn 189.925 | 0.2871b | ppb | 1.7338 | 604.0 | -7.5884 |
| Sr 216.596 | 1670.99b | ppb | 6.6598 | 0.4 | 14313.6 |
| Ti 334.941 | 44.5655b | ppb | 0.0261 | 0.1 | 9695.10 |
| Tl 190.794 | -10.4290b | ppb | 1.2693 | 12.2 | -19.9492 |
| V 292.401 | 2.9462b | ppb | 0.5068 | 17.2 | 53.8270 |
| Zn 206.200 | 20.7634b | ppb | 1.1512 | 5.5 | 22.1096 |

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

680-89402-g-6-a (Samp)

4/25/2013, 4:35:25 AM

Rack 3, Tube 19

Weight: 1

Volume: 1

Dilution: 1

| Label | Replicates Concentration | | |
|------------|--------------------------|-----------|-----------|
| Ag 328.068 | -0.2011u | 0.0033 | -0.4321u |
| Al 308.215 | 59.1945 | 57.4835 | 62.4577 |
| As 188.980 | 4.4942 | -1.2072u | 7.7840 |
| B 249.678 | -23.0725u | -23.9782u | -23.6189u |
| Ba 389.178 | 23.3421 | 22.2151 | 23.0648 |
| Be 313.042 | 0.1257 | 0.1249 | 0.1255 |
| Ca 370.602 | 26389 | 26327 | 26358 |
| Cd 226.502 | -0.1876u | -0.1937u | -0.1868u |
| Co 228.615 | 7.3722 | 8.4580 | 7.7327 |
| Cr 267.716 | 0.2931 | 0.3530 | 0.2724 |
| Cu 324.754 | 0.2010 | 0.3885 | 0.4287 |
| Fe 271.441 | 1150.51 | 1149.89 | 1152.66 |
| K 766.491 | 356.071 | 354.639 | 352.531 |
| Mg 279.078 | 1200.89 | 1197.31 | 1187.54 |
| Mn 257.610 | 410.632 | 409.501 | 408.661 |
| Mo 202.032 | -0.7684u | -1.1310u | -1.7083u |
| Na 330.237 | 27997.1 | 27676.5 | 27541.9 |
| Ni 231.604 | 4.6842 | 2.0261 | 4.7332 |
| Pb 220.353 | 0.2245 | 2.6715 | -2.5651u |
| Sb 206.834 | -5.8181u | 1.9601 | -4.5211u |
| Se 196.026 | 18.0975 | -2.9851u | 7.4727 |
| Sn 189.925 | -3.0239u | -1.7616u | -0.6772u |
| Sr 216.596 | 36.0315 | 36.4352 | 36.3031 |
| Ti 334.941 | 0.1971 | 0.2569 | 0.2566 |
| Tl 190.794 | -0.0226u | -5.7006u | -2.8978u |
| V 292.401 | -0.3339u | -0.1383u | -0.1363u |
| Zn 206.200 | 5.6388 | 1.0950 | 4.4050 |

| Label | Sol'n Conc. | Units | SD | %RSD | Int. (c/s) |
|------------|-------------|-------|---------|--------|------------|
| Ag 328.068 | -0.2100 | ppb | 0.2178 | 103.7 | -42.7559 |
| Al 308.215 | 59.7119 | ppb | 2.5271 | 4.2 | 82.8789 |
| As 188.980 | 3.6903 | ppb | 4.5492 | 123.3 | -8.9463 |
| B 249.678 | -23.5565 | ppb | 0.4561 | 1.9 | 226.138 |
| Ba 389.178 | 22.8740 | ppb | 0.5872 | 2.6 | 389.098 |
| Be 313.042 | 0.1254 | ppb | 0.0004 | 0.3 | -118.981 |
| Ca 370.602 | 26358 | ppb | 31.32 | 0.1 | 62279 |
| Cd 226.502 | -0.1894 | ppb | 0.0038 | 2.0 | 32.5824 |
| Co 228.615 | 7.8543 | ppb | 0.5530 | 7.0 | 60.4366 |
| Cr 267.716 | 0.3062 | ppb | 0.0419 | 13.7 | -18.1203 |
| Cu 324.754 | 0.3394 | ppb | 0.1215 | 35.8 | 160.753 |
| Fe 271.441 | 1151.02 | ppb | 1.4546 | 0.1 | 1699.51 |
| K 766.491 | 354.414 | ppb | 1.7808 | 0.5 | 9830.30 |
| Mg 279.078 | 1195.25 | ppb | 6.9072 | 0.6 | 2193.99 |
| Mn 257.610 | 409.598 | ppb | 0.9889 | 0.2 | 84691.8 |
| Mo 202.032 | -1.2026 | ppb | 0.4740 | 39.4 | 13.1571 |
| Na 330.237 | 27738.5 | ppb | 233.833 | 0.8 | 1145.36 |
| Ni 231.604 | 3.8145 | ppb | 1.5490 | 40.6 | 1.3113 |
| Pb 220.353 | 0.1103 | ppb | 2.6201 | 2376.0 | 33.5796 |
| Sb 206.834 | -2.7930 | ppb | 4.1671 | 149.2 | -3.1128 |
| Se 196.026 | 7.5284 | ppb | 10.5414 | 140.0 | 12.7552 |
| Sn 189.925 | -1.8209 | ppb | 1.1745 | 64.5 | -9.2658 |
| Sr 216.596 | 36.2566 | ppb | 0.2058 | 0.6 | 332.738 |
| Ti 334.941 | 0.2369 | ppb | 0.0345 | 14.5 | 26.5878 |
| Tl 190.794 | -2.8737 | ppb | 2.8391 | 98.8 | -13.2893 |
| V 292.401 | -0.2028 | ppb | 0.1135 | 56.0 | -11.4901 |
| Zn 206.200 | 3.7129 | ppb | 2.3496 | 63.3 | 25.1731 |

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

680-89402-g-7-a (Samp) 4/25/2013, 4:41:01 AM Rack 3, Tube 20
 Weight: 1 Volume: 1 Dilution: 1

| Label | Replicates Concentration | | |
|------------|--------------------------|----------|----------|
| Ag 328.068 | -0.1522u | -0.3536u | -0.3975u |
| Al 308.215 | 3028.24 | 3059.54 | 3067.17 |
| As 188.980 | 3.0718 | 5.4459 | 6.3099 |
| B 249.678 | 66.1913 | 66.3637 | 66.0743 |
| Ba 389.178 | 201.736 | 200.047 | 200.435 |
| Be 313.042 | 4.5599 | 4.5526 | 4.5608 |
| Ca 370.602 | 36563 | 36736 | 36707 |
| Cd 226.502 | -0.0995 | 0.0935 | -0.0768 |
| Co 228.615 | 5.2549 | 5.7692 | 5.9220 |
| Cr 267.716 | 1.6755 | 1.2383 | 1.8053 |
| Cu 324.754 | 1.7427 | 1.5049 | 1.5286 |
| Fe 271.441 | 7467.35 | 7473.33 | 7478.77 |
| K 766.491 | 1830.32 | 1822.95 | 1823.32 |
| Mg 279.078 | 2275.61 | 2297.62 | 2288.28 |
| Mn 257.610 | 210.818 | 211.014 | 210.696 |
| Mo 202.032 | 6.4706 | 5.9977 | 6.9534 |
| Na 330.237 | 161548x | 161120x | 160751x |
| Ni 231.604 | 5.6752 | 5.6715 | 4.1903 |
| Pb 220.353 | 25.4606 | 20.9898 | 26.4306 |
| Sb 206.834 | -1.0352u | -2.5039u | -7.2366u |
| Se 196.026 | 9.5634 | -2.0082u | -1.1248u |
| Sn 189.925 | 0.0098 | -7.7525u | 3.2557 |
| Sr 216.596 | 288.108 | 290.564 | 289.901 |
| Ti 334.941 | 10.1963 | 10.1944 | 10.2427 |
| Tl 190.794 | -2.7406u | -6.3230u | -4.4271u |
| V 292.401 | 4.2656 | 3.7656 | 4.3007 |
| Zn 206.200 | 21.4440 | 21.3947 | 21.9889 |

| Label | Sol'n Conc. | Units | SD | %RSD | Int. (c/s) |
|------------|-------------|-------|---------|-------|------------|
| Ag 328.068 | -0.3011b | ppb | 0.1308 | 43.4 | -60.2727 |
| Al 308.215 | 3051.65b | ppb | 20.6293 | 0.7 | 5878.72 |
| As 188.980 | 4.9425b | ppb | 1.6767 | 33.9 | -8.3855 |
| B 249.678 | 66.2098b | ppb | 0.1456 | 0.2 | 1181.45 |
| Ba 389.178 | 200.739b | ppb | 0.8842 | 0.4 | 3642.00 |
| Be 313.042 | 4.5578b | ppb | 0.0045 | 0.1 | 6713.02 |
| Ca 370.602 | 36669b | ppb | 92.55 | 0.3 | 86280 |
| Cd 226.502 | -0.0276b | ppb | 0.1055 | 382.5 | 56.7151 |
| Co 228.615 | 5.6487b | ppb | 0.3495 | 6.2 | 41.2370 |
| Cr 267.716 | 1.5730b | ppb | 0.2971 | 18.9 | 18.4243 |
| Cu 324.754 | 1.5921b | ppb | 0.1310 | 8.2 | 221.029 |
| Fe 271.441 | 7473.15b | ppb | 5.7104 | 0.1 | 10874.6 |
| K 766.491 | 1825.53b | ppb | 4.1507 | 0.2 | 49835.8 |
| Mg 279.078 | 2287.17b | ppb | 11.0483 | 0.5 | 4176.06 |
| Mn 257.610 | 210.842b | ppb | 0.1604 | 0.1 | 43644.9 |
| Mo 202.032 | 6.4739b | ppb | 0.4779 | 7.4 | 60.7437 |
| Na 330.237 | 161140xb | ppb | 399.171 | 0.2 | 6372.45 |
| Ni 231.604 | 5.1790b | ppb | 0.8562 | 16.5 | 4.5731 |
| Pb 220.353 | 24.2937b | ppb | 2.9020 | 11.9 | 64.7530 |
| Sb 206.834 | -3.5919b | ppb | 3.2407 | 90.2 | -3.7523 |
| Se 196.026 | 2.1435b | ppb | 6.4410 | 300.5 | 10.4155 |
| Sn 189.925 | -1.4957b | ppb | 5.6564 | 378.2 | -9.0222 |
| Sr 216.596 | 289.525b | ppb | 1.2709 | 0.4 | 2490.11 |
| Ti 334.941 | 10.2111b | ppb | 0.0273 | 0.3 | 2195.25 |
| Tl 190.794 | -4.4969b | ppb | 1.7922 | 39.9 | -14.6567 |
| V 292.401 | 4.1106b | ppb | 0.2993 | 7.3 | 85.9225 |
| Zn 206.200 | 21.6092b | ppb | 0.3298 | 1.5 | 22.9089 |

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

680-89402-g-8-a (Samp) 4/25/2013, 4:46:37 AM Rack 3, Tube 21
 Weight: 1 Volume: 1 Dilution: 1

| Label | Replicates Concentration | | |
|------------|--------------------------|----------|-----------|
| Ag 328.068 | -0.5700u | -0.4725u | -0.2754u |
| Al 308.215 | 2671.28 | 2607.19 | 2627.96 |
| As 188.980 | 12.7515 | 9.0807 | 10.4369 |
| B 249.678 | 140.261 | 136.803 | 136.589 |
| Ba 389.178 | 331.858 | 322.290 | 320.550 |
| Be 313.042 | 10.1856 | 9.9309 | 9.9061 |
| Ca 370.602 | 126460 | 123367 | 123638 |
| Cd 226.502 | -0.4769 | -0.3863 | -0.5056 |
| Co 228.615 | 6.2684 | 6.6142 | 6.3759 |
| Cr 267.716 | 2.0495 | 2.0021 | 2.2750 |
| Cu 324.754 | 0.4918 | 0.7063 | 0.3618 |
| Fe 271.441 | 12201.0 | 11859.7 | 11874.6 |
| K 766.491 | 3850.03 | 3755.60 | 3752.72 |
| Mg 279.078 | 4383.91 | 4265.07 | 4271.59 |
| Mn 257.610 | 330.543 | 321.602 | 321.146 |
| Mo 202.032 | 6.3718 | 6.1256 | 5.6052 |
| Na 330.237 | 284326x | 277302x | 278010x |
| Ni 231.604 | 10.9698 | 8.7265 | 11.1346 |
| Pb 220.353 | 23.2812 | 26.6732 | 19.0762 |
| Sb 206.834 | -5.9676u | -0.2672 | 0.0776 |
| Se 196.026 | 0.8530 | 6.7619 | 3.1077 |
| Sn 189.925 | -3.2885u | -0.4175u | -1.3923u |
| Sr 216.596 | 591.199 | 576.074 | 576.948 |
| Ti 334.941 | 7.6674 | 7.5352 | 7.6021 |
| Tl 190.794 | -7.2085u | -6.2162u | -10.7447u |
| V 292.401 | 4.9002 | 5.1536 | 5.1916 |
| Zn 206.200 | 35.9419 | 32.5461 | 30.3174 |

| Label | Sol'n Conc. | Units | SD | %RSD | Int. (c/s) |
|------------|-------------|-------|---------|-------|------------|
| Ag 328.068 | -0.4393b | ppb | 0.1501 | 34.2 | -81.1558 |
| Al 308.215 | 2635.48b | ppb | 32.6964 | 1.2 | 5072.53 |
| As 188.980 | 10.7564b | ppb | 1.8561 | 17.3 | -5.9388 |
| B 249.678 | 137.885b | ppb | 2.0611 | 1.5 | 1944.81 |
| Ba 389.178 | 324.899b | ppb | 6.0888 | 1.9 | 5915.35 |
| Be 313.042 | 10.0075b | ppb | 0.1547 | 1.5 | 15139.8 |
| Ca 370.602 | 124488b | ppb | 1713 | 1.4 | 293722 |
| Cd 226.502 | -0.4563b | ppb | 0.0623 | 13.6 | 57.2740 |
| Co 228.615 | 6.4195b | ppb | 0.1770 | 2.8 | 47.7485 |
| Cr 267.716 | 2.1088b | ppb | 0.1458 | 6.9 | 35.2035 |
| Cu 324.754 | 0.5200b | ppb | 0.1740 | 33.5 | 172.284 |
| Fe 271.441 | 11978.4b | ppb | 192.923 | 1.6 | 17413.1 |
| K 766.491 | 3786.12b | ppb | 55.3720 | 1.5 | 103152 |
| Mg 279.078 | 4306.86b | ppb | 66.8103 | 1.6 | 7835.91 |
| Mn 257.610 | 324.430b | ppb | 5.2987 | 1.6 | 67136.9 |
| Mo 202.032 | 6.0342b | ppb | 0.3914 | 6.5 | 57.8060 |
| Na 330.237 | 279879xb | ppb | 3866.90 | 1.4 | 11025.4 |
| Ni 231.604 | 10.2770b | ppb | 1.3453 | 13.1 | 16.4073 |
| Pb 220.353 | 23.0102b | ppb | 3.8057 | 16.5 | 63.1205 |
| Sb 206.834 | -2.0524b | ppb | 3.3951 | 165.4 | -2.2156 |
| Se 196.026 | 3.5742b | ppb | 2.9819 | 83.4 | 11.0820 |
| Sn 189.925 | -1.6994b | ppb | 1.4600 | 85.9 | -9.0933 |
| Sr 216.596 | 581.407b | ppb | 8.4917 | 1.5 | 4981.93 |
| Ti 334.941 | 7.6016b | ppb | 0.0661 | 0.9 | 1627.87 |
| Tl 190.794 | -8.0565b | ppb | 2.3804 | 29.5 | -17.9186 |
| V 292.401 | 5.0818b | ppb | 0.1584 | 3.1 | 107.642 |
| Zn 206.200 | 32.9351b | ppb | 2.8324 | 8.6 | 235.5009 |

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680-89402-g-9-a (Samp) 4/25/2013, 4:52:14 AM Rack 3, Tube 22

Weight: 1 Volume: 1 Dilution: 1

| Label | Replicates Concentration | | |
|------------|--------------------------|----------|----------|
| Ag 328.068 | -0.0331u | -0.3123u | -0.2306u |
| Al 308.215 | 579.435 | 575.505 | 571.974 |
| As 188.980 | 3.4164 | -5.5814u | -0.2906u |
| B 249.678 | 16.0266 | 15.9419 | 16.2443 |
| Ba 389.178 | 58.6562 | 58.9085 | 58.6496 |
| Be 313.042 | 0.1544 | 0.1514 | 0.1492 |
| Ca 370.602 | 31976 | 32069 | 32041 |
| Cd 226.502 | 0.1950 | -0.4047u | 0.0023 |
| Co 228.615 | 0.8039 | 0.3004 | -0.4367u |
| Cr 267.716 | 0.6826 | 0.8699 | 0.5862 |
| Cu 324.754 | 0.7731 | 0.0404 | 0.5681 |
| Fe 271.441 | 1133.95 | 1124.87 | 1129.11 |
| K 766.491 | 703.376 | 700.836 | 701.247 |
| Mg 279.078 | 991.538 | 997.161 | 995.935 |
| Mn 257.610 | 165.809 | 166.029 | 165.830 |
| Mo 202.032 | 22.9803 | 22.3777 | 23.2203 |
| Na 330.237 | 65570.3 | 65308.9 | 65455.0 |
| Ni 231.604 | 1.7475 | 2.6089 | 2.4643 |
| Pb 220.353 | 3.1905 | -0.0595u | -1.2169u |
| Sb 206.834 | -3.9094u | -2.1538u | -0.3152u |
| Se 196.026 | 6.7180 | 3.6483 | 8.7610 |
| Sn 189.925 | 1.3324 | -1.6489u | -3.4778u |
| Sr 216.596 | 148.823 | 149.512 | 149.690 |
| Ti 334.941 | 7.8166 | 7.7211 | 7.8787 |
| Tl 190.794 | -1.3938u | -6.0720u | -6.5582u |
| V 292.401 | 0.1406u | 0.1096u | 0.2571 |
| Zn 206.200 | 2.0698 | 2.5383 | 1.7160 |

| Label | Sol'n Conc. | Units | SD | %RSD | Int. (c/s) |
|------------|-------------|-------|---------|-------|------------|
| Ag 328.068 | -0.1920 | ppb | 0.1435 | 74.8 | -46.9610 |
| Al 308.215 | 575.638 | ppb | 3.7322 | 0.6 | 1083.31 |
| As 188.980 | -0.8185 | ppb | 4.5221 | 552.5 | -10.8251 |
| B 249.678 | 16.0710 | ppb | 0.1560 | 1.0 | 650.869 |
| Ba 389.178 | 58.7381 | ppb | 0.1476 | 0.3 | 1042.78 |
| Be 313.042 | 0.1517 | ppb | 0.0026 | 1.7 | -83.0135 |
| Ca 370.602 | 32029 | ppb | 47.86 | 0.1 | 75689 |
| Cd 226.502 | -0.0692 | ppb | 0.3061 | 442.7 | 36.0164 |
| Co 228.615 | 0.2225 | ppb | 0.6239 | 280.4 | -5.9122 |
| Cr 267.716 | 0.7129 | ppb | 0.1442 | 20.2 | -7.1531 |
| Cu 324.754 | 0.4605 | ppb | 0.3780 | 82.1 | 166.996 |
| Fe 271.441 | 1129.31 | ppb | 4.5432 | 0.4 | 1667.10 |
| K 766.491 | 701.819 | ppb | 1.3636 | 0.2 | 19277.7 |
| Mg 279.078 | 994.878 | ppb | 2.9565 | 0.3 | 1834.05 |
| Mn 257.610 | 165.889 | ppb | 0.1216 | 0.1 | 34334.7 |
| Mo 202.032 | 22.8595 | ppb | 0.4341 | 1.9 | 163.195 |
| Na 330.237 | 65444.7 | ppb | 131.004 | 0.2 | 2623.24 |
| Ni 231.604 | 2.2735 | ppb | 0.4613 | 20.3 | -2.2411 |
| Pb 220.353 | 0.6380 | ppb | 2.2850 | 358.1 | 34.1881 |
| Sb 206.834 | -2.1261 | ppb | 1.7973 | 84.5 | -2.7957 |
| Se 196.026 | 6.3758 | ppb | 2.5735 | 40.4 | 12.2038 |
| Sn 189.925 | -1.2648 | ppb | 2.4280 | 192.0 | -8.9010 |
| Sr 216.596 | 149.342 | ppb | 0.4582 | 0.3 | 1294.63 |
| Ti 334.941 | 7.8055 | ppb | 0.0794 | 1.0 | 1671.67 |
| Tl 190.794 | -4.6747 | ppb | 2.8517 | 61.0 | -14.4900 |
| V 292.401 | 0.1691 | ppb | 0.0778 | 46.0 | -6.9748 |
| Zn 206.200 | 2.1080 | ppb | 0.4125 | 17.8 | 4.6709 |

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680-89480-a-1-a (Samp) **4/25/2013, 4:57:50 AM** **Rack 3, Tube 23****Weight: 1****Volume: 1****Dilution: 1**

| Label | Replicates Concentration | | |
|------------|--------------------------|----------|----------|
| Ag 328.068 | -0.2872u | -0.0060u | -0.6134u |
| Al 308.215 | 15.4772 | 13.2463 | 16.5470 |
| As 188.980 | 10.0972 | 4.6347 | 8.6246 |
| B 249.678 | -7.6750u | -7.6827u | -8.6759u |
| Ba 389.178 | 24.5185 | 23.4771 | 23.4007 |
| Be 313.042 | 0.0028 | -0.0021 | 0.0027 |
| Ca 370.602 | 64934 | 64741 | 63822 |
| Cd 226.502 | -0.0087 | -0.0557u | -0.0810u |
| Co 228.615 | -0.7635u | -0.0770u | 0.4885 |
| Cr 267.716 | 0.2381 | 0.2558 | 0.0796 |
| Cu 324.754 | 3.6570 | 3.5566 | 3.2690 |
| Fe 271.441 | 82.9664 | 74.5565 | 75.9206 |
| K 766.491 | 1508.09 | 1498.26 | 1477.26 |
| Mg 279.078 | 15202.3 | 15099.4 | 14902.7 |
| Mn 257.610 | 863.239 | 859.915 | 848.094 |
| Mo 202.032 | -0.0190u | 0.5913 | 0.0735 |
| Na 330.237 | 17101.7 | 17445.2 | 16883.5 |
| Ni 231.604 | 2.3817 | 1.2396 | 0.9601 |
| Pb 220.353 | -1.2218u | 1.2114 | 1.2428 |
| Sb 206.834 | -7.3160u | -3.8828u | -1.5702u |
| Se 196.026 | -4.0917u | 4.6516 | 4.8864 |
| Sn 189.925 | -1.9993u | 3.6399 | -6.2561u |
| Sr 216.596 | 187.446 | 187.388 | 185.416 |
| Ti 334.941 | 0.0332 | -0.0596 | -0.0006 |
| Tl 190.794 | -5.5564u | -4.6406u | -5.0015u |
| V 292.401 | 0.6337 | 0.5768 | 0.3097 |
| Zn 206.200 | 13.0508 | 11.1095 | 9.7131 |

| Label | Sol'n Conc. | Units | SD | %RSD | Int. (c/s) |
|------------|-------------|-------|---------|-------|------------|
| Ag 328.068 | -0.3022 | ppb | 0.3040 | 100.6 | -53.0153 |
| Al 308.215 | 15.0902 | ppb | 1.6841 | 11.2 | -3.4985 |
| As 188.980 | 7.7855 | ppb | 2.8263 | 36.3 | -7.2512 |
| B 249.678 | -8.0112 | ppb | 0.5757 | 7.2 | 393.898 |
| Ba 389.178 | 23.7988 | ppb | 0.6244 | 2.6 | 433.324 |
| Be 313.042 | 0.0011 | ppb | 0.0028 | 245.0 | -299.570 |
| Ca 370.602 | 64499 | ppb | 594.6 | 0.9 | 152564 |
| Cd 226.502 | -0.0485 | ppb | 0.0367 | 75.8 | 33.6975 |
| Co 228.615 | -0.1173 | ppb | 0.6270 | 534.4 | -8.4106 |
| Cr 267.716 | 0.1912 | ppb | 0.0970 | 50.7 | -20.4312 |
| Cu 324.754 | 3.4942 | ppb | 0.2014 | 5.8 | 307.508 |
| Fe 271.441 | 77.8145 | ppb | 4.5135 | 5.8 | 141.139 |
| K 766.491 | 1494.54 | ppb | 15.7460 | 1.1 | 40834.8 |
| Mg 279.078 | 15068.2 | ppb | 152.214 | 1.0 | 27331.8 |
| Mn 257.610 | 857.083 | ppb | 7.9598 | 0.9 | 177223 |
| Mo 202.032 | 0.2153 | ppb | 0.3289 | 152.8 | 22.0434 |
| Na 330.237 | 17143.5 | ppb | 283.147 | 1.7 | 730.283 |
| Ni 231.604 | 1.5271 | ppb | 0.7532 | 49.3 | -3.9812 |
| Pb 220.353 | 0.4108 | ppb | 1.4139 | 344.2 | 34.0442 |
| Sb 206.834 | -4.2563 | ppb | 2.8910 | 67.9 | -4.4763 |
| Se 196.026 | 1.8155 | ppb | 5.1171 | 281.9 | 10.3755 |
| Sn 189.925 | -1.5385 | ppb | 4.9641 | 322.7 | -9.0765 |
| Sr 216.596 | 186.750 | ppb | 1.1557 | 0.6 | 1615.86 |
| Ti 334.941 | -0.0090 | ppb | 0.0470 | 522.2 | 22.2688 |
| Tl 190.794 | -5.0662 | ppb | 0.4613 | 9.1 | -15.5954 |
| V 292.401 | 0.5067 | ppb | 0.1730 | 34.1 | 4.8490 |
| Zn 206.200 | 11.2911 | ppb | 1.6763 | 14.8 | 13.2613 |

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

mb 680-274127/1-a (Samp) 4/25/2013, 5:03:26 AM Rack 3, Tube 24

Weight: 1

Volume: 1

Dilution: 1

| Label | Replicates Concentration | | |
|------------|--------------------------|-----------|-----------|
| Ag 328.068 | -0.2306u | -0.1568u | -0.1388u |
| Al 308.215 | 12.0498 | 3.6007 | 1.2714 |
| As 188.980 | 0.1331 | 7.8230 | 1.8238 |
| B 249.678 | -32.3972u | -33.1542u | -33.1942u |
| Ba 389.178 | 0.1904 | 0.1129 | 0.8232 |
| Be 313.042 | -0.0153u | -0.0084u | -0.0127u |
| Ca 370.602 | 25.59 | 34.11 | 27.81 |
| Cd 226.502 | -0.0401u | -0.0803u | -0.4226u |
| Co 228.615 | 0.1675 | -0.4824u | 0.0433 |
| Cr 267.716 | 0.3129 | 0.2189 | -0.2963u |
| Cu 324.754 | 0.2941 | -0.1388u | -0.1127u |
| Fe 271.441 | 0.8693 | 6.0800 | 2.1894 |
| K 766.491 | 3.3426 | 3.6174 | 4.0147 |
| Mg 279.078 | 7.6005 | 7.5147 | 7.0320 |
| Mn 257.610 | 0.1849 | 0.2139 | 0.1768 |
| Mo 202.032 | -0.4251u | -1.4241u | -0.9471u |
| Na 330.237 | 185.043 | 62.1782 | 66.4365 |
| Ni 231.604 | 0.9833 | 0.7006 | 0.9452 |
| Pb 220.353 | 1.5637 | 1.6318 | 1.3948 |
| Sb 206.834 | 0.8846 | -5.6617u | 0.5433 |
| Se 196.026 | 3.1441 | -6.1438u | 3.9717 |
| Sn 189.925 | 0.6197 | 1.4406 | 0.9033 |
| Sr 216.596 | 0.5377 | 0.3451 | 0.0722 |
| Ti 334.941 | -0.0334u | -0.1666u | -0.1298u |
| Tl 190.794 | -7.0155u | -1.4213u | -5.6708u |
| V 292.401 | 0.0717 | 0.0071 | 0.2134 |
| Zn 206.200 | -0.8869u | -0.6995u | -1.4110u |

| Label | Sol'n Conc. | Units | SD | %RSD | Int. (c/s) |
|------------|-------------|-------|---------|--------|------------|
| Ag 328.068 | -0.1754 | ppb | 0.0487 | 27.7 | -40.4985 |
| Al 308.215 | 5.6407 | ppb | 5.6714 | 100.5 | -21.8572 |
| As 188.980 | 3.2600 | ppb | 4.0411 | 124.0 | -9.1328 |
| B 249.678 | -32.9152 | ppb | 0.4490 | 1.4 | 127.064 |
| Ba 389.178 | 0.3755 | ppb | 0.3897 | 103.8 | -24.9078 |
| Be 313.042 | -0.0121 | ppb | 0.0035 | 28.7 | -336.241 |
| Ca 370.602 | 29.17 | ppb | 4.417 | 15.1 | 65.98 |
| Cd 226.502 | -0.1810 | ppb | 0.2102 | 116.1 | 29.3526 |
| Co 228.615 | -0.0906 | ppb | 0.3450 | 381.0 | -8.1529 |
| Cr 267.716 | 0.0785 | ppb | 0.3280 | 417.6 | -25.8305 |
| Cu 324.754 | 0.0142 | ppb | 0.2428 | 1708.4 | 145.281 |
| Fe 271.441 | 3.0462 | ppb | 2.7089 | 88.9 | 32.5480 |
| K 766.491 | 3.6582 | ppb | 0.3379 | 9.2 | 291.850 |
| Mg 279.078 | 7.3824 | ppb | 0.3065 | 4.2 | 46.4917 |
| Mn 257.610 | 0.1919 | ppb | 0.0195 | 10.2 | 89.7050 |
| Mo 202.032 | -0.9321 | ppb | 0.4997 | 53.6 | 14.8927 |
| Na 330.237 | 104.552 | ppb | 69.7392 | 66.7 | 62.5290 |
| Ni 231.604 | 0.8764 | ppb | 0.1534 | 17.5 | -5.4827 |
| Pb 220.353 | 1.5301 | ppb | 0.1220 | 8.0 | 35.3485 |
| Sb 206.834 | -1.4113 | ppb | 3.6850 | 261.1 | -1.8939 |
| Se 196.026 | 0.3240 | ppb | 5.6165 | 1733.6 | 9.5446 |
| Sn 189.925 | 0.9879 | ppb | 0.4169 | 42.2 | -7.4959 |
| Sr 216.596 | 0.3184 | ppb | 0.2339 | 73.5 | 24.5032 |
| Ti 334.941 | -0.1100 | ppb | 0.0688 | 62.6 | -51.6291 |
| Tl 190.794 | -4.7025 | ppb | 2.9201 | 62.1 | -14.2564 |
| V 292.401 | 0.0974 | ppb | 0.1055 | 108.3 | -4.4131 |
| Zn 206.200 | -0.9992 | ppb | 0.3688 | 36.8 | -17.666 |

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

Cont Calib Verif (CCV) 4/25/2013, 5:09:03 AM Rack 3, Tube 25
 Weight: 1 Volume: 1 Dilution: 1

| Label | Replicates Concentration | | |
|------------|--------------------------|---------|---------|
| Ag 328.068 | 512.522 | 509.805 | 505.991 |
| Al 308.215 | 5126.76 | 5113.13 | 5107.47 |
| As 188.980 | 529.423 | 516.573 | 518.984 |
| B 249.678 | 507.341 | 509.632 | 508.665 |
| Ba 389.178 | 5197.67 | 5184.60 | 5171.68 |
| Be 313.042 | 543.947 | 544.144 | 540.496 |
| Ca 370.602 | 5120 | 5103 | 5099 |
| Cd 226.502 | 540.112 | 537.493 | 535.937 |
| Co 228.615 | 539.537 | 536.376 | 534.074 |
| Cr 267.716 | 5361.42 | 5348.83 | 5342.68 |
| Cu 324.754 | 5439.07 | 5255.27 | 5330.87 |
| Fe 271.441 | 5161.95 | 5127.46 | 5126.90 |
| K 766.491 | 10296.5 | 10256.9 | 10205.9 |
| Mg 279.078 | 5255.15 | 5246.63 | 5219.36 |
| Mn 257.610 | 5407.28 | 5387.98 | 5360.04 |
| Mo 202.032 | 507.762 | 506.943 | 506.647 |
| Na 330.237 | 7655.60 | 7532.57 | 7743.49 |
| Ni 231.604 | 2712.82 | 2705.31 | 2697.27 |
| Pb 220.353 | 521.443 | 510.644 | 511.800 |
| Sb 206.834 | 992.121 | 986.879 | 985.295 |
| Se 196.026 | 5253.66 | 5241.86 | 5214.58 |
| Sn 189.925 | 5200.90 | 5183.95 | 5194.84 |
| Sr 216.596 | 2598.35 | 2585.60 | 2585.32 |
| Ti 334.941 | 510.518 | 508.626 | 507.764 |
| Tl 190.794 | 5182.48 | 5139.88 | 5134.42 |
| V 292.401 | 5129.84 | 5114.99 | 5102.20 |
| Zn 206.200 | 2708.77 | 2709.15 | 2712.02 |

| Label | Sol'n Conc. | Units | SD | %RSD | Int. (c/s) | QC Value |
|------------|-------------|-------|---------|------|------------|-----------|
| Ag 328.068 | 509.439 | ppb | 3.2812 | 0.6 | 33250.8 | 101.88788 |
| Al 308.215 | 5115.79 | ppb | 9.9205 | 0.2 | 9868.65 | 102.31572 |
| As 188.980 | 521.660 | ppb | 6.8302 | 1.3 | 206.320 | 104.33195 |
| B 249.678 | 508.546 | ppb | 1.1500 | 0.2 | 5924.65 | 20.34184Q |
| Ba 389.178 | 5184.65 | ppb | 12.9947 | 0.3 | 94542.7 | 103.69305 |
| Be 313.042 | 542.862 | ppb | 2.0518 | 0.4 | 837426 | 108.57245 |
| Ca 370.602 | 5107 | ppb | 11.24 | 0.2 | 11980 | 102.14517 |
| Cd 226.502 | 537.848 | ppb | 2.1100 | 0.4 | 16409.1 | 107.56954 |
| Co 228.615 | 536.662 | ppb | 2.7431 | 0.5 | 4634.26 | 107.33247 |
| Cr 267.716 | 5350.98 | ppb | 9.5518 | 0.2 | 147423 | 107.01952 |
| Cu 324.754 | 5341.73 | ppb | 92.3791 | 1.7 | 249052 | 106.83467 |
| Fe 271.441 | 5138.77 | ppb | 20.0781 | 0.4 | 7597.84 | 102.77544 |
| K 766.491 | 10253.1 | ppb | 45.3986 | 0.4 | 279016 | 102.53116 |
| Mg 279.078 | 5240.38 | ppb | 18.6956 | 0.4 | 9456.43 | 104.80759 |
| Mn 257.610 | 5385.10 | ppb | 23.7487 | 0.4 | 1112778 | 107.70197 |
| Mo 202.032 | 507.118 | ppb | 0.5774 | 0.1 | 3174.29 | 101.42354 |
| Na 330.237 | 7643.89 | ppb | 105.951 | 1.4 | 338.484 | 101.91847 |
| Ni 231.604 | 2705.13 | ppb | 7.7745 | 0.3 | 6228.65 | 108.20526 |
| Pb 220.353 | 514.629 | ppb | 5.9293 | 1.2 | 698.503 | 102.92587 |
| Sb 206.834 | 988.098 | ppb | 3.5725 | 0.4 | 937.967 | 98.80984 |
| Se 196.026 | 5236.70 | ppb | 20.0445 | 0.4 | 2275.65 | 104.73391 |
| Sn 189.925 | 5193.23 | ppb | 8.5890 | 0.2 | 3293.13 | 103.86459 |
| Sr 216.596 | 2589.76 | ppb | 7.4486 | 0.3 | 22005.9 | 103.59023 |
| Ti 334.941 | 508.970 | ppb | 1.4089 | 0.3 | 110806 | 101.79391 |
| Tl 190.794 | 5152.26 | ppb | 26.3111 | 0.5 | 4232.39 | 103.04514 |
| V 292.401 | 5115.67 | ppb | 13.8327 | 0.3 | 117542 | 102.31350 |
| Zn 206.200 | 2709.98 | ppb | 1.7762 | 0.1 | 2527.57 | 108.39908 |

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

Cont Calib Blank (CCB) 4/25/2013, 5:14:40 AM Rack 3, Tube 26

Weight: 1

Volume: 1

Dilution: 1

| Label | Replicates Concentration | | |
|------------|--------------------------|-----------|-----------|
| Ag 328.068 | -0.0865u | -0.0022u | 0.1332 |
| Al 308.215 | -0.2795u | -0.5823u | -1.3047u |
| As 188.980 | 3.6351 | -2.4257u | 0.1751 |
| B 249.678 | -24.7761u | -24.6161u | -26.7217u |
| Ba 389.178 | 0.0707 | -0.0612u | 0.6271 |
| Be 313.042 | -0.0108u | -0.0171u | -0.0103u |
| Ca 370.602 | 3.802 | 4.916 | 2.710 |
| Cd 226.502 | 0.0586 | 0.0961 | -0.2623u |
| Co 228.615 | -0.5221u | -0.1034u | 0.3327 |
| Cr 267.716 | -0.0201u | 0.0248 | 0.0152 |
| Cu 324.754 | -0.1238u | 0.2762 | -0.2286u |
| Fe 271.441 | 3.5513 | 4.3042 | -5.1489u |
| K 766.491 | -1.9283u | -0.3534u | -0.9984u |
| Mg 279.078 | 4.3434 | 0.4110 | 6.3101 |
| Mn 257.610 | -0.0586u | -0.0695u | -0.0535u |
| Mo 202.032 | -1.0961u | -0.6014u | -0.7406u |
| Na 330.237 | -97.0556u | -55.3271u | -91.2827u |
| Ni 231.604 | 1.3591 | 1.6494 | 1.3924 |
| Pb 220.353 | 2.7614 | 1.7913 | 1.9987 |
| Sb 206.834 | -2.2856u | 3.0989 | 0.9630 |
| Se 196.026 | 5.7522 | -4.0057u | 3.4555 |
| Sn 189.925 | 1.8411 | 0.7589 | 0.8123 |
| Sr 216.596 | 0.0852 | -0.1857u | -0.6150u |
| Ti 334.941 | 0.0128 | -0.0453u | -0.1391u |
| Tl 190.794 | -6.5881u | -7.4612u | -2.1033u |
| V 292.401 | 0.1399 | 0.2378 | 0.1818 |
| Zn 206.200 | -0.3853u | -1.2787u | 0.9766 |

| Label | Sol'n Conc. | Units | SD | %RSD | Int. (c/s) | QC Value |
|------------|-------------|-------|---------|--------|------------|-----------|
| Ag 328.068 | 0.0148 | ppb | 0.1108 | 746.5 | -28.0354 | 0.01485 |
| Al 308.215 | -0.7222 | ppb | 0.5267 | 72.9 | -34.1648 | -0.72217 |
| As 188.980 | 0.4615 | ppb | 3.0405 | 658.9 | -10.2962 | 0.46148 |
| B 249.678 | -25.3713 | ppb | 1.1722 | 4.6 | 207.920 | -25.37131 |
| Ba 389.178 | 0.2122 | ppb | 0.3653 | 172.1 | -27.8962 | 0.21222 |
| Be 313.042 | -0.0128 | ppb | 0.0038 | 29.7 | -337.279 | -0.01275 |
| Ca 370.602 | 3.809 | ppb | 1.103 | 29.0 | 6.208 | 3.80929 |
| Cd 226.502 | -0.0359 | ppb | 0.1970 | 548.9 | 33.7550 | -0.03589 |
| Co 228.615 | -0.0976 | ppb | 0.4274 | 438.0 | -8.2236 | -0.09759 |
| Cr 267.716 | 0.0066 | ppb | 0.0237 | 356.3 | -27.8150 | 0.00664 |
| Cu 324.754 | -0.0254 | ppb | 0.2664 | 1049.8 | 143.444 | -0.02538 |
| Fe 271.441 | 0.9022 | ppb | 5.2539 | 582.4 | 29.4008 | 0.90217 |
| K 766.491 | -1.0934 | ppb | 0.7917 | 72.4 | 162.635 | -1.09335 |
| Mg 279.078 | 3.6882 | ppb | 3.0037 | 81.4 | 39.8006 | 3.68819 |
| Mn 257.610 | -0.0606 | ppb | 0.0081 | 13.5 | 37.5136 | -0.06055 |
| Mo 202.032 | -0.8127 | ppb | 0.2551 | 31.4 | 15.6373 | -0.81272 |
| Na 330.237 | -81.2217 | ppb | 22.6105 | 27.8 | 55.2522 | -81.22173 |
| Ni 231.604 | 1.4669 | ppb | 0.1589 | 10.8 | -4.1214 | 1.46694 |
| Pb 220.353 | 2.1838 | ppb | 0.5108 | 23.4 | 36.1931 | 2.18378 |
| Sb 206.834 | 0.5921 | ppb | 2.7113 | 457.9 | -0.0865 | 0.59210 |
| Se 196.026 | 1.7340 | ppb | 5.1016 | 294.2 | 10.1544 | 1.73404 |
| Sn 189.925 | 1.1374 | ppb | 0.6100 | 53.6 | -7.4008 | 1.13743 |
| Sr 216.596 | -0.2385 | ppb | 0.3531 | 148.0 | 19.7384 | -0.23849 |
| Ti 334.941 | -0.0572 | ppb | 0.0766 | 133.9 | -40.1604 | -0.05722 |
| Tl 190.794 | -5.3842 | ppb | 2.8747 | 53.4 | -14.8182 | -5.38421 |
| V 292.401 | 0.1865 | ppb | 0.0491 | 26.3 | -2.4364 | 0.18650 |
| Zn 206.200 | -0.2291 | ppb | 1.1357 | 1495.7 | -2.4864 | -0.22913 |

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

ics 680-274127/2-a (Samp) 4/25/2013, 5:20:16 AM Rack 3, Tube 27
 Weight: 1 Volume: 1 Dilution: 1

| Label | Replicates Concentration | | |
|------------|--------------------------|---------|---------|
| Ag 328.068 | 205.129 | 206.683 | 204.914 |
| Al 308.215 | 2214.93 | 2195.54 | 2223.96 |
| As 188.980 | 224.215 | 226.043 | 220.368 |
| B 249.678 | 395.006 | 393.811 | 396.952 |
| Ba 389.178 | 209.750 | 208.450 | 209.124 |
| Be 313.042 | 225.936 | 223.708 | 224.596 |
| Ca 370.602 | 20865 | 20578 | 20676 |
| Cd 226.502 | 225.605 | 223.441 | 223.890 |
| Co 228.615 | 221.746 | 220.362 | 220.090 |
| Cr 267.716 | 220.347 | 217.751 | 219.803 |
| Cu 324.754 | 218.984 | 220.496 | 217.473 |
| Fe 271.441 | 21093.4 | 20876.7 | 21027.4 |
| K 766.491 | 21762.3 | 21610.3 | 21698.4 |
| Mg 279.078 | 21708.3 | 21476.0 | 21544.4 |
| Mn 257.610 | 2292.99 | 2269.45 | 2273.75 |
| Mo 202.032 | 206.606 | 205.006 | 205.526 |
| Na 330.237 | 20063.8 | 19890.1 | 20121.2 |
| Ni 231.604 | 223.825 | 219.541 | 220.450 |
| Pb 220.353 | 209.235 | 219.019 | 209.890 |
| Sb 206.834 | 199.915 | 196.492 | 198.096 |
| Se 196.026 | 218.357 | 198.689 | 213.956 |
| Sn 189.925 | 203.829 | 195.814 | 201.470 |
| Sr 216.596 | 214.773 | 212.706 | 213.422 |
| Ti 334.941 | 207.778 | 205.138 | 206.861 |
| Tl 190.794 | 42.4398 | 41.2519 | 43.6793 |
| V 292.401 | 214.407 | 211.629 | 212.549 |
| Zn 206.200 | 225.550 | 219.807 | 220.187 |

| Label | Sol'n Conc. | Units | SD | %RSD | Int. (c/s) |
|------------|-------------|-------|---------|------|------------|
| Ag 328.068 | 205.575 | ppb | 0.9652 | 0.5 | 13420.6 |
| Al 308.215 | 2211.48 | ppb | 14.5166 | 0.7 | 4258.89 |
| As 188.980 | 223.542 | ppb | 2.8968 | 1.3 | 82.5441 |
| B 249.678 | 395.256 | ppb | 1.5856 | 0.4 | 4693.54 |
| Ba 389.178 | 209.108 | ppb | 0.6504 | 0.3 | 3850.61 |
| Be 313.042 | 224.746 | ppb | 1.1213 | 0.5 | 346570 |
| Ca 370.602 | 20707 | ppb | 145.6 | 0.7 | 47776 |
| Cd 226.502 | 224.312 | ppb | 1.1417 | 0.5 | 6922.93 |
| Co 228.615 | 220.733 | ppb | 0.8882 | 0.4 | 1897.53 |
| Cr 267.716 | 219.300 | ppb | 1.3691 | 0.6 | 6022.25 |
| Cu 324.754 | 218.985 | ppb | 1.5115 | 0.7 | 10359.1 |
| Fe 271.441 | 20999.2 | ppb | 111.058 | 0.5 | 30534.9 |
| K 766.491 | 21690.3 | ppb | 76.3122 | 0.4 | 590040 |
| Mg 279.078 | 21576.2 | ppb | 119.366 | 0.6 | 39110.6 |
| Mn 257.610 | 2278.73 | ppb | 12.5364 | 0.6 | 471053 |
| Mo 202.032 | 205.713 | ppb | 0.8162 | 0.4 | 1302.16 |
| Na 330.237 | 20025.0 | ppb | 120.315 | 0.6 | 836.000 |
| Ni 231.604 | 221.272 | ppb | 2.2568 | 1.0 | 502.973 |
| Pb 220.353 | 212.715 | ppb | 5.4693 | 2.6 | 308.308 |
| Sb 206.834 | 198.168 | ppb | 1.7130 | 0.9 | 179.885 |
| Se 196.026 | 210.334 | ppb | 10.3225 | 4.9 | 100.982 |
| Sn 189.925 | 200.371 | ppb | 4.1185 | 2.1 | 119.260 |
| Sr 216.596 | 213.634 | ppb | 1.0499 | 0.5 | 1838.95 |
| Ti 334.941 | 206.592 | ppb | 1.3401 | 0.6 | 45029.1 |
| Tl 190.794 | 42.4570 | ppb | 1.2138 | 2.9 | 21.0841 |
| V 292.401 | 212.862 | ppb | 1.4151 | 0.7 | 4856.77 |
| Zn 206.200 | 221.848 | ppb | 3.2115 | 1.4 | 209.795 |

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

ics 680-274127/3-a (Samp) 4/25/2013, 5:25:53 AM Rack 3, Tube 28
 Weight: 1 Volume: 1 Dilution: 1

| Label | Replicates Concentration | | |
|------------|--------------------------|---------|---------|
| Ag 328.068 | 55.1343 | 55.1195 | 55.7026 |
| Al 308.215 | 5472.31 | 5479.11 | 5498.49 |
| As 188.980 | 113.843 | 106.583 | 108.427 |
| B 249.678 | 188.396 | 188.801 | 188.726 |
| Ba 389.178 | 106.724 | 108.242 | 106.778 |
| Be 313.042 | 56.2436 | 56.2643 | 56.2349 |
| Ca 370.602 | 5129 | 5128 | 5124 |
| Cd 226.502 | 57.0028 | 56.8139 | 56.7665 |
| Co 228.615 | 55.8787 | 55.2172 | 55.1450 |
| Cr 267.716 | 110.791 | 110.907 | 111.192 |
| Cu 324.754 | 108.765 | 108.504 | 108.733 |
| Fe 271.441 | 5269.06 | 5253.79 | 5254.46 |
| K 766.491 | 5387.47 | 5373.33 | 5384.57 |
| Mg 279.078 | 5401.72 | 5382.01 | 5374.91 |
| Mn 257.610 | 567.852 | 566.188 | 566.304 |
| Mo 202.032 | 103.233 | 103.108 | 102.830 |
| Na 330.237 | 5263.81 | 5386.98 | 5378.22 |
| Ni 231.604 | 111.038 | 110.033 | 109.622 |
| Pb 220.353 | 56.5404 | 51.7718 | 54.6904 |
| Sb 206.834 | 57.1862 | 43.5784 | 54.0533 |
| Se 196.026 | 103.905 | 110.030 | 112.992 |
| Sn 189.925 | 210.305 | 210.019 | 212.923 |
| Sr 216.596 | 106.496 | 107.755 | 107.935 |
| Ti 334.941 | 103.358 | 103.363 | 103.491 |
| Tl 190.794 | 39.2208 | 38.4908 | 38.6599 |
| V 292.401 | 106.798 | 105.959 | 106.141 |
| Zn 206.200 | 114.445 | 113.231 | 113.420 |

| Label | Sol'n Conc. | Units | SD | %RSD | Int. (c/s) |
|------------|-------------|-------|---------|------|------------|
| Ag 328.068 | 55.3188 | ppb | 0.3325 | 0.6 | 3588.38 |
| Al 308.215 | 5483.30 | ppb | 13.5829 | 0.2 | 10592.6 |
| As 188.980 | 109.618 | ppb | 3.7733 | 3.4 | 35.0981 |
| B 249.678 | 188.641 | ppb | 0.2154 | 0.1 | 2495.99 |
| Ba 389.178 | 107.248 | ppb | 0.8612 | 0.8 | 1941.55 |
| Be 313.042 | 56.2476 | ppb | 0.0151 | 0.0 | 86490.5 |
| Ca 370.602 | 5127 | ppb | 2.603 | 0.1 | 11833 |
| Cd 226.502 | 56.8611 | ppb | 0.1250 | 0.2 | 1780.68 |
| Co 228.615 | 55.4136 | ppb | 0.4044 | 0.7 | 470.593 |
| Cr 267.716 | 110.963 | ppb | 0.2068 | 0.2 | 3031.46 |
| Cu 324.754 | 108.667 | ppb | 0.1420 | 0.1 | 5211.98 |
| Fe 271.441 | 5259.10 | ppb | 8.6331 | 0.2 | 7668.95 |
| K 766.491 | 5381.79 | ppb | 7.4658 | 0.1 | 146545 |
| Mg 279.078 | 5386.22 | ppb | 13.8910 | 0.3 | 9787.14 |
| Mn 257.610 | 566.781 | ppb | 0.9293 | 0.2 | 117201 |
| Mo 202.032 | 103.057 | ppb | 0.2065 | 0.2 | 662.911 |
| Na 330.237 | 5343.00 | ppb | 68.7216 | 1.3 | 265.381 |
| Ni 231.604 | 110.231 | ppb | 0.7286 | 0.7 | 246.706 |
| Pb 220.353 | 54.3342 | ppb | 2.4042 | 4.4 | 103.456 |
| Sb 206.834 | 51.6059 | ppb | 7.1264 | 13.8 | 46.2552 |
| Se 196.026 | 108.976 | ppb | 4.6344 | 4.3 | 56.6898 |
| Sn 189.925 | 211.082 | ppb | 1.6007 | 0.8 | 126.061 |
| Sr 216.596 | 107.395 | ppb | 0.7843 | 0.7 | 933.151 |
| Ti 334.941 | 103.404 | ppb | 0.0751 | 0.1 | 22505.2 |
| Tl 190.794 | 38.7905 | ppb | 0.3821 | 1.0 | 20.7209 |
| V 292.401 | 106.299 | ppb | 0.4413 | 0.4 | 2421.73 |
| Zn 206.200 | 113.699 | ppb | 0.6533 | 0.6 | 108.840 |

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

680-89419-g-1-a (Samp) **4/25/2013, 5:31:29 AM** **Rack 3, Tube 29****Weight: 1****Volume: 1****Dilution: 1**

| Label | Replicates Concentration | | |
|------------|--------------------------|----------|----------|
| Ag 328.068 | -0.0086u | -0.2495u | -0.1213u |
| Al 308.215 | 19.6954 | 14.2906 | 21.0075 |
| As 188.980 | 5.1391 | 0.5162 | 5.0196 |
| B 249.678 | 38.0704 | 36.8237 | 36.6387 |
| Ba 389.178 | 76.7262 | 76.1750 | 76.4314 |
| Be 313.042 | -0.0350u | -0.0192 | -0.0152 |
| Ca 370.602 | 138949 | 138385 | 138244 |
| Cd 226.502 | -0.2433u | -0.2643u | -0.3398u |
| Co 228.615 | 1.7797 | 1.6053 | 1.6907 |
| Cr 267.716 | 0.4924 | 0.9008 | 0.3147 |
| Cu 324.754 | 3.4142 | 2.9099 | 3.9455 |
| Fe 271.441 | 975.978 | 980.384 | 971.951 |
| K 766.491 | 1944.60 | 1943.86 | 1947.05 |
| Mg 279.078 | 15401.9 | 15369.9 | 15351.2 |
| Mn 257.610 | 1101.71 | 1100.23 | 1098.91 |
| Mo 202.032 | 1.3589 | 0.7576 | 1.1676 |
| Na 330.237 | 12992.2 | 12641.9 | 12894.9 |
| Ni 231.604 | 3.9352 | 5.1966 | 5.8776 |
| Pb 220.353 | 1.7249 | 2.2827 | -2.4445u |
| Sb 206.834 | -6.5388u | -5.9027u | -1.8645u |
| Se 196.026 | -9.4823u | 1.0400 | 5.3856 |
| Sn 189.925 | -2.6434u | -0.4745u | -0.3994u |
| Sr 216.596 | 316.640 | 315.433 | 315.130 |
| Ti 334.941 | 0.2811 | 0.3150 | 0.2148 |
| Tl 190.794 | -3.9103u | -4.4777u | -3.9523u |
| V 292.401 | -0.5048u | -0.0113u | 0.3865 |
| Zn 206.200 | 10.1646 | 6.2509 | 6.6228 |

| Label | Sol'n Conc. | Units | SD | %RSD | Int. (c/s) |
|------------|-------------|-------|---------|--------|------------|
| Ag 328.068 | -0.1265 | ppb | 0.1205 | 95.3 | -46.0168 |
| Al 308.215 | 18.3312 | ppb | 3.5602 | 19.4 | 2.8177 |
| As 188.980 | 3.5583 | ppb | 2.6352 | 74.1 | -9.0027 |
| B 249.678 | 37.1776 | ppb | 0.7787 | 2.1 | 877.245 |
| Ba 389.178 | 76.4442 | ppb | 0.2758 | 0.4 | 1395.01 |
| Be 313.042 | -0.0231 | ppb | 0.0104 | 45.1 | -315.295 |
| Ca 370.602 | 138526 | ppb | 373.0 | 0.3 | 327604 |
| Cd 226.502 | -0.2825 | ppb | 0.0507 | 18.0 | 29.4256 |
| Co 228.615 | 1.6919 | ppb | 0.0872 | 5.2 | 7.1739 |
| Cr 267.716 | 0.5693 | ppb | 0.3005 | 52.8 | -9.3202 |
| Cu 324.754 | 3.4232 | ppb | 0.5179 | 15.1 | 304.474 |
| Fe 271.441 | 976.104 | ppb | 4.2181 | 0.4 | 1444.91 |
| K 766.491 | 1945.17 | ppb | 1.6703 | 0.1 | 53089.3 |
| Mg 279.078 | 15374.3 | ppb | 25.6450 | 0.2 | 27883.6 |
| Mn 257.610 | 1100.28 | ppb | 1.4053 | 0.1 | 227479 |
| Mo 202.032 | 1.0947 | ppb | 0.3072 | 28.1 | 27.4888 |
| Na 330.237 | 12843.0 | ppb | 180.798 | 1.4 | 561.542 |
| Ni 231.604 | 5.0031 | ppb | 0.9856 | 19.7 | 4.0484 |
| Pb 220.353 | 0.5210 | ppb | 2.5833 | 495.8 | 34.2264 |
| Sb 206.834 | -4.7686 | ppb | 2.5351 | 53.2 | -4.9293 |
| Se 196.026 | -1.0189 | ppb | 7.6448 | 750.3 | 9.2067 |
| Sn 189.925 | -1.1724 | ppb | 1.2745 | 108.7 | -8.8205 |
| Sr 216.596 | 315.734 | ppb | 0.7988 | 0.3 | 2719.54 |
| Ti 334.941 | 0.2703 | ppb | 0.0510 | 18.9 | 84.4759 |
| Tl 190.794 | -4.1134 | ppb | 0.3161 | 7.7 | -15.1423 |
| V 292.401 | -0.0432 | ppb | 0.4465 | 1033.4 | -7.9201 |
| Zn 206.200 | 7.6794 | ppb | 2.1603 | 28.1 | 9.8833 |

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

680-89506-i-1-a (Samp) **4/25/2013, 5:37:06 AM** **Rack 3, Tube 30****Weight: 1****Volume: 1****Dilution: 1**

| Label | Replicates Concentration | | |
|------------|--------------------------|----------|----------|
| Ag 328.068 | -0.1342u | -0.1914u | -0.1803u |
| Al 308.215 | 217.148 | 226.442 | 216.910 |
| As 188.980 | 6.6160 | 5.0734 | 3.7005 |
| B 249.678 | -8.2819u | -7.1743u | -8.0089u |
| Ba 389.178 | 13.8367 | 14.6361 | 13.7306 |
| Be 313.042 | 0.0051 | -0.0052u | -0.0015u |
| Ca 370.602 | 4212 | 4223 | 4230 |
| Cd 226.502 | 0.2305 | 0.2994 | 0.2975 |
| Co 228.615 | 6.1387 | 7.2229 | 6.6188 |
| Cr 267.716 | 2.1771 | 2.0721 | 1.5479 |
| Cu 324.754 | 6.7429 | 7.0248 | 6.5061 |
| Fe 271.441 | 271.656 | 272.205 | 274.931 |
| K 766.491 | 1464.13 | 1464.51 | 1470.70 |
| Mg 279.078 | 794.019 | 800.986 | 795.799 |
| Mn 257.610 | 55.4098 | 55.4398 | 55.6630 |
| Mo 202.032 | -1.1332u | -0.6931u | -0.8377u |
| Na 330.237 | 2489.45 | 2344.78 | 2432.45 |
| Ni 231.604 | 1.5129 | 2.0413 | 2.9316 |
| Pb 220.353 | 1.3510 | 1.8955 | 1.4892 |
| Sb 206.834 | 0.5405 | -3.9005u | -1.4940u |
| Se 196.026 | 1.1947 | -1.7767u | -1.5065u |
| Sn 189.925 | -1.1582u | -0.1247u | 1.1746 |
| Sr 216.596 | 28.8662 | 29.5036 | 28.5299 |
| Ti 334.941 | 15.6164 | 14.8343 | 16.8140 |
| Tl 190.794 | -9.1759u | -6.5910u | 0.3281 |
| V 292.401 | 2.0500 | 1.7159 | 1.4127 |
| Zn 206.200 | 407.106 | 409.263 | 413.101 |

| Label | Sol'n Conc. | Units | SD | %RSD | Int. (c/s) |
|------------|-------------|-------|---------|--------|------------|
| Ag 328.068 | -0.1687 | ppb | 0.0303 | 18.0 | -41.0179 |
| Al 308.215 | 220.167 | ppb | 5.4364 | 2.5 | 393.680 |
| As 188.980 | 5.1300 | ppb | 1.4586 | 28.4 | -8.3536 |
| B 249.678 | -7.8217 | ppb | 0.5770 | 7.4 | 395.721 |
| Ba 389.178 | 14.0678 | ppb | 0.4950 | 3.5 | 226.712 |
| Be 313.042 | -0.0005 | ppb | 0.0053 | 965.7 | -317.495 |
| Ca 370.602 | 4222 | ppb | 8.915 | 0.2 | 9970 |
| Cd 226.502 | 0.2758 | ppb | 0.0393 | 14.2 | 44.0813 |
| Co 228.615 | 6.6601 | ppb | 0.5433 | 8.2 | 50.4505 |
| Cr 267.716 | 1.9324 | ppb | 0.3371 | 17.4 | 25.4585 |
| Cu 324.754 | 6.7579 | ppb | 0.2597 | 3.8 | 459.616 |
| Fe 271.441 | 272.931 | ppb | 1.7536 | 0.6 | 425.227 |
| K 766.491 | 1466.45 | ppb | 3.6870 | 0.3 | 40070.9 |
| Mg 279.078 | 796.935 | ppb | 3.6199 | 0.5 | 1476.76 |
| Mn 257.610 | 55.5042 | ppb | 0.1384 | 0.2 | 11523.3 |
| Mo 202.032 | -0.8880 | ppb | 0.2243 | 25.3 | 15.1534 |
| Na 330.237 | 2422.23 | ppb | 72.8743 | 3.0 | 150.863 |
| Ni 231.604 | 2.1619 | ppb | 0.7170 | 33.2 | -2.5138 |
| Pb 220.353 | 1.5786 | ppb | 0.2830 | 17.9 | 35.4090 |
| Sb 206.834 | -1.6180 | ppb | 2.2231 | 137.4 | -2.0590 |
| Se 196.026 | -0.6962 | ppb | 1.6431 | 236.0 | 9.1166 |
| Sn 189.925 | -0.0361 | ppb | 1.1689 | 3238.9 | -8.1448 |
| Sr 216.596 | 28.9666 | ppb | 0.4946 | 1.7 | 268.648 |
| Ti 334.941 | 15.7549 | ppb | 0.9971 | 6.3 | 3405.22 |
| Tl 190.794 | -5.1463 | ppb | 4.9140 | 95.5 | -14.6965 |
| V 292.401 | 1.7262 | ppb | 0.3188 | 18.5 | 33.2412 |
| Zn 206.200 | 409.824 | ppb | 3.0366 | 0.7 | 386.007 |

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

680-89470-b-1-f (Samp) 4/25/2013, 5:42:43 AM Rack 3, Tube 31

Weight: 1

Volume: 1

Dilution: 1

| Label | Replicates Concentration | | |
|------------|--------------------------|----------|----------|
| Ag 328.068 | 0.5051 | -0.0042u | -0.0044u |
| Al 308.215 | 770.543 | 771.131 | 776.343 |
| As 188.980 | 4.7260 | 0.0230u | -0.9519u |
| B 249.678 | 36.8493 | 36.6229 | 36.1546 |
| Ba 389.178 | 13.3784 | 14.9244 | 14.5753 |
| Be 313.042 | -0.0185u | -0.0225u | -0.0133u |
| Ca 370.602 | 63920 | 63773 | 63701 |
| Cd 226.502 | 0.1362 | 0.0059 | -0.0665 |
| Co 228.615 | 1.0678 | -0.1747u | 0.1706u |
| Cr 267.716 | 2.1100 | 2.2693 | 2.3020 |
| Cu 324.754 | 26.1825 | 25.6959 | 25.7398 |
| Fe 271.441 | 1332.55 | 1328.21 | 1327.71 |
| K 766.491 | 2619.76 | 2623.45 | 2630.30 |
| Mg 279.078 | 28625.2 | 28590.1 | 28520.4 |
| Mn 257.610 | 65.4342 | 65.3599 | 65.2474 |
| Mo 202.032 | 193.884 | 193.592 | 194.654 |
| Na 330.237 | 21383.6 | 21519.7 | 21642.5 |
| Ni 231.604 | 79.1662 | 78.4308 | 78.4384 |
| Pb 220.353 | -0.9171u | 3.8491 | 0.9269 |
| Sb 206.834 | 3.2302 | 0.7110u | -5.0435u |
| Se 196.026 | 0.9793 | -3.6423u | -6.3786u |
| Sn 189.925 | -3.8063u | 1.0764 | -2.8211u |
| Sr 216.596 | 87.1851 | 87.8439 | 86.9999 |
| Ti 334.941 | -0.3349 | -0.1963 | -0.2614 |
| Tl 190.794 | -4.4315u | -5.1917u | -5.6723u |
| V 292.401 | -0.0680u | 0.1807u | 0.5890u |
| Zn 206.200 | 5.6529 | 7.9416 | 7.5906 |

| Label | Sol'n Conc. | Units | SD | %RSD | Int. (c/s) |
|------------|-------------|-------|---------|--------|------------|
| Ag 328.068 | 0.1655 | ppb | 0.2941 | 177.7 | -22.0156 |
| Al 308.215 | 772.673 | ppb | 3.1926 | 0.4 | 1472.61 |
| As 188.980 | 1.2657 | ppb | 3.0361 | 239.9 | -9.9879 |
| B 249.678 | 36.5423 | ppb | 0.3543 | 1.0 | 870.059 |
| Ba 389.178 | 14.2927 | ppb | 0.8109 | 5.7 | 289.975 |
| Be 313.042 | -0.0181 | ppb | 0.0046 | 25.4 | -354.538 |
| Ca 370.602 | 63798 | ppb | 111.4 | 0.2 | 150814 |
| Cd 226.502 | 0.0252 | ppb | 0.1027 | 407.7 | 39.9867 |
| Co 228.615 | 0.3546 | ppb | 0.6413 | 180.9 | -9.2072 |
| Cr 267.716 | 2.2271 | ppb | 0.1027 | 4.6 | 33.9396 |
| Cu 324.754 | 25.8727 | ppb | 0.2692 | 1.0 | 1355.73 |
| Fe 271.441 | 1329.49 | ppb | 2.6624 | 0.2 | 1957.76 |
| K 766.491 | 2624.50 | ppb | 5.3479 | 0.2 | 71563.1 |
| Mg 279.078 | 28578.6 | ppb | 53.3467 | 0.2 | 51829.9 |
| Mn 257.610 | 65.3472 | ppb | 0.0941 | 0.1 | 13705.0 |
| Mo 202.032 | 194.043 | ppb | 0.5488 | 0.3 | 1230.59 |
| Na 330.237 | 21515.3 | ppb | 129.506 | 0.6 | 901.374 |
| Ni 231.604 | 78.6785 | ppb | 0.4224 | 0.5 | 173.896 |
| Pb 220.353 | 1.2863 | ppb | 2.4034 | 186.8 | 34.8331 |
| Sb 206.834 | -0.3674 | ppb | 4.2410 | 1154.3 | -3.2954 |
| Se 196.026 | -3.0139 | ppb | 3.7190 | 123.4 | 8.1219 |
| Sn 189.925 | -1.8503 | ppb | 2.5821 | 139.5 | -9.2739 |
| Sr 216.596 | 87.3430 | ppb | 0.4436 | 0.5 | 763.917 |
| Ti 334.941 | -0.2642 | ppb | 0.0694 | 26.3 | 14.0749 |
| Tl 190.794 | -5.0985 | ppb | 0.6256 | 12.3 | -14.7890 |
| V 292.401 | 0.2339 | ppb | 0.3317 | 141.8 | -33.2149 |
| Zn 206.200 | 7.0617 | ppb | 1.2326 | 17.5 | 9.3018 |

680-89546-a-1-a (Samp) 4/25/2013, 5:48:19 AM Rack 3, Tube 32
Weight: 1 Volume: 1 Dilution: 1

| Label | Replicates Concentration | | |
|------------|--------------------------|----------|----------|
| Ag 328.068 | -0.2921u | -0.0526u | -0.1124u |
| Al 308.215 | 26.5537 | 20.4567 | 16.3728 |
| As 188.980 | 7.9577 | 6.2358 | 4.6663 |
| B 249.678 | 232.068 | 230.001 | 219.790 |
| Ba 389.178 | 19.0521 | 19.6682 | 19.2322 |
| Be 313.042 | -0.0198u | -0.0091u | -0.0060u |
| Ca 370.602 | 55599 | 55242 | 52952 |
| Cd 226.502 | 0.0075u | -0.3091u | -0.3353u |
| Co 228.615 | -1.3257u | 0.5096 | -0.4548u |
| Cr 267.716 | 0.7056 | 0.7395 | 0.6074 |
| Cu 324.754 | 4.4265 | 4.3618 | 3.7178 |
| Fe 271.441 | 40.1425 | 39.8671 | 43.9991 |
| K 766.491 | 19167.7 | 19096.9 | 18377.4 |
| Mg 279.078 | 40522.9 | 40269.4 | 38554.9 |
| Mn 257.610 | 7.3073 | 7.1859 | 6.8130 |
| Mo 202.032 | -0.5570u | -0.9258u | -0.9483u |
| Na 330.237 | 265683x | 263925x | 254302x |
| Ni 231.604 | 3.8349 | 4.2225 | 3.2211 |
| Pb 220.353 | 2.4815 | -2.2058u | -1.5411u |
| Sb 206.834 | -6.3901u | 2.9544 | -0.8772u |
| Se 196.026 | 0.6121 | 4.9542 | -0.5026u |
| Sn 189.925 | -4.0120u | 2.1234 | -0.3913u |
| Sr 216.596 | 609.288 | 607.453 | 579.933 |
| Ti 334.941 | -0.3147 | -0.4348 | -0.5330 |
| Tl 190.794 | -7.3390u | -6.4838u | -4.2443u |
| V 292.401 | 0.7205 | 0.9503 | 0.9135 |
| Zn 206.200 | 29.4128 | 30.1810 | 25.6717 |

| Label | Sol'n Conc. | Units | SD | %RSD | Int. (c/s) |
|------------|-------------|-------|---------|-------|------------|
| Ag 328.068 | -0.1524b | ppb | 0.1247 | 81.8 | -63.2477 |
| Al 308.215 | 21.1277b | ppb | 5.1235 | 24.2 | 8.1532 |
| As 188.980 | 6.2866b | ppb | 1.6463 | 26.2 | -7.8743 |
| B 249.678 | 227.286b | ppb | 6.5736 | 2.9 | 2915.78 |
| Ba 389.178 | 19.3175b | ppb | 0.3168 | 1.6 | 402.481 |
| Be 313.042 | -0.0117b | ppb | 0.0072 | 62.1 | -344.865 |
| Ca 370.602 | 54597b | ppb | 1436 | 2.6 | 129129 |
| Cd 226.502 | -0.2123b | ppb | 0.1908 | 89.9 | 27.8244 |
| Co 228.615 | -0.4236b | ppb | 0.9181 | 216.7 | -11.0234 |
| Cr 267.716 | 0.6842b | ppb | 0.0686 | 10.0 | -6.6383 |
| Cu 324.754 | 4.1687b | ppb | 0.3918 | 9.4 | 338.907 |
| Fe 271.441 | 41.3363b | ppb | 2.3102 | 5.6 | 88.1456 |
| K 766.491 | 18880.7b | ppb | 437.281 | 2.3 | 513634 |
| Mg 279.078 | 39782.4b | ppb | 1070.56 | 2.7 | 72137.2 |
| Mn 257.610 | 7.1021b | ppb | 0.2576 | 3.6 | 1724.26 |
| Mo 202.032 | -0.8104b | ppb | 0.2197 | 27.1 | 15.6489 |
| Na 330.237 | 261303xb | ppb | 6126.68 | 2.3 | 10300.1 |
| Ni 231.604 | 3.7595b | ppb | 0.5049 | 13.4 | 1.1643 |
| Pb 220.353 | -0.4218b | ppb | 2.5362 | 601.3 | 32.8262 |
| Sb 206.834 | -1.4376b | ppb | 4.6974 | 326.7 | -1.9165 |
| Se 196.026 | 1.6879b | ppb | 2.8831 | 170.8 | 10.1364 |
| Sn 189.925 | -0.7600b | ppb | 3.0843 | 405.8 | -8.5233 |
| Sr 216.596 | 598.891b | ppb | 16.4436 | 2.7 | 5121.39 |
| Ti 334.941 | -0.4275b | ppb | 0.1093 | 25.6 | 4.2499 |
| Tl 190.794 | -6.0224b | ppb | 1.5981 | 26.5 | -15.3554 |
| V 292.401 | 0.8614b | ppb | 0.1234 | 14.3 | 11.9032 |
| Zn 206.200 | 28.4218b | ppb | 2.4125 | 8.5 | 29.2831 |

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

680-89586-d-1-a (Samp) 4/25/2013, 5:53:56 AM Rack 3, Tube 33

Weight: 1

Volume: 1

Dilution: 1

| Label | Replicates Concentration | | |
|------------|--------------------------|-----------|-----------|
| Ag 328.068 | 0.1353 | -0.4865u | 0.2774 |
| Al 308.215 | 2.8354 | 0.3826 | 3.3970 |
| As 188.980 | 8.8331 | 4.2242 | 4.3449 |
| B 249.678 | -27.8343u | -27.2799u | -28.3514u |
| Ba 389.178 | 12.2867 | 12.5004 | 11.8388 |
| Be 313.042 | 0.0017 | 0.0044 | -0.0003 |
| Ca 370.602 | 5082 | 5051 | 5052 |
| Cd 226.502 | -0.2968 | -0.4756 | -0.2104 |
| Co 228.615 | 3.0087 | 2.7915 | 3.2517 |
| Cr 267.716 | 0.5543 | 0.4857 | 0.1541 |
| Cu 324.754 | -0.1506u | -0.0474u | 0.1086 |
| Fe 271.441 | 7423.85 | 7379.00 | 7402.03 |
| K 766.491 | 633.918 | 631.784 | 635.032 |
| Mg 279.078 | 3280.58 | 3268.76 | 3269.24 |
| Mn 257.610 | 650.499 | 645.599 | 647.687 |
| Mo 202.032 | -0.6677u | -1.4136u | -1.2025u |
| Na 330.237 | 4701.70 | 4551.96 | 4875.81 |
| Ni 231.604 | 3.9867 | 5.9795 | 3.6330 |
| Pb 220.353 | -2.8677u | -4.2082u | -0.1196u |
| Sb 206.834 | -0.4217u | -2.4153u | -2.2843u |
| Se 196.026 | 3.0590 | 2.1596 | 1.3949 |
| Sn 189.925 | 3.1845 | 2.4166 | 3.1570 |
| Sr 216.596 | 43.3203 | 42.6519 | 42.2124 |
| Ti 334.941 | -0.1515u | -0.1916u | -0.1499u |
| Tl 190.794 | -2.9565u | 0.8383u | 2.5070 |
| V 292.401 | 0.1576 | 0.1179 | 0.0961 |
| Zn 206.200 | 13.4670 | 16.7907 | 16.2418 |

| Label | Sol'n Conc. | Units | SD | %RSD | Int. (c/s) |
|------------|-------------|-------|---------|--------|------------|
| Ag 328.068 | -0.0246 | ppb | 0.4063 | 1650.6 | -30.7583 |
| Al 308.215 | 2.2050 | ppb | 1.6030 | 72.7 | -28.5167 |
| As 188.980 | 5.8007 | ppb | 2.6268 | 45.3 | -8.0278 |
| B 249.678 | -27.8219 | ppb | 0.5359 | 1.9 | 173.732 |
| Ba 389.178 | 12.2086 | ppb | 0.3376 | 2.8 | 205.869 |
| Be 313.042 | 0.0019 | ppb | 0.0024 | 123.0 | -313.906 |
| Ca 370.602 | 5062 | ppb | 17.39 | 0.3 | 11534 |
| Cd 226.502 | -0.3276 | ppb | 0.1353 | 41.3 | 48.0524 |
| Co 228.615 | 3.0173 | ppb | 0.2302 | 7.6 | 18.4965 |
| Cr 267.716 | 0.3980 | ppb | 0.2141 | 53.8 | -14.3711 |
| Cu 324.754 | -0.0298 | ppb | 0.1305 | 438.0 | 145.273 |
| Fe 271.441 | 7401.63 | ppb | 22.4270 | 0.3 | 10770.4 |
| K 766.491 | 633.578 | ppb | 1.6505 | 0.3 | 17421.9 |
| Mg 279.078 | 3272.86 | ppb | 6.6876 | 0.2 | 5957.29 |
| Mn 257.610 | 647.928 | ppb | 2.4591 | 0.4 | 133962 |
| Mo 202.032 | -1.0946 | ppb | 0.3845 | 35.1 | 13.5602 |
| Na 330.237 | 4709.83 | ppb | 162.077 | 3.4 | 241.239 |
| Ni 231.604 | 4.5331 | ppb | 1.2651 | 27.9 | 3.0819 |
| Pb 220.353 | -2.3985 | ppb | 2.0843 | 86.9 | 30.3790 |
| Sb 206.834 | -1.7071 | ppb | 1.1151 | 65.3 | -2.0053 |
| Se 196.026 | 2.2045 | ppb | 0.8330 | 37.8 | 10.5361 |
| Sn 189.925 | 2.9194 | ppb | 0.4357 | 14.9 | -6.2654 |
| Sr 216.596 | 42.7282 | ppb | 0.5579 | 1.3 | 388.066 |
| Ti 334.941 | -0.1643 | ppb | 0.0236 | 14.4 | -51.6197 |
| Tl 190.794 | 0.1296 | ppb | 2.7998 | 2160.3 | -11.3683 |
| V 292.401 | 0.1239 | ppb | 0.0312 | 25.2 | -3.7909 |
| Zn 206.200 | 15.4998 | ppb | 1.7818 | 184.5 | 257.1978 |

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

680-89586-d-2-a (Samp) 4/25/2013, 5:59:33 AM Rack 3, Tube 34

Weight: 1

Volume: 1

Dilution: 1

| Label | Replicates Concentration | | |
|------------|--------------------------|-----------|-----------|
| Ag 328.068 | -0.1405u | -0.3649u | -0.3743u |
| Al 308.215 | 7.0802 | 0.0219 | -0.3943u |
| As 188.980 | -0.7348u | -0.2719u | 2.8489 |
| B 249.678 | -30.6175u | -30.4469u | -30.7699u |
| Ba 389.178 | 7.0168 | 4.9114 | 7.4378 |
| Be 313.042 | 0.0297 | 0.0409 | 0.0462 |
| Ca 370.602 | 6345 | 6392 | 6350 |
| Cd 226.502 | -0.0132 | -0.2882u | -0.1203 |
| Co 228.615 | -0.4375u | 0.7173 | -0.6223u |
| Cr 267.716 | 0.0028 | 0.3131 | 0.4123 |
| Cu 324.754 | -0.0764u | 0.3506 | -0.3529u |
| Fe 271.441 | 1322.67 | 1333.61 | 1330.23 |
| K 766.491 | 549.524 | 552.774 | 552.968 |
| Mg 279.078 | 1518.02 | 1518.62 | 1522.95 |
| Mn 257.610 | 222.167 | 223.366 | 223.002 |
| Mo 202.032 | -0.8641u | -0.5131u | -1.1877u |
| Na 330.237 | 1940.72 | 1984.77 | 1828.35 |
| Ni 231.604 | 2.9689 | 2.5450 | 3.6626 |
| Pb 220.353 | 0.2265 | -2.7211u | 0.5863 |
| Sb 206.834 | -0.3140u | -2.2501u | -0.3401u |
| Se 196.026 | -4.9629u | 8.0511 | 4.5951 |
| Sn 189.925 | 3.7983 | 2.8848 | -0.4511u |
| Sr 216.596 | 16.8717 | 16.8725 | 17.1246 |
| Ti 334.941 | -0.1254u | -0.1237u | -0.0953u |
| Tl 190.794 | -3.6930u | -4.1072u | -7.1722u |
| V 292.401 | 0.1557 | 0.1378 | -0.3411u |
| Zn 206.200 | 5.9774 | 11.0568 | 9.4659 |

| Label | Sol'n Conc. | Units | SD | %RSD | Int. (c/s) |
|------------|-------------|-------|---------|--------|------------|
| Ag 328.068 | -0.2932 | ppb | 0.1324 | 45.1 | -48.1887 |
| Al 308.215 | 2.2359 | ppb | 4.2004 | 187.9 | -28.4461 |
| As 188.980 | 0.6141 | ppb | 1.9492 | 317.4 | -10.2240 |
| B 249.678 | -30.6114 | ppb | 0.1616 | 0.5 | 150.338 |
| Ba 389.178 | 6.4553 | ppb | 1.3536 | 21.0 | 90.5570 |
| Be 313.042 | 0.0389 | ppb | 0.0085 | 21.7 | -255.923 |
| Ca 370.602 | 6362 | ppb | 25.52 | 0.4 | 14969 |
| Cd 226.502 | -0.1406 | ppb | 0.1386 | 98.6 | 34.7321 |
| Co 228.615 | -0.1142 | ppb | 0.7260 | 635.9 | -8.3947 |
| Cr 267.716 | 0.2427 | ppb | 0.2137 | 88.0 | -20.5559 |
| Cu 324.754 | -0.0262 | ppb | 0.3544 | 1352.8 | 143.767 |
| Fe 271.441 | 1328.84 | ppb | 5.6000 | 0.4 | 1956.64 |
| K 766.491 | 551.755 | ppb | 1.9346 | 0.4 | 15196.8 |
| Mg 279.078 | 1519.86 | ppb | 2.6911 | 0.2 | 2784.95 |
| Mn 257.610 | 222.845 | ppb | 0.6145 | 0.3 | 46106.2 |
| Mo 202.032 | -0.8550 | ppb | 0.3374 | 39.5 | 15.3168 |
| Na 330.237 | 1917.95 | ppb | 80.6601 | 4.2 | 133.252 |
| Ni 231.604 | 3.0588 | ppb | 0.5642 | 18.4 | -0.4274 |
| Pb 220.353 | -0.6361 | ppb | 1.8146 | 285.3 | 32.5860 |
| Sb 206.834 | -0.9681 | ppb | 1.1103 | 114.7 | -1.4641 |
| Se 196.026 | 2.5611 | ppb | 6.7412 | 263.2 | 10.5672 |
| Sn 189.925 | 2.0773 | ppb | 2.2368 | 107.7 | -6.8008 |
| Sr 216.596 | 16.9563 | ppb | 0.1458 | 0.9 | 166.976 |
| Ti 334.941 | -0.1148 | ppb | 0.0169 | 14.7 | -47.3634 |
| Tl 190.794 | -4.9908 | ppb | 1.9005 | 38.1 | -14.8195 |
| V 292.401 | -0.0158 | ppb | 0.2818 | 1778.3 | -7.0542 |
| Zn 206.200 | 8.8333 | ppb | 2.5981 | 29.4 | 1099624 |

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680-89586-d-3-a (Samp) **4/25/2013, 6:05:09 AM** **Rack 3, Tube 35****Weight: 1****Volume: 1****Dilution: 1**

| Label | Replicates Concentration | | |
|------------|--------------------------|-----------|-----------|
| Ag 328.068 | -0.0272u | 0.0391u | 0.0022u |
| Al 308.215 | 1.5996 | 3.8505 | 6.6664 |
| As 188.980 | 2.0486 | 5.7080 | 5.2097 |
| B 249.678 | -30.7493u | -32.2387u | -31.5060u |
| Ba 389.178 | 2.3541 | 3.8654 | 3.7898 |
| Be 313.042 | -0.0254u | -0.0008 | -0.0098u |
| Ca 370.602 | 18355 | 18345 | 18297 |
| Cd 226.502 | -0.2552u | -0.3719u | -0.0495 |
| Co 228.615 | -0.6352u | -0.2478u | -0.0341u |
| Cr 267.716 | -0.1477u | 0.0833 | 0.2970 |
| Cu 324.754 | 0.5820 | 0.1177 | 0.2559 |
| Fe 271.441 | 905.614 | 909.658 | 901.478 |
| K 766.491 | 1134.05 | 1134.78 | 1135.99 |
| Mg 279.078 | 4914.63 | 4900.62 | 4900.89 |
| Mn 257.610 | 450.311 | 449.976 | 449.172 |
| Mo 202.032 | -0.6360u | -0.9972u | -0.7266u |
| Na 330.237 | 10883.4 | 10944.7 | 10904.0 |
| Ni 231.604 | 0.8426 | 0.6030 | 2.5442 |
| Pb 220.353 | 2.6620 | 0.0153 | 1.0234 |
| Sb 206.834 | -4.6860u | -8.2828u | -6.2034u |
| Se 196.026 | 4.5505 | 4.5205 | 3.5299 |
| Sn 189.925 | 3.7361 | -1.5844u | -2.9137u |
| Sr 216.596 | 110.385 | 109.305 | 109.404 |
| Ti 334.941 | -0.1230u | -0.0869u | -0.1956u |
| Tl 190.794 | -3.7683u | -2.1466u | -0.6968u |
| V 292.401 | -0.8274u | -0.5201u | -0.3726u |
| Zn 206.200 | 0.9218 | 0.6922 | 1.1120 |

| Label | Sol'n Conc. | Units | SD | %RSD | Int. (c/s) |
|------------|-------------|-------|---------|--------|------------|
| Ag 328.068 | 0.0047 | ppb | 0.0332 | 708.4 | -31.4721 |
| Al 308.215 | 4.0388 | ppb | 2.5386 | 62.9 | -24.9527 |
| As 188.980 | 4.3221 | ppb | 1.9846 | 45.9 | -8.6853 |
| B 249.678 | -31.4980 | ppb | 0.7447 | 2.4 | 141.289 |
| Ba 389.178 | 3.3364 | ppb | 0.8516 | 25.5 | 40.1868 |
| Be 313.042 | -0.0120 | ppb | 0.0124 | 104.0 | -331.966 |
| Ca 370.602 | 18332 | ppb | 31.34 | 0.2 | 43312 |
| Cd 226.502 | -0.2255 | ppb | 0.1632 | 72.4 | 30.8256 |
| Co 228.615 | -0.3057 | ppb | 0.3047 | 99.7 | -10.0339 |
| Cr 267.716 | 0.0775 | ppb | 0.2224 | 286.8 | -24.5134 |
| Cu 324.754 | 0.3185 | ppb | 0.2384 | 74.8 | 159.720 |
| Fe 271.441 | 905.583 | ppb | 4.0902 | 0.5 | 1342.35 |
| K 766.491 | 1134.94 | ppb | 0.9781 | 0.1 | 31056.0 |
| Mg 279.078 | 4905.38 | ppb | 8.0145 | 0.2 | 8917.89 |
| Mn 257.610 | 449.820 | ppb | 0.5853 | 0.1 | 93021.3 |
| Mo 202.032 | -0.7866 | ppb | 0.1879 | 23.9 | 15.7622 |
| Na 330.237 | 10910.7 | ppb | 31.1704 | 0.3 | 485.858 |
| Ni 231.604 | 1.3300 | ppb | 1.0584 | 79.6 | -4.4206 |
| Pb 220.353 | 1.2336 | ppb | 1.3358 | 108.3 | 35.0408 |
| Sb 206.834 | -6.3907 | ppb | 1.8057 | 28.3 | -6.3735 |
| Se 196.026 | 4.2003 | ppb | 0.5808 | 13.8 | 11.3231 |
| Sn 189.925 | -0.2540 | ppb | 3.5189 | 1385.3 | -8.2766 |
| Sr 216.596 | 109.698 | ppb | 0.5970 | 0.5 | 956.859 |
| Ti 334.941 | -0.1352 | ppb | 0.0554 | 41.0 | -40.4367 |
| Tl 190.794 | -2.2039 | ppb | 1.5365 | 69.7 | -12.7788 |
| V 292.401 | -0.5733 | ppb | 0.2320 | 40.5 | -19.9053 |
| Zn 206.200 | 0.9087 | ppb | 0.2102 | 23.1 | 257.5508 |

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680-89586-d-3-aSD^5 (Samp) **4/25/2013, 6:10:46 AM** **Rack 3, Tube 36****Weight: 1****Volume: 1****Dilution: 1**

| Label | Replicates Concentration | | |
|------------|--------------------------|-----------|-----------|
| Ag 328.068 | 0.0444 | -0.1248u | -0.1279u |
| Al 308.215 | -5.3671u | 3.9214 | 5.9277 |
| As 188.980 | 2.7544 | 0.8726 | 1.5365 |
| B 249.678 | -34.7242u | -34.9796u | -34.8671u |
| Ba 389.178 | 0.3113 | 1.3851 | 1.9702 |
| Be 313.042 | -0.0067u | -0.0158u | -0.0009u |
| Ca 370.602 | 3666 | 3664 | 3652 |
| Cd 226.502 | -0.4758u | -0.1530u | -0.0621u |
| Co 228.615 | -0.8748u | -0.4833u | 0.6848 |
| Cr 267.716 | 0.5285 | 0.3315 | 0.1032 |
| Cu 324.754 | 0.0806 | 0.1621 | -0.7626u |
| Fe 271.441 | 180.900 | 180.330 | 170.395 |
| K 766.491 | 216.372 | 217.502 | 215.815 |
| Mg 279.078 | 995.710 | 996.269 | 992.958 |
| Mn 257.610 | 90.8298 | 90.7639 | 90.7909 |
| Mo 202.032 | -1.5197u | -0.4576u | -0.6849u |
| Na 330.237 | 2034.80 | 2090.86 | 2063.03 |
| Ni 231.604 | 0.1199 | 0.9443 | 1.0493 |
| Pb 220.353 | 3.1035 | 3.8821 | 1.8786 |
| Sb 206.834 | -2.6401u | -4.8534u | -9.1944u |
| Se 196.026 | 7.7999 | 6.3318 | 4.3622 |
| Sn 189.925 | -0.6638u | -0.6851u | 0.1365 |
| Sr 216.596 | 22.5530 | 21.8577 | 22.3053 |
| Ti 334.941 | -0.1636u | -0.1459u | -0.1926u |
| Tl 190.794 | -5.9878u | -7.2161u | -1.5294u |
| V 292.401 | -0.2313u | -0.2257u | -0.0859u |
| Zn 206.200 | 1.0813 | 2.7381 | 1.0329 |

| Label | Sol'n Conc. | Units | SD | %RSD | Int. (c/s) |
|------------|-------------|-------|---------|-------|------------|
| Ag 328.068 | -0.0694 | ppb | 0.0986 | 142.0 | -34.1037 |
| Al 308.215 | 1.4940 | ppb | 6.0260 | 403.3 | -29.8812 |
| As 188.980 | 1.7212 | ppb | 0.9544 | 55.5 | -9.7713 |
| B 249.678 | -34.8569 | ppb | 0.1280 | 0.4 | 106.062 |
| Ba 389.178 | 1.2222 | ppb | 0.8414 | 68.8 | -7.2348 |
| Be 313.042 | -0.0078 | ppb | 0.0075 | 96.6 | -328.779 |
| Ca 370.602 | 3661 | ppb | 7.718 | 0.2 | 8646 |
| Cd 226.502 | -0.2303 | ppb | 0.2174 | 94.4 | 28.4134 |
| Co 228.615 | -0.2244 | ppb | 0.8114 | 361.6 | -9.3174 |
| Cr 267.716 | 0.3211 | ppb | 0.2129 | 66.3 | -18.8770 |
| Cu 324.754 | -0.1733 | ppb | 0.5120 | 295.4 | 136.597 |
| Fe 271.441 | 177.208 | ppb | 5.9073 | 3.3 | 285.275 |
| K 766.491 | 216.563 | ppb | 0.8597 | 0.4 | 6081.59 |
| Mg 279.078 | 994.979 | ppb | 1.7727 | 0.2 | 1835.26 |
| Mn 257.610 | 90.7949 | ppb | 0.0331 | 0.0 | 18816.0 |
| Mo 202.032 | -0.8874 | ppb | 0.5593 | 63.0 | 15.1642 |
| Na 330.237 | 2062.90 | ppb | 28.0296 | 1.4 | 139.242 |
| Ni 231.604 | 0.7045 | ppb | 0.5090 | 72.2 | -5.8757 |
| Pb 220.353 | 2.9547 | ppb | 1.0100 | 34.2 | 37.2051 |
| Sb 206.834 | -5.5627 | ppb | 3.3342 | 59.9 | -5.6419 |
| Se 196.026 | 6.1646 | ppb | 1.7250 | 28.0 | 12.0914 |
| Sn 189.925 | -0.4041 | ppb | 0.4683 | 115.9 | -8.3790 |
| Sr 216.596 | 22.2387 | ppb | 0.3524 | 1.6 | 211.351 |
| Ti 334.941 | -0.1674 | ppb | 0.0236 | 14.1 | -60.7586 |
| Tl 190.794 | -4.9111 | ppb | 2.9923 | 60.9 | -14.5457 |
| V 292.401 | -0.1810 | ppb | 0.0824 | 45.5 | -10.8546 |
| Zn 206.200 | 1.6174 | ppb | 0.9708 | 60.0 | 4.2139 |

Cont Calib Verif (CCV) 4/25/2013, 6:16:23 AM Rack 3, Tube 37
Weight: 1 Volume: 1 Dilution: 1

| Label | Replicates Concentration | | |
|------------|--------------------------|---------|---------|
| Ag 328.068 | 512.016 | 506.701 | 513.046 |
| Al 308.215 | 5084.65 | 5121.41 | 5048.20 |
| As 188.980 | 514.659 | 524.243 | 529.230 |
| B 249.678 | 507.939 | 512.918 | 515.395 |
| Ba 389.178 | 5209.66 | 5225.78 | 5228.10 |
| Be 313.042 | 546.522 | 549.467 | 547.330 |
| Ca 370.602 | 5102 | 5127 | 5126 |
| Cd 226.502 | 539.164 | 541.497 | 541.690 |
| Co 228.615 | 539.816 | 542.241 | 544.458 |
| Cr 267.716 | 5328.11 | 5352.03 | 5297.99 |
| Cu 324.754 | 5269.25 | 5351.56 | 5362.18 |
| Fe 271.441 | 5169.50 | 5199.58 | 5193.19 |
| K 766.491 | 10360.0 | 10433.9 | 10421.9 |
| Mg 279.078 | 5254.25 | 5272.27 | 5276.93 |
| Mn 257.610 | 5412.19 | 5426.56 | 5441.97 |
| Mo 202.032 | 507.669 | 510.066 | 508.182 |
| Na 330.237 | 7910.87 | 7916.74 | 7999.72 |
| Ni 231.604 | 2716.09 | 2712.65 | 2726.28 |
| Pb 220.353 | 512.506 | 511.683 | 517.553 |
| Sb 206.834 | 1001.23 | 990.758 | 994.573 |
| Se 196.026 | 5267.63 | 5288.48 | 5285.18 |
| Sn 189.925 | 5184.10 | 5202.29 | 5209.74 |
| Sr 216.596 | 2583.78 | 2591.86 | 2585.48 |
| Ti 334.941 | 509.825 | 512.684 | 510.345 |
| Tl 190.794 | 5178.48 | 5183.97 | 5222.74 |
| V 292.401 | 5148.49 | 5179.05 | 5181.20 |
| Zn 206.200 | 2731.28 | 2738.47 | 2768.32 |

| Label | Sol'n Conc. | Units | SD | %RSD | Int. (c/s) | QC Value |
|------------|-------------|-------|---------|------|------------|-----------|
| Ag 328.068 | 510.587 | ppb | 3.4049 | 0.7 | 33324.9 | 102.11748 |
| Al 308.215 | 5084.75 | ppb | 36.6053 | 0.7 | 9808.45 | 101.69509 |
| As 188.980 | 522.711 | ppb | 7.4053 | 1.4 | 206.756 | 104.54216 |
| B 249.678 | 512.084 | ppb | 3.7975 | 0.7 | 5962.50 | 20.48336Q |
| Ba 389.178 | 5221.18 | ppb | 10.0462 | 0.2 | 95209.1 | 104.42362 |
| Be 313.042 | 547.773 | ppb | 1.5214 | 0.3 | 845004 | 109.55464 |
| Ca 370.602 | 5118 | ppb | 14.16 | 0.3 | 12004 | 102.36038 |
| Cd 226.502 | 540.784 | ppb | 1.4061 | 0.3 | 16498.5 | 108.15680 |
| Co 228.615 | 542.172 | ppb | 2.3217 | 0.4 | 4681.91 | 108.43436 |
| Cr 267.716 | 5326.04 | ppb | 27.0814 | 0.5 | 146736 | 106.52085 |
| Cu 324.754 | 5327.66 | ppb | 50.8654 | 1.0 | 248396 | 106.55319 |
| Fe 271.441 | 5187.42 | ppb | 15.8476 | 0.3 | 7669.37 | 103.74844 |
| K 766.491 | 10405.3 | ppb | 39.6572 | 0.4 | 283153 | 104.05253 |
| Mg 279.078 | 5267.82 | ppb | 11.9740 | 0.2 | 9505.59 | 105.35635 |
| Mn 257.610 | 5426.91 | ppb | 14.8934 | 0.3 | 1121417 | 108.53818 |
| Mo 202.032 | 508.639 | ppb | 1.2622 | 0.2 | 3183.68 | 101.72781 |
| Na 330.237 | 7942.44 | ppb | 49.6897 | 0.6 | 349.973 | 105.89922 |
| Ni 231.604 | 2718.34 | ppb | 7.0872 | 0.3 | 6259.10 | 108.73367 |
| Pb 220.353 | 513.914 | ppb | 3.1780 | 0.6 | 697.576 | 102.78285 |
| Sb 206.834 | 995.521 | ppb | 5.3016 | 0.5 | 945.093 | 99.55212 |
| Se 196.026 | 5280.43 | ppb | 11.2048 | 0.2 | 2294.58 | 105.60861 |
| Sn 189.925 | 5198.71 | ppb | 13.1894 | 0.3 | 3296.61 | 103.97417 |
| Sr 216.596 | 2587.04 | ppb | 4.2595 | 0.2 | 21982.5 | 103.48177 |
| Ti 334.941 | 510.951 | ppb | 1.5229 | 0.3 | 111238 | 102.19020 |
| Tl 190.794 | 5195.06 | ppb | 24.1270 | 0.5 | 4267.64 | 103.90121 |
| V 292.401 | 5169.58 | ppb | 18.2949 | 0.4 | 118781 | 103.39156 |
| Zn 206.200 | 2746.02 | ppb | 19.6424 | 0.7 | 2561.20 | 109.84097 |

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

Cont Calib Blank (CCB) 4/25/2013, 6:22:00 AM Rack 3, Tube 38

Weight: 1 Volume: 1 Dilution: 1

| Label | Replicates Concentration | | |
|------------|--------------------------|-----------|-----------|
| Ag 328.068 | 0.2744 | -0.4410u | -0.6461u |
| Al 308.215 | 2.1425 | 4.6579 | -1.9803u |
| As 188.980 | 6.3845 | 1.7803 | 11.8106 |
| B 249.678 | -25.0852u | -26.1422u | -27.1716u |
| Ba 389.178 | -0.0144u | 0.5372 | 0.4929 |
| Be 313.042 | -0.0171u | -0.0047u | -0.0028u |
| Ca 370.602 | 5.634 | 7.480 | 2.870 |
| Cd 226.502 | -0.1511u | -0.2684u | -0.1031u |
| Co 228.615 | -0.7386u | 0.4945 | 1.0141 |
| Cr 267.716 | 0.3452 | -0.0013u | -0.2883u |
| Cu 324.754 | -0.0748u | -0.1106u | 0.0205 |
| Fe 271.441 | -5.4840u | 4.0450 | 3.0933 |
| K 766.491 | -0.1156u | -0.6873u | -0.0731u |
| Mg 279.078 | 4.1184 | 1.1878 | 0.3900 |
| Mn 257.610 | -0.0100u | 0.0143 | 0.0327 |
| Mo 202.032 | -0.8328u | -0.3228u | -0.5777u |
| Na 330.237 | -16.8127u | -29.3674u | -51.0451u |
| Ni 231.604 | 2.3250 | 1.4288 | 2.1718 |
| Pb 220.353 | 2.5142 | 3.2775 | 1.2958 |
| Sb 206.834 | 2.6202 | 0.0044 | 2.7004 |
| Se 196.026 | 9.0185 | 15.3173 | -4.1505u |
| Sn 189.925 | -2.5352u | -0.6522u | 2.9012 |
| Sr 216.596 | -0.1768u | 0.3662 | 0.1091 |
| Ti 334.941 | -0.0416u | -0.0289u | -0.0618u |
| Tl 190.794 | -0.2597u | -4.2215u | -1.0148u |
| V 292.401 | 0.1734 | -0.0996u | -0.1399u |
| Zn 206.200 | -4.1887u | -0.0563u | 0.6983 |

| Label | Sol'n Conc. | Units | SD | %RSD | Int. (c/s) | QC Value |
|------------|-------------|-------|---------|--------|------------|-----------|
| Ag 328.068 | -0.2709 | ppb | 0.4833 | 178.4 | -46.7474 | -0.27089 |
| Al 308.215 | 1.6067 | ppb | 3.3514 | 208.6 | -29.6525 | 1.60669 |
| As 188.980 | 6.6585 | ppb | 5.0208 | 75.4 | -7.7200 | 6.65847 |
| B 249.678 | -26.1330 | ppb | 1.0432 | 4.0 | 199.754 | -26.13301 |
| Ba 389.178 | 0.3386 | ppb | 0.3065 | 90.5 | -25.5926 | 0.33859 |
| Be 313.042 | -0.0082 | ppb | 0.0077 | 94.4 | -330.261 | -0.00821 |
| Ca 370.602 | 5.328 | ppb | 2.321 | 43.6 | 9.675 | 5.32799 |
| Cd 226.502 | -0.1742 | ppb | 0.0850 | 48.8 | 29.5546 | -0.17421 |
| Co 228.615 | 0.2567 | ppb | 0.9002 | 350.7 | -5.1638 | 0.25668 |
| Cr 267.716 | 0.0185 | ppb | 0.3172 | 1710.6 | -27.4844 | 0.01855 |
| Cu 324.754 | -0.0550 | ppb | 0.0678 | 123.3 | 142.068 | -0.05496 |
| Fe 271.441 | 0.5514 | ppb | 5.2485 | 951.8 | 28.9078 | 0.55144 |
| K 766.491 | -0.2920 | ppb | 0.3430 | 117.5 | 184.427 | -0.29202 |
| Mg 279.078 | 1.8987 | ppb | 1.9632 | 103.4 | 36.5558 | 1.89872 |
| Mn 257.610 | 0.0123 | ppb | 0.0214 | 173.9 | 52.5668 | 0.01231 |
| Mo 202.032 | -0.5778 | ppb | 0.2550 | 44.1 | 17.1025 | -0.57778 |
| Na 330.237 | -32.4085 | ppb | 17.3176 | 53.4 | 57.1592 | -32.40852 |
| Ni 231.604 | 1.9752 | ppb | 0.4794 | 24.3 | -2.9497 | 1.97519 |
| Pb 220.353 | 2.3625 | ppb | 0.9995 | 42.3 | 36.4241 | 2.36250 |
| Sb 206.834 | 1.7750 | ppb | 1.5339 | 86.4 | 0.9821 | 1.77500 |
| Se 196.026 | 6.7285 | ppb | 9.9339 | 147.6 | 12.3147 | 6.72846 |
| Sn 189.925 | -0.0954 | ppb | 2.7606 | 2893.5 | -8.1845 | -0.09541 |
| Sr 216.596 | 0.0995 | ppb | 0.2716 | 273.0 | 22.6157 | 0.09951 |
| Ti 334.941 | -0.0441 | ppb | 0.0166 | 37.6 | -37.3061 | -0.04410 |
| Tl 190.794 | -1.8320 | ppb | 2.1035 | 114.8 | -11.8901 | -1.83200 |
| V 292.401 | -0.0220 | ppb | 0.1704 | 773.3 | -7.2420 | -0.02204 |
| Zn 206.200 | -1.1822 | ppb | 2.6309 | 222.5 | 25.5949 | -1.18224 |

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680-89586-d-3-aPDS (Samp) **4/25/2013, 6:27:37 AM** **Rack 3, Tube 39****Weight: 1****Volume: 1****Dilution: 1**

| Label | Replicates Concentration | | |
|------------|--------------------------|---------|---------|
| Ag 328.068 | 53.2325 | 52.4362 | 52.2205 |
| Al 308.215 | 2189.02 | 2161.13 | 2146.17 |
| As 188.980 | 2311.37 | 2268.28 | 2310.12 |
| B 249.678 | 1075.85 | 1080.50 | 1085.36 |
| Ba 389.178 | 2184.69 | 2176.54 | 2170.66 |
| Be 313.042 | 56.5193 | 56.3204 | 56.0992 |
| Ca 370.602 | 23635 | 23498 | 23452 |
| Cd 226.502 | 56.5438 | 56.3076 | 56.2602 |
| Co 228.615 | 568.645 | 569.011 | 570.636 |
| Cr 267.716 | 223.503 | 222.380 | 220.641 |
| Cu 324.754 | 277.484 | 276.975 | 276.631 |
| Fe 271.441 | 1962.54 | 1947.95 | 1957.76 |
| K 766.491 | 6927.33 | 6904.17 | 6870.26 |
| Mg 279.078 | 10463.7 | 10461.3 | 10443.8 |
| Mn 257.610 | 1018.45 | 1016.95 | 1015.61 |
| Mo 202.032 | 535.139 | 536.139 | 536.345 |
| Na 330.237 | 16695.7 | 17210.5 | 16789.2 |
| Ni 231.604 | 558.567 | 556.572 | 556.755 |
| Pb 220.353 | 531.885 | 530.789 | 528.823 |
| Sb 206.834 | 514.166 | 509.415 | 504.411 |
| Se 196.026 | 2186.05 | 2189.26 | 2184.12 |
| Sn 189.925 | 1094.53 | 1079.07 | 1101.47 |
| Sr 216.596 | 663.884 | 660.271 | 660.419 |
| Ti 334.941 | 1064.76 | 1057.44 | 1052.76 |
| Tl 190.794 | 2196.10 | 2199.26 | 2201.59 |
| V 292.401 | 535.300 | 532.999 | 532.106 |
| Zn 206.200 | 563.930 | 562.625 | 562.903 |

| Label | Sol'n Conc. | Units | SD | %RSD | Int. (c/s) |
|------------|-------------|-------|---------|------|------------|
| Ag 328.068 | 52.6297 | ppb | 0.5331 | 1.0 | 3394.85 |
| Al 308.215 | 2165.44 | ppb | 21.7509 | 1.0 | 4182.63 |
| As 188.980 | 2296.59 | ppb | 24.5269 | 1.1 | 944.164 |
| B 249.678 | 1080.57 | ppb | 4.7575 | 0.4 | 12058.8 |
| Ba 389.178 | 2177.30 | ppb | 7.0482 | 0.3 | 39700.2 |
| Be 313.042 | 56.3130 | ppb | 0.2102 | 0.4 | 86526.1 |
| Ca 370.602 | 23529 | ppb | 95.28 | 0.4 | 55697 |
| Cd 226.502 | 56.3705 | ppb | 0.1519 | 0.3 | 1755.58 |
| Co 228.615 | 569.431 | ppb | 1.0597 | 0.2 | 4917.04 |
| Cr 267.716 | 222.174 | ppb | 1.4419 | 0.6 | 6095.81 |
| Cu 324.754 | 277.030 | ppb | 0.4292 | 0.2 | 13064.5 |
| Fe 271.441 | 1956.08 | ppb | 7.4339 | 0.4 | 2946.09 |
| K 766.491 | 6900.59 | ppb | 28.7021 | 0.4 | 187847 |
| Mg 279.078 | 10456.3 | ppb | 10.8323 | 0.1 | 18970.5 |
| Mn 257.610 | 1017.00 | ppb | 1.4212 | 0.1 | 210247 |
| Mo 202.032 | 535.874 | ppb | 0.6452 | 0.1 | 3361.16 |
| Na 330.237 | 16898.5 | ppb | 274.219 | 1.6 | 710.806 |
| Ni 231.604 | 557.298 | ppb | 1.1025 | 0.2 | 1277.25 |
| Pb 220.353 | 530.499 | ppb | 1.5512 | 0.3 | 718.050 |
| Sb 206.834 | 509.331 | ppb | 4.8779 | 1.0 | 455.506 |
| Se 196.026 | 2186.48 | ppb | 2.5969 | 0.1 | 955.365 |
| Sn 189.925 | 1091.69 | ppb | 11.4692 | 1.1 | 685.856 |
| Sr 216.596 | 661.525 | ppb | 2.0445 | 0.3 | 5629.52 |
| Ti 334.941 | 1058.32 | ppb | 6.0522 | 0.6 | 230431 |
| Tl 190.794 | 2198.98 | ppb | 2.7559 | 0.1 | 1801.34 |
| V 292.401 | 533.468 | ppb | 1.6480 | 0.3 | 12202.2 |
| Zn 206.200 | 563.153 | ppb | 0.6873 | 0.1 | 529.011 |

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

680-89586-d-3-b ms (Samp) 4/25/2013, 6:33:14 AM Rack 3, Tube 40**Weight: 1****Volume: 1****Dilution: 1**

| Label | Replicates Concentration | | |
|------------|--------------------------|---------|---------|
| Ag 328.068 | 54.3714 | 54.7445 | 56.3291 |
| Al 308.215 | 5599.50 | 5549.17 | 5563.29 |
| As 188.980 | 119.065 | 114.733 | 116.016 |
| B 249.678 | 204.146 | 204.158 | 204.314 |
| Ba 389.178 | 111.864 | 112.303 | 111.144 |
| Be 313.042 | 57.7176 | 57.4333 | 57.1844 |
| Ca 370.602 | 23517 | 23359 | 23358 |
| Cd 226.502 | 57.1096 | 57.4463 | 57.5402 |
| Co 228.615 | 57.3541 | 55.4716 | 56.6781 |
| Cr 267.716 | 112.847 | 112.078 | 111.952 |
| Cu 324.754 | 110.550 | 111.718 | 111.866 |
| Fe 271.441 | 6236.90 | 6231.28 | 6227.49 |
| K 766.491 | 6812.93 | 6778.84 | 6732.79 |
| Mg 279.078 | 10395.8 | 10381.4 | 10336.9 |
| Mn 257.610 | 1023.47 | 1021.05 | 1018.79 |
| Mo 202.032 | 105.899 | 103.821 | 105.100 |
| Na 330.237 | 16770.2 | 16513.6 | 16773.5 |
| Ni 231.604 | 111.428 | 111.320 | 111.887 |
| Pb 220.353 | 55.2098 | 51.0924 | 58.7509 |
| Sb 206.834 | 52.8564 | 54.4203 | 50.7048 |
| Se 196.026 | 114.700 | 111.513 | 109.493 |
| Sn 189.925 | 215.064 | 214.967 | 211.231 |
| Sr 216.596 | 218.250 | 215.886 | 218.103 |
| Ti 334.941 | 105.808 | 105.183 | 105.019 |
| Tl 190.794 | 42.3268 | 38.0660 | 43.7999 |
| V 292.401 | 107.965 | 107.899 | 107.891 |
| Zn 206.200 | 114.141 | 111.016 | 114.804 |

| Label | Sol'n Conc. | Units | SD | %RSD | Int. (c/s) |
|------------|-------------|-------|---------|------|------------|
| Ag 328.068 | 55.1483 | ppb | 1.0394 | 1.9 | 3574.41 |
| Al 308.215 | 5570.65 | ppb | 25.9578 | 0.5 | 10762.0 |
| As 188.980 | 116.605 | ppb | 2.2250 | 1.9 | 38.0087 |
| B 249.678 | 204.206 | ppb | 0.0933 | 0.0 | 2661.76 |
| Ba 389.178 | 111.770 | ppb | 0.5851 | 0.5 | 2035.44 |
| Be 313.042 | 57.4451 | ppb | 0.2668 | 0.5 | 88342.6 |
| Ca 370.602 | 23411 | ppb | 91.43 | 0.4 | 55029 |
| Cd 226.502 | 57.3654 | ppb | 0.2264 | 0.4 | 1799.08 |
| Co 228.615 | 56.5012 | ppb | 0.9536 | 1.7 | 479.942 |
| Cr 267.716 | 112.292 | ppb | 0.4844 | 0.4 | 3069.45 |
| Cu 324.754 | 111.378 | ppb | 0.7209 | 0.6 | 5338.62 |
| Fe 271.441 | 6231.89 | ppb | 4.7351 | 0.1 | 9080.76 |
| K 766.491 | 6774.86 | ppb | 40.2175 | 0.6 | 184428 |
| Mg 279.078 | 10371.4 | ppb | 30.6815 | 0.3 | 18816.4 |
| Mn 257.610 | 1021.11 | ppb | 2.3381 | 0.2 | 211104 |
| Mo 202.032 | 104.940 | ppb | 1.0480 | 1.0 | 674.608 |
| Na 330.237 | 16685.8 | ppb | 149.130 | 0.9 | 709.727 |
| Ni 231.604 | 111.545 | ppb | 0.3014 | 0.3 | 249.753 |
| Pb 220.353 | 55.0177 | ppb | 3.8329 | 7.0 | 104.411 |
| Sb 206.834 | 52.6605 | ppb | 1.8655 | 3.5 | 47.2183 |
| Se 196.026 | 111.902 | ppb | 2.6254 | 2.3 | 58.0588 |
| Sn 189.925 | 213.754 | ppb | 2.1851 | 1.0 | 127.768 |
| Sr 216.596 | 217.413 | ppb | 1.3245 | 0.6 | 1870.87 |
| Ti 334.941 | 105.337 | ppb | 0.4165 | 0.4 | 22943.1 |
| Tl 190.794 | 41.3976 | ppb | 2.9778 | 7.2 | 22.2792 |
| V 292.401 | 107.918 | ppb | 0.0407 | 0.0 | 2458.54 |
| Zn 206.200 | 113.320 | ppb | 2.0229 | 1.8 | 107.483 |

680-89586-d-3-c msd (Samp) 4/25/2013, 6:38:51 AM Rack 3, Tube 41

Weight: 1 Volume: 1 Dilution: 1

| Label | Replicates Concentration | | |
|------------|--------------------------|---------|---------|
| Ag 328.068 | 53.9618 | 51.7473 | 52.0638 |
| Al 308.215 | 5554.16 | 5506.22 | 5532.39 |
| As 188.980 | 114.567 | 117.334 | 119.547 |
| B 249.678 | 196.221 | 195.205 | 196.077 |
| Ba 389.178 | 111.962 | 110.609 | 113.212 |
| Be 313.042 | 57.4115 | 56.7878 | 56.7763 |
| Ca 370.602 | 24545 | 24253 | 24349 |
| Cd 226.502 | 56.9454 | 56.4552 | 56.6537 |
| Co 228.615 | 55.6087 | 55.2804 | 56.6804 |
| Cr 267.716 | 110.755 | 110.835 | 110.646 |
| Cu 324.754 | 111.345 | 109.635 | 109.968 |
| Fe 271.441 | 6265.41 | 6203.19 | 6218.59 |
| K 766.491 | 6856.85 | 6764.26 | 6757.38 |
| Mg 279.078 | 10648.8 | 10570.1 | 10581.7 |
| Mn 257.610 | 1047.55 | 1037.65 | 1037.29 |
| Mo 202.032 | 104.164 | 102.637 | 105.055 |
| Na 330.237 | 17513.2 | 17388.9 | 17215.5 |
| Ni 231.604 | 112.813 | 110.032 | 109.346 |
| Pb 220.353 | 55.1018 | 52.1561 | 49.1521 |
| Sb 206.834 | 47.9735 | 55.9175 | 61.0024 |
| Se 196.026 | 112.112 | 110.031 | 110.927 |
| Sn 189.925 | 209.846 | 212.302 | 207.805 |
| Sr 216.596 | 222.629 | 222.157 | 222.816 |
| Ti 334.941 | 105.044 | 103.955 | 104.083 |
| Tl 190.794 | 40.8301 | 38.5337 | 38.3150 |
| V 292.401 | 108.132 | 106.654 | 106.581 |
| Zn 206.200 | 117.806 | 112.689 | 111.551 |

| Label | Sol'n Conc. | Units | SD | %RSD | Int. (c/s) |
|------------|-------------|-------|---------|------|------------|
| Ag 328.068 | 52.5910 | ppb | 1.1977 | 2.3 | 3406.96 |
| Al 308.215 | 5530.93 | ppb | 24.0056 | 0.4 | 10685.0 |
| As 188.980 | 117.149 | ppb | 2.4955 | 2.1 | 38.2353 |
| B 249.678 | 195.834 | ppb | 0.5497 | 0.3 | 2572.04 |
| Ba 389.178 | 111.927 | ppb | 1.3018 | 1.2 | 2038.78 |
| Be 313.042 | 56.9919 | ppb | 0.3634 | 0.6 | 87643.4 |
| Ca 370.602 | 24382 | ppb | 148.4 | 0.6 | 57326 |
| Cd 226.502 | 56.6847 | ppb | 0.2466 | 0.4 | 1778.37 |
| Co 228.615 | 55.8565 | ppb | 0.7322 | 1.3 | 474.384 |
| Cr 267.716 | 110.745 | ppb | 0.0949 | 0.1 | 3026.87 |
| Cu 324.754 | 110.316 | ppb | 0.9064 | 0.8 | 5289.10 |
| Fe 271.441 | 6229.07 | ppb | 32.4037 | 0.5 | 9076.54 |
| K 766.491 | 6792.83 | ppb | 55.5502 | 0.8 | 184917 |
| Mg 279.078 | 10600.2 | ppb | 42.4892 | 0.4 | 19230.9 |
| Mn 257.610 | 1040.83 | ppb | 5.8219 | 0.6 | 215181 |
| Mo 202.032 | 103.952 | ppb | 1.2233 | 1.2 | 668.448 |
| Na 330.237 | 17372.5 | ppb | 149.520 | 0.9 | 736.651 |
| Ni 231.604 | 110.730 | ppb | 1.8357 | 1.7 | 247.875 |
| Pb 220.353 | 52.1366 | ppb | 2.9749 | 5.7 | 100.692 |
| Sb 206.834 | 54.9645 | ppb | 6.5665 | 11.9 | 49.3036 |
| Se 196.026 | 111.023 | ppb | 1.0438 | 0.9 | 57.6831 |
| Sn 189.925 | 209.984 | ppb | 2.2515 | 1.1 | 125.372 |
| Sr 216.596 | 222.534 | ppb | 0.3397 | 0.2 | 1914.56 |
| Ti 334.941 | 104.361 | ppb | 0.5952 | 0.6 | 22731.3 |
| Tl 190.794 | 39.2262 | ppb | 1.3933 | 3.6 | 20.4652 |
| V 292.401 | 107.123 | ppb | 0.8752 | 0.8 | 2440.44 |
| Zn 206.200 | 114.015 | ppb | 3.3321 | 2.9 | 109.135 |

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

X (Samp) 4/25/2013, 6:44:28 AM Rack 3, Tube 42**Weight: 1** Volume: 1 Dilution: 1

| Label | Replicates Concentration | | |
|------------|--------------------------|-----------|-----------|
| Ag 328.068 | 0.0887 | -0.1631u | -0.0872u |
| Al 308.215 | -0.8728u | -0.2049u | -1.6919u |
| As 188.980 | 0.8582 | -0.4957u | 6.8694 |
| B 249.678 | -25.2123u | -25.3773u | -27.3566u |
| Ba 389.178 | 0.6164 | 0.5407 | 1.6189 |
| Be 313.042 | -0.0017u | -0.0100u | -0.0163u |
| Ca 370.602 | 4.358 | 0.2700 | 4.254 |
| Cd 226.502 | -0.2380u | -0.1275u | -0.1747u |
| Co 228.615 | -0.6541u | 1.5420 | 0.0392 |
| Cr 267.716 | 0.1894 | 0.1852 | 0.1631 |
| Cu 324.754 | -0.3025u | 0.1370 | -0.7445u |
| Fe 271.441 | 6.1753 | -2.9930u | -1.4745u |
| K 766.491 | 0.2598 | -0.0743u | 1.0347 |
| Mg 279.078 | 2.2360 | 5.4339 | 0.4460 |
| Mn 257.610 | -0.0910u | 0.5061 | -0.0723u |
| Mo 202.032 | -0.6974u | -0.3356u | -0.5068u |
| Na 330.237 | -10.0772u | 143.830 | -86.2239u |
| Ni 231.604 | -0.2801u | 0.8321 | 0.1654 |
| Pb 220.353 | -1.7920u | -0.9801u | -0.6430u |
| Sb 206.834 | 1.5765 | 0.0641 | -4.3854u |
| Se 196.026 | -0.2923u | 3.8921 | -1.8738u |
| Sn 189.925 | -3.8691u | 0.6434 | 4.9153 |
| Sr 216.596 | -0.0255u | -0.0583u | -0.4366u |
| Ti 334.941 | -0.1272u | -0.0801u | -0.0808u |
| Tl 190.794 | -6.5216u | -2.6736u | -0.0683u |
| V 292.401 | -0.4961u | -0.2380u | -0.4632u |
| Zn 206.200 | -0.9781u | -2.0396u | 1.5723 |

| Label | Sol'n Conc. | Units | SD | %RSD | Int. (c/s) |
|------------|-------------|-------|---------|-------|------------|
| Ag 328.068 | -0.0539 | ppb | 0.1292 | 239.8 | -32.5479 |
| Al 308.215 | -0.9232 | ppb | 0.7448 | 80.7 | -34.5390 |
| As 188.980 | 2.4106 | ppb | 3.9203 | 162.6 | -9.4860 |
| B 249.678 | -25.9821 | ppb | 1.1932 | 4.6 | 201.375 |
| Ba 389.178 | 0.9253 | ppb | 0.6018 | 65.0 | -14.8938 |
| Be 313.042 | -0.0093 | ppb | 0.0073 | 78.2 | -332.027 |
| Ca 370.602 | 2.961 | ppb | 2.331 | 78.7 | 4.242 |
| Cd 226.502 | -0.1801 | ppb | 0.0555 | 30.8 | 29.3669 |
| Co 228.615 | 0.3090 | ppb | 1.1226 | 363.3 | -4.7195 |
| Cr 267.716 | 0.1793 | ppb | 0.0141 | 7.9 | -23.0527 |
| Cu 324.754 | -0.3033 | ppb | 0.4407 | 145.3 | 130.503 |
| Fe 271.441 | 0.5693 | ppb | 4.9140 | 863.2 | 28.9378 |
| K 766.491 | 0.4067 | ppb | 0.5689 | 139.9 | 203.429 |
| Mg 279.078 | 2.7053 | ppb | 2.5268 | 93.4 | 38.0166 |
| Mn 257.610 | 0.1143 | ppb | 0.3394 | 297.1 | 73.6297 |
| Mo 202.032 | -0.5133 | ppb | 0.1810 | 35.3 | 17.5054 |
| Na 330.237 | 15.8431 | ppb | 117.197 | 739.7 | 59.0539 |
| Ni 231.604 | 0.2391 | ppb | 0.5598 | 234.1 | -6.9518 |
| Pb 220.353 | -1.1384 | ppb | 0.5906 | 51.9 | 31.8988 |
| Sb 206.834 | -0.9149 | ppb | 3.0992 | 338.7 | -1.4517 |
| Se 196.026 | 0.5754 | ppb | 2.9792 | 517.8 | 9.6533 |
| Sn 189.925 | 0.5632 | ppb | 4.3928 | 780.0 | -7.7658 |
| Sr 216.596 | -0.1735 | ppb | 0.2285 | 131.7 | 20.3082 |
| Ti 334.941 | -0.0960 | ppb | 0.0270 | 28.1 | -48.6188 |
| Tl 190.794 | -3.0878 | ppb | 3.2465 | 105.1 | -12.9255 |
| V 292.401 | -0.3991 | ppb | 0.1405 | 35.2 | -15.9718 |
| Zn 206.200 | -0.4818 | ppb | 1.8564 | 385.3 | 2.2502 |

CRI (Samp) 4/25/2013, 6:50:05 AM **Rack 3, Tube 43**
Weight: 1 **Volume: 1** **Dilution: 1**

| Label | Replicates Concentration | | |
|------------|--------------------------|---------|---------|
| Ag 328.068 | 11.2663 | 11.4026 | 10.5580 |
| Al 308.215 | 234.824 | 238.084 | 237.023 |
| As 188.980 | 18.2712 | 32.1215 | 23.0324 |
| B 249.678 | 80.4651 | 82.1344 | 80.7248 |
| Ba 389.178 | 11.4106 | 11.2642 | 11.0459 |
| Be 313.042 | 4.8781 | 4.8428 | 4.8603 |
| Ca 370.602 | 563.1 | 562.1 | 558.2 |
| Cd 226.502 | 5.9143 | 5.9079 | 5.8472 |
| Co 228.615 | 11.7617 | 11.2347 | 11.7104 |
| Cr 267.716 | 11.8323 | 11.7239 | 11.4537 |
| Cu 324.754 | 22.9558 | 23.6965 | 23.7022 |
| Fe 271.441 | 51.0778 | 65.2622 | 56.4047 |
| K 766.491 | 1106.03 | 1101.36 | 1099.06 |
| Mg 279.078 | 583.123 | 575.889 | 589.164 |
| Mn 257.610 | 12.1674 | 12.1209 | 12.2057 |
| Mo 202.032 | 10.6479 | 10.5805 | 10.6633 |
| Na 330.237 | 877.104 | 1053.19 | 1101.74 |
| Ni 231.604 | 48.3771 | 48.4115 | 47.3071 |
| Pb 220.353 | 11.8929 | 8.6016 | 14.8314 |
| Sb 206.834 | 17.9019 | 20.1811 | 22.6926 |
| Se 196.026 | 31.8950 | 7.4024 | 15.8031 |
| Sn 189.925 | 53.8437 | 53.7994 | 55.9243 |
| Sr 216.596 | 10.7763 | 11.8440 | 11.3447 |
| Ti 334.941 | 10.8868 | 10.8880 | 10.8073 |
| Tl 190.794 | 19.2936 | 18.3767 | 22.6872 |
| V 292.401 | 11.0642 | 11.4603 | 11.3557 |
| Zn 206.200 | 26.6210 | 27.6184 | 28.0172 |

| Label | Sol'n Conc. | Units | SD | %RSD | Int. (c/s) |
|------------|-------------|-------|---------|------|------------|
| Ag 328.068 | 11.0756 | ppb | 0.4534 | 4.1 | 695.331 |
| Al 308.215 | 236.643 | ppb | 1.6628 | 0.7 | 426.055 |
| As 188.980 | 24.4750 | ppb | 7.0370 | 28.8 | -0.3150 |
| B 249.678 | 81.1081 | ppb | 0.8982 | 1.1 | 1349.06 |
| Ba 389.178 | 11.2402 | ppb | 0.1836 | 1.6 | 174.537 |
| Be 313.042 | 4.8604 | ppb | 0.0177 | 0.4 | 7183.19 |
| Ca 370.602 | 561.1 | ppb | 2.582 | 0.5 | 1323 |
| Cd 226.502 | 5.8898 | ppb | 0.0370 | 0.6 | 214.164 |
| Co 228.615 | 11.5689 | ppb | 0.2906 | 2.5 | 92.4565 |
| Cr 267.716 | 11.6700 | ppb | 0.1949 | 1.7 | 293.583 |
| Cu 324.754 | 23.4515 | ppb | 0.4293 | 1.8 | 1237.74 |
| Fe 271.441 | 57.5816 | ppb | 7.1650 | 12.4 | 113.350 |
| K 766.491 | 1102.15 | ppb | 3.5529 | 0.3 | 30164.3 |
| Mg 279.078 | 582.725 | ppb | 6.6464 | 1.1 | 1089.07 |
| Mn 257.610 | 12.1646 | ppb | 0.0424 | 0.3 | 2566.70 |
| Mo 202.032 | 10.6306 | ppb | 0.0440 | 0.4 | 86.9706 |
| Na 330.237 | 1010.68 | ppb | 118.200 | 11.7 | 97.8121 |
| Ni 231.604 | 48.0319 | ppb | 0.6280 | 1.3 | 103.224 |
| Pb 220.353 | 11.7753 | ppb | 3.1166 | 26.5 | 48.5701 |
| Sb 206.834 | 20.2585 | ppb | 2.3963 | 11.8 | 17.6928 |
| Se 196.026 | 18.3668 | ppb | 12.4459 | 67.8 | 17.3516 |
| Sn 189.925 | 54.5225 | ppb | 1.2142 | 2.2 | 26.5356 |
| Sr 216.596 | 11.3216 | ppb | 0.5343 | 4.7 | 117.210 |
| Ti 334.941 | 10.8607 | ppb | 0.0462 | 0.4 | 2338.94 |
| Tl 190.794 | 20.1192 | ppb | 2.2708 | 11.3 | 6.1945 |
| V 292.401 | 11.2934 | ppb | 0.2052 | 1.8 | 251.252 |
| Zn 206.200 | 27.4189 | ppb | 0.7191 | 2.6 | 283242 |

680-89328-b-8-a (Samp) 4/25/2013, 6:55:42 AM Rack 3, Tube 44
Weight: 1 Volume: 1 Dilution: 1

| Label | Replicates Concentration | | |
|------------|--------------------------|-----------|-----------|
| Ag 328.068 | -9.6117u | -9.1453u | -9.5232u |
| Al 308.215 | 147936 | 148624 | 148993 |
| As 188.980 | 346.594 | 354.609 | 338.839 |
| B 249.678 | -31.7630u | -31.0205u | -30.0654u |
| Ba 389.178 | 7075.73 | 7063.92 | 7060.04 |
| Be 313.042 | 22.9978 | 23.0041 | 22.9786 |
| Ca 370.602 | 124359 | 124315 | 124233 |
| Cd 226.502 | 26.0272 | 25.5594 | 24.8784 |
| Co 228.615 | 291.008 | 294.652 | 293.667 |
| Cr 267.716 | 878.421 | 882.511 | 883.115 |
| Cu 324.754 | 1450.34 | 1446.27 | 1444.31 |
| Fe 271.441 | 706916 | 709898 | 704294 |
| K 766.491 | 11224.2 | 11219.7 | 11192.3 |
| Mg 279.078 | 14782.2 | 14778.2 | 14783.7 |
| Mn 257.610 | 41329.5x | 41094.2x | 41200.4x |
| Mo 202.032 | 22.7830 | 22.2260 | 22.4410 |
| Na 330.237 | -1583.54u | -1661.36u | -1649.21u |
| Ni 231.604 | 265.642 | 261.913 | 264.953 |
| Pb 220.353 | 3641.06 | 3645.95 | 3643.50 |
| Sb 206.834 | 21.2035 | 28.3823 | 22.9449 |
| Se 196.026 | -0.5760 | -6.4251 | -0.6539 |
| Sn 189.925 | 108.397 | 111.932 | 103.052 |
| Sr 216.596 | 376.833 | 377.501 | 375.446 |
| Ti 334.941 | 2167.43 | 2150.18 | 2173.11 |
| Tl 190.794 | 60.3907u | 59.1618u | 58.3073u |
| V 292.401 | 753.600 | 750.790 | 748.754 |
| Zn 206.200 | 13192.2 | 13136.0 | 13087.8 |

| Label | Sol'n Conc. | Units | SD | %RSD | Int. (c/s) |
|------------|-------------|-------|---------|-------|------------|
| Ag 328.068 | -9.4268b | ppb | 0.2477 | 2.6 | -586.249 |
| Al 308.215 | 148517b | ppb | 536.578 | 0.4 | 287649 |
| As 188.980 | 346.681b | ppb | 7.8854 | 2.3 | 138.282 |
| B 249.678 | -30.9496b | ppb | 0.8510 | 2.7 | -608.798 |
| Ba 389.178 | 7066.56b | ppb | 8.1715 | 0.1 | 129656 |
| Be 313.042 | 22.9935b | ppb | 0.0133 | 0.1 | 35172.4 |
| Ca 370.602 | 124302b | ppb | 63.99 | 0.1 | 252340 |
| Cd 226.502 | 25.4884b | ppb | 0.5777 | 2.3 | 3022.11 |
| Co 228.615 | 293.109b | ppb | 1.8854 | 0.6 | 2549.51 |
| Cr 267.716 | 881.349b | ppb | 2.5535 | 0.3 | 24458.0 |
| Cu 324.754 | 1446.97b | ppb | 3.0754 | 0.2 | 67766.8 |
| Fe 271.441 | 707036b | ppb | 2804.12 | 0.4 | 1026185 |
| K 766.491 | 11212.1b | ppb | 17.3004 | 0.2 | 305093 |
| Mg 279.078 | 14781.4b | ppb | 2.8581 | 0.0 | 26330.6 |
| Mn 257.610 | 41208.0xb | ppb | 117.817 | 0.3 | 8516401 |
| Mo 202.032 | 22.4833b | ppb | 0.2809 | 1.2 | 129.155 |
| Na 330.237 | -1631.37b | ppb | 41.8654 | 2.6 | -255.392 |
| Ni 231.604 | 264.169b | ppb | 1.9839 | 0.8 | 614.431 |
| Pb 220.353 | 3643.50b | ppb | 2.4460 | 0.1 | 4746.67 |
| Sb 206.834 | 24.1769b | ppb | 3.7446 | 15.5 | 43.5150 |
| Se 196.026 | -2.5516b | ppb | 3.3547 | 131.5 | 20.8432 |
| Sn 189.925 | 107.794b | ppb | 4.4704 | 4.1 | 60.4241 |
| Sr 216.596 | 376.593b | ppb | 1.0480 | 0.3 | 3460.32 |
| Ti 334.941 | 2163.57b | ppb | 11.9415 | 0.6 | 471155 |
| Tl 190.794 | 59.2866b | ppb | 1.0473 | 1.8 | -40.8586 |
| V 292.401 | 751.048b | ppb | 2.4332 | 0.3 | 17282.2 |
| Zn 206.200 | 13138.7b | ppb | 52.2230 | 0.4 | 12289.7 |

680-89328-b-8-aSD^5 (Samp) 4/25/2013, 7:01:19 AM Rack 3, Tube 45

Weight: 1 Volume: 1 Dilution: 1

| Label | Replicates Concentration | | |
|------------|--------------------------|-----------|-----------|
| Ag 328.068 | -2.1786u | -2.8687u | -2.6894u |
| Al 308.215 | 32337.1 | 32134.6 | 31835.6 |
| As 188.980 | 77.2765 | 69.2365 | 74.6440 |
| B 249.678 | -31.7036u | -33.1521u | -33.8308u |
| Ba 389.178 | 1583.91 | 1568.13 | 1553.59 |
| Be 313.042 | 5.1376 | 5.0844 | 5.0344 |
| Ca 370.602 | 27568 | 27364 | 27140 |
| Cd 226.502 | 4.8906 | 4.5682 | 4.3634 |
| Co 228.615 | 66.9135 | 65.7076 | 65.1804 |
| Cr 267.716 | 196.705 | 195.765 | 194.324 |
| Cu 324.754 | 301.358 | 307.884 | 304.328 |
| Fe 271.441 | 162714 | 161316 | 159683 |
| K 766.491 | 2150.35 | 2132.34 | 2108.02 |
| Mg 279.078 | 3397.07 | 3360.76 | 3330.28 |
| Mn 257.610 | 10399.5 | 10320.6 | 10195.8 |
| Mo 202.032 | 3.7318 | 4.3776 | 4.0779 |
| Na 330.237 | -315.255u | -393.181u | -437.852u |
| Ni 231.604 | 60.1671 | 58.8358 | 58.1321 |
| Pb 220.353 | 819.992 | 832.523 | 819.744 |
| Sb 206.834 | 0.3340 | 2.0375 | 6.5193 |
| Se 196.026 | 5.2623 | -0.4432 | 3.8455 |
| Sn 189.925 | 28.1649 | 22.7323 | 24.8355 |
| Sr 216.596 | 84.8938 | 85.2019 | 84.2774 |
| Ti 334.941 | 480.332 | 477.010 | 472.481 |
| Tl 190.794 | 8.3735u | 12.5104u | 11.9723u |
| V 292.401 | 168.175 | 166.946 | 164.727 |
| Zn 206.200 | 3036.53 | 2999.06 | 2957.33 |

| Label | Sol'n Conc. | Units | SD | %RSD | Int. (c/s) |
|------------|-------------|-------|---------|-------|------------|
| Ag 328.068 | -2.5789 | ppb | 0.3581 | 13.9 | -180.485 |
| Al 308.215 | 32102.4 | ppb | 252.294 | 0.8 | 62150.3 |
| As 188.980 | 73.7190 | ppb | 4.0991 | 5.6 | 21.2178 |
| B 249.678 | -32.8955 | ppb | 1.0866 | 3.3 | -45.2571 |
| Ba 389.178 | 1568.54 | ppb | 15.1665 | 1.0 | 28759.4 |
| Be 313.042 | 5.0855 | ppb | 0.0516 | 1.0 | 7531.49 |
| Ca 370.602 | 27357 | ppb | 214.3 | 0.8 | 55224 |
| Cd 226.502 | 4.6074 | ppb | 0.2658 | 5.8 | 679.192 |
| Co 228.615 | 65.9338 | ppb | 0.8884 | 1.3 | 567.536 |
| Cr 267.716 | 195.598 | ppb | 1.1991 | 0.6 | 5409.64 |
| Cu 324.754 | 304.523 | ppb | 3.2672 | 1.1 | 14379.4 |
| Fe 271.441 | 161238 | ppb | 1516.86 | 0.9 | 234040 |
| K 766.491 | 2130.24 | ppb | 21.2426 | 1.0 | 58122.1 |
| Mg 279.078 | 3362.70 | ppb | 33.4371 | 1.0 | 6003.31 |
| Mn 257.610 | 10305.3 | ppb | 102.703 | 1.0 | 2129778 |
| Mo 202.032 | 4.0624 | ppb | 0.3232 | 8.0 | 38.8080 |
| Na 330.237 | -382.096 | ppb | 62.0455 | 16.2 | -13.4087 |
| Ni 231.604 | 59.0450 | ppb | 1.0335 | 1.8 | 131.563 |
| Pb 220.353 | 824.086 | ppb | 7.3075 | 0.9 | 1099.61 |
| Sb 206.834 | 2.9636 | ppb | 3.1950 | 107.8 | 7.0951 |
| Se 196.026 | 2.8882 | ppb | 2.9708 | 102.9 | 13.7099 |
| Sn 189.925 | 25.2442 | ppb | 2.7393 | 10.9 | 7.9291 |
| Sr 216.596 | 84.7910 | ppb | 0.4707 | 0.6 | 796.638 |
| Ti 334.941 | 476.608 | ppb | 3.9408 | 0.8 | 103769 |
| Tl 190.794 | 10.9521 | ppb | 2.2492 | 20.5 | -20.5437 |
| V 292.401 | 166.616 | ppb | 1.7476 | 1.0 | 3828.77 |
| Zn 206.200 | 2997.64 | ppb | 39.6195 | 1.3 | 2896.04 |

680-89328-b-8-aPDS (Samp) 4/25/2013, 7:06:56 AM Rack 3, Tube 46

Weight: 1 Volume: 1 Dilution: 1

| Label | Replicates Concentration | | |
|------------|--------------------------|----------|----------|
| Ag 328.068 | 45.5203 | 45.4992 | 44.7414 |
| Al 308.215 | 147681 | 148802 | 148955 |
| As 188.980 | 2637.34 | 2660.97 | 2634.39 |
| B 249.678 | 1073.94 | 1078.60 | 1082.90 |
| Ba 389.178 | 9081.26 | 9082.63 | 9093.42 |
| Be 313.042 | 78.6308 | 78.6489 | 78.7063 |
| Ca 370.602 | 127458 | 127521 | 127508 |
| Cd 226.502 | 79.4556 | 78.7080 | 79.1547 |
| Co 228.615 | 831.850 | 843.171 | 826.809 |
| Cr 267.716 | 1081.31 | 1085.69 | 1086.99 |
| Cu 324.754 | 1707.03 | 1710.83 | 1679.27 |
| Fe 271.441 | 694895 | 692412 | 693661 |
| K 766.491 | 17701.5 | 17717.5 | 17729.6 |
| Mg 279.078 | 19893.8 | 19862.0 | 19868.2 |
| Mn 257.610 | 40772.6x | 40911.2x | 40979.1x |
| Mo 202.032 | 558.315 | 559.548 | 560.252 |
| Na 330.237 | 4098.10u | 4175.68u | 4740.49u |
| Ni 231.604 | 807.877 | 806.026 | 809.766 |
| Pb 220.353 | 4096.42 | 4091.23 | 4101.35 |
| Sb 206.834 | 537.775 | 535.777 | 539.518 |
| Se 196.026 | 2197.63 | 2209.33 | 2209.30 |
| Sn 189.925 | 1165.95 | 1167.20 | 1169.70 |
| Sr 216.596 | 904.598 | 907.611 | 909.687 |
| Ti 334.941 | 3117.35 | 3123.52 | 3123.58 |
| Tl 190.794 | 2126.05 | 2115.04 | 2114.29 |
| V 292.401 | 1272.74 | 1272.14 | 1274.94 |
| Zn 206.200 | 13484.3 | 13435.4 | 13423.1 |

| Label | Sol'n Conc. | Units | SD | %RSD | Int. (c/s) |
|------------|-------------|-------|---------|------|------------|
| Ag 328.068 | 45.2536b | ppb | 0.4437 | 1.0 | 2973.92 |
| Al 308.215 | 148479b | ppb | 695.762 | 0.5 | 287596 |
| As 188.980 | 2644.23b | ppb | 14.5734 | 0.6 | 1093.23 |
| B 249.678 | 1078.48b | ppb | 4.4834 | 0.4 | 11296.1 |
| Ba 389.178 | 9085.77b | ppb | 6.6622 | 0.1 | 166476 |
| Be 313.042 | 78.6620b | ppb | 0.0394 | 0.1 | 121017 |
| Ca 370.602 | 127495b | ppb | 32.98 | 0.0 | 260845 |
| Cd 226.502 | 79.1061b | ppb | 0.3762 | 0.5 | 4610.30 |
| Co 228.615 | 833.943b | ppb | 8.3796 | 1.0 | 7225.27 |
| Cr 267.716 | 1084.66b | ppb | 2.9761 | 0.3 | 30056.4 |
| Cu 324.754 | 1699.04b | ppb | 17.2291 | 1.0 | 79519.2 |
| Fe 271.441 | 693656b | ppb | 1241.60 | 0.2 | 1006842 |
| K 766.491 | 17716.2b | ppb | 14.1132 | 0.1 | 481967 |
| Mg 279.078 | 19874.7b | ppb | 16.8574 | 0.1 | 35564.4 |
| Mn 257.610 | 40887.6xb | ppb | 105.274 | 0.3 | 8450194 |
| Mo 202.032 | 559.372b | ppb | 0.9806 | 0.2 | 3476.63 |
| Na 330.237 | 4338.09b | ppb | 350.641 | 8.1 | -25.6723 |
| Ni 231.604 | 807.890b | ppb | 1.8701 | 0.2 | 1867.60 |
| Pb 220.353 | 4096.33b | ppb | 5.0577 | 0.1 | 5330.82 |
| Sb 206.834 | 537.690b | ppb | 1.8719 | 0.3 | 502.915 |
| Se 196.026 | 2205.42b | ppb | 6.7448 | 0.3 | 975.729 |
| Sn 189.925 | 1167.61b | ppb | 1.9104 | 0.2 | 734.137 |
| Sr 216.596 | 907.299b | ppb | 2.5588 | 0.3 | 7948.53 |
| Ti 334.941 | 3121.49b | ppb | 3.5821 | 0.1 | 679733 |
| Tl 190.794 | 2118.46b | ppb | 6.5819 | 0.3 | 1657.87 |
| V 292.401 | 1273.27b | ppb | 1.4737 | 0.1 | 29231.5 |
| Zn 206.200 | 13447.6b | ppb | 32.3433 | 0.2 | 12578.3 |

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

680-89328-b-8-b ms (Samp) 4/25/2013, 7:12:33 AM Rack 3, Tube 47

Weight: 1

Volume: 1

Dilution: 1

| Label | Replicates Concentration | | |
|------------|--------------------------|----------|----------|
| Ag 328.068 | 10.1713 | 9.0898 | 9.7833 |
| Al 308.215 | 152978 | 152035 | 152106 |
| As 188.980 | 397.810 | 371.733 | 376.416 |
| B 249.678 | 173.717 | 172.848 | 171.308 |
| Ba 389.178 | 5841.09 | 5830.03 | 5822.50 |
| Be 313.042 | 75.9284 | 75.6740 | 75.6085 |
| Ca 370.602 | 132416 | 132095 | 132114 |
| Cd 226.502 | 81.8322 | 80.6240 | 80.8004 |
| Co 228.615 | 390.162 | 390.686 | 391.272 |
| Cr 267.716 | 1101.33 | 1098.76 | 1099.13 |
| Cu 324.754 | 1702.38 | 1691.96 | 1685.20 |
| Fe 271.441 | 593076 | 592350 | 590948 |
| K 766.491 | 17018.0 | 16927.2 | 16922.0 |
| Mg 279.078 | 18770.7 | 18708.5 | 18671.5 |
| Mn 257.610 | 42313.2x | 42012.3x | 42008.5x |
| Mo 202.032 | 117.018 | 119.134 | 116.683 |
| Na 330.237 | 4270.22u | 4021.59u | 4257.86u |
| Ni 231.604 | 366.908 | 368.310 | 364.498 |
| Pb 220.353 | 3401.32 | 3401.74 | 3403.71 |
| Sb 206.834 | 208.767 | 193.905 | 201.968 |
| Se 196.026 | 84.4322 | 81.1249 | 86.4544 |
| Sn 189.925 | 447.037 | 440.764 | 439.530 |
| Sr 216.596 | 529.697 | 527.272 | 528.678 |
| Ti 334.941 | 2209.32 | 2197.60 | 2197.82 |
| Tl 190.794 | 99.2710 | 93.6726 | 102.820 |
| V 292.401 | 776.738 | 771.806 | 773.015 |
| Zn 206.200 | 11391.9 | 11338.4 | 11247.5 |

| Label | Sol'n Conc. | Units | SD | %RSD | Int. (c/s) |
|------------|-------------|-------|---------|------|------------|
| Ag 328.068 | 9.6815b | ppb | 0.5479 | 5.7 | 677.005 |
| Al 308.215 | 152373b | ppb | 524.799 | 0.3 | 295121 |
| As 188.980 | 381.986b | ppb | 13.9022 | 3.6 | 152.186 |
| B 249.678 | 172.624b | ppb | 1.2197 | 0.7 | 1695.96 |
| Ba 389.178 | 5831.20b | ppb | 9.3505 | 0.2 | 107008 |
| Be 313.042 | 75.7370b | ppb | 0.1690 | 0.2 | 116578 |
| Ca 370.602 | 132208b | ppb | 180.0 | 0.1 | 278018 |
| Cd 226.502 | 81.0855b | ppb | 0.6526 | 0.8 | 4353.81 |
| Co 228.615 | 390.707b | ppb | 0.5556 | 0.1 | 3393.91 |
| Cr 267.716 | 1099.74b | ppb | 1.3858 | 0.1 | 30463.1 |
| Cu 324.754 | 1693.18b | ppb | 8.6505 | 0.5 | 79211.4 |
| Fe 271.441 | 592125b | ppb | 1081.71 | 0.2 | 859429 |
| K 766.491 | 16955.7b | ppb | 53.9754 | 0.3 | 461286 |
| Mg 279.078 | 18716.9b | ppb | 50.1449 | 0.3 | 33432.2 |
| Mn 257.610 | 42111.3xb | ppb | 174.838 | 0.4 | 8702785 |
| Mo 202.032 | 117.612b | ppb | 1.3291 | 1.1 | 727.243 |
| Na 330.237 | 4183.22b | ppb | 140.112 | 3.3 | 9.0227 |
| Ni 231.604 | 366.572b | ppb | 1.9283 | 0.5 | 848.401 |
| Pb 220.353 | 3402.26b | ppb | 1.2770 | 0.0 | 4434.81 |
| Sb 206.834 | 201.546b | ppb | 7.4400 | 3.7 | 202.592 |
| Se 196.026 | 84.0038b | ppb | 2.6905 | 3.2 | 57.8872 |
| Sn 189.925 | 442.444b | ppb | 4.0253 | 0.9 | 273.162 |
| Sr 216.596 | 528.549b | ppb | 1.2176 | 0.2 | 4712.53 |
| Ti 334.941 | 2201.58b | ppb | 6.7059 | 0.3 | 479434 |
| Tl 190.794 | 98.5878b | ppb | 4.6117 | 4.7 | -4.6653 |
| V 292.401 | 773.853b | ppb | 2.5707 | 0.3 | 17781.0 |
| Zn 206.200 | 11326.0b | ppb | 72.9988 | 0.6 | 10593.9 |

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

680-89328-b-8-c msd (Samp) 4/25/2013, 7:18:11 AM Rack 3, Tube 48

Weight: 1

Volume: 1

Dilution: 1

| Label | Replicates Concentration | | |
|------------|--------------------------|----------|----------|
| Ag 328.068 | 12.1702 | 12.3168 | 12.1624 |
| Al 308.215 | 152785 | 152328 | 152850 |
| As 188.980 | 461.839 | 455.073 | 469.033 |
| B 249.678 | 141.654 | 144.008 | 143.671 |
| Ba 389.178 | 5806.71 | 5803.40 | 5816.43 |
| Be 313.042 | 75.7783 | 75.6867 | 75.9226 |
| Ca 370.602 | 111522 | 111400 | 111449 |
| Cd 226.502 | 73.3821 | 73.8949 | 73.8256 |
| Co 228.615 | 376.706 | 377.300 | 379.073 |
| Cr 267.716 | 1449.08 | 1448.86 | 1450.23 |
| Cu 324.754 | 10320.4 | 10334.3 | 10262.3 |
| Fe 271.441 | 1086349x | 1082506x | 1085185x |
| K 766.491 | 17160.0 | 17160.1 | 17279.9 |
| Mg 279.078 | 18158.3 | 18148.3 | 18146.5 |
| Mn 257.610 | 30386.8x | 30326.4x | 30346.5x |
| Mo 202.032 | 121.650 | 120.193 | 120.520 |
| Na 330.237 | 4729.40u | 4631.97u | 4814.07u |
| Ni 231.604 | 410.115 | 412.386 | 412.464 |
| Pb 220.353 | 4658.24 | 4646.79 | 4657.41 |
| Sb 206.834 | 58.4058 | 74.0122 | 65.0863 |
| Se 196.026 | 84.3702 | 60.5652 | 67.9899 |
| Sn 189.925 | 1438.23 | 1438.68 | 1448.68 |
| Sr 216.596 | 481.733 | 480.963 | 482.126 |
| Ti 334.941 | 2228.26 | 2227.60 | 2239.36 |
| Tl 190.794 | 59.9101u | 63.9968u | 67.0093u |
| V 292.401 | 803.438 | 804.257 | 805.992 |
| Zn 206.200 | 11661.6 | 11700.6 | 11680.5 |

| Label | Sol'n Conc. | Units | SD | %RSD | Int. (c/s) |
|------------|-------------|-------|---------|------|------------|
| Ag 328.068 | 12.2165b | ppb | 0.0870 | 0.7 | 732.456 |
| Al 308.215 | 152654b | ppb | 284.589 | 0.2 | 295666 |
| As 188.980 | 461.981b | ppb | 6.9811 | 1.5 | 188.678 |
| B 249.678 | 143.111b | ppb | 1.2730 | 0.9 | 852.921 |
| Ba 389.178 | 5808.85b | ppb | 6.7696 | 0.1 | 107150 |
| Be 313.042 | 75.7959b | ppb | 0.1189 | 0.2 | 116656 |
| Ca 370.602 | 111457b | ppb | 61.23 | 0.1 | 198900 |
| Cd 226.502 | 73.7009b | ppb | 0.2782 | 0.4 | 5668.36 |
| Co 228.615 | 377.693b | ppb | 1.2316 | 0.3 | 3269.88 |
| Cr 267.716 | 1449.39b | ppb | 0.7337 | 0.1 | 40136.6 |
| Cu 324.754 | 10305.6b | ppb | 38.1825 | 0.4 | 480714 |
| Fe 271.441 | 1084680xb | ppb | 1970.66 | 0.2 | 1574266 |
| K 766.491 | 17200.0b | ppb | 69.1992 | 0.4 | 467931 |
| Mg 279.078 | 18151.0b | ppb | 6.3272 | 0.0 | 32645.3 |
| Mn 257.610 | 30353.2xb | ppb | 30.7664 | 0.1 | 6274494 |
| Mo 202.032 | 120.788b | ppb | 0.7648 | 0.6 | 725.758 |
| Na 330.237 | 4725.15b | ppb | 91.1286 | 1.9 | -84.7759 |
| Ni 231.604 | 411.655b | ppb | 1.3341 | 0.3 | 961.304 |
| Pb 220.353 | 4654.15b | ppb | 6.3842 | 0.1 | 6050.95 |
| Sb 206.834 | 65.8348b | ppb | 7.8300 | 11.9 | 93.4092 |
| Se 196.026 | 70.9751b | ppb | 12.1800 | 17.2 | 52.2359 |
| Sn 189.925 | 1441.86b | ppb | 5.9052 | 0.4 | 908.459 |
| Sr 216.596 | 481.607b | ppb | 0.5911 | 0.1 | 4469.76 |
| Ti 334.941 | 2231.74b | ppb | 6.6064 | 0.3 | 486043 |
| Tl 190.794 | 63.6387b | ppb | 3.5631 | 5.6 | -40.1270 |
| V 292.401 | 804.562b | ppb | 1.3037 | 0.2 | 18471.0 |
| Zn 206.200 | 11680.9b | ppb | 19.4882 | 0.2 | 10925.2 |

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

Cont Calib Verif (CCV) 4/25/2013, 7:23:48 AM Rack 4, Tube 1
 Weight: 1 Volume: 1 Dilution: 1

| Label | Replicates Concentration | | |
|------------|--------------------------|---------|---------|
| Ag 328.068 | 514.793 | 517.178 | 510.422 |
| Al 308.215 | 5169.22 | 5166.78 | 5174.05 |
| As 188.980 | 512.646 | 512.686 | 516.167 |
| B 249.678 | 523.843 | 529.432 | 529.692 |
| Ba 389.178 | 5267.50 | 5288.10 | 5293.09 |
| Be 313.042 | 553.417 | 560.929 | 556.406 |
| Ca 370.602 | 5195 | 5220 | 5205 |
| Cd 226.502 | 546.081 | 549.180 | 548.471 |
| Co 228.615 | 548.819 | 551.151 | 551.343 |
| Cr 267.716 | 5405.68 | 5416.40 | 5408.66 |
| Cu 324.754 | 5462.03 | 5396.30 | 5323.83 |
| Fe 271.441 | 5276.03 | 5293.53 | 5278.28 |
| K 766.491 | 10481.1 | 10553.8 | 10592.0 |
| Mg 279.078 | 5328.73 | 5355.10 | 5373.30 |
| Mn 257.610 | 5475.81 | 5524.30 | 5492.27 |
| Mo 202.032 | 514.813 | 519.272 | 517.913 |
| Na 330.237 | 7577.30 | 8027.15 | 7881.44 |
| Ni 231.604 | 2750.98 | 2770.19 | 2756.09 |
| Pb 220.353 | 519.708 | 523.209 | 516.886 |
| Sb 206.834 | 981.041 | 983.076 | 990.155 |
| Se 196.026 | 5341.94 | 5330.38 | 5367.76 |
| Sn 189.925 | 5305.21 | 5316.71 | 5278.95 |
| Sr 216.596 | 2627.11 | 2637.23 | 2626.23 |
| Ti 334.941 | 517.752 | 519.774 | 519.561 |
| Tl 190.794 | 5242.99 | 5273.97 | 5258.42 |
| V 292.401 | 5216.70 | 5236.92 | 5221.93 |
| Zn 206.200 | 2756.22 | 2787.71 | 2784.93 |

| Label | Sol'n Conc. | Units | SD | %RSD | Int. (c/s) | QC Value |
|------------|-------------|-------|---------|------|------------|------------|
| Ag 328.068 | 514.131 | ppb | 3.4265 | 0.7 | 33555.8 | 102.82617 |
| Al 308.215 | 5170.02 | ppb | 3.7006 | 0.1 | 9973.64 | 103.40034 |
| As 188.980 | 513.833 | ppb | 2.0214 | 0.4 | 203.064 | 102.76664 |
| B 249.678 | 527.656 | ppb | 3.3046 | 0.6 | 6129.30 | 21.10624Q |
| Ba 389.178 | 5282.90 | ppb | 13.5641 | 0.3 | 96335.0 | 105.65792 |
| Be 313.042 | 556.917 | ppb | 3.7817 | 0.7 | 859116 | 111.38346Q |
| Ca 370.602 | 5206 | ppb | 12.52 | 0.2 | 12211 | 104.12870 |
| Cd 226.502 | 547.911 | ppb | 1.6241 | 0.3 | 16715.6 | 109.58218 |
| Co 228.615 | 550.438 | ppb | 1.4049 | 0.3 | 4753.31 | 110.08757Q |
| Cr 267.716 | 5410.25 | ppb | 5.5290 | 0.1 | 149056 | 108.20494 |
| Cu 324.754 | 5394.05 | ppb | 69.1234 | 1.3 | 251490 | 107.88108 |
| Fe 271.441 | 5282.61 | ppb | 9.5194 | 0.2 | 7809.00 | 105.65223 |
| K 766.491 | 10542.3 | ppb | 56.3275 | 0.5 | 286879 | 105.42278 |
| Mg 279.078 | 5352.37 | ppb | 22.4082 | 0.4 | 9657.87 | 107.04747 |
| Mn 257.610 | 5497.46 | ppb | 24.6590 | 0.4 | 1135995 | 109.94914 |
| Mo 202.032 | 517.333 | ppb | 2.2856 | 0.4 | 3237.80 | 103.46661 |
| Na 330.237 | 7828.63 | ppb | 229.528 | 2.9 | 345.235 | 104.38172 |
| Ni 231.604 | 2759.09 | ppb | 9.9511 | 0.4 | 6353.03 | 110.36356Q |
| Pb 220.353 | 519.934 | ppb | 3.1678 | 0.6 | 705.354 | 103.98685 |
| Sb 206.834 | 984.757 | ppb | 4.7842 | 0.5 | 935.851 | 98.47573 |
| Se 196.026 | 5346.69 | ppb | 19.1389 | 0.4 | 2323.26 | 106.93388 |
| Sn 189.925 | 5300.29 | ppb | 19.3558 | 0.4 | 3361.18 | 106.00577 |
| Sr 216.596 | 2630.19 | ppb | 6.1118 | 0.2 | 22348.8 | 105.20761 |
| Ti 334.941 | 519.029 | ppb | 1.1112 | 0.2 | 112997 | 103.80576 |
| Tl 190.794 | 5258.46 | ppb | 15.4932 | 0.3 | 4319.84 | 105.16921 |
| V 292.401 | 5225.19 | ppb | 10.4991 | 0.2 | 120058 | 104.50370 |
| Zn 206.200 | 2776.29 | ppb | 17.4345 | 0.6 | 2589.40 | 111.05158Q |

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

Cont Calib Blank (CCB) 4/25/2013, 7:29:26 AM Rack 4, Tube 2

Weight: 1 Volume: 1 Dilution: 1

| Label | Replicates Concentration | | |
|------------|--------------------------|-----------|-----------|
| Ag 328.068 | -0.0651u | 0.4012 | -0.3974u |
| Al 308.215 | -4.0798u | -1.7901u | 2.2045 |
| As 188.980 | 1.6265 | 3.4428 | 5.6885 |
| B 249.678 | -20.8786u | -21.3028u | -23.4691u |
| Ba 389.178 | 0.7314 | 0.8056 | 1.1633 |
| Be 313.042 | -0.0046u | -0.0086u | -0.0043u |
| Ca 370.602 | 3.804 | -4.056u | -0.1864u |
| Cd 226.502 | -0.1522u | 0.0565 | 0.0306 |
| Co 228.615 | 0.0685 | -0.5463u | -0.4543u |
| Cr 267.716 | 0.3852 | 0.5107 | 0.1010 |
| Cu 324.754 | -0.8054u | 0.5481 | 0.2278 |
| Fe 271.441 | 17.1526 | 0.7718 | 3.5810 |
| K 766.491 | -0.6435u | -0.8435u | -1.1384u |
| Mg 279.078 | 3.8665 | 0.6308 | 2.6833 |
| Mn 257.610 | 0.0508 | 0.0181 | 0.0225 |
| Mo 202.032 | -0.4625u | -1.0784u | -1.0059u |
| Na 330.237 | -150.901u | -30.1408u | -36.9880u |
| Ni 231.604 | 1.1122 | 0.8093 | 1.4860 |
| Pb 220.353 | -5.1024u | -3.3237u | -1.2927u |
| Sb 206.834 | 1.0290 | 6.2210 | -3.3520u |
| Se 196.026 | -3.7682u | 3.6254 | 2.0263 |
| Sn 189.925 | -2.6733u | 2.9161 | 2.2184 |
| Sr 216.596 | 0.9347 | -0.2890u | 1.3066 |
| Ti 334.941 | 0.0639 | 0.0390 | 0.0251 |
| Tl 190.794 | -3.0423u | -3.0471u | -4.3065u |
| V 292.401 | -0.0497u | -0.2084u | 0.0025 |
| Zn 206.200 | -3.4758u | -1.2445u | -2.4662u |

| Label | Sol'n Conc. | Units | SD | %RSD | Int. (c/s) | QC Value |
|------------|-------------|-------|---------|--------|------------|-----------|
| Ag 328.068 | -0.0205 | ppb | 0.4012 | 1961.8 | -30.3405 | -0.02045 |
| Al 308.215 | -1.2218 | ppb | 3.1805 | 260.3 | -35.1409 | -1.22181 |
| As 188.980 | 3.5859 | ppb | 2.0347 | 56.7 | -8.9973 | 3.58592 |
| B 249.678 | -21.8835 | ppb | 1.3894 | 6.3 | 245.291 | -21.88351 |
| Ba 389.178 | 0.9001 | ppb | 0.2309 | 25.7 | -15.3457 | 0.90012 |
| Be 313.042 | -0.0059 | ppb | 0.0024 | 41.3 | -326.586 | -0.00585 |
| Ca 370.602 | -0.1461 | ppb | 3.930 | 2689.7 | -3.663 | -0.14612 |
| Cd 226.502 | -0.0217 | ppb | 0.1138 | 524.5 | 34.2143 | -0.02170 |
| Co 228.615 | -0.3107 | ppb | 0.3316 | 106.7 | -10.0564 | -0.31070 |
| Cr 267.716 | 0.3323 | ppb | 0.2099 | 63.2 | -18.8374 | 0.33232 |
| Cu 324.754 | -0.0098 | ppb | 0.7073 | 7203.9 | 144.168 | -0.00982 |
| Fe 271.441 | 7.1685 | ppb | 8.7599 | 122.2 | 38.4961 | 7.16848 |
| K 766.491 | -0.8751 | ppb | 0.2490 | 28.5 | 168.569 | -0.87513 |
| Mg 279.078 | 2.3935 | ppb | 1.6372 | 68.4 | 37.4541 | 2.39354 |
| Mn 257.610 | 0.0305 | ppb | 0.0177 | 58.2 | 56.3424 | 0.03050 |
| Mo 202.032 | -0.8489 | ppb | 0.3366 | 39.7 | 15.4117 | -0.84892 |
| Na 330.237 | -72.6764 | ppb | 67.8306 | 93.3 | 55.5872 | -72.67643 |
| Ni 231.604 | 1.1358 | ppb | 0.3390 | 29.8 | -4.8845 | 1.13584 |
| Pb 220.353 | -3.2396 | ppb | 1.9062 | 58.8 | 29.1834 | -3.23961 |
| Sb 206.834 | 1.2993 | ppb | 4.7922 | 368.8 | 0.5566 | 1.29934 |
| Se 196.026 | 0.6279 | ppb | 3.8901 | 619.6 | 9.6760 | 0.62785 |
| Sn 189.925 | 0.8204 | ppb | 3.0457 | 371.2 | -7.6024 | 0.82040 |
| Sr 216.596 | 0.6508 | ppb | 0.8349 | 128.3 | 27.3167 | 0.65077 |
| Ti 334.941 | 0.0427 | ppb | 0.0197 | 46.1 | -18.4053 | 0.04269 |
| Tl 190.794 | -3.4653 | ppb | 0.7285 | 21.0 | -13.2368 | -3.46526 |
| V 292.401 | -0.0852 | ppb | 0.1098 | 128.9 | -8.6665 | -0.08520 |
| Zn 206.200 | -2.3955 | ppb | 1.1174 | 2016.8 | 0.4599 | -2.39549 |

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

mb 680-273873/1-a (Samp) 4/25/2013, 7:35:04 AM Rack 4, Tube 3

Weight: 1

Volume: 1

Dilution: 1

| Label | Replicates Concentration | | |
|------------|--------------------------|-----------|-----------|
| Ag 328.068 | -0.6623u | -0.3274u | 0.3092 |
| Al 308.215 | 26.2413 | 30.4102 | 23.2401 |
| As 188.980 | -2.4951u | 0.7647 | 4.1256 |
| B 249.678 | -28.5964u | -28.9164u | -29.5650u |
| Ba 389.178 | 0.2178 | 0.7996 | 0.4642 |
| Be 313.042 | -0.0045u | -0.0160u | -0.0399u |
| Ca 370.602 | 31.71 | 27.70 | 33.25 |
| Cd 226.502 | -0.0182u | 0.0035 | -0.2600u |
| Co 228.615 | 0.1357 | 0.9034 | -0.3731u |
| Cr 267.716 | 0.3503 | 0.5522 | 0.6196 |
| Cu 324.754 | 0.0047 | -0.2495u | 0.4266 |
| Fe 271.441 | 19.6580 | 23.4277 | 17.5992 |
| K 766.491 | 8.0954 | 8.6734 | 8.9874 |
| Mg 279.078 | 52.1708 | 60.4361 | 59.9712 |
| Mn 257.610 | 0.3417 | 0.3483 | 0.3417 |
| Mo 202.032 | -0.9908u | -0.9831u | -1.4538u |
| Na 330.237 | 58.6342 | -98.7571u | 57.7106 |
| Ni 231.604 | 2.9820 | 0.6109 | 0.6101 |
| Pb 220.353 | 1.9082 | 2.1999 | -2.3373u |
| Sb 206.834 | -2.8514u | -3.0910u | -3.7193u |
| Se 196.026 | 1.5874 | 3.2087 | 2.5029 |
| Sn 189.925 | 8.0300 | 9.6127 | 8.0053 |
| Sr 216.596 | 0.1165 | 0.8558 | -0.2813u |
| Ti 334.941 | 0.2348 | 0.1924 | 0.0802 |
| Tl 190.794 | -7.6094u | -4.7443u | -3.9547u |
| V 292.401 | -0.1478u | -0.1165u | 0.4613 |
| Zn 206.200 | 2.8432 | 3.1282 | 4.5872 |

| Label | Sol'n Conc. | Units | SD | %RSD | Int. (c/s) |
|------------|-------------|-------|---------|--------|------------|
| Ag 328.068 | -0.2269 | ppb | 0.4935 | 217.5 | -43.8677 |
| Al 308.215 | 26.6306 | ppb | 3.6008 | 13.5 | 18.7902 |
| As 188.980 | 0.7984 | ppb | 3.3105 | 414.6 | -10.1559 |
| B 249.678 | -29.0259 | ppb | 0.4935 | 1.7 | 168.727 |
| Ba 389.178 | 0.4939 | ppb | 0.2920 | 59.1 | -22.6254 |
| Be 313.042 | -0.0201 | ppb | 0.0181 | 89.6 | -348.578 |
| Ca 370.602 | 30.89 | ppb | 2.868 | 9.3 | 68.94 |
| Cd 226.502 | -0.0916 | ppb | 0.1463 | 159.8 | 32.1319 |
| Co 228.615 | 0.2220 | ppb | 0.6426 | 289.4 | -5.4463 |
| Cr 267.716 | 0.5073 | ppb | 0.1401 | 27.6 | -14.0115 |
| Cu 324.754 | 0.0606 | ppb | 0.3415 | 563.5 | 147.441 |
| Fe 271.441 | 20.2283 | ppb | 2.9558 | 14.6 | 57.4795 |
| K 766.491 | 8.5854 | ppb | 0.4525 | 5.3 | 425.839 |
| Mg 279.078 | 57.5260 | ppb | 4.6436 | 8.1 | 137.370 |
| Mn 257.610 | 0.3439 | ppb | 0.0038 | 1.1 | 121.424 |
| Mo 202.032 | -1.1426 | ppb | 0.2695 | 23.6 | 13.5797 |
| Na 330.237 | 5.8627 | ppb | 90.6044 | 1545.4 | 58.6429 |
| Ni 231.604 | 1.4010 | ppb | 1.3692 | 97.7 | -4.2730 |
| Pb 220.353 | 0.5903 | ppb | 2.5395 | 430.2 | 34.1336 |
| Sb 206.834 | -3.2205 | ppb | 0.4482 | 13.9 | -3.5185 |
| Se 196.026 | 2.4330 | ppb | 0.8129 | 33.4 | 10.4569 |
| Sn 189.925 | 8.5493 | ppb | 0.9210 | 10.8 | -2.6892 |
| Sr 216.596 | 0.2303 | ppb | 0.5770 | 250.5 | 23.7622 |
| Ti 334.941 | 0.1691 | ppb | 0.0799 | 47.2 | 9.3235 |
| Tl 190.794 | -5.4361 | ppb | 1.9231 | 35.4 | -14.8621 |
| V 292.401 | 0.0657 | ppb | 0.3430 | 522.3 | -5.1265 |
| Zn 206.200 | 3.5195 | ppb | 0.9355 | 266.8 | 25.9919 |

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

ics 680-273873/2-a (Samp) 4/25/2013, 7:40:42 AM Rack 4, Tube 4

Weight: 1 Volume: 1 Dilution: 1

| Label | Replicates Concentration | | |
|------------|--------------------------|---------|---------|
| Ag 328.068 | 9.6649 | 9.1289 | 9.3802 |
| Al 308.215 | 5435.45 | 5404.16 | 5439.56 |
| As 188.980 | 110.102 | 118.968 | 107.833 |
| B 249.678 | 173.729 | 173.937 | 177.808 |
| Ba 389.178 | 106.726 | 106.257 | 107.280 |
| Be 313.042 | 56.6119 | 56.4205 | 57.0405 |
| Ca 370.602 | 5157 | 5131 | 5168 |
| Cd 226.502 | 55.8695 | 55.9278 | 56.1900 |
| Co 228.615 | 55.6245 | 55.6155 | 56.0272 |
| Cr 267.716 | 111.205 | 110.014 | 111.118 |
| Cu 324.754 | 110.784 | 108.517 | 109.208 |
| Fe 271.441 | 5282.47 | 5266.06 | 5328.08 |
| K 766.491 | 5247.38 | 5251.19 | 5304.93 |
| Mg 279.078 | 5333.40 | 5310.20 | 5373.33 |
| Mn 257.610 | 567.617 | 565.405 | 571.073 |
| Mo 202.032 | 103.608 | 103.382 | 104.401 |
| Na 330.237 | 5472.16 | 5376.49 | 5501.76 |
| Ni 231.604 | 109.786 | 108.793 | 108.031 |
| Pb 220.353 | 59.0015 | 51.6472 | 52.2150 |
| Sb 206.834 | 48.4167 | 49.7613 | 43.6314 |
| Se 196.026 | 107.933 | 103.379 | 109.529 |
| Sn 189.925 | 219.491 | 221.999 | 223.484 |
| Sr 216.596 | 107.022 | 106.848 | 106.487 |
| Ti 334.941 | 104.776 | 104.614 | 105.594 |
| Tl 190.794 | 39.8419 | 38.0918 | 42.4340 |
| V 292.401 | 106.973 | 106.107 | 107.800 |
| Zn 206.200 | 113.636 | 109.021 | 110.256 |

| Label | Sol'n Conc. | Units | SD | %RSD | Int. (c/s) |
|------------|-------------|-------|---------|------|------------|
| Ag 328.068 | 9.3913 | ppb | 0.2682 | 2.9 | 583.309 |
| Al 308.215 | 5426.39 | ppb | 19.3631 | 0.4 | 10482.5 |
| As 188.980 | 112.301 | ppb | 5.8841 | 5.2 | 36.2136 |
| B 249.678 | 175.158 | ppb | 2.2972 | 1.3 | 2351.44 |
| Ba 389.178 | 106.755 | ppb | 0.5122 | 0.5 | 1932.55 |
| Be 313.042 | 56.6910 | ppb | 0.3175 | 0.6 | 87174.7 |
| Ca 370.602 | 5152 | ppb | 19.07 | 0.4 | 11889 |
| Cd 226.502 | 55.9958 | ppb | 0.1707 | 0.3 | 1754.49 |
| Co 228.615 | 55.7557 | ppb | 0.2351 | 0.4 | 473.545 |
| Cr 267.716 | 110.779 | ppb | 0.6643 | 0.6 | 3026.40 |
| Cu 324.754 | 109.503 | ppb | 1.1621 | 1.1 | 5250.98 |
| Fe 271.441 | 5292.20 | ppb | 32.1370 | 0.6 | 7716.90 |
| K 766.491 | 5267.83 | ppb | 32.1831 | 0.6 | 143446 |
| Mg 279.078 | 5338.98 | ppb | 31.9360 | 0.6 | 9701.51 |
| Mn 257.610 | 568.032 | ppb | 2.8566 | 0.5 | 117460 |
| Mo 202.032 | 103.797 | ppb | 0.5354 | 0.5 | 667.522 |
| Na 330.237 | 5450.14 | ppb | 65.4745 | 1.2 | 269.571 |
| Ni 231.604 | 108.870 | ppb | 0.8801 | 0.8 | 243.569 |
| Pb 220.353 | 54.2879 | ppb | 4.0920 | 7.5 | 103.395 |
| Sb 206.834 | 47.2698 | ppb | 3.2219 | 6.8 | 42.3335 |
| Se 196.026 | 106.947 | ppb | 3.1915 | 3.0 | 55.8128 |
| Sn 189.925 | 221.658 | ppb | 2.0181 | 0.9 | 132.784 |
| Sr 216.596 | 106.786 | ppb | 0.2729 | 0.3 | 927.967 |
| Ti 334.941 | 104.994 | ppb | 0.5252 | 0.5 | 22851.4 |
| Tl 190.794 | 40.1226 | ppb | 2.1847 | 5.4 | 21.8153 |
| V 292.401 | 106.960 | ppb | 0.8464 | 0.8 | 2436.73 |
| Zn 206.200 | 110.971 | ppb | 2.3891 | 2.2 | 106.288 |

ics 680-273873/3-a (Samp) 4/25/2013, 7:46:20 AM Rack 4, Tube 5
Weight: 1 Volume: 1 Dilution: 1

| Label | Replicates Concentration | | |
|------------|--------------------------|---------|---------|
| Ag 328.068 | 215.661 | 213.905 | 215.741 |
| Al 308.215 | 2365.84 | 2359.03 | 2331.30 |
| As 188.980 | 231.928 | 220.407 | 230.371 |
| B 249.678 | 392.015 | 394.534 | 396.687 |
| Ba 389.178 | 212.985 | 211.991 | 212.876 |
| Be 313.042 | 228.233 | 228.269 | 228.394 |
| Ca 370.602 | 20997 | 20994 | 20990 |
| Cd 226.502 | 221.999 | 222.441 | 222.606 |
| Co 228.615 | 223.772 | 222.046 | 224.114 |
| Cr 267.716 | 221.041 | 221.491 | 220.932 |
| Cu 324.754 | 226.749 | 223.232 | 224.860 |
| Fe 271.441 | 22060.7 | 22017.5 | 22071.2 |
| K 766.491 | 21599.7 | 21634.3 | 21675.6 |
| Mg 279.078 | 21667.9 | 21625.3 | 21704.4 |
| Mn 257.610 | 2296.31 | 2290.30 | 2295.06 |
| Mo 202.032 | 212.313 | 210.368 | 211.592 |
| Na 330.237 | 19878.6 | 19911.5 | 20016.7 |
| Ni 231.604 | 222.725 | 222.415 | 223.068 |
| Pb 220.353 | 206.364 | 213.054 | 206.167 |
| Sb 206.834 | 193.788 | 194.387 | 202.314 |
| Se 196.026 | 225.084 | 213.033 | 214.072 |
| Sn 189.925 | 226.023 | 224.085 | 228.397 |
| Sr 216.596 | 228.648 | 228.230 | 226.352 |
| Ti 334.941 | 212.425 | 212.377 | 212.037 |
| Tl 190.794 | 47.5316 | 45.3256 | 44.6648 |
| V 292.401 | 216.936 | 217.024 | 217.786 |
| Zn 206.200 | 209.830 | 212.452 | 213.064 |

| Label | Sol'n Conc. | Units | SD | %RSD | Int. (c/s) |
|------------|-------------|-------|---------|------|------------|
| Ag 328.068 | 215.102 | ppb | 1.0377 | 0.5 | 14043.2 |
| Al 308.215 | 2352.06 | ppb | 18.2979 | 0.8 | 4531.53 |
| As 188.980 | 227.569 | ppb | 6.2512 | 2.7 | 84.2239 |
| B 249.678 | 394.412 | ppb | 2.3384 | 0.6 | 4683.32 |
| Ba 389.178 | 212.617 | ppb | 0.5452 | 0.3 | 3916.27 |
| Be 313.042 | 228.298 | ppb | 0.0843 | 0.0 | 352051 |
| Ca 370.602 | 20993 | ppb | 3.652 | 0.0 | 48390 |
| Cd 226.502 | 222.349 | ppb | 0.3139 | 0.1 | 6866.62 |
| Co 228.615 | 223.311 | ppb | 1.1083 | 0.5 | 1919.71 |
| Cr 267.716 | 221.155 | ppb | 0.2964 | 0.1 | 6073.54 |
| Cu 324.754 | 224.947 | ppb | 1.7598 | 0.8 | 10637.4 |
| Fe 271.441 | 22049.8 | ppb | 28.4275 | 0.1 | 32059.9 |
| K 766.491 | 21636.5 | ppb | 38.0407 | 0.2 | 588576 |
| Mg 279.078 | 21665.9 | ppb | 39.5822 | 0.2 | 39273.1 |
| Mn 257.610 | 2293.89 | ppb | 3.1697 | 0.1 | 474190 |
| Mo 202.032 | 211.424 | ppb | 0.9833 | 0.5 | 1337.72 |
| Na 330.237 | 19935.6 | ppb | 72.1471 | 0.4 | 832.262 |
| Ni 231.604 | 222.736 | ppb | 0.3268 | 0.1 | 506.367 |
| Pb 220.353 | 208.528 | ppb | 3.9207 | 1.9 | 302.885 |
| Sb 206.834 | 196.830 | ppb | 4.7592 | 2.4 | 178.691 |
| Se 196.026 | 217.396 | ppb | 6.6776 | 3.1 | 104.046 |
| Sn 189.925 | 226.169 | ppb | 2.1595 | 1.0 | 135.660 |
| Sr 216.596 | 227.743 | ppb | 1.2229 | 0.5 | 1959.14 |
| Ti 334.941 | 212.280 | ppb | 0.2115 | 0.1 | 46268.1 |
| Tl 190.794 | 45.8407 | ppb | 1.5012 | 3.3 | 23.8087 |
| V 292.401 | 217.249 | ppb | 0.4674 | 0.2 | 4956.40 |
| Zn 206.200 | 211.782 | ppb | 1.7180 | 0.8 | 209.370 |

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

680-89459-b-12-a (Samp) 4/25/2013, 7:51:57 AM Rack 4, Tube 6
 Weight: 1 Volume: 1 Dilution: 1

| Label | Replicates Concentration | | |
|------------|--------------------------|-----------|-----------|
| Ag 328.068 | 3.1395 | 3.9879 | 2.9914 |
| Al 308.215 | 125557 | 125420 | 124717 |
| As 188.980 | 299.616 | 308.430 | 307.500 |
| B 249.678 | 86.8375 | 86.7835 | 86.2820 |
| Ba 389.178 | 4784.23 | 4776.75 | 4774.40 |
| Be 313.042 | 19.2746 | 19.2694 | 19.2214 |
| Ca 370.602 | 128353 | 128194 | 127975 |
| Cd 226.502 | 19.6577 | 19.2871 | 19.9255 |
| Co 228.615 | 140.960 | 139.665 | 141.402 |
| Cr 267.716 | 460.314 | 458.151 | 456.160 |
| Cu 324.754 | 833.320 | 819.469 | 821.095 |
| Fe 271.441 | 560082 | 561192 | 558708 |
| K 766.491 | 14760.1 | 14765.6 | 14736.3 |
| Mg 279.078 | 25207.6 | 25158.5 | 25118.2 |
| Mn 257.610 | 23565.4 | 23512.6 | 23516.6 |
| Mo 202.032 | 31.8296 | 32.5954 | 31.6190 |
| Na 330.237 | -378.910u | -388.195u | -150.101u |
| Ni 231.604 | 193.252 | 187.576 | 194.083 |
| Pb 220.353 | 4298.15 | 4272.39 | 4276.76 |
| Sb 206.834 | 0.3252 | 14.4853 | 13.8811 |
| Se 196.026 | -0.2472 | 9.9318 | 8.9104 |
| Sn 189.925 | 184.104 | 197.968 | 187.645 |
| Sr 216.596 | 1127.99 | 1121.76 | 1120.88 |
| Ti 334.941 | 1962.82 | 1961.56 | 1953.98 |
| Tl 190.794 | 26.6786u | 31.3619u | 30.2879u |
| V 292.401 | 616.742 | 617.850 | 616.261 |
| Zn 206.200 | 8918.95 | 8880.36 | 8945.18 |

| Label | Sol'n Conc. | Units | SD | %RSD | Int. (c/s) |
|------------|-------------|-------|---------|------|------------|
| Ag 328.068 | 3.3729 | ppb | 0.5377 | 15.9 | 169.194 |
| Al 308.215 | 125231 | ppb | 450.960 | 0.4 | 242544 |
| As 188.980 | 305.182 | ppb | 4.8426 | 1.6 | 120.065 |
| B 249.678 | 86.6343 | ppb | 0.3063 | 0.4 | 808.192 |
| Ba 389.178 | 4778.46 | ppb | 5.1328 | 0.1 | 87787.9 |
| Be 313.042 | 19.2551 | ppb | 0.0293 | 0.2 | 29410.6 |
| Ca 370.602 | 128174 | ppb | 189.5 | 0.1 | 269970 |
| Cd 226.502 | 19.6234 | ppb | 0.3206 | 1.6 | 2385.75 |
| Co 228.615 | 140.676 | ppb | 0.9026 | 0.6 | 1231.80 |
| Cr 267.716 | 458.208 | ppb | 2.0773 | 0.5 | 12733.4 |
| Cu 324.754 | 824.628 | ppb | 7.5717 | 0.9 | 38724.8 |
| Fe 271.441 | 559994 | ppb | 1244.14 | 0.2 | 812762 |
| K 766.491 | 14754.0 | ppb | 15.5583 | 0.1 | 401413 |
| Mg 279.078 | 25161.4 | ppb | 44.7808 | 0.2 | 45370.0 |
| Mn 257.610 | 23531.5 | ppb | 29.4151 | 0.1 | 4863722 |
| Mo 202.032 | 32.0146 | ppb | 0.5139 | 1.6 | 195.125 |
| Na 330.237 | -305.735 | ppb | 134.863 | 44.1 | -144.543 |
| Ni 231.604 | 191.637 | ppb | 3.5416 | 1.8 | 444.543 |
| Pb 220.353 | 4282.43 | ppb | 13.7868 | 0.3 | 5569.94 |
| Sb 206.834 | 9.5639 | ppb | 8.0067 | 83.7 | 23.4715 |
| Se 196.026 | 6.1983 | ppb | 5.6053 | 90.4 | 20.0533 |
| Sn 189.925 | 189.906 | ppb | 7.2033 | 3.8 | 112.626 |
| Sr 216.596 | 1123.55 | ppb | 3.8745 | 0.3 | 9768.91 |
| Ti 334.941 | 1959.45 | ppb | 4.7814 | 0.2 | 426736 |
| Tl 190.794 | 29.4428 | ppb | 2.4533 | 8.3 | -38.0160 |
| V 292.401 | 616.951 | ppb | 0.8149 | 0.1 | 14209.1 |
| Zn 206.200 | 8914.83 | ppb | 32.6956 | 0.4 | 8339.92 |

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680-89459-b-12-aSD^5 (Samp) 4/25/2013, 7:57:35 AM Rack 4, Tube 7

Weight: 1

Volume: 1

Dilution: 1

| Label | Replicates Concentration | | |
|------------|--------------------------|----------|----------|
| Ag 328.068 | 0.3648 | 0.0631u | 0.1606 |
| Al 308.215 | 25368.1 | 25123.0 | 25137.5 |
| As 188.980 | 65.7292 | 73.7170 | 66.7540 |
| B 249.678 | -6.0810u | -6.0861u | -5.9246u |
| Ba 389.178 | 999.601 | 1000.28 | 998.465 |
| Be 313.042 | 4.0023 | 4.0110 | 4.0010 |
| Ca 370.602 | 26325 | 26285 | 26252 |
| Cd 226.502 | 3.6478 | 3.2854 | 3.7862 |
| Co 228.615 | 29.0527 | 29.1165 | 28.9227 |
| Cr 267.716 | 96.9083 | 95.9102 | 96.4306 |
| Cu 324.754 | 162.939 | 163.201 | 163.509 |
| Fe 271.441 | 118917 | 118954 | 118899 |
| K 766.491 | 2583.89 | 2585.30 | 2580.65 |
| Mg 279.078 | 5278.17 | 5280.52 | 5264.65 |
| Mn 257.610 | 5033.15 | 5055.29 | 5043.86 |
| Mo 202.032 | 5.4637 | 6.3643 | 5.6961 |
| Na 330.237 | -144.294u | 89.8066u | 107.568u |
| Ni 231.604 | 42.0945 | 42.2039 | 39.2115 |
| Pb 220.353 | 911.741 | 903.647 | 902.804 |
| Sb 206.834 | 0.8304 | -0.8368 | -0.6283 |
| Se 196.026 | -2.0715 | 8.5531 | 9.1763 |
| Sn 189.925 | 39.8183 | 39.1503 | 41.1297 |
| Sr 216.596 | 238.212 | 236.908 | 237.940 |
| Ti 334.941 | 403.164 | 401.138 | 400.144 |
| Tl 190.794 | 4.0984u | 3.7684u | -2.4822u |
| V 292.401 | 127.839 | 128.361 | 128.364 |
| Zn 206.200 | 1923.67 | 1936.60 | 1899.69 |

| Label | Sol'n Conc. | Units | SD | %RSD | Int. (c/s) |
|------------|-------------|-------|---------|-------|------------|
| Ag 328.068 | 0.1962 | ppb | 0.1540 | 78.5 | -20.7361 |
| Al 308.215 | 25209.5 | ppb | 137.545 | 0.5 | 48798.8 |
| As 188.980 | 68.7334 | ppb | 4.3463 | 6.3 | 18.8680 |
| B 249.678 | -6.0306 | ppb | 0.0918 | 1.5 | 287.734 |
| Ba 389.178 | 999.447 | ppb | 0.9151 | 0.1 | 18338.3 |
| Be 313.042 | 4.0048 | ppb | 0.0054 | 0.1 | 5865.44 |
| Ca 370.602 | 26287 | ppb | 36.42 | 0.1 | 55123 |
| Cd 226.502 | 3.5731 | ppb | 0.2586 | 7.2 | 516.078 |
| Co 228.615 | 29.0306 | ppb | 0.0987 | 0.3 | 248.216 |
| Cr 267.716 | 96.4164 | ppb | 0.4992 | 0.5 | 2657.65 |
| Cu 324.754 | 163.216 | ppb | 0.2851 | 0.2 | 7782.87 |
| Fe 271.441 | 118923 | ppb | 27.7965 | 0.0 | 172625 |
| K 766.491 | 2583.28 | ppb | 2.3842 | 0.1 | 70442.1 |
| Mg 279.078 | 5274.45 | ppb | 8.5654 | 0.2 | 9535.76 |
| Mn 257.610 | 5044.10 | ppb | 11.0747 | 0.2 | 1042599 |
| Mo 202.032 | 5.8414 | ppb | 0.4675 | 8.0 | 51.7799 |
| Na 330.237 | 17.6935 | ppb | 140.566 | 794.5 | 18.5122 |
| Ni 231.604 | 41.1699 | ppb | 1.6970 | 4.1 | 89.5859 |
| Pb 220.353 | 906.064 | ppb | 4.9342 | 0.5 | 1204.81 |
| Sb 206.834 | -0.2116 | ppb | 0.9084 | 429.4 | 2.4622 |
| Se 196.026 | 5.2193 | ppb | 6.3217 | 121.1 | 13.3642 |
| Sn 189.925 | 40.0327 | ppb | 1.0070 | 2.5 | 17.3305 |
| Sr 216.596 | 237.686 | ppb | 0.6881 | 0.3 | 2083.91 |
| Ti 334.941 | 401.482 | ppb | 1.5388 | 0.4 | 87415.0 |
| Tl 190.794 | 1.7949 | ppb | 3.7077 | 206.6 | -19.9820 |
| V 292.401 | 128.188 | ppb | 0.3025 | 0.2 | 2946.99 |
| Zn 206.200 | 1919.98 | ppb | 18.7291 | 0.9 | 1798.29 |

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

680-89459-b-12-aPDS (Samp) 4/25/2013, 8:03:13 AM Rack 4, Tube 8**Weight: 1****Volume: 1****Dilution: 1**

| Label | Replicates Concentration | | |
|------------|--------------------------|---------|---------|
| Ag 328.068 | 52.9605 | 59.6744 | 54.9409 |
| Al 308.215 | 116962 | 134056 | 124707 |
| As 188.980 | 2336.57 | 2661.94 | 2469.98 |
| B 249.678 | 1060.43 | 1221.88 | 1137.52 |
| Ba 389.178 | 6280.73 | 7210.80 | 6671.86 |
| Be 313.042 | 67.5493 | 77.5216 | 71.8353 |
| Ca 370.602 | 122995 | 139028 | 130093 |
| Cd 226.502 | 62.2750 | 79.8865 | 69.4674 |
| Co 228.615 | 630.463 | 731.519 | 656.953 |
| Cr 267.716 | 614.339 | 702.831 | 655.901 |
| Cu 324.754 | 1039.79 | 1195.06 | 1070.42 |
| Fe 271.441 | 511289 | 588258 | 546877 |
| K 766.491 | 19159.5 | 21241.7 | 19862.6 |
| Mg 279.078 | 27951.4 | 32060.6 | 29761.1 |
| Mn 257.610 | 22069.9 | 25136.4 | 23405.5 |
| Mo 202.032 | 502.578 | 579.242 | 538.482 |
| Na 330.237 | 5605.15 | 5514.47 | 5666.09 |
| Ni 231.604 | 674.209 | 762.880 | 701.348 |
| Pb 220.353 | 4333.75 | 4973.38 | 4608.53 |
| Sb 206.834 | 453.977 | 528.603 | 492.776 |
| Se 196.026 | 1984.40 | 2277.90 | 2109.77 |
| Sn 189.925 | 1113.66 | 1280.16 | 1204.13 |
| Sr 216.596 | 1501.25 | 1726.40 | 1601.70 |
| Ti 334.941 | 2665.06 | 3072.15 | 2842.11 |
| Tl 190.794 | 1885.82 | 2153.23 | 1996.27 |
| V 292.401 | 1037.75 | 1198.42 | 1109.26 |
| Zn 206.200 | 8589.04 | 9927.00 | 9189.75 |

| Label | Sol'n Conc. | Units | SD | %RSD | Int. (c/s) |
|------------|-------------|-------|---------|------|------------|
| Ag 328.068 | 55.8586 | ppb | 3.4498 | 6.2 | 3588.06 |
| Al 308.215 | 125242 | ppb | 8559.65 | 6.8 | 242584 |
| As 188.980 | 2489.50 | ppb | 163.561 | 6.6 | 1027.96 |
| B 249.678 | 1139.95 | ppb | 80.7526 | 7.1 | 12109.2 |
| Ba 389.178 | 6721.13 | ppb | 466.989 | 6.9 | 123215 |
| Be 313.042 | 72.3021 | ppb | 5.0025 | 6.9 | 111212 |
| Ca 370.602 | 130706 | ppb | 8034 | 6.1 | 276767 |
| Cd 226.502 | 70.5429 | ppb | 8.8549 | 12.6 | 3899.27 |
| Co 228.615 | 672.978 | ppb | 52.3995 | 7.8 | 5833.51 |
| Cr 267.716 | 657.690 | ppb | 44.2730 | 6.7 | 18227.5 |
| Cu 324.754 | 1101.76 | ppb | 82.2439 | 7.5 | 51645.3 |
| Fe 271.441 | 548808 | ppb | 38520.7 | 7.0 | 796602 |
| K 766.491 | 20087.9 | ppb | 1059.26 | 5.3 | 546464 |
| Mg 279.078 | 29924.3 | ppb | 2059.46 | 6.9 | 54000.8 |
| Mn 257.610 | 23537.3 | ppb | 1537.49 | 6.5 | 4864906 |
| Mo 202.032 | 540.101 | ppb | 38.3577 | 7.1 | 3362.94 |
| Na 330.237 | 5595.24 | ppb | 76.2910 | 1.4 | 82.1103 |
| Ni 231.604 | 712.812 | ppb | 45.4339 | 6.4 | 1645.79 |
| Pb 220.353 | 4638.55 | ppb | 320.869 | 6.9 | 6029.19 |
| Sb 206.834 | 491.785 | ppb | 37.3232 | 7.6 | 454.899 |
| Se 196.026 | 2124.02 | ppb | 147.272 | 6.9 | 936.032 |
| Sn 189.925 | 1199.32 | ppb | 83.3530 | 7.0 | 754.296 |
| Sr 216.596 | 1609.78 | ppb | 112.790 | 7.0 | 13880.5 |
| Ti 334.941 | 2859.77 | ppb | 204.119 | 7.1 | 622774 |
| Tl 190.794 | 2011.77 | ppb | 134.379 | 6.7 | 1596.87 |
| V 292.401 | 1115.14 | ppb | 80.4978 | 7.2 | 25608.2 |
| Zn 206.200 | 9235.26 | ppb | 670.142 | 7.3 | 8639.26 |

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680-89459-b-12-b ms (Samp) 4/25/2013, 8:08:51 AM Rack 4, Tube 9

Weight: 1

Volume: 1

Dilution: 1

| Label | Replicates Concentration | | |
|------------|--------------------------|---------|---------|
| Ag 328.068 | 12.5553 | 12.1229 | 12.2864 |
| Al 308.215 | 134693 | 135094 | 135860 |
| As 188.980 | 419.324 | 416.924 | 418.041 |
| B 249.678 | 249.332 | 248.352 | 245.526 |
| Ba 389.178 | 5712.58 | 5714.09 | 5709.51 |
| Be 313.042 | 72.3284 | 72.3388 | 72.2068 |
| Ca 370.602 | 111033 | 111059 | 111160 |
| Cd 226.502 | 72.5013 | 73.8069 | 72.4568 |
| Co 228.615 | 197.117 | 200.633 | 197.761 |
| Cr 267.716 | 571.666 | 571.003 | 574.108 |
| Cu 324.754 | 840.914 | 826.833 | 834.288 |
| Fe 271.441 | 488624 | 487533 | 487818 |
| K 766.491 | 19055.2 | 18979.0 | 18887.1 |
| Mg 279.078 | 25067.3 | 25116.2 | 25094.5 |
| Mn 257.610 | 25552.4 | 25623.7 | 24800.2 |
| Mo 202.032 | 168.015 | 166.451 | 166.672 |
| Na 330.237 | 5117.03 | 5368.75 | 5309.70 |
| Ni 231.604 | 285.997 | 286.109 | 286.731 |
| Pb 220.353 | 14066.1 | 14154.9 | 14153.7 |
| Sb 206.834 | 38.9273 | 34.9217 | 27.8699 |
| Se 196.026 | 95.9922 | 97.3085 | 103.615 |
| Sn 189.925 | 340.457 | 343.465 | 333.676 |
| Sr 216.596 | 1129.79 | 1130.86 | 1134.96 |
| Ti 334.941 | 1872.65 | 1870.96 | 1871.60 |
| Tl 190.794 | 71.2888 | 71.4641 | 73.1764 |
| V 292.401 | 759.897 | 759.305 | 758.907 |
| Zn 206.200 | 9267.29 | 9355.11 | 9312.56 |

| Label | Sol'n Conc. | Units | SD | %RSD | Int. (c/s) |
|------------|-------------|-------|---------|------|------------|
| Ag 328.068 | 12.3215 | ppb | 0.2184 | 1.8 | 772.283 |
| Al 308.215 | 135216 | ppb | 593.117 | 0.4 | 261890 |
| As 188.980 | 418.096 | ppb | 1.2009 | 0.3 | 166.503 |
| B 249.678 | 247.737 | ppb | 1.9763 | 0.8 | 2612.52 |
| Ba 389.178 | 5712.06 | ppb | 2.3322 | 0.0 | 104732 |
| Be 313.042 | 72.2913 | ppb | 0.0734 | 0.1 | 111249 |
| Ca 370.602 | 111084 | ppb | 67.28 | 0.1 | 233970 |
| Cd 226.502 | 72.9217 | ppb | 0.7670 | 1.1 | 3779.80 |
| Co 228.615 | 198.504 | ppb | 1.8719 | 0.9 | 1728.04 |
| Cr 267.716 | 572.259 | ppb | 1.6354 | 0.3 | 15870.1 |
| Cu 324.754 | 834.012 | ppb | 7.0447 | 0.8 | 39144.2 |
| Fe 271.441 | 487991 | ppb | 566.225 | 0.1 | 708275 |
| K 766.491 | 18973.8 | ppb | 84.1741 | 0.4 | 516166 |
| Mg 279.078 | 25092.7 | ppb | 24.5097 | 0.1 | 45207.0 |
| Mn 257.610 | 25325.4 | ppb | 456.268 | 1.8 | 5234208 |
| Mo 202.032 | 167.046 | ppb | 0.8462 | 0.5 | 1040.00 |
| Na 330.237 | 5265.16 | ppb | 131.638 | 2.5 | 88.6307 |
| Ni 231.604 | 286.279 | ppb | 0.3958 | 0.1 | 661.398 |
| Pb 220.353 | 14124.9 | ppb | 50.9157 | 0.4 | 18291.7 |
| Sb 206.834 | 33.9063 | ppb | 5.5982 | 16.5 | 43.6955 |
| Se 196.026 | 98.9718 | ppb | 4.0743 | 4.1 | 60.1962 |
| Sn 189.925 | 339.199 | ppb | 5.0145 | 1.5 | 207.527 |
| Sr 216.596 | 1131.87 | ppb | 2.7267 | 0.2 | 9809.66 |
| Ti 334.941 | 1871.74 | ppb | 0.8521 | 0.0 | 407632 |
| Tl 190.794 | 71.9765 | ppb | 1.0429 | 1.4 | -2.0085 |
| V 292.401 | 759.370 | ppb | 0.4984 | 0.1 | 17461.8 |
| Zn 206.200 | 9311.65 | ppb | 43.9157 | 0.5 | 8710.87 |

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

680-89459-b-12-c msd (Samp) 4/25/2013, 8:14:29 AM Rack 4, Tube 10**Weight: 1****Volume: 1****Dilution: 1**

| Label | Replicates Concentration | | |
|------------|--------------------------|----------|----------|
| Ag 328.068 | 12.9548 | 13.5399 | 12.6933 |
| Al 308.215 | 133200 | 134103 | 135254 |
| As 188.980 | 465.639 | 450.347 | 463.183 |
| B 249.678 | 292.882 | 294.384 | 293.326 |
| Ba 389.178 | 4849.90 | 4853.57 | 4861.16 |
| Be 313.042 | 73.3843 | 73.4967 | 73.5059 |
| Ca 370.602 | 123240 | 123441 | 123429 |
| Cd 226.502 | 72.6182 | 72.8102 | 72.1300 |
| Co 228.615 | 205.975 | 204.628 | 203.520 |
| Cr 267.716 | 614.543 | 617.244 | 620.734 |
| Cu 324.754 | 861.331 | 858.563 | 847.518 |
| Fe 271.441 | 549412 | 550241 | 548880 |
| K 766.491 | 20151.5 | 20184.5 | 20194.3 |
| Mg 279.078 | 29714.0 | 29801.7 | 29749.7 |
| Mn 257.610 | 30302.3x | 30311.5x | 30320.6x |
| Mo 202.032 | 125.854 | 125.847 | 127.309 |
| Na 330.237 | 5983.34 | 5649.71 | 5784.17 |
| Ni 231.604 | 287.443 | 288.565 | 288.785 |
| Pb 220.353 | 2726.45 | 2733.73 | 2758.21 |
| Sb 206.834 | 44.0650 | 44.3463 | 42.0825 |
| Se 196.026 | 87.4141 | 102.452 | 101.227 |
| Sn 189.925 | 445.490 | 446.165 | 450.553 |
| Sr 216.596 | 1077.30 | 1081.64 | 1082.48 |
| Ti 334.941 | 1905.69 | 1911.78 | 1914.34 |
| Tl 190.794 | 83.7001 | 83.3585 | 83.5533 |
| V 292.401 | 846.321 | 845.300 | 844.517 |
| Zn 206.200 | 8879.88 | 8907.86 | 8861.53 |

| Label | Sol'n Conc. | Units | SD | %RSD | Int. (c/s) |
|------------|-------------|-------|---------|------|------------|
| Ag 328.068 | 13.0627b | ppb | 0.4335 | 3.3 | 835.105 |
| Al 308.215 | 134186b | ppb | 1029.47 | 0.8 | 259892 |
| As 188.980 | 459.723b | ppb | 8.2121 | 1.8 | 184.217 |
| B 249.678 | 293.531b | ppb | 0.7714 | 0.3 | 3037.96 |
| Ba 389.178 | 4854.88b | ppb | 5.7440 | 0.1 | 89178.8 |
| Be 313.042 | 73.4623b | ppb | 0.0677 | 0.1 | 113063 |
| Ca 370.602 | 123370b | ppb | 112.4 | 0.1 | 259441 |
| Cd 226.502 | 72.5195b | ppb | 0.3507 | 0.5 | 3958.46 |
| Co 228.615 | 204.707b | ppb | 1.2293 | 0.6 | 1781.79 |
| Cr 267.716 | 617.507b | ppb | 3.1038 | 0.5 | 17137.3 |
| Cu 324.754 | 855.804b | ppb | 7.3085 | 0.9 | 40174.8 |
| Fe 271.441 | 549511b | ppb | 686.217 | 0.1 | 797559 |
| K 766.491 | 20176.8b | ppb | 22.4009 | 0.1 | 548880 |
| Mg 279.078 | 29755.1b | ppb | 44.1174 | 0.1 | 53598.9 |
| Mn 257.610 | 30311.5xb | ppb | 9.1465 | 0.0 | 6264609 |
| Mo 202.032 | 126.337b | ppb | 0.8422 | 0.7 | 783.391 |
| Na 330.237 | 5805.74b | ppb | 167.858 | 2.9 | 98.0767 |
| Ni 231.604 | 288.264b | ppb | 0.7197 | 0.2 | 667.087 |
| Pb 220.353 | 2739.46b | ppb | 16.6412 | 0.6 | 3576.54 |
| Sb 206.834 | 43.4979b | ppb | 1.2339 | 2.8 | 54.5132 |
| Se 196.026 | 97.0310b | ppb | 8.3509 | 8.6 | 60.7487 |
| Sn 189.925 | 447.403b | ppb | 2.7492 | 0.6 | 276.313 |
| Sr 216.596 | 1080.48b | ppb | 2.7807 | 0.3 | 9394.27 |
| Ti 334.941 | 1910.60b | ppb | 4.4404 | 0.2 | 416116 |
| Tl 190.794 | 83.5373b | ppb | 0.1714 | 0.2 | -1.0387 |
| V 292.401 | 845.379b | ppb | 0.9047 | 0.1 | 19449.3 |
| Zn 206.200 | 8883.09b | ppb | 23.3290 | 0.3 | 8309.95 |

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

680-89459-b-16-a (Samp) 4/25/2013, 8:20:07 AM Rack 4, Tube 11

Weight: 1

Volume: 1

Dilution: 1

| Label | Replicates Concentration | | |
|------------|--------------------------|-----------|-----------|
| Ag 328.068 | 0.6583 | 0.5039 | 0.2080u |
| Al 308.215 | 121727 | 122882 | 122530 |
| As 188.980 | 319.277 | 324.291 | 314.157 |
| B 249.678 | 19.2090u | 18.6605u | 17.8678u |
| Ba 389.178 | 1760.74 | 1760.33 | 1763.78 |
| Be 313.042 | 13.9825 | 13.9702 | 13.9657 |
| Ca 370.602 | 139959 | 140185 | 140238 |
| Cd 226.502 | 10.2731 | 9.5533 | 9.7916 |
| Co 228.615 | 110.915 | 110.408 | 109.778 |
| Cr 267.716 | 364.988 | 367.945 | 366.845 |
| Cu 324.754 | 1120.50 | 1112.79 | 1139.94 |
| Fe 271.441 | 390454 | 390546 | 390272 |
| K 766.491 | 9784.57 | 9786.96 | 9771.46 |
| Mg 279.078 | 44761.8 | 44844.3 | 44823.0 |
| Mn 257.610 | 11057.1 | 11038.6 | 11023.0 |
| Mo 202.032 | 25.1145 | 23.1678 | 24.3928 |
| Na 330.237 | 95.9070u | -144.485u | -118.625u |
| Ni 231.604 | 196.581 | 197.267 | 195.007 |
| Pb 220.353 | 2378.25 | 2379.62 | 2384.46 |
| Sb 206.834 | 15.4364 | 17.6681 | 15.6071 |
| Se 196.026 | -0.0082 | 16.9860 | 3.9772 |
| Sn 189.925 | 167.553 | 167.203 | 167.819 |
| Sr 216.596 | 395.350 | 396.733 | 396.940 |
| Ti 334.941 | 1312.53 | 1315.55 | 1317.17 |
| Tl 190.794 | 14.0021u | 15.3924u | 5.9821u |
| V 292.401 | 401.278 | 402.044 | 402.161 |
| Zn 206.200 | 4646.20 | 4606.59 | 4629.48 |

| Label | Sol'n Conc. | Units | SD | %RSD | Int. (c/s) |
|------------|-------------|-------|---------|-------|------------|
| Ag 328.068 | 0.4567 | ppb | 0.2288 | 50.1 | -20.9933 |
| Al 308.215 | 122380 | ppb | 592.195 | 0.5 | 237022 |
| As 188.980 | 319.242 | ppb | 5.0672 | 1.6 | 124.790 |
| B 249.678 | 18.5791 | ppb | 0.6743 | 3.6 | 261.132 |
| Ba 389.178 | 1761.62 | ppb | 1.8847 | 0.1 | 32622.9 |
| Be 313.042 | 13.9728 | ppb | 0.0087 | 0.1 | 21273.8 |
| Ca 370.602 | 140127 | ppb | 148.0 | 0.1 | 308206 |
| Cd 226.502 | 9.8727 | ppb | 0.3667 | 3.7 | 1556.58 |
| Co 228.615 | 110.367 | ppb | 0.5697 | 0.5 | 961.626 |
| Cr 267.716 | 366.593 | ppb | 1.4946 | 0.4 | 10155.1 |
| Cu 324.754 | 1124.41 | ppb | 13.9924 | 1.2 | 52650.2 |
| Fe 271.441 | 390424 | ppb | 139.537 | 0.0 | 566663 |
| K 766.491 | 9781.00 | ppb | 8.3474 | 0.1 | 266177 |
| Mg 279.078 | 44809.7 | ppb | 42.8598 | 0.1 | 81128.3 |
| Mn 257.610 | 11039.6 | ppb | 17.0286 | 0.2 | 2282279 |
| Mo 202.032 | 24.2251 | ppb | 0.9841 | 4.1 | 154.256 |
| Na 330.237 | -55.7341 | ppb | 131.960 | 236.8 | -67.4223 |
| Ni 231.604 | 196.285 | ppb | 1.1589 | 0.6 | 452.147 |
| Pb 220.353 | 2380.77 | ppb | 3.2618 | 0.1 | 3110.22 |
| Sb 206.834 | 16.2372 | ppb | 1.2421 | 7.6 | 25.1895 |
| Se 196.026 | 6.9850 | ppb | 8.8874 | 127.2 | 16.8177 |
| Sn 189.925 | 167.525 | ppb | 0.3088 | 0.2 | 98.4067 |
| Sr 216.596 | 396.341 | ppb | 0.8644 | 0.2 | 3528.11 |
| Ti 334.941 | 1315.08 | ppb | 2.3536 | 0.2 | 286496 |
| Tl 190.794 | 11.7922 | ppb | 5.0795 | 43.1 | -30.3474 |
| V 292.401 | 401.827 | ppb | 0.4797 | 0.1 | 9248.73 |
| Zn 206.200 | 4627.42 | ppb | 19.8867 | 0.4 | 4320.07 |

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

680-89459-b-30-a (Samp) 4/25/2013, 8:25:45 AM Rack 4, Tube 12

Weight: 1

Volume: 1

Dilution: 1

| Label | Replicates Concentration | | |
|------------|--------------------------|-----------|-----------|
| Ag 328.068 | 1.8987 | 2.1144 | 0.5397 |
| Al 308.215 | 118838 | 118827 | 119115 |
| As 188.980 | 633.227 | 635.970 | 628.344 |
| B 249.678 | -16.7196u | -16.4151u | -17.5366u |
| Ba 389.178 | 3855.17 | 3853.60 | 3851.38 |
| Be 313.042 | 15.9488 | 15.9093 | 15.9550 |
| Ca 370.602 | 135520 | 135544 | 135724 |
| Cd 226.502 | 11.4972 | 11.4660 | 11.7765 |
| Co 228.615 | 164.403 | 164.022 | 169.216 |
| Cr 267.716 | 647.299 | 648.292 | 649.374 |
| Cu 324.754 | 717.795 | 715.701 | 726.069 |
| Fe 271.441 | 628334 | 631191 | 632390 |
| K 766.491 | 11032.7 | 10984.6 | 11036.7 |
| Mg 279.078 | 32612.0 | 32565.1 | 32592.3 |
| Mn 257.610 | 22262.0 | 22178.6 | 22350.4 |
| Mo 202.032 | 22.8478 | 23.0391 | 24.2263 |
| Na 330.237 | -284.179u | -356.864u | -548.982u |
| Ni 231.604 | 184.004 | 181.127 | 180.238 |
| Pb 220.353 | 3499.34 | 3481.99 | 3488.71 |
| Sb 206.834 | 12.5495 | 7.6475 | 2.1094 |
| Se 196.026 | -9.5912 | -0.1064 | 2.1119 |
| Sn 189.925 | 116.636 | 116.736 | 108.953 |
| Sr 216.596 | 354.026 | 353.025 | 353.106 |
| Ti 334.941 | 1577.73 | 1577.76 | 1580.98 |
| Tl 190.794 | 24.5553u | 25.7947u | 26.2560u |
| V 292.401 | 662.484 | 660.782 | 662.815 |
| Zn 206.200 | 7284.44 | 7238.90 | 7268.31 |

| Label | Sol'n Conc. | Units | SD | %RSD | Int. (c/s) |
|------------|-------------|-------|---------|-------|------------|
| Ag 328.068 | 1.5176 | ppb | 0.8537 | 56.3 | 64.5189 |
| Al 308.215 | 118927 | ppb | 163.197 | 0.1 | 230331 |
| As 188.980 | 632.514 | ppb | 3.8626 | 0.6 | 256.604 |
| B 249.678 | -16.8904 | ppb | 0.5799 | 3.4 | -376.149 |
| Ba 389.178 | 3853.38 | ppb | 1.9066 | 0.0 | 71011.8 |
| Be 313.042 | 15.9377 | ppb | 0.0248 | 0.2 | 24290.3 |
| Ca 370.602 | 135596 | ppb | 111.7 | 0.1 | 283214 |
| Cd 226.502 | 11.5799 | ppb | 0.1709 | 1.5 | 2359.76 |
| Co 228.615 | 165.880 | ppb | 2.8952 | 1.7 | 1440.78 |
| Cr 267.716 | 648.321 | ppb | 1.0380 | 0.2 | 17978.5 |
| Cu 324.754 | 719.855 | ppb | 5.4827 | 0.8 | 33860.7 |
| Fe 271.441 | 630638 | ppb | 2083.92 | 0.3 | 915291 |
| K 766.491 | 11018.0 | ppb | 28.9795 | 0.3 | 299816 |
| Mg 279.078 | 32589.8 | ppb | 23.5802 | 0.1 | 58863.7 |
| Mn 257.610 | 22263.6 | ppb | 85.9330 | 0.4 | 4601957 |
| Mo 202.032 | 23.3711 | ppb | 0.7468 | 3.2 | 138.140 |
| Na 330.237 | -396.675 | ppb | 136.817 | 34.5 | -152.356 |
| Ni 231.604 | 181.790 | ppb | 1.9683 | 1.1 | 423.113 |
| Pb 220.353 | 3490.01 | ppb | 8.7489 | 0.3 | 4545.76 |
| Sb 206.834 | 7.4355 | ppb | 5.2233 | 70.2 | 24.7120 |
| Se 196.026 | -2.5286 | ppb | 6.2162 | 245.8 | 16.3634 |
| Sn 189.925 | 114.108 | ppb | 4.4650 | 3.9 | 64.4437 |
| Sr 216.596 | 353.385 | ppb | 0.5560 | 0.2 | 3240.13 |
| Ti 334.941 | 1578.82 | ppb | 1.8688 | 0.1 | 343896 |
| Tl 190.794 | 25.5353 | ppb | 0.8795 | 3.4 | -42.6365 |
| V 292.401 | 662.027 | ppb | 1.0907 | 0.2 | 15234.7 |
| Zn 206.200 | 7263.89 | ppb | 23.0990 | 0.3 | 6795.44 |

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

Cont Calib Verif (CCV) 4/25/2013, 8:31:23 AM Rack 4, Tube 13
 Weight: 1 Volume: 1 Dilution: 1

| Label | Replicates Concentration | | |
|------------|--------------------------|---------|---------|
| Ag 328.068 | 505.439 | 487.298 | 506.640 |
| Al 308.215 | 5101.88 | 4878.05 | 5129.75 |
| As 188.980 | 504.700 | 482.334 | 508.549 |
| B 249.678 | 512.282 | 495.519 | 519.774 |
| Ba 389.178 | 5195.41 | 4966.99 | 5206.30 |
| Be 313.042 | 552.659 | 527.295 | 551.945 |
| Ca 370.602 | 5125 | 4921 | 5145 |
| Cd 226.502 | 539.321 | 515.793 | 540.610 |
| Co 228.615 | 541.837 | 519.582 | 543.594 |
| Cr 267.716 | 5312.15 | 5077.68 | 5326.86 |
| Cu 324.754 | 5329.67 | 5114.57 | 5278.80 |
| Fe 271.441 | 5204.67 | 4970.98 | 5203.26 |
| K 766.491 | 10546.1 | 10188.0 | 10555.8 |
| Mg 279.078 | 5291.28 | 5068.98 | 5288.10 |
| Mn 257.610 | 5429.05 | 5182.99 | 5405.98 |
| Mo 202.032 | 508.181 | 486.993 | 511.136 |
| Na 330.237 | 7634.20 | 7453.99 | 8137.63 |
| Ni 231.604 | 2714.85 | 2607.59 | 2722.39 |
| Pb 220.353 | 513.590 | 485.827 | 505.611 |
| Sb 206.834 | 980.607 | 930.654 | 983.886 |
| Se 196.026 | 5321.40 | 5069.99 | 5300.84 |
| Sn 189.925 | 5207.03 | 4916.69 | 5158.08 |
| Sr 216.596 | 2594.74 | 2480.62 | 2594.47 |
| Ti 334.941 | 512.948 | 490.430 | 514.489 |
| Tl 190.794 | 5199.29 | 4995.26 | 5184.19 |
| V 292.401 | 5162.38 | 4939.16 | 5166.31 |
| Zn 206.200 | 2747.92 | 2631.90 | 2731.10 |

| Label | Sol'n Conc. | Units | SD | %RSD | Int. (c/s) | QC Value |
|------------|-------------|-------|---------|------|------------|-----------|
| Ag 328.068 | 499.792 | ppb | 10.8369 | 2.2 | 32619.0 | 99.95849 |
| Al 308.215 | 5036.56 | ppb | 137.983 | 2.7 | 9715.32 | 100.73121 |
| As 188.980 | 498.527 | ppb | 14.1553 | 2.8 | 196.703 | 99.70547 |
| B 249.678 | 509.191 | ppb | 12.4193 | 2.4 | 5931.58 | 20.36766Q |
| Ba 389.178 | 5122.90 | ppb | 135.136 | 2.6 | 93416.6 | 102.45803 |
| Be 313.042 | 543.966 | ppb | 14.4423 | 2.7 | 839131 | 108.79327 |
| Ca 370.602 | 5063 | ppb | 123.9 | 2.4 | 11876 | 101.26678 |
| Cd 226.502 | 531.908 | ppb | 13.9707 | 2.6 | 16228.4 | 106.38158 |
| Co 228.615 | 535.005 | ppb | 13.3850 | 2.5 | 4619.85 | 107.00092 |
| Cr 267.716 | 5238.90 | ppb | 139.809 | 2.7 | 144335 | 104.77794 |
| Cu 324.754 | 5241.01 | ppb | 112.420 | 2.1 | 244359 | 104.82024 |
| Fe 271.441 | 5126.30 | ppb | 134.514 | 2.6 | 7579.04 | 102.52609 |
| K 766.491 | 10430.0 | ppb | 209.587 | 2.0 | 283825 | 104.29964 |
| Mg 279.078 | 5216.12 | ppb | 127.436 | 2.4 | 9413.10 | 104.32242 |
| Mn 257.610 | 5339.34 | ppb | 135.892 | 2.5 | 1103323 | 106.78680 |
| Mo 202.032 | 502.103 | ppb | 13.1694 | 2.6 | 3143.06 | 100.42068 |
| Na 330.237 | 7741.94 | ppb | 354.328 | 4.6 | 342.382 | 103.22587 |
| Ni 231.604 | 2681.61 | ppb | 64.2160 | 2.4 | 6174.42 | 107.26444 |
| Pb 220.353 | 501.676 | ppb | 14.2938 | 2.8 | 681.753 | 100.33519 |
| Sb 206.834 | 965.049 | ppb | 29.8322 | 3.1 | 916.709 | 96.50488 |
| Se 196.026 | 5230.74 | ppb | 139.598 | 2.7 | 2273.07 | 104.61486 |
| Sn 189.925 | 5093.93 | ppb | 155.436 | 3.1 | 3230.01 | 101.87857 |
| Sr 216.596 | 2556.61 | ppb | 65.8112 | 2.6 | 21724.3 | 102.26433 |
| Ti 334.941 | 505.956 | ppb | 13.4673 | 2.7 | 110150 | 101.19112 |
| Tl 190.794 | 5126.25 | ppb | 113.691 | 2.2 | 4210.99 | 102.52493 |
| V 292.401 | 5089.28 | ppb | 130.023 | 2.6 | 116936 | 101.78568 |
| Zn 206.200 | 2703.64 | ppb | 62.6915 | 2.3 | 2521.74 | 108.14555 |

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

Cont Calib Blank (CCB) 4/25/2013, 8:37:00 AM Rack 4, Tube 14

Weight: 1

Volume: 1

Dilution: 1

| Label | Replicates Concentration | | |
|------------|--------------------------|-----------|-----------|
| Ag 328.068 | 0.0587 | 0.3345 | 0.0059 |
| Al 308.215 | -2.0754u | -0.4018u | -2.2891u |
| As 188.980 | 7.9838 | -0.8034u | 4.0673 |
| B 249.678 | -23.5439u | -24.1843u | -24.6016u |
| Ba 389.178 | 1.6520 | 0.0347 | 1.0538 |
| Be 313.042 | -0.0014u | -0.0158u | -0.0096u |
| Ca 370.602 | 5.055 | 9.684 | 8.819 |
| Cd 226.502 | -0.0191u | -0.0984u | -0.2085u |
| Co 228.615 | 0.0183 | 0.1037 | 1.0951 |
| Cr 267.716 | -0.1195u | 0.3947 | 0.1161 |
| Cu 324.754 | 0.0880 | -0.1379u | -0.1220u |
| Fe 271.441 | -2.9754u | -2.5265u | 6.7430 |
| K 766.491 | -0.7487u | 0.4049 | 0.5244 |
| Mg 279.078 | 1.6527 | -1.6598u | -1.5724u |
| Mn 257.610 | -0.0238u | -0.0064u | 0.0093 |
| Mo 202.032 | -0.6258u | -0.6432u | -0.7624u |
| Na 330.237 | -268.954u | -238.942u | -54.5069u |
| Ni 231.604 | 0.8811 | 1.3711 | 2.7348 |
| Pb 220.353 | -1.5910u | -3.5376u | 1.4007 |
| Sb 206.834 | 1.0021 | 1.3838 | -4.4398u |
| Se 196.026 | -0.2836u | 5.5270 | -2.3225u |
| Sn 189.925 | -0.8042u | -1.0531u | -1.5547u |
| Sr 216.596 | -0.2432u | 0.0874 | 0.3298 |
| Ti 334.941 | -0.0293u | -0.0160u | -0.0446u |
| Tl 190.794 | -2.7605u | -3.2320u | -3.3348u |
| V 292.401 | -0.3835u | -0.4745u | -0.0672u |
| Zn 206.200 | -1.5164u | -1.0927u | -2.5115u |

| Label | Sol'n Conc. | Units | SD | %RSD | Int. (c/s) | QC Value |
|------------|-------------|-------|---------|--------|------------|------------|
| Ag 328.068 | 0.1331 | ppb | 0.1765 | 132.6 | -20.3041 | 0.13305 |
| Al 308.215 | -1.5888 | ppb | 1.0335 | 65.1 | -35.8514 | -1.58875 |
| As 188.980 | 3.7492 | ppb | 4.4022 | 117.4 | -8.9294 | 3.74924 |
| B 249.678 | -24.1100 | ppb | 0.5328 | 2.2 | 221.435 | -24.10997 |
| Ba 389.178 | 0.9135 | ppb | 0.8177 | 89.5 | -15.1151 | 0.91349 |
| Be 313.042 | -0.0090 | ppb | 0.0072 | 80.8 | -331.356 | -0.00896 |
| Ca 370.602 | 7.853 | ppb | 2.461 | 31.3 | 15.62 | 7.85276 |
| Cd 226.502 | -0.1087 | ppb | 0.0951 | 87.5 | 31.5506 | -0.10868 |
| Co 228.615 | 0.4057 | ppb | 0.5985 | 147.5 | -3.8692 | 0.40568 |
| Cr 267.716 | 0.1304 | ppb | 0.2574 | 197.4 | -24.4028 | 0.13042 |
| Cu 324.754 | -0.0573 | ppb | 0.1261 | 220.0 | 141.954 | -0.05733 |
| Fe 271.441 | 0.4137 | ppb | 5.4859 | 1326.1 | 28.7702 | 0.41369 |
| K 766.491 | 0.0602 | ppb | 0.7031 | 1167.6 | 194.005 | 0.06022 |
| Mg 279.078 | -0.5265 | ppb | 1.8878 | 358.5 | 32.1611 | -0.52651 |
| Mn 257.610 | -0.0070 | ppb | 0.0166 | 237.2 | 48.5692 | -0.00698 |
| Mo 202.032 | -0.6771 | ppb | 0.0743 | 11.0 | 16.4834 | -0.67713 |
| Na 330.237 | -187.468 | ppb | 116.121 | 61.9 | 51.0830 | -187.46762 |
| Ni 231.604 | 1.6623 | ppb | 0.9606 | 57.8 | -3.6709 | 1.66234 |
| Pb 220.353 | -1.2427 | ppb | 2.4875 | 200.2 | 31.7644 | -1.24266 |
| Sb 206.834 | -0.6846 | ppb | 3.2577 | 475.8 | -1.2378 | -0.68463 |
| Se 196.026 | 0.9736 | ppb | 4.0730 | 418.3 | 9.8255 | 0.97363 |
| Sn 189.925 | -1.1373 | ppb | 0.3822 | 33.6 | -8.8469 | -1.13734 |
| Sr 216.596 | 0.0580 | ppb | 0.2876 | 496.0 | 22.2729 | 0.05798 |
| Ti 334.941 | -0.0300 | ppb | 0.0143 | 47.7 | -34.2195 | -0.02996 |
| Tl 190.794 | -3.1091 | ppb | 0.3063 | 9.9 | -12.9427 | -3.10909 |
| V 292.401 | -0.3084 | ppb | 0.2138 | 69.3 | -13.7947 | -0.30836 |
| Zn 206.200 | -1.7069 | ppb | 0.7283 | 42.7 | 25.71044 | -1.70687 |

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

680-89459-a-33-a (Samp) 4/25/2013, 8:42:38 AM Rack 4, Tube 15

Weight: 1

Volume: 1

Dilution: 1

| Label | Replicates Concentration | | |
|------------|--------------------------|----------|-----------|
| Ag 328.068 | 1.9000 | 1.0724 | 0.6116 |
| Al 308.215 | 148593 | 149207 | 149649 |
| As 188.980 | 322.163 | 326.250 | 320.353 |
| B 249.678 | 32.4056u | 32.1794u | 32.2591u |
| Ba 389.178 | 2346.76 | 2353.42 | 2356.35 |
| Be 313.042 | 16.6743 | 16.7367 | 16.8014 |
| Ca 370.602 | 201335 | 201094 | 201611 |
| Cd 226.502 | 11.6660 | 12.0137 | 12.1923 |
| Co 228.615 | 111.891 | 110.594 | 111.106 |
| Cr 267.716 | 425.780 | 428.268 | 429.182 |
| Cu 324.754 | 1220.01 | 1233.91 | 1235.84 |
| Fe 271.441 | 372565 | 373624 | 374872 |
| K 766.491 | 12612.5 | 12691.3 | 12752.3 |
| Mg 279.078 | 59481.7 | 59556.3 | 59665.1 |
| Mn 257.610 | 12247.7 | 12272.1 | 12274.5 |
| Mo 202.032 | 22.9337 | 23.9363 | 22.5658 |
| Na 330.237 | -84.9543u | 257.164u | -71.1709u |
| Ni 231.604 | 192.288 | 195.698 | 194.436 |
| Pb 220.353 | 4119.60 | 4126.92 | 4144.78 |
| Sb 206.834 | 6.7766 | 0.8065 | 11.1192 |
| Se 196.026 | 10.2485 | -6.4756 | 13.7258 |
| Sn 189.925 | 159.816 | 145.989 | 149.261 |
| Sr 216.596 | 547.574 | 545.792 | 549.230 |
| Ti 334.941 | 1420.22 | 1424.61 | 1431.54 |
| Tl 190.794 | 20.7412u | 11.2110u | 10.5083u |
| V 292.401 | 425.772 | 426.256 | 428.813 |
| Zn 206.200 | 5208.87 | 5201.32 | 5212.13 |

| Label | Sol'n Conc. | Units | SD | %RSD | Int. (c/s) |
|------------|-------------|-------|---------|-------|------------|
| Ag 328.068 | 1.1947 | ppb | 0.6528 | 54.6 | 28.4746 |
| Al 308.215 | 149150 | ppb | 530.169 | 0.4 | 288876 |
| As 188.980 | 322.922 | ppb | 3.0212 | 0.9 | 126.209 |
| B 249.678 | 32.2814 | ppb | 0.1147 | 0.4 | 426.119 |
| Ba 389.178 | 2352.18 | ppb | 4.9148 | 0.2 | 43403.9 |
| Be 313.042 | 16.7375 | ppb | 0.0635 | 0.4 | 25559.2 |
| Ca 370.602 | 201346 | ppb | 258.7 | 0.1 | 454068 |
| Cd 226.502 | 11.9574 | ppb | 0.2676 | 2.2 | 1567.19 |
| Co 228.615 | 111.197 | ppb | 0.6534 | 0.6 | 971.545 |
| Cr 267.716 | 427.743 | ppb | 1.7606 | 0.4 | 11841.2 |
| Cu 324.754 | 1229.92 | ppb | 8.6370 | 0.7 | 57562.4 |
| Fe 271.441 | 373687 | ppb | 1154.59 | 0.3 | 542373 |
| K 766.491 | 12685.4 | ppb | 70.1077 | 0.6 | 345158 |
| Mg 279.078 | 59567.7 | ppb | 92.2074 | 0.2 | 107851 |
| Mn 257.610 | 12264.7 | ppb | 14.8307 | 0.1 | 2535460 |
| Mo 202.032 | 23.1453 | ppb | 0.7093 | 3.1 | 148.213 |
| Na 330.237 | 33.6797 | ppb | 193.666 | 575.0 | -64.0066 |
| Ni 231.604 | 194.140 | ppb | 1.7243 | 0.9 | 446.903 |
| Pb 220.353 | 4130.43 | ppb | 12.9528 | 0.3 | 5371.53 |
| Sb 206.834 | 6.2341 | ppb | 5.1777 | 83.1 | 16.3655 |
| Se 196.026 | 5.8329 | ppb | 10.8004 | 185.2 | 16.4974 |
| Sn 189.925 | 151.689 | ppb | 7.2260 | 4.8 | 88.3600 |
| Sr 216.596 | 547.532 | ppb | 1.7198 | 0.3 | 4813.95 |
| Ti 334.941 | 1425.46 | ppb | 5.7072 | 0.4 | 310579 |
| Tl 190.794 | 14.1535 | ppb | 5.7159 | 40.4 | -29.1524 |
| V 292.401 | 426.947 | ppb | 1.6338 | 0.4 | 9826.18 |
| Zn 206.200 | 5207.44 | ppb | 5.5456 | 0.1 | 4872.45 |

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

680-89459-a-34-a (Samp) 4/25/2013, 8:48:16 AM Rack 4, Tube 16

Weight: 1

Volume: 1

Dilution: 1

| Label | Replicates Concentration | | |
|------------|--------------------------|-----------|----------|
| Ag 328.068 | 4.0627 | 4.6936 | 5.0221 |
| Al 308.215 | 149394 | 149620 | 148376 |
| As 188.980 | 400.886 | 397.554 | 383.888 |
| B 249.678 | 55.1325u | 55.1818u | 57.5621u |
| Ba 389.178 | 5037.25 | 5054.41 | 5053.12 |
| Be 313.042 | 21.8908 | 21.9029 | 21.8606 |
| Ca 370.602 | 142718 | 143081 | 142624 |
| Cd 226.502 | 23.2789 | 23.0260 | 23.8109 |
| Co 228.615 | 142.340 | 141.947 | 144.726 |
| Cr 267.716 | 619.780 | 621.252 | 616.736 |
| Cu 324.754 | 837.931 | 850.318 | 848.307 |
| Fe 271.441 | 602709 | 603509 | 604248 |
| K 766.491 | 18275.5 | 18290.0 | 18249.7 |
| Mg 279.078 | 27040.6 | 27062.1 | 27093.8 |
| Mn 257.610 | 24028.9 | 23925.7 | 23952.3 |
| Mo 202.032 | 34.5876 | 35.1947 | 34.9544 |
| Na 330.237 | -146.433u | -84.6475u | 80.8608u |
| Ni 231.604 | 211.008 | 209.571 | 209.326 |
| Pb 220.353 | 3273.88 | 3267.40 | 3255.19 |
| Sb 206.834 | 12.5920 | 23.1469 | 6.6093 |
| Se 196.026 | -6.5499 | -0.1449 | 1.5452 |
| Sn 189.925 | 202.261 | 201.428 | 204.610 |
| Sr 216.596 | 1198.78 | 1199.85 | 1196.03 |
| Ti 334.941 | 2098.70 | 2104.31 | 2097.32 |
| Tl 190.794 | 37.0303u | 29.6996u | 40.4415u |
| V 292.401 | 770.984 | 772.619 | 773.046 |
| Zn 206.200 | 10234.9 | 10209.7 | 10218.7 |

| Label | Sol'n Conc. | Units | SD | %RSD | Int. (c/s) |
|------------|-------------|-------|---------|-------|------------|
| Ag 328.068 | 4.5928 | ppb | 0.4876 | 10.6 | 243.285 |
| Al 308.215 | 149130 | ppb | 662.644 | 0.4 | 288837 |
| As 188.980 | 394.109 | ppb | 9.0074 | 2.3 | 157.313 |
| B 249.678 | 55.9588 | ppb | 1.3887 | 2.5 | 433.775 |
| Ba 389.178 | 5048.26 | ppb | 9.5555 | 0.2 | 92759.9 |
| Be 313.042 | 21.8848 | ppb | 0.0218 | 0.1 | 33469.6 |
| Ca 370.602 | 142808 | ppb | 241.6 | 0.2 | 302028 |
| Cd 226.502 | 23.3719 | ppb | 0.4007 | 1.7 | 2633.17 |
| Co 228.615 | 143.004 | ppb | 1.5043 | 1.1 | 1253.69 |
| Cr 267.716 | 619.256 | ppb | 2.3030 | 0.4 | 17178.0 |
| Cu 324.754 | 845.519 | ppb | 6.6474 | 0.8 | 39708.8 |
| Fe 271.441 | 603489 | ppb | 769.958 | 0.1 | 875888 |
| K 766.491 | 18271.7 | ppb | 20.4378 | 0.1 | 497074 |
| Mg 279.078 | 27065.5 | ppb | 26.7383 | 0.1 | 48816.2 |
| Mn 257.610 | 23969.0 | ppb | 53.5800 | 0.2 | 4954223 |
| Mo 202.032 | 34.9122 | ppb | 0.3057 | 0.9 | 211.099 |
| Na 330.237 | -50.0733 | ppb | 117.525 | 234.7 | -152.552 |
| Ni 231.604 | 209.968 | ppb | 0.9084 | 0.4 | 487.588 |
| Pb 220.353 | 3265.49 | ppb | 9.4913 | 0.3 | 4255.21 |
| Sb 206.834 | 14.1161 | ppb | 8.3735 | 59.3 | 29.8407 |
| Se 196.026 | -1.7165 | ppb | 4.2703 | 248.8 | 16.9435 |
| Sn 189.925 | 202.766 | ppb | 1.6505 | 0.8 | 120.805 |
| Sr 216.596 | 1198.22 | ppb | 1.9689 | 0.2 | 10418.8 |
| Ti 334.941 | 2100.11 | ppb | 3.7028 | 0.2 | 457373 |
| Tl 190.794 | 35.7238 | ppb | 5.4889 | 15.4 | -35.1102 |
| V 292.401 | 772.216 | ppb | 1.0884 | 0.1 | 17780.5 |
| Zn 206.200 | 10221.1 | ppb | 12.7750 | 0.1 | 9561.39 |

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

680-89459-a-35-a (Samp) 4/25/2013, 8:53:54 AM Rack 4, Tube 17

Weight: 1

Volume: 1

Dilution: 1

| Label | Replicates Concentration | | |
|------------|--------------------------|-----------|-----------|
| Ag 328.068 | 2.6587 | 2.4696 | 2.6143 |
| Al 308.215 | 113398 | 112761 | 112888 |
| As 188.980 | 416.290 | 419.335 | 421.303 |
| B 249.678 | -4.4407u | -6.4597u | -6.2266u |
| Ba 389.178 | 2935.02 | 2936.68 | 2932.10 |
| Be 313.042 | 13.7642 | 13.7497 | 13.7359 |
| Ca 370.602 | 113116 | 112893 | 112870 |
| Cd 226.502 | 13.8468 | 14.0605 | 13.7501 |
| Co 228.615 | 155.175 | 157.860 | 154.953 |
| Cr 267.716 | 554.922 | 553.058 | 552.893 |
| Cu 324.754 | 808.607 | 813.257 | 822.902 |
| Fe 271.441 | 513017 | 511166 | 512045 |
| K 766.491 | 11309.9 | 11285.9 | 11324.6 |
| Mg 279.078 | 34663.7 | 34586.6 | 34546.9 |
| Mn 257.610 | 17324.2 | 17308.8 | 17290.9 |
| Mo 202.032 | 19.5325 | 19.5350 | 19.7438 |
| Na 330.237 | -448.615u | -687.028u | -461.517u |
| Ni 231.604 | 208.129 | 208.802 | 205.870 |
| Pb 220.353 | 4413.93 | 4407.93 | 4386.93 |
| Sb 206.834 | 9.5532 | 6.6956 | 3.0690 |
| Se 196.026 | 9.6291 | 0.0180 | 3.8539 |
| Sn 189.925 | 160.802 | 159.194 | 148.774 |
| Sr 216.596 | 373.516 | 370.467 | 369.528 |
| Ti 334.941 | 1572.94 | 1569.80 | 1571.89 |
| Tl 190.794 | 16.7481u | 25.0627u | 21.0848u |
| V 292.401 | 454.532 | 454.740 | 453.761 |
| Zn 206.200 | 8090.16 | 8097.78 | 8088.52 |

| Label | Sol'n Conc. | Units | SD | %RSD | Int. (c/s) |
|------------|-------------|-------|---------|-------|------------|
| Ag 328.068 | 2.5809 | ppb | 0.0989 | 3.8 | 128.258 |
| Al 308.215 | 113016 | ppb | 337.302 | 0.3 | 218882 |
| As 188.980 | 418.976 | ppb | 2.5259 | 0.6 | 167.051 |
| B 249.678 | -5.7090 | ppb | 1.1046 | 19.3 | -129.089 |
| Ba 389.178 | 2934.60 | ppb | 2.3195 | 0.1 | 54127.9 |
| Be 313.042 | 13.7499 | ppb | 0.0142 | 0.1 | 20916.3 |
| Ca 370.602 | 112960 | ppb | 135.9 | 0.1 | 236766 |
| Cd 226.502 | 13.8858 | ppb | 0.1589 | 1.1 | 2058.17 |
| Co 228.615 | 155.996 | ppb | 1.6181 | 1.0 | 1358.15 |
| Cr 267.716 | 553.624 | ppb | 1.1269 | 0.2 | 15341.4 |
| Cu 324.754 | 814.922 | ppb | 7.2913 | 0.9 | 38260.1 |
| Fe 271.441 | 512076 | ppb | 925.839 | 0.2 | 743221 |
| K 766.491 | 11306.8 | ppb | 19.5423 | 0.2 | 307670 |
| Mg 279.078 | 34599.1 | ppb | 59.3803 | 0.2 | 62556.5 |
| Mn 257.610 | 17307.9 | ppb | 16.6918 | 0.1 | 3577714 |
| Mo 202.032 | 19.6038 | ppb | 0.1213 | 0.6 | 120.116 |
| Na 330.237 | -532.386 | ppb | 134.079 | 25.2 | -135.195 |
| Ni 231.604 | 207.600 | ppb | 1.5360 | 0.7 | 480.445 |
| Pb 220.353 | 4402.93 | ppb | 14.1775 | 0.3 | 5724.98 |
| Sb 206.834 | 6.4393 | ppb | 3.2497 | 50.5 | 20.5425 |
| Se 196.026 | 4.5003 | ppb | 4.8380 | 107.5 | 17.7217 |
| Sn 189.925 | 156.257 | ppb | 6.5297 | 4.2 | 91.2319 |
| Sr 216.596 | 371.170 | ppb | 2.0853 | 0.6 | 3350.94 |
| Ti 334.941 | 1571.54 | ppb | 1.6003 | 0.1 | 342308 |
| Tl 190.794 | 20.9652 | ppb | 4.1586 | 19.8 | -35.4624 |
| V 292.401 | 454.344 | ppb | 0.5160 | 0.1 | 10453.6 |
| Zn 206.200 | 8092.15 | ppb | 4.9497 | 0.1 | 7570.30 |

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

680-89513-b-18-a (Samp) 4/25/2013, 8:59:32 AM Rack 4, Tube 18

Weight: 1

Volume: 1

Dilution: 1

| Label | Replicates Concentration | | |
|------------|--------------------------|-----------|-----------|
| Ag 328.068 | 3.8165 | 2.4812 | 2.1273 |
| Al 308.215 | 108648 | 109125 | 108777 |
| As 188.980 | 219.012 | 214.014 | 219.912 |
| B 249.678 | 25.0434u | 25.0233u | 26.2208u |
| Ba 389.178 | 2278.07 | 2283.77 | 2280.03 |
| Be 313.042 | 12.6629 | 12.6685 | 12.6852 |
| Ca 370.602 | 276281 | 277661 | 278491 |
| Cd 226.502 | 27.7282 | 28.0470 | 28.6047 |
| Co 228.615 | 102.793 | 100.261 | 102.175 |
| Cr 267.716 | 764.136 | 767.798 | 766.011 |
| Cu 324.754 | 1595.33 | 1567.71 | 1599.97 |
| Fe 271.441 | 485862 | 485837 | 485797 |
| K 766.491 | 12333.7 | 12363.0 | 12346.0 |
| Mg 279.078 | 111183 | 111189 | 111173 |
| Mn 257.610 | 17467.9 | 17386.1 | 17466.2 |
| Mo 202.032 | 44.1514 | 44.1747 | 42.5342 |
| Na 330.237 | -498.459u | -325.785u | -945.520u |
| Ni 231.604 | 380.999 | 380.910 | 383.344 |
| Pb 220.353 | 3937.89 | 3930.81 | 3926.30 |
| Sb 206.834 | 18.4650 | 19.8490 | 13.3634 |
| Se 196.026 | -7.6816 | 1.0562 | 4.3429 |
| Sn 189.925 | 142.436 | 141.825 | 139.415 |
| Sr 216.596 | 500.826 | 498.861 | 498.888 |
| Ti 334.941 | 1651.36 | 1655.58 | 1655.24 |
| Tl 190.794 | 12.2766u | 16.8237u | 16.8985u |
| V 292.401 | 553.633 | 553.300 | 552.522 |
| Zn 206.200 | 8557.89 | 8469.29 | 8533.77 |

| Label | Sol'n Conc. | Units | SD | %RSD | Int. (c/s) |
|------------|-------------|-------|---------|-------|------------|
| Ag 328.068 | 2.8084 | ppb | 0.8908 | 31.7 | 141.113 |
| Al 308.215 | 108850 | ppb | 246.800 | 0.2 | 210814 |
| As 188.980 | 217.646 | ppb | 3.1775 | 1.5 | 83.1812 |
| B 249.678 | 25.4291 | ppb | 0.6857 | 2.7 | 232.116 |
| Ba 389.178 | 2280.62 | ppb | 2.8927 | 0.1 | 42332.3 |
| Be 313.042 | 12.6722 | ppb | 0.0116 | 0.1 | 19292.5 |
| Ca 370.602 | 277478 | ppb | 1116 | 0.4 | 627457 |
| Cd 226.502 | 28.1266 | ppb | 0.4437 | 1.6 | 2411.78 |
| Co 228.615 | 101.743 | ppb | 1.3198 | 1.3 | 891.934 |
| Cr 267.716 | 765.982 | ppb | 1.8314 | 0.2 | 21190.0 |
| Cu 324.754 | 1587.67 | ppb | 17.4411 | 1.1 | 74265.1 |
| Fe 271.441 | 485832 | ppb | 32.5682 | 0.0 | 705128 |
| K 766.491 | 12347.6 | ppb | 14.7132 | 0.1 | 335973 |
| Mg 279.078 | 111182 | ppb | 8.0599 | 0.0 | 201355 |
| Mn 257.610 | 17440.1 | ppb | 46.7253 | 0.3 | 3605353 |
| Mo 202.032 | 43.6201 | ppb | 0.9405 | 2.2 | 270.816 |
| Na 330.237 | -589.921 | ppb | 319.831 | 54.2 | -134.516 |
| Ni 231.604 | 381.751 | ppb | 1.3803 | 0.4 | 881.440 |
| Pb 220.353 | 3931.67 | ppb | 5.8438 | 0.1 | 5115.88 |
| Sb 206.834 | 17.2258 | ppb | 3.4158 | 19.8 | 31.3810 |
| Se 196.026 | -0.7608 | ppb | 6.2148 | 816.8 | 15.3433 |
| Sn 189.925 | 141.225 | ppb | 1.5977 | 1.1 | 81.7310 |
| Sr 216.596 | 499.525 | ppb | 1.1268 | 0.2 | 4445.09 |
| Ti 334.941 | 1654.06 | ppb | 2.3430 | 0.1 | 360543 |
| Tl 190.794 | 15.3329 | ppb | 2.6471 | 17.3 | -39.1716 |
| V 292.401 | 553.152 | ppb | 0.5703 | 0.1 | 12717.6 |
| Zn 206.200 | 8520.32 | ppb | 45.8103 | 0.5 | 7970.37 |

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

680-89513-b-19-a (Samp) 4/25/2013, 9:05:10 AM Rack 4, Tube 19

Weight: 1

Volume: 1

Dilution: 1

| Label | Replicates Concentration | | |
|------------|--------------------------|-----------|-----------|
| Ag 328.068 | -0.0170u | -0.0746u | 0.0229u |
| Al 308.215 | 162867 | 163282 | 161377 |
| As 188.980 | 402.094 | 394.306 | 395.126 |
| B 249.678 | -49.2960u | -49.4397u | -46.9268u |
| Ba 389.178 | 1580.87 | 1583.31 | 1585.17 |
| Be 313.042 | 22.0206 | 22.0741 | 22.0403 |
| Ca 370.602 | 55865 | 55929 | 55916 |
| Cd 226.502 | 0.8665 | 1.0781 | 1.7034 |
| Co 228.615 | 178.093 | 181.853 | 180.137 |
| Cr 267.716 | 973.577 | 974.700 | 965.209 |
| Cu 324.754 | 425.770 | 427.329 | 427.406 |
| Fe 271.441 | 745590 | 745590 | 744979 |
| K 766.491 | 6595.14 | 6596.45 | 6596.10 |
| Mg 279.078 | 15306.7 | 15334.1 | 15329.9 |
| Mn 257.610 | 11631.9 | 11633.3 | 11638.0 |
| Mo 202.032 | 29.1428 | 29.0624 | 29.2552 |
| Na 330.237 | 556.631u | 486.473u | 471.059u |
| Ni 231.604 | 149.352 | 149.921 | 147.246 |
| Pb 220.353 | 1436.09 | 1420.46 | 1412.64 |
| Sb 206.834 | 13.9216 | 22.3626 | 9.2011 |
| Se 196.026 | 1.4828 | -9.4231 | -3.2088 |
| Sn 189.925 | 90.4967 | 87.6981 | 97.4839 |
| Sr 216.596 | 295.345 | 294.883 | 290.110 |
| Ti 334.941 | 1171.68 | 1173.13 | 1168.63 |
| Tl 190.794 | 0.5023u | 1.7759u | 6.7026u |
| V 292.401 | 1243.35 | 1244.33 | 1245.11 |
| Zn 206.200 | 3447.68 | 3443.65 | 3468.56 |

| Label | Sol'n Conc. | Units | SD | %RSD | Int. (c/s) |
|------------|-------------|-------|---------|-------|------------|
| Ag 328.068 | -0.0229 | ppb | 0.0490 | 213.9 | -87.9966 |
| Al 308.215 | 162509 | ppb | 1001.53 | 0.6 | 314748 |
| As 188.980 | 397.176 | ppb | 4.2794 | 1.1 | 159.522 |
| B 249.678 | -48.5542 | ppb | 1.4112 | 2.9 | -838.208 |
| Ba 389.178 | 1583.12 | ppb | 2.1556 | 0.1 | 29704.9 |
| Be 313.042 | 22.0450 | ppb | 0.0270 | 0.1 | 33682.0 |
| Ca 370.602 | 55903 | ppb | 33.56 | 0.1 | 87509 |
| Cd 226.502 | 1.2160 | ppb | 0.4351 | 35.8 | 2402.87 |
| Co 228.615 | 180.027 | ppb | 1.8826 | 1.0 | 1552.71 |
| Cr 267.716 | 971.162 | ppb | 5.1857 | 0.5 | 26861.5 |
| Cu 324.754 | 426.835 | ppb | 0.9229 | 0.2 | 20231.5 |
| Fe 271.441 | 745387 | ppb | 352.653 | 0.0 | 1081830 |
| K 766.491 | 6595.90 | ppb | 0.6785 | 0.0 | 179561 |
| Mg 279.078 | 15323.5 | ppb | 14.7636 | 0.1 | 27723.0 |
| Mn 257.610 | 11634.4 | ppb | 3.2384 | 0.0 | 2405897 |
| Mo 202.032 | 29.1534 | ppb | 0.0968 | 0.3 | 168.303 |
| Na 330.237 | 504.721 | ppb | 45.6113 | 9.0 | -119.172 |
| Ni 231.604 | 148.840 | ppb | 1.4092 | 0.9 | 349.256 |
| Pb 220.353 | 1423.06 | ppb | 11.9382 | 0.8 | 1871.95 |
| Sb 206.834 | 15.1618 | ppb | 6.6678 | 44.0 | 36.9228 |
| Se 196.026 | -3.7164 | ppb | 5.4707 | 147.2 | 14.1397 |
| Sn 189.925 | 91.8929 | ppb | 5.0401 | 5.5 | 50.2934 |
| Sr 216.596 | 293.446 | ppb | 2.8982 | 1.0 | 2761.01 |
| Ti 334.941 | 1171.14 | ppb | 2.2977 | 0.2 | 255086 |
| Tl 190.794 | 2.9936 | ppb | 3.2746 | 109.4 | -52.9887 |
| V 292.401 | 1244.26 | ppb | 0.8833 | 0.1 | 28629.9 |
| Zn 206.200 | 3453.30 | ppb | 13.3695 | 0.4 | 3220.79 |

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

680-89513-b-23-a (Samp) 4/25/2013, 9:10:48 AM Rack 4, Tube 20

Weight: 1

Volume: 1

Dilution: 1

| Label | Replicates Concentration | | |
|------------|--------------------------|-----------|-----------|
| Ag 328.068 | 5.9400 | 5.9843 | 5.3454 |
| Al 308.215 | 146041 | 145660 | 149761 |
| As 188.980 | 273.259 | 270.571 | 280.283 |
| B 249.678 | 17.5348u | 18.4751u | 18.6460u |
| Ba 389.178 | 4299.26 | 4308.00 | 4439.74 |
| Be 313.042 | 19.9854 | 20.0097 | 20.6448 |
| Ca 370.602 | 85545 | 85685 | 87810 |
| Cd 226.502 | 21.3773 | 21.4545 | 24.2967 |
| Co 228.615 | 139.568 | 138.405 | 142.850 |
| Cr 267.716 | 652.832 | 655.184 | 674.717 |
| Cu 324.754 | 1064.99 | 1043.88 | 1081.26 |
| Fe 271.441 | 518132 | 516427 | 533374 |
| K 766.491 | 10280.6 | 10285.1 | 10550.5 |
| Mg 279.078 | 18235.7 | 18250.2 | 18852.2 |
| Mn 257.610 | 19125.2 | 19211.8 | 19799.7 |
| Mo 202.032 | 28.3127 | 27.6323 | 29.3682 |
| Na 330.237 | -447.707u | -525.705u | -820.551u |
| Ni 231.604 | 223.394 | 223.181 | 227.644 |
| Pb 220.353 | 4679.53 | 4669.23 | 4818.77 |
| Sb 206.834 | 17.4705 | 12.0063 | 21.6426 |
| Se 196.026 | 7.6172 | -10.7396 | 4.2683 |
| Sn 189.925 | 205.438 | 211.189 | 217.170 |
| Sr 216.596 | 739.407 | 738.018 | 763.404 |
| Ti 334.941 | 2030.98 | 2075.93 | 2143.63 |
| Tl 190.794 | 27.2427u | 27.4399u | 22.4618u |
| V 292.401 | 764.287 | 766.674 | 793.348 |
| Zn 206.200 | 10177.0 | 10177.7 | 10534.3 |

| Label | Sol'n Conc. | Units | SD | %RSD | Int. (c/s) |
|------------|-------------|-------|---------|--------|------------|
| Ag 328.068 | 5.7566 | ppb | 0.3568 | 6.2 | 329.924 |
| Al 308.215 | 147154 | ppb | 2265.48 | 1.5 | 285008 |
| As 188.980 | 274.704 | ppb | 5.0144 | 1.8 | 107.145 |
| B 249.678 | 18.2186 | ppb | 0.5984 | 3.3 | 115.604 |
| Ba 389.178 | 4349.00 | ppb | 78.7033 | 1.8 | 79900.2 |
| Be 313.042 | 20.2133 | ppb | 0.3739 | 1.8 | 30877.1 |
| Ca 370.602 | 86347 | ppb | 1269 | 1.5 | 173272 |
| Cd 226.502 | 22.3762 | ppb | 1.6637 | 7.4 | 2350.57 |
| Co 228.615 | 140.274 | ppb | 2.3049 | 1.6 | 1232.22 |
| Cr 267.716 | 660.911 | ppb | 12.0139 | 1.8 | 18303.6 |
| Cu 324.754 | 1063.38 | ppb | 18.7440 | 1.8 | 49839.2 |
| Fe 271.441 | 522644 | ppb | 9331.17 | 1.8 | 758559 |
| K 766.491 | 10372.1 | ppb | 154.563 | 1.5 | 282251 |
| Mg 279.078 | 18446.1 | ppb | 351.833 | 1.9 | 33244.8 |
| Mn 257.610 | 19378.9 | ppb | 367.003 | 1.9 | 4005565 |
| Mo 202.032 | 28.4377 | ppb | 0.8747 | 3.1 | 174.205 |
| Na 330.237 | -597.987 | ppb | 196.651 | 32.9 | -155.860 |
| Ni 231.604 | 224.740 | ppb | 2.5175 | 1.1 | 520.168 |
| Pb 220.353 | 4722.51 | ppb | 83.5196 | 1.8 | 6137.73 |
| Sb 206.834 | 17.0398 | ppb | 4.8326 | 28.4 | 31.2802 |
| Se 196.026 | 0.3819 | ppb | 9.7760 | 2559.6 | 16.4443 |
| Sn 189.925 | 211.266 | ppb | 5.8665 | 2.8 | 126.191 |
| Sr 216.596 | 746.943 | ppb | 14.2727 | 1.9 | 6548.79 |
| Ti 334.941 | 2083.51 | ppb | 56.7092 | 2.7 | 453722 |
| Tl 190.794 | 25.7148 | ppb | 2.8189 | 11.0 | -34.3922 |
| V 292.401 | 774.770 | ppb | 16.1332 | 2.1 | 17837.9 |
| Zn 206.200 | 10296.3 | ppb | 206.114 | 2.0 | 9621.69 |

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

680-89513-b-23-b ms (Samp) 4/25/2013, 9:16:25 AM Rack 4, Tube 21

Weight: 1

Volume: 1

Dilution: 1

| Label | Replicates Concentration | | |
|------------|--------------------------|----------|----------|
| Ag 328.068 | 43.7602 | 43.7714 | 44.2786 |
| Al 308.215 | 161974 | 161077 | 160654 |
| As 188.980 | 409.480 | 402.811 | 417.721 |
| B 249.678 | 172.215 | 172.739 | 174.622 |
| Ba 389.178 | 4124.82 | 4124.61 | 4135.95 |
| Be 313.042 | 75.2934 | 75.2701 | 75.5344 |
| Ca 370.602 | 292437 | 290528 | 289986 |
| Cd 226.502 | 72.7336 | 73.6609 | 74.3720 |
| Co 228.615 | 197.373 | 200.332 | 202.232 |
| Cr 267.716 | 810.625 | 804.601 | 803.762 |
| Cu 324.754 | 928.948 | 932.226 | 930.834 |
| Fe 271.441 | 580024 | 578050 | 581461 |
| K 766.491 | 17677.2 | 17696.2 | 17700.7 |
| Mg 279.078 | 150551 | 150492 | 151075 |
| Mn 257.610 | 20539.3 | 20562.3 | 20642.5 |
| Mo 202.032 | 118.012 | 116.950 | 118.971 |
| Na 330.237 | 5776.71 | 5737.42 | 5657.34 |
| Ni 231.604 | 290.040 | 290.526 | 287.340 |
| Pb 220.353 | 4429.89 | 4404.46 | 4431.55 |
| Sb 206.834 | 44.2693 | 40.1579 | 35.1010 |
| Se 196.026 | 93.8502 | 119.129 | 86.8732 |
| Sn 189.925 | 334.902 | 330.781 | 328.452 |
| Sr 216.596 | 825.504 | 823.393 | 824.587 |
| Ti 334.941 | 2370.84 | 2365.98 | 2366.89 |
| Tl 190.794 | 56.4520u | 57.5056u | 53.1072u |
| V 292.401 | 987.384 | 988.397 | 992.416 |
| Zn 206.200 | 8670.46 | 8685.53 | 8807.97 |

| Label | Sol'n Conc. | Units | SD | %RSD | Int. (c/s) |
|------------|-------------|-------|---------|------|------------|
| Ag 328.068 | 43.9367 | ppb | 0.2961 | 0.7 | 2821.39 |
| Al 308.215 | 161235 | ppb | 673.922 | 0.4 | 312287 |
| As 188.980 | 410.004 | ppb | 7.4686 | 1.8 | 163.749 |
| B 249.678 | 173.192 | ppb | 1.2658 | 0.7 | 1715.69 |
| Ba 389.178 | 4128.46 | ppb | 6.4887 | 0.2 | 76216.9 |
| Be 313.042 | 75.3660 | ppb | 0.1463 | 0.2 | 116046 |
| Ca 370.602 | 290984 | ppb | 1287 | 0.4 | 653905 |
| Cd 226.502 | 73.5888 | ppb | 0.8216 | 1.1 | 4087.30 |
| Co 228.615 | 199.979 | ppb | 2.4486 | 1.2 | 1749.85 |
| Cr 267.716 | 806.329 | ppb | 3.7435 | 0.5 | 22320.9 |
| Cu 324.754 | 930.669 | ppb | 1.6450 | 0.2 | 43670.6 |
| Fe 271.441 | 579845 | ppb | 1712.83 | 0.3 | 841583 |
| K 766.491 | 17691.4 | ppb | 12.4732 | 0.1 | 481292 |
| Mg 279.078 | 150706 | ppb | 320.876 | 0.2 | 272950 |
| Mn 257.610 | 20581.3 | ppb | 54.1678 | 0.3 | 4254850 |
| Mo 202.032 | 117.978 | ppb | 1.0114 | 0.9 | 729.722 |
| Na 330.237 | 5723.82 | ppb | 60.8325 | 1.1 | 86.1100 |
| Ni 231.604 | 289.302 | ppb | 1.7165 | 0.6 | 670.041 |
| Pb 220.353 | 4421.97 | ppb | 15.1860 | 0.3 | 5749.05 |
| Sb 206.834 | 39.8427 | ppb | 4.5923 | 11.5 | 53.6141 |
| Se 196.026 | 99.9509 | ppb | 16.9713 | 17.0 | 60.0642 |
| Sn 189.925 | 331.379 | ppb | 3.2665 | 1.0 | 202.612 |
| Sr 216.596 | 824.495 | ppb | 1.0589 | 0.1 | 7240.19 |
| Ti 334.941 | 2367.90 | ppb | 2.5869 | 0.1 | 516113 |
| Tl 190.794 | 55.6883 | ppb | 2.2965 | 4.1 | -13.4696 |
| V 292.401 | 989.399 | ppb | 2.6614 | 0.3 | 22767.2 |
| Zn 206.200 | 8721.32 | ppb | 75.4195 | 0.8 | 8158.30 |

680-89513-b-23-c msd (Samp) 4/25/2013, 9:22:03 AM Rack 4, Tube 22

Weight: 1 Volume: 1 Dilution: 1

| Label | Replicates Concentration | | |
|------------|--------------------------|---------|---------|
| Ag 328.068 | 16.0432 | 16.2716 | 16.8743 |
| Al 308.215 | 165341 | 164224 | 166053 |
| As 188.980 | 377.560 | 382.676 | 392.282 |
| B 249.678 | 286.757 | 288.511 | 292.019 |
| Ba 389.178 | 4420.49 | 4433.87 | 4458.57 |
| Be 313.042 | 76.2118 | 76.2069 | 76.7346 |
| Ca 370.602 | 108546 | 108536 | 109308 |
| Cd 226.502 | 74.1962 | 74.9567 | 75.6671 |
| Co 228.615 | 203.246 | 205.556 | 208.896 |
| Cr 267.716 | 747.621 | 744.377 | 752.023 |
| Cu 324.754 | 1007.21 | 1009.46 | 1026.82 |
| Fe 271.441 | 493556 | 494220 | 497872 |
| K 766.491 | 17311.0 | 17344.6 | 17431.5 |
| Mg 279.078 | 30466.5 | 30514.9 | 30760.9 |
| Mn 257.610 | 23874.4 | 23977.3 | 24171.8 |
| Mo 202.032 | 125.210 | 125.466 | 126.333 |
| Na 330.237 | 5276.76 | 5621.15 | 4981.86 |
| Ni 231.604 | 303.130 | 304.990 | 304.655 |
| Pb 220.353 | 5314.11 | 5306.95 | 5384.16 |
| Sb 206.834 | 42.3810 | 40.4725 | 46.1275 |
| Se 196.026 | 96.9417 | 96.4830 | 85.7250 |
| Sn 189.925 | 1272.38 | 1270.68 | 1295.82 |
| Sr 216.596 | 905.219 | 905.929 | 916.351 |
| Ti 334.941 | 2363.65 | 2361.20 | 2377.59 |
| Tl 190.794 | 73.1893 | 69.9736 | 66.0197 |
| V 292.401 | 849.316 | 851.238 | 855.953 |
| Zn 206.200 | 10054.6 | 10065.4 | 10193.4 |

| Label | Sol'n Conc. | Units | SD | %RSD | Int. (c/s) |
|------------|-------------|-------|---------|------|------------|
| Ag 328.068 | 16.3964 | ppb | 0.4294 | 2.6 | 1042.33 |
| Al 308.215 | 165206 | ppb | 921.938 | 0.6 | 319980 |
| As 188.980 | 384.173 | ppb | 7.4742 | 1.9 | 152.452 |
| B 249.678 | 289.096 | ppb | 2.6793 | 0.9 | 3048.68 |
| Ba 389.178 | 4437.64 | ppb | 19.3192 | 0.4 | 81511.1 |
| Be 313.042 | 76.3844 | ppb | 0.3033 | 0.4 | 117574 |
| Ca 370.602 | 108797 | ppb | 442.8 | 0.4 | 228200 |
| Cd 226.502 | 74.9400 | ppb | 0.7356 | 1.0 | 3861.90 |
| Co 228.615 | 205.899 | ppb | 2.8407 | 1.4 | 1802.32 |
| Cr 267.716 | 748.007 | ppb | 3.8376 | 0.5 | 20711.3 |
| Cu 324.754 | 1014.50 | ppb | 10.7314 | 1.1 | 47555.3 |
| Fe 271.441 | 495216 | ppb | 2323.91 | 0.5 | 718762 |
| K 766.491 | 17362.3 | ppb | 62.1575 | 0.4 | 472344 |
| Mg 279.078 | 30580.8 | ppb | 157.865 | 0.5 | 55166.1 |
| Mn 257.610 | 24007.8 | ppb | 151.036 | 0.6 | 4962007 |
| Mo 202.032 | 125.670 | ppb | 0.5888 | 0.5 | 781.570 |
| Na 330.237 | 5293.25 | ppb | 319.966 | 6.0 | 80.7512 |
| Ni 231.604 | 304.258 | ppb | 0.9915 | 0.3 | 702.976 |
| Pb 220.353 | 5335.07 | ppb | 42.6573 | 0.8 | 6929.79 |
| Sb 206.834 | 42.9937 | ppb | 2.8768 | 6.7 | 54.2935 |
| Se 196.026 | 93.0499 | ppb | 6.3477 | 6.8 | 57.3841 |
| Sn 189.925 | 1279.63 | ppb | 14.0532 | 1.1 | 805.341 |
| Sr 216.596 | 909.166 | ppb | 6.2325 | 0.7 | 7917.83 |
| Ti 334.941 | 2367.48 | ppb | 8.8380 | 0.4 | 515589 |
| Tl 190.794 | 69.7275 | ppb | 3.5912 | 5.2 | -2.4936 |
| V 292.401 | 852.169 | ppb | 3.4149 | 0.4 | 19604.8 |
| Zn 206.200 | 10104.5 | ppb | 77.1936 | 0.8 | 9452.06 |

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

680-89513-a-26-a (Samp) 4/25/2013, 9:27:41 AM Rack 4, Tube 23

Weight: 1

Volume: 1

Dilution: 1

| Label | Replicates Concentration | | |
|------------|--------------------------|-----------|-----------|
| Ag 328.068 | 3.0990 | 3.4073 | 2.2540 |
| Al 308.215 | 123771 | 124415 | 115908 |
| As 188.980 | 215.797 | 204.361 | 184.149 |
| B 249.678 | 52.6628 | 53.6663 | 48.5429 |
| Ba 389.178 | 3003.10 | 3027.48 | 2795.94 |
| Be 313.042 | 14.9755 | 15.0819 | 13.9283 |
| Ca 370.602 | 278804 | 282748 | 264106 |
| Cd 226.502 | 31.7208 | 32.7229 | 26.1085 |
| Co 228.615 | 114.992 | 118.823 | 108.717 |
| Cr 267.716 | 853.418 | 858.050 | 797.744 |
| Cu 324.754 | 1806.32 | 1828.33 | 1679.27 |
| Fe 271.441 | 478395 | 481650 | 445992 |
| K 766.491 | 11204.4 | 11267.5 | 10401.0 |
| Mg 279.078 | 105429 | 106551 | 98514.3 |
| Mn 257.610 | 21789.0 | 21935.9 | 20357.1 |
| Mo 202.032 | 42.1096 | 43.0428 | 40.3644 |
| Na 330.237 | -609.082u | -355.639u | -249.506u |
| Ni 231.604 | 286.828 | 291.229 | 269.574 |
| Pb 220.353 | 4874.37 | 4888.05 | 4534.37 |
| Sb 206.834 | 14.2066 | 16.5822 | 19.1418 |
| Se 196.026 | 6.1050 | -8.0079 | 5.4072 |
| Sn 189.925 | 154.194 | 152.268 | 145.955 |
| Sr 216.596 | 548.357 | 551.859 | 512.909 |
| Ti 334.941 | 2423.23 | 2439.54 | 2261.14 |
| Tl 190.794 | 25.6674u | 29.4028u | 25.0202u |
| V 292.401 | 520.161 | 523.486 | 484.823 |
| Zn 206.200 | 10247.8 | 10385.3 | 9564.20 |

| Label | Sol'n Conc. | Units | SD | %RSD | Int. (c/s) |
|------------|-------------|-------|---------|-------|------------|
| Ag 328.068 | 2.9201 | ppb | 0.5971 | 20.4 | 164.923 |
| Al 308.215 | 121364 | ppb | 4736.75 | 3.9 | 235055 |
| As 188.980 | 201.435 | ppb | 16.0254 | 8.0 | 76.3238 |
| B 249.678 | 51.6240 | ppb | 2.7151 | 5.3 | 532.128 |
| Ba 389.178 | 2942.18 | ppb | 127.227 | 4.3 | 54360.1 |
| Be 313.042 | 14.6619 | ppb | 0.6376 | 4.3 | 22364.6 |
| Ca 370.602 | 275219 | ppb | 9824 | 3.6 | 623384 |
| Cd 226.502 | 30.1840 | ppb | 3.5649 | 11.8 | 2417.98 |
| Co 228.615 | 114.177 | ppb | 5.1022 | 4.5 | 1013.93 |
| Cr 267.716 | 836.404 | ppb | 33.5606 | 4.0 | 23139.2 |
| Cu 324.754 | 1771.31 | ppb | 80.4612 | 4.5 | 82818.5 |
| Fe 271.441 | 468679 | ppb | 19715.2 | 4.2 | 680236 |
| K 766.491 | 10957.6 | ppb | 483.067 | 4.4 | 298175 |
| Mg 279.078 | 103498 | ppb | 4352.35 | 4.2 | 187369 |
| Mn 257.610 | 21360.7 | ppb | 872.180 | 4.1 | 4415359 |
| Mo 202.032 | 41.8389 | ppb | 1.3596 | 3.2 | 260.558 |
| Na 330.237 | -404.743 | ppb | 184.749 | 45.6 | -136.303 |
| Ni 231.604 | 282.544 | ppb | 11.4459 | 4.1 | 652.417 |
| Pb 220.353 | 4765.60 | ppb | 200.363 | 4.2 | 6193.97 |
| Sb 206.834 | 16.6435 | ppb | 2.4682 | 14.8 | 31.1025 |
| Se 196.026 | 1.1681 | ppb | 7.9543 | 681.0 | 16.9329 |
| Sn 189.925 | 150.805 | ppb | 4.3097 | 2.9 | 87.8202 |
| Sr 216.596 | 537.709 | ppb | 21.5483 | 4.0 | 4765.25 |
| Ti 334.941 | 2374.64 | ppb | 98.6279 | 4.2 | 517402 |
| Tl 190.794 | 26.6968 | ppb | 2.3657 | 8.9 | -33.7888 |
| V 292.401 | 509.490 | ppb | 21.4270 | 4.2 | 11717.6 |
| Zn 206.200 | 10065.8 | ppb | 439.780 | 4.4 | 9415.71 |

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

680-89513-a-27-a (Samp) 4/25/2013, 9:33:19 AM Rack 4, Tube 24

Weight: 1

Volume: 1

Dilution: 1

| Label | Replicates Concentration | | |
|------------|--------------------------|----------|----------|
| Ag 328.068 | -0.3748u | 0.9035 | 1.1246 |
| Al 308.215 | 142489 | 136233 | 136052 |
| As 188.980 | 294.896 | 294.064 | 293.609 |
| B 249.678 | -8.5396u | -8.1447u | -8.7804u |
| Ba 389.178 | 2388.92 | 2292.42 | 2278.61 |
| Be 313.042 | 17.0477 | 16.3214 | 16.2218 |
| Ca 370.602 | 110929 | 106804 | 106464 |
| Cd 226.502 | 8.5241 | 6.8224 | 6.5641 |
| Co 228.615 | 138.290 | 133.066 | 132.565 |
| Cr 267.716 | 697.789 | 671.650 | 669.671 |
| Cu 324.754 | 534.101 | 519.579 | 507.313 |
| Fe 271.441 | 448378 | 430426 | 428895 |
| K 766.491 | 8711.27 | 8343.24 | 8309.29 |
| Mg 279.078 | 25796.8 | 24770.8 | 24653.7 |
| Mn 257.610 | 13612.0 | 13077.5 | 12966.3 |
| Mo 202.032 | 18.0592 | 18.3039 | 18.7018 |
| Na 330.237 | 646.572u | 848.895u | 645.537u |
| Ni 231.604 | 139.835 | 133.479 | 134.571 |
| Pb 220.353 | 1918.80 | 1853.52 | 1841.81 |
| Sb 206.834 | 10.8648 | 7.4611 | 6.4871 |
| Se 196.026 | 11.8083 | -6.5888 | -0.1570 |
| Sn 189.925 | 259.100 | 248.794 | 248.741 |
| Sr 216.596 | 443.091 | 425.911 | 425.770 |
| Ti 334.941 | 1360.97 | 1305.90 | 1299.54 |
| Tl 190.794 | 14.3549u | 12.5127u | 12.0396u |
| V 292.401 | 767.954 | 734.852 | 730.120 |
| Zn 206.200 | 4480.79 | 4333.19 | 4310.29 |

| Label | Sol'n Conc. | Units | SD | %RSD | Int. (c/s) |
|------------|-------------|-------|---------|-------|------------|
| Ag 328.068 | 0.5511 | ppb | 0.8094 | 146.9 | -11.2346 |
| Al 308.215 | 138258 | ppb | 3665.34 | 2.7 | 267776 |
| As 188.980 | 294.190 | ppb | 0.6530 | 0.2 | 114.672 |
| B 249.678 | -8.4883 | ppb | 0.3209 | 3.8 | -76.9978 |
| Ba 389.178 | 2319.98 | ppb | 60.0998 | 2.6 | 42815.1 |
| Be 313.042 | 16.5303 | ppb | 0.4508 | 2.7 | 25203.3 |
| Ca 370.602 | 108066 | ppb | 2486 | 2.3 | 229704 |
| Cd 226.502 | 7.3035 | ppb | 1.0649 | 14.6 | 1618.58 |
| Co 228.615 | 134.640 | ppb | 3.1707 | 2.4 | 1171.10 |
| Cr 267.716 | 679.703 | ppb | 15.6936 | 2.3 | 18793.8 |
| Cu 324.754 | 520.331 | ppb | 13.4095 | 2.6 | 24507.4 |
| Fe 271.441 | 435900 | ppb | 10833.7 | 2.5 | 632667 |
| K 766.491 | 8454.60 | ppb | 222.931 | 2.6 | 230107 |
| Mg 279.078 | 25073.8 | ppb | 628.877 | 2.5 | 45330.8 |
| Mn 257.610 | 13218.6 | ppb | 345.179 | 2.6 | 2732518 |
| Mo 202.032 | 18.3550 | ppb | 0.3243 | 1.8 | 115.161 |
| Na 330.237 | 713.668 | ppb | 117.111 | 16.4 | -46.1148 |
| Ni 231.604 | 135.962 | ppb | 3.3984 | 2.5 | 313.909 |
| Pb 220.353 | 1871.38 | ppb | 41.4864 | 2.2 | 2451.97 |
| Sb 206.834 | 8.2710 | ppb | 2.2985 | 27.8 | 21.7940 |
| Se 196.026 | 1.6875 | ppb | 9.3362 | 553.3 | 15.2279 |
| Sn 189.925 | 252.212 | ppb | 5.9655 | 2.4 | 152.229 |
| Sr 216.596 | 431.591 | ppb | 9.9595 | 2.3 | 3840.87 |
| Ti 334.941 | 1322.13 | ppb | 33.7823 | 2.6 | 287966 |
| Tl 190.794 | 12.9691 | ppb | 1.2232 | 9.4 | -33.7579 |
| V 292.401 | 744.309 | ppb | 20.6138 | 2.8 | 17126.6 |
| Zn 206.200 | 4374.76 | ppb | 92.5405 | 2.1 | 4093.18 |

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

Cont Calib Verif (CCV) 4/25/2013, 9:47:47 AM Rack 4, Tube 25
 Weight: 1 Volume: 1 Dilution: 1

| Label | Replicates Concentration | | |
|------------|--------------------------|---------|---------|
| Ag 328.068 | 511.805 | 511.872 | 507.348 |
| Al 308.215 | 5214.99 | 5199.79 | 5168.57 |
| As 188.980 | 522.780 | 520.625 | 519.235 |
| B 249.678 | 524.285 | 523.605 | 526.861 |
| Ba 389.178 | 5198.33 | 5157.47 | 5147.30 |
| Be 313.042 | 558.311 | 554.033 | 553.845 |
| Ca 370.602 | 5178 | 5141 | 5117 |
| Cd 226.502 | 544.651 | 540.243 | 537.606 |
| Co 228.615 | 543.712 | 540.414 | 537.347 |
| Cr 267.716 | 5399.20 | 5384.58 | 5359.79 |
| Cu 324.754 | 5375.20 | 5354.70 | 5457.05 |
| Fe 271.441 | 5237.96 | 5195.29 | 5158.26 |
| K 766.491 | 10638.9 | 10570.2 | 10549.6 |
| Mg 279.078 | 5359.87 | 5317.62 | 5300.59 |
| Mn 257.610 | 5427.94 | 5401.23 | 5397.47 |
| Mo 202.032 | 512.478 | 510.048 | 510.222 |
| Na 330.237 | 7785.89 | 7694.99 | 7592.45 |
| Ni 231.604 | 2753.27 | 2728.82 | 2714.86 |
| Pb 220.353 | 519.079 | 513.231 | 511.723 |
| Sb 206.834 | 986.766 | 980.644 | 983.992 |
| Se 196.026 | 5384.84 | 5366.37 | 5329.00 |
| Sn 189.925 | 5227.03 | 5169.31 | 5181.95 |
| Sr 216.596 | 2614.17 | 2595.88 | 2586.99 |
| Ti 334.941 | 516.243 | 514.618 | 512.192 |
| Tl 190.794 | 5181.49 | 5152.23 | 5115.57 |
| V 292.401 | 5177.24 | 5138.10 | 5131.15 |
| Zn 206.200 | 2772.12 | 2746.02 | 2730.49 |

| Label | Sol'n Conc. | Units | SD | %RSD | Int. (c/s) | QC Value |
|------------|-------------|-------|---------|------|------------|------------|
| Ag 328.068 | 510.342 | ppb | 2.5930 | 0.5 | 33309.4 | 102.06837 |
| Al 308.215 | 5194.45 | ppb | 23.6675 | 0.5 | 10021.1 | 103.88902 |
| As 188.980 | 520.880 | ppb | 1.7861 | 0.3 | 205.994 | 104.17603 |
| B 249.678 | 524.917 | ppb | 1.7178 | 0.3 | 6100.05 | 20.99668Q |
| Ba 389.178 | 5167.70 | ppb | 27.0076 | 0.5 | 94234.0 | 103.35400 |
| Be 313.042 | 555.396 | ppb | 2.5259 | 0.5 | 856771 | 111.07925Q |
| Ca 370.602 | 5145 | ppb | 31.02 | 0.6 | 12069 | 102.90535 |
| Cd 226.502 | 540.833 | ppb | 3.5595 | 0.7 | 16500.0 | 108.16669 |
| Co 228.615 | 540.491 | ppb | 3.1834 | 0.6 | 4667.27 | 108.09823 |
| Cr 267.716 | 5381.19 | ppb | 19.9225 | 0.4 | 148256 | 107.62388 |
| Cu 324.754 | 5395.65 | ppb | 54.1555 | 1.0 | 251565 | 107.91301 |
| Fe 271.441 | 5197.17 | ppb | 39.8811 | 0.8 | 7683.51 | 103.94340 |
| K 766.491 | 10586.2 | ppb | 46.7624 | 0.4 | 288074 | 105.86220 |
| Mg 279.078 | 5326.03 | ppb | 30.5244 | 0.6 | 9611.33 | 106.52052 |
| Mn 257.610 | 5408.88 | ppb | 16.6157 | 0.3 | 1117692 | 108.17759 |
| Mo 202.032 | 510.916 | ppb | 1.3556 | 0.3 | 3197.91 | 102.18315 |
| Na 330.237 | 7691.11 | ppb | 96.7756 | 1.3 | 340.047 | 102.54815 |
| Ni 231.604 | 2732.32 | ppb | 19.4404 | 0.7 | 6291.31 | 109.29269 |
| Pb 220.353 | 514.678 | ppb | 3.8859 | 0.8 | 698.558 | 102.93556 |
| Sb 206.834 | 983.801 | ppb | 3.0656 | 0.3 | 934.173 | 98.38007 |
| Se 196.026 | 5360.07 | ppb | 28.4482 | 0.5 | 2329.02 | 107.20144 |
| Sn 189.925 | 5192.76 | ppb | 30.3394 | 0.6 | 3292.83 | 103.85529 |
| Sr 216.596 | 2599.01 | ppb | 13.8592 | 0.5 | 22084.2 | 103.96053 |
| Ti 334.941 | 514.351 | ppb | 2.0389 | 0.4 | 111978 | 102.87019 |
| Tl 190.794 | 5149.77 | ppb | 33.0276 | 0.6 | 4230.32 | 102.99533 |
| V 292.401 | 5148.83 | ppb | 24.8478 | 0.5 | 118305 | 102.97663 |
| Zn 206.200 | 2749.54 | ppb | 21.0393 | 0.8 | 2564.56 | 109.98169 |

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

Cont Calib Blank (CCB) 4/25/2013, 9:53:25 AM Rack 4, Tube 26

Weight: 1 Volume: 1 Dilution: 1

| Label | Replicates Concentration | | |
|------------|--------------------------|-----------|-----------|
| Ag 328.068 | -0.1714u | 0.1934 | -0.0077u |
| Al 308.215 | -0.9245u | -6.5055u | 3.4112 |
| As 188.980 | -1.7239u | 6.1863 | 5.1627 |
| B 249.678 | -21.4677u | -22.9721u | -23.9442u |
| Ba 389.178 | 0.6229 | 0.1562 | 0.1935 |
| Be 313.042 | -0.0169u | 0.0024 | 0.0232 |
| Ca 370.602 | 3.599 | 8.924 | 10.91 |
| Cd 226.502 | 0.0603 | -0.3727u | -0.0404u |
| Co 228.615 | -0.6778u | 0.2214 | -0.2450u |
| Cr 267.716 | 0.3318 | 0.3519 | 0.8509 |
| Cu 324.754 | 0.1247 | -0.3346u | 0.3375 |
| Fe 271.441 | 3.9938 | 5.4505 | 5.2648 |
| K 766.491 | -1.3897u | -0.1645u | 0.6129 |
| Mg 279.078 | 2.0422 | 3.2692 | 4.4396 |
| Mn 257.610 | 0.1801 | 0.2508 | 0.6596 |
| Mo 202.032 | -0.4759u | -1.1239u | -0.4459u |
| Na 330.237 | -97.1886u | -341.280u | -40.2317u |
| Ni 231.604 | -0.6676u | 3.4330 | 0.2263 |
| Pb 220.353 | -0.1075u | -0.3189u | 0.4597 |
| Sb 206.834 | -6.5885u | 2.3641 | 3.1240 |
| Se 196.026 | 7.2231 | 1.8010 | 4.0163 |
| Sn 189.925 | -1.8886u | -0.0475u | -0.7360u |
| Sr 216.596 | -0.2980u | -0.0628u | -0.2624u |
| Ti 334.941 | -0.0086u | 0.0509 | 0.0930 |
| Tl 190.794 | -4.6537u | 1.5700 | -1.3192u |
| V 292.401 | 0.0702 | -0.1747u | 0.4771 |
| Zn 206.200 | -1.3551u | -1.1189u | -0.4593u |

| Label | Sol'n Conc. | Units | SD | %RSD | Int. (c/s) | QC Value |
|------------|-------------|-------|---------|--------|------------|------------|
| Ag 328.068 | 0.0048 | ppb | 0.1827 | 3820.3 | -28.6872 | 0.00478 |
| Al 308.215 | -1.3396 | ppb | 4.9714 | 371.1 | -35.3641 | -1.33960 |
| As 188.980 | 3.2083 | ppb | 4.3020 | 134.1 | -9.1542 | 3.20834 |
| B 249.678 | -22.7947 | ppb | 1.2477 | 5.5 | 235.525 | -22.79466 |
| Ba 389.178 | 0.3242 | ppb | 0.2593 | 80.0 | -25.8441 | 0.32418 |
| Be 313.042 | 0.0029 | ppb | 0.0201 | 694.7 | -313.121 | 0.00289 |
| Ca 370.602 | 7.811 | ppb | 3.780 | 48.4 | 15.11 | 7.81079 |
| Cd 226.502 | -0.1176 | ppb | 0.2266 | 192.7 | 31.3010 | -0.11758 |
| Co 228.615 | -0.2338 | ppb | 0.4497 | 192.4 | -9.3950 | -0.23379 |
| Cr 267.716 | 0.5115 | ppb | 0.2941 | 57.5 | -13.8976 | 0.51154 |
| Cu 324.754 | 0.0425 | ppb | 0.3435 | 807.7 | 146.610 | 0.04253 |
| Fe 271.441 | 4.9031 | ppb | 0.7929 | 16.2 | 35.2426 | 4.90307 |
| K 766.491 | -0.3138 | ppb | 1.0096 | 321.7 | 183.834 | -0.31380 |
| Mg 279.078 | 3.2503 | ppb | 1.1988 | 36.9 | 39.0018 | 3.25033 |
| Mn 257.610 | 0.3635 | ppb | 0.2589 | 71.2 | 125.154 | 0.36349 |
| Mo 202.032 | -0.6819 | ppb | 0.3831 | 56.2 | 16.4527 | -0.68190 |
| Na 330.237 | -159.567 | ppb | 159.924 | 100.2 | 52.1713 | -159.56665 |
| Ni 231.604 | 0.9972 | ppb | 2.1562 | 216.2 | -5.2040 | 0.99724 |
| Pb 220.353 | 0.0111 | ppb | 0.4026 | 3618.9 | 33.3849 | 0.01113 |
| Sb 206.834 | -0.3668 | ppb | 5.4015 | 1472.6 | -0.9504 | -0.36681 |
| Se 196.026 | 4.3468 | ppb | 2.7261 | 62.7 | 11.2847 | 4.34681 |
| Sn 189.925 | -0.8907 | ppb | 0.9302 | 104.4 | -8.6901 | -0.89072 |
| Sr 216.596 | -0.2077 | ppb | 0.1267 | 61.0 | 20.0201 | -0.20772 |
| Ti 334.941 | 0.0451 | ppb | 0.0511 | 113.3 | -17.8815 | 0.04508 |
| Tl 190.794 | -1.4677 | ppb | 3.1145 | 212.2 | -11.5903 | -1.46765 |
| V 292.401 | 0.1242 | ppb | 0.3292 | 265.0 | -3.8634 | 0.12424 |
| Zn 206.200 | -0.9778 | ppb | 0.4643 | 47.5 | 25.17859 | -0.97778 |

680-89513-a-28-a (Samp) 4/25/2013, 9:59:03 AM Rack 4, Tube 27

Weight: 1 Volume: 1 Dilution: 1

| Label | Replicates Concentration | | |
|------------|--------------------------|----------|----------|
| Ag 328.068 | 4.5608 | 4.8704 | 4.6805 |
| Al 308.215 | 125420 | 125236 | 125610 |
| As 188.980 | 259.059 | 248.011 | 255.254 |
| B 249.678 | 20.0392u | 21.1962u | 19.7743u |
| Ba 389.178 | 3982.17 | 3932.93 | 3944.12 |
| Be 313.042 | 16.7478 | 16.6862 | 16.7536 |
| Ca 370.602 | 77980 | 77814 | 78093 |
| Cd 226.502 | 22.4822 | 21.8261 | 22.2772 |
| Co 228.615 | 128.082 | 128.431 | 128.356 |
| Cr 267.716 | 536.083 | 535.776 | 536.954 |
| Cu 324.754 | 813.242 | 827.230 | 820.030 |
| Fe 271.441 | 390056 | 386638 | 387513 |
| K 766.491 | 9423.38 | 9397.10 | 9435.28 |
| Mg 279.078 | 15514.3 | 15493.3 | 15538.7 |
| Mn 257.610 | 18521.3 | 18458.7 | 18487.7 |
| Mo 202.032 | 23.5238 | 23.8120 | 23.7501 |
| Na 330.237 | 212.307u | 147.431u | 53.6270u |
| Ni 231.604 | 183.971 | 184.580 | 183.008 |
| Pb 220.353 | 4461.01 | 4463.32 | 4468.14 |
| Sb 206.834 | 11.0817 | 9.3851 | 11.0322 |
| Se 196.026 | -1.6042 | -1.3075 | 5.1145 |
| Sn 189.925 | 127.865 | 140.574 | 133.021 |
| Sr 216.596 | 668.595 | 666.443 | 667.581 |
| Ti 334.941 | 1975.35 | 1971.78 | 1979.14 |
| Tl 190.794 | 26.8285u | 26.4340u | 26.0596u |
| V 292.401 | 548.747 | 545.231 | 548.236 |
| Zn 206.200 | 8570.79 | 8606.07 | 8617.81 |

| Label | Sol'n Conc. | Units | SD | %RSD | Int. (c/s) |
|------------|-------------|-------|---------|-------|------------|
| Ag 328.068 | 4.7039 | ppb | 0.1562 | 3.3 | 277.658 |
| Al 308.215 | 125422 | ppb | 187.037 | 0.1 | 242913 |
| As 188.980 | 254.108 | ppb | 5.6125 | 2.2 | 97.6946 |
| B 249.678 | 20.3366 | ppb | 0.7562 | 3.7 | 282.944 |
| Ba 389.178 | 3953.07 | ppb | 25.8148 | 0.7 | 72522.6 |
| Be 313.042 | 16.7292 | ppb | 0.0373 | 0.2 | 25505.0 |
| Ca 370.602 | 77963 | ppb | 140.0 | 0.2 | 161588 |
| Cd 226.502 | 22.1952 | ppb | 0.3356 | 1.5 | 1922.38 |
| Co 228.615 | 128.289 | ppb | 0.1835 | 0.1 | 1129.78 |
| Cr 267.716 | 536.271 | ppb | 0.6113 | 0.1 | 14849.2 |
| Cu 324.754 | 820.167 | ppb | 6.9947 | 0.9 | 38469.5 |
| Fe 271.441 | 388069 | ppb | 1775.89 | 0.5 | 563249 |
| K 766.491 | 9418.58 | ppb | 19.5367 | 0.2 | 256322 |
| Mg 279.078 | 15515.4 | ppb | 22.7372 | 0.1 | 27929.6 |
| Mn 257.610 | 18489.2 | ppb | 31.3310 | 0.2 | 3821390 |
| Mo 202.032 | 23.6953 | ppb | 0.1517 | 0.6 | 150.836 |
| Na 330.237 | 137.788 | ppb | 79.7784 | 57.9 | -85.7383 |
| Ni 231.604 | 183.853 | ppb | 0.7926 | 0.4 | 423.441 |
| Pb 220.353 | 4464.16 | ppb | 3.6373 | 0.1 | 5804.00 |
| Sb 206.834 | 10.4997 | ppb | 0.9655 | 9.2 | 21.4882 |
| Se 196.026 | 0.7343 | ppb | 3.7963 | 517.0 | 15.7105 |
| Sn 189.925 | 133.820 | ppb | 6.3921 | 4.8 | 76.9609 |
| Sr 216.596 | 667.540 | ppb | 1.0765 | 0.2 | 5829.62 |
| Ti 334.941 | 1975.43 | ppb | 3.6793 | 0.2 | 430165 |
| Tl 190.794 | 26.4407 | ppb | 0.3845 | 1.5 | -27.0866 |
| V 292.401 | 547.405 | ppb | 1.9001 | 0.3 | 12603.5 |
| Zn 206.200 | 8598.22 | ppb | 24.4704 | 0.3 | 8043.66 |

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

680-89516-b-2-a (Samp) 4/25/2013, 10:04:41 AM Rack 4, Tube 28

Weight: 1

Volume: 1

Dilution: 1

| Label | Replicates Concentration | | |
|------------|--------------------------|----------|----------|
| Ag 328.068 | 1.1204u | 0.5869u | 1.6406 |
| Al 308.215 | 115935 | 114399 | 116643 |
| As 188.980 | 244.679 | 243.157 | 239.309 |
| B 249.678 | 74.9973 | 76.3563 | 76.0325 |
| Ba 389.178 | 4330.34 | 4334.10 | 4357.40 |
| Be 313.042 | 15.2151 | 15.2613 | 15.2794 |
| Ca 370.602 | 599629 | 600329 | 603796 |
| Cd 226.502 | 14.7591 | 14.7634 | 15.0050 |
| Co 228.615 | 133.745 | 132.882 | 133.392 |
| Cr 267.716 | 428.620 | 428.567 | 430.032 |
| Cu 324.754 | 663.055 | 682.352 | 681.994 |
| Fe 271.441 | 325631 | 326650 | 327191 |
| K 766.491 | 14875.1 | 14924.8 | 14980.1 |
| Mg 279.078 | 316878 | 317392 | 318033 |
| Mn 257.610 | 7274.88 | 7315.30 | 7299.09 |
| Mo 202.032 | 27.0176 | 28.3359 | 27.8343 |
| Na 330.237 | 813.152u | 1154.41u | 1260.62u |
| Ni 231.604 | 188.684 | 186.976 | 193.766 |
| Pb 220.353 | 4150.90 | 4151.73 | 4170.80 |
| Sb 206.834 | 4.5692 | 17.2996 | 13.3758 |
| Se 196.026 | -2.3849 | 2.0864 | 1.6303 |
| Sn 189.925 | 79.2725 | 88.4981 | 89.4712 |
| Sr 216.596 | 1500.03 | 1502.44 | 1507.83 |
| Ti 334.941 | 1887.12 | 1891.54 | 1897.31 |
| Tl 190.794 | 8.3736u | 9.4936u | 8.3066u |
| V 292.401 | 436.784 | 438.211 | 439.335 |
| Zn 206.200 | 7020.55 | 7011.26 | 6990.77 |

| Label | Sol'n Conc. | Units | SD | %RSD | Int. (c/s) |
|------------|-------------|-------|---------|-------|------------|
| Ag 328.068 | 1.1159 | ppb | 0.5268 | 47.2 | -32.7936 |
| Al 308.215 | 115659 | ppb | 1147.27 | 1.0 | 224004 |
| As 188.980 | 242.382 | ppb | 2.7675 | 1.1 | 92.4171 |
| B 249.678 | 75.7954 | ppb | 0.7099 | 0.9 | 942.762 |
| Ba 389.178 | 4340.62 | ppb | 14.6609 | 0.3 | 80146.7 |
| Be 313.042 | 15.2519 | ppb | 0.0331 | 0.2 | 23371.7 |
| Ca 370.602 | 601251 | ppb | 2231 | 0.4 | 1402736 |
| Cd 226.502 | 14.8425 | ppb | 0.1408 | 0.9 | 1510.68 |
| Co 228.615 | 133.340 | ppb | 0.4342 | 0.3 | 1173.17 |
| Cr 267.716 | 429.073 | ppb | 0.8307 | 0.2 | 11859.4 |
| Cu 324.754 | 675.800 | ppb | 11.0396 | 1.6 | 31725.8 |
| Fe 271.441 | 326491 | ppb | 791.850 | 0.2 | 473881 |
| K 766.491 | 14926.7 | ppb | 52.4970 | 0.4 | 406108 |
| Mg 279.078 | 317434 | ppb | 578.603 | 0.2 | 575294 |
| Mn 257.610 | 7296.43 | ppb | 20.3394 | 0.3 | 1510132 |
| Mo 202.032 | 27.7293 | ppb | 0.6654 | 2.4 | 178.805 |
| Na 330.237 | 1076.06 | ppb | 233.795 | 21.7 | -25.4041 |
| Ni 231.604 | 189.808 | ppb | 3.5318 | 1.9 | 436.051 |
| Pb 220.353 | 4157.81 | ppb | 11.2559 | 0.3 | 5406.29 |
| Sb 206.834 | 11.7482 | ppb | 6.5194 | 55.5 | 20.3572 |
| Se 196.026 | 0.4439 | ppb | 2.4604 | 554.3 | 12.8520 |
| Sn 189.925 | 85.7473 | ppb | 5.6284 | 6.6 | 46.5742 |
| Sr 216.596 | 1503.44 | ppb | 3.9949 | 0.3 | 12964.0 |
| Ti 334.941 | 1891.99 | ppb | 5.1066 | 0.3 | 413060 |
| Tl 190.794 | 8.7246 | ppb | 0.6668 | 7.6 | -25.6266 |
| V 292.401 | 438.110 | ppb | 1.2786 | 0.3 | 10091.5 |
| Zn 206.200 | 7007.53 | ppb | 15.2386 | 0.2 | 6556.07 |

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

680-89516-b-2-b ms (Samp) 4/25/2013, 10:10:20 AM Rack 4, Tube 29

Weight: 1

Volume: 1

Dilution: 1

| Label | Replicates Concentration | | |
|------------|--------------------------|---------|---------|
| Ag 328.068 | 35.2521 | 35.2380 | 35.7770 |
| Al 308.215 | 83796.6 | 84035.4 | 84191.9 |
| As 188.980 | 679.342 | 665.523 | 673.328 |
| B 249.678 | 259.547 | 258.990 | 262.053 |
| Ba 389.178 | 4134.13 | 4117.58 | 4143.58 |
| Be 313.042 | 63.7599 | 63.9683 | 64.0175 |
| Ca 370.602 | 908092x | 915405x | 912742x |
| Cd 226.502 | 61.5264 | 62.2049 | 62.0305 |
| Co 228.615 | 156.847 | 158.310 | 157.545 |
| Cr 267.716 | 402.434 | 403.647 | 403.532 |
| Cu 324.754 | 793.296 | 808.183 | 798.694 |
| Fe 271.441 | 487777 | 489481 | 489438 |
| K 766.491 | 20734.6 | 20627.9 | 20634.5 |
| Mg 279.078 | 552968 | 552348 | 552097 |
| Mn 257.610 | 7116.58 | 7127.56 | 7112.71 |
| Mo 202.032 | 127.992 | 128.548 | 128.932 |
| Na 330.237 | 7486.00 | 7332.91 | 7247.92 |
| Ni 231.604 | 267.963 | 267.067 | 266.921 |
| Pb 220.353 | 3033.12 | 3031.26 | 3038.29 |
| Sb 206.834 | 32.1929 | 39.3154 | 42.4502 |
| Se 196.026 | 91.7901 | 88.0864 | 102.608 |
| Sn 189.925 | 292.251 | 288.010 | 294.130 |
| Sr 216.596 | 1304.04 | 1306.85 | 1305.09 |
| Ti 334.941 | 1646.42 | 1653.41 | 1655.96 |
| Tl 190.794 | 24.3686u | 36.8173 | 38.3898 |
| V 292.401 | 370.647 | 372.559 | 372.756 |
| Zn 206.200 | 5511.04 | 5524.05 | 5520.64 |

| Label | Sol'n Conc. | Units | SD | %RSD | Int. (c/s) |
|------------|-------------|-------|---------|------|------------|
| Ag 328.068 | 35.4224b | ppb | 0.3072 | 0.9 | 2193.21 |
| Al 308.215 | 84008.0b | ppb | 199.116 | 0.2 | 162698 |
| As 188.980 | 672.731b | ppb | 6.9290 | 1.0 | 272.372 |
| B 249.678 | 260.197b | ppb | 1.6318 | 0.6 | 2745.10 |
| Ba 389.178 | 4131.76b | ppb | 13.1636 | 0.3 | 77006.6 |
| Be 313.042 | 63.9153b | ppb | 0.1367 | 0.2 | 98553.2 |
| Ca 370.602 | 912080xb | ppb | 3701 | 0.4 | 2128033 |
| Cd 226.502 | 61.9206b | ppb | 0.3523 | 0.6 | 3453.32 |
| Co 228.615 | 157.567b | ppb | 0.7321 | 0.5 | 1370.83 |
| Cr 267.716 | 403.205b | ppb | 0.6697 | 0.2 | 11167.9 |
| Cu 324.754 | 800.057b | ppb | 7.5366 | 0.9 | 37564.7 |
| Fe 271.441 | 488899b | ppb | 971.648 | 0.2 | 709584 |
| K 766.491 | 20665.7b | ppb | 59.7704 | 0.3 | 562175 |
| Mg 279.078 | 552471b | ppb | 448.493 | 0.1 | 1001326 |
| Mn 257.610 | 7118.95b | ppb | 7.7044 | 0.1 | 1475094 |
| Mo 202.032 | 128.491b | ppb | 0.4725 | 0.4 | 800.187 |
| Na 330.237 | 7355.61b | ppb | 120.650 | 1.6 | 193.406 |
| Ni 231.604 | 267.317b | ppb | 0.5642 | 0.2 | 617.683 |
| Pb 220.353 | 3034.22b | ppb | 3.6419 | 0.1 | 3954.41 |
| Sb 206.834 | 37.9862b | ppb | 5.2563 | 13.8 | 46.3137 |
| Se 196.026 | 94.1615b | ppb | 7.5456 | 8.0 | 54.1859 |
| Sn 189.925 | 291.464b | ppb | 3.1351 | 1.1 | 177.443 |
| Sr 216.596 | 1305.33b | ppb | 1.4205 | 0.1 | 11352.4 |
| Ti 334.941 | 1651.93b | ppb | 4.9351 | 0.3 | 361636 |
| Tl 190.794 | 33.1919b | ppb | 7.6815 | 23.1 | -12.1962 |
| V 292.401 | 371.987b | ppb | 1.1650 | 0.3 | 8551.62 |
| Zn 206.200 | 5518.58b | ppb | 6.7494 | 0.1 | 5163.50 |

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

680-89516-b-2-c msd (Samp) 4/25/2013, 10:15:58 AM Rack 4, Tube 30**Weight: 1****Volume: 1****Dilution: 1**

| Label | Replicates Concentration | | |
|------------|--------------------------|---------|---------|
| Ag 328.068 | 19.9907 | 19.3670 | 19.6569 |
| Al 308.215 | 117553 | 117692 | 117591 |
| As 188.980 | 381.800 | 384.100 | 398.520 |
| B 249.678 | 334.463 | 337.516 | 339.087 |
| Ba 389.178 | 5638.01 | 5641.79 | 5650.32 |
| Be 313.042 | 71.8706 | 71.9143 | 72.0497 |
| Ca 370.602 | 398901 | 394943 | 398451 |
| Cd 226.502 | 71.0200 | 70.7584 | 71.0837 |
| Co 228.615 | 175.998 | 175.497 | 177.449 |
| Cr 267.716 | 443.677 | 443.001 | 442.924 |
| Cu 324.754 | 977.695 | 974.829 | 999.407 |
| Fe 271.441 | 310413 | 310774 | 311423 |
| K 766.491 | 23025.6 | 23148.1 | 23185.0 |
| Mg 279.078 | 203767 | 203892 | 204159 |
| Mn 257.610 | 6979.79 | 6973.50 | 6985.79 |
| Mo 202.032 | 132.548 | 131.525 | 132.069 |
| Na 330.237 | 7331.51 | 6822.52 | 7078.35 |
| Ni 231.604 | 322.514 | 329.534 | 323.376 |
| Pb 220.353 | 4993.88 | 4989.77 | 4978.84 |
| Sb 206.834 | 37.3034 | 42.3659 | 30.4847 |
| Se 196.026 | 104.914 | 107.656 | 102.527 |
| Sn 189.925 | 327.587 | 333.071 | 320.381 |
| Sr 216.596 | 1819.47 | 1816.85 | 1818.44 |
| Ti 334.941 | 2272.09 | 2277.56 | 2223.68 |
| Tl 190.794 | 44.6410 | 36.6847 | 42.1362 |
| V 292.401 | 420.692 | 420.568 | 422.628 |
| Zn 206.200 | 8183.95 | 8161.48 | 8204.07 |

| Label | Sol'n Conc. | Units | SD | %RSD | Int. (c/s) |
|------------|-------------|-------|---------|------|------------|
| Ag 328.068 | 19.6715 | ppb | 0.3121 | 1.6 | 1171.62 |
| Al 308.215 | 117612 | ppb | 72.1422 | 0.1 | 227790 |
| As 188.980 | 388.140 | ppb | 9.0628 | 2.3 | 152.889 |
| B 249.678 | 337.022 | ppb | 2.3513 | 0.7 | 3759.38 |
| Ba 389.178 | 5643.37 | ppb | 6.3089 | 0.1 | 103651 |
| Be 313.042 | 71.9449 | ppb | 0.0934 | 0.1 | 110814 |
| Ca 370.602 | 397432 | ppb | 2167 | 0.5 | 921657 |
| Cd 226.502 | 70.9540 | ppb | 0.1724 | 0.2 | 3166.70 |
| Co 228.615 | 176.315 | ppb | 1.0139 | 0.6 | 1548.94 |
| Cr 267.716 | 443.200 | ppb | 0.4144 | 0.1 | 12246.0 |
| Cu 324.754 | 983.977 | ppb | 13.4395 | 1.4 | 46086.3 |
| Fe 271.441 | 310870 | ppb | 511.934 | 0.2 | 451216 |
| K 766.491 | 23119.6 | ppb | 83.4148 | 0.4 | 628906 |
| Mg 279.078 | 203940 | ppb | 200.355 | 0.1 | 369590 |
| Mn 257.610 | 6979.69 | ppb | 6.1502 | 0.1 | 1444052 |
| Mo 202.032 | 132.047 | ppb | 0.5117 | 0.4 | 829.982 |
| Na 330.237 | 7077.46 | ppb | 254.497 | 3.6 | 204.532 |
| Ni 231.604 | 325.141 | ppb | 3.8284 | 1.2 | 747.742 |
| Pb 220.353 | 4987.50 | ppb | 7.7728 | 0.2 | 6478.35 |
| Sb 206.834 | 36.7180 | ppb | 5.9622 | 16.2 | 41.8406 |
| Se 196.026 | 105.032 | ppb | 2.5668 | 2.4 | 57.9400 |
| Sn 189.925 | 327.013 | ppb | 6.3646 | 1.9 | 199.878 |
| Sr 216.596 | 1818.25 | ppb | 1.3186 | 0.1 | 15615.8 |
| Ti 334.941 | 2257.78 | ppb | 29.6546 | 1.3 | 492298 |
| Tl 190.794 | 41.1540 | ppb | 4.0681 | 9.9 | 2.1365 |
| V 292.401 | 421.296 | ppb | 1.1553 | 0.3 | 9689.59 |
| Zn 206.200 | 8183.17 | ppb | 21.3950 | 0.3 | 7655.63 |

680-89516-b-19-a (Samp) **4/25/2013, 10:22:04 AM** **Rack 4, Tube 31**
Weight: 1 **Volume: 1** **Dilution: 1**

| Label | Replicates Concentration | | |
|------------|--------------------------|----------|----------|
| Ag 328.068 | -1.6329u | -1.0849u | -1.7381u |
| Al 308.215 | 140419 | 139976 | 139228 |
| As 188.980 | 197.111 | 198.756 | 200.260 |
| B 249.678 | 102.310 | 101.069 | 102.654 |
| Ba 389.178 | 2082.12 | 2079.61 | 2081.49 |
| Be 313.042 | 18.6681 | 18.6138 | 18.6643 |
| Ca 370.602 | 364943 | 364823 | 363458 |
| Cd 226.502 | 20.3948 | 20.1899 | 19.9611 |
| Co 228.615 | 80.0858 | 80.4053 | 80.7535 |
| Cr 267.716 | 438.155 | 437.907 | 435.024 |
| Cu 324.754 | 641.942 | 642.015 | 652.654 |
| Fe 271.441 | 276662 | 276749 | 277118 |
| K 766.491 | 18883.7 | 18883.5 | 18911.7 |
| Mg 279.078 | 61335.5 | 61255.5 | 61290.2 |
| Mn 257.610 | 12433.2 | 12401.4 | 12447.0 |
| Mo 202.032 | 15.3095 | 15.2036 | 15.1967 |
| Na 330.237 | 290.705u | 509.277u | 1170.83u |
| Ni 231.604 | 125.492 | 126.085 | 126.863 |
| Pb 220.353 | 2633.45 | 2611.31 | 2587.04 |
| Sb 206.834 | 4.9820 | -1.9764 | 0.8465 |
| Se 196.026 | 9.2015 | -1.0526 | -8.6136 |
| Sn 189.925 | 91.8659 | 98.4360 | 97.3909 |
| Sr 216.596 | 821.754 | 823.051 | 816.664 |
| Ti 334.941 | 1387.35 | 1386.86 | 1385.74 |
| Tl 190.794 | 14.7175u | 14.8150u | 15.4651u |
| V 292.401 | 480.050 | 481.444 | 482.307 |
| Zn 206.200 | 4772.87 | 4716.00 | 4700.79 |

| Label | Sol'n Conc. | Units | SD | %RSD | Int. (c/s) |
|------------|-------------|-------|---------|--------|------------|
| Ag 328.068 | -1.4853 | ppb | 0.3507 | 23.6 | -143.953 |
| Al 308.215 | 139874 | ppb | 602.106 | 0.4 | 270909 |
| As 188.980 | 198.709 | ppb | 1.5752 | 0.8 | 73.9333 |
| B 249.678 | 102.011 | ppb | 0.8332 | 0.8 | 1277.51 |
| Ba 389.178 | 2081.07 | ppb | 1.3078 | 0.1 | 38355.1 |
| Be 313.042 | 18.6487 | ppb | 0.0303 | 0.2 | 28557.1 |
| Ca 370.602 | 364408 | ppb | 824.8 | 0.2 | 845629 |
| Cd 226.502 | 20.1819 | ppb | 0.2170 | 1.1 | 1513.29 |
| Co 228.615 | 80.4149 | ppb | 0.3340 | 0.4 | 707.638 |
| Cr 267.716 | 437.029 | ppb | 1.7402 | 0.4 | 12083.8 |
| Cu 324.754 | 645.537 | ppb | 6.1634 | 1.0 | 30300.8 |
| Fe 271.441 | 276843 | ppb | 242.441 | 0.1 | 401821 |
| K 766.491 | 18893.0 | ppb | 16.2585 | 0.1 | 513968 |
| Mg 279.078 | 61293.7 | ppb | 40.1190 | 0.1 | 110964 |
| Mn 257.610 | 12427.2 | ppb | 23.3963 | 0.2 | 2568804 |
| Mo 202.032 | 15.2366 | ppb | 0.0632 | 0.4 | 103.007 |
| Na 330.237 | 656.937 | ppb | 458.265 | 69.8 | -14.3750 |
| Ni 231.604 | 126.147 | ppb | 0.6877 | 0.5 | 288.383 |
| Pb 220.353 | 2610.60 | ppb | 23.2109 | 0.9 | 3407.28 |
| Sb 206.834 | 1.2840 | ppb | 3.4998 | 272.6 | 10.0491 |
| Se 196.026 | -0.1549 | ppb | 8.9414 | 5772.8 | 13.4435 |
| Sn 189.925 | 95.8976 | ppb | 3.5304 | 3.7 | 52.9502 |
| Sr 216.596 | 820.490 | ppb | 3.3761 | 0.4 | 7119.31 |
| Ti 334.941 | 1386.65 | ppb | 0.8269 | 0.1 | 302127 |
| Tl 190.794 | 14.9992 | ppb | 0.4064 | 2.7 | -24.5181 |
| V 292.401 | 481.267 | ppb | 1.1389 | 0.2 | 11078.5 |
| Zn 206.200 | 4729.89 | ppb | 37.9910 | 0.8 | 4425.78 |

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

680-89516-b-28-a (Samp) 4/25/2013, 10:27:42 AM Rack 4, Tube 32

Weight: 1

Volume: 1

Dilution: 1

| Label | Replicates Concentration | | |
|------------|--------------------------|----------|----------|
| Ag 328.068 | 1.5312 | 2.2942 | 2.1088 |
| Al 308.215 | 125397 | 125229 | 124625 |
| As 188.980 | 287.056 | 288.658 | 290.627 |
| B 249.678 | 25.5667u | 26.8399u | 29.0166u |
| Ba 389.178 | 2412.14 | 2417.16 | 2417.11 |
| Be 313.042 | 18.6230 | 18.4867 | 18.6218 |
| Ca 370.602 | 265092 | 266501 | 265093 |
| Cd 226.502 | 10.6569 | 10.7210 | 11.0096 |
| Co 228.615 | 140.507 | 139.489 | 140.131 |
| Cr 267.716 | 462.882 | 462.220 | 460.614 |
| Cu 324.754 | 768.956 | 766.120 | 759.290 |
| Fe 271.441 | 471189 | 468537 | 470571 |
| K 766.491 | 13805.5 | 13815.8 | 13830.0 |
| Mg 279.078 | 39016.2 | 38965.7 | 38985.0 |
| Mn 257.610 | 21819.9 | 21739.6 | 21804.6 |
| Mo 202.032 | 21.8394 | 19.9480 | 20.7543 |
| Na 330.237 | 219.716u | 494.784u | 192.850u |
| Ni 231.604 | 164.818 | 167.846 | 169.940 |
| Pb 220.353 | 2896.83 | 2885.00 | 2892.78 |
| Sb 206.834 | 9.3043 | 6.4765 | 7.7564 |
| Se 196.026 | 8.1642 | -0.2858 | -2.3058 |
| Sn 189.925 | 84.7470 | 83.8994 | 78.3611 |
| Sr 216.596 | 715.623 | 715.909 | 717.402 |
| Ti 334.941 | 2043.43 | 2044.93 | 2040.02 |
| Tl 190.794 | 29.8657u | 28.6546u | 41.3555u |
| V 292.401 | 477.584 | 476.702 | 476.963 |
| Zn 206.200 | 5565.84 | 5561.35 | 5580.97 |

| Label | Sol'n Conc. | Units | SD | %RSD | Int. (c/s) |
|------------|-------------|-------|---------|-------|------------|
| Ag 328.068 | 1.9780 | ppb | 0.3980 | 20.1 | 98.3391 |
| Al 308.215 | 125084 | ppb | 406.268 | 0.3 | 242258 |
| As 188.980 | 288.780 | ppb | 1.7886 | 0.6 | 112.651 |
| B 249.678 | 27.1410 | ppb | 1.7445 | 6.4 | 267.748 |
| Ba 389.178 | 2415.47 | ppb | 2.8845 | 0.1 | 44623.4 |
| Be 313.042 | 18.5772 | ppb | 0.0784 | 0.4 | 28411.9 |
| Ca 370.602 | 265562 | ppb | 813.1 | 0.3 | 600394 |
| Cd 226.502 | 10.7958 | ppb | 0.1879 | 1.7 | 1833.43 |
| Co 228.615 | 140.042 | ppb | 0.5147 | 0.4 | 1230.58 |
| Cr 267.716 | 461.905 | ppb | 1.1659 | 0.3 | 12819.6 |
| Cu 324.754 | 764.789 | ppb | 4.9685 | 0.6 | 35912.0 |
| Fe 271.441 | 470099 | ppb | 1387.46 | 0.3 | 682298 |
| K 766.491 | 13817.1 | ppb | 12.2766 | 0.1 | 375935 |
| Mg 279.078 | 38989.0 | ppb | 25.4903 | 0.1 | 70441.9 |
| Mn 257.610 | 21788.0 | ppb | 42.6614 | 0.2 | 4503326 |
| Mo 202.032 | 20.8472 | ppb | 0.9491 | 4.6 | 129.637 |
| Na 330.237 | 302.450 | ppb | 167.107 | 55.3 | -81.2198 |
| Ni 231.604 | 167.534 | ppb | 2.5752 | 1.5 | 387.321 |
| Pb 220.353 | 2891.54 | ppb | 6.0117 | 0.2 | 3771.84 |
| Sb 206.834 | 7.8457 | ppb | 1.4160 | 18.0 | 20.1618 |
| Se 196.026 | 1.8575 | ppb | 5.5543 | 299.0 | 17.3328 |
| Sn 189.925 | 82.3358 | ppb | 3.4682 | 4.2 | 44.2930 |
| Sr 216.596 | 716.311 | ppb | 0.9555 | 0.1 | 6286.85 |
| Ti 334.941 | 2042.79 | ppb | 2.5149 | 0.1 | 444923 |
| Tl 190.794 | 33.2919 | ppb | 7.0095 | 21.1 | -28.9405 |
| V 292.401 | 477.083 | ppb | 0.4534 | 0.1 | 10988.4 |
| Zn 206.200 | 5569.39 | ppb | 10.2778 | 0.2 | 5210.91 |

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

680-89516-a-30-a (Samp) 4/25/2013, 10:33:21 AM Rack 4, Tube 33

Weight: 1

Volume: 1

Dilution: 1

| Label | Replicates Concentration | | |
|------------|--------------------------|----------|----------|
| Ag 328.068 | 2.4510 | 2.2733 | 1.9465 |
| Al 308.215 | 107742 | 107475 | 106943 |
| As 188.980 | 253.718 | 256.118 | 245.462 |
| B 249.678 | 139.274 | 141.062 | 142.303 |
| Ba 389.178 | 6133.02 | 6140.70 | 6122.16 |
| Be 313.042 | 15.5691 | 15.5627 | 15.4985 |
| Ca 370.602 | 286694 | 285817 | 285263 |
| Cd 226.502 | 15.0115 | 15.4890 | 14.8211 |
| Co 228.615 | 117.074 | 119.054 | 116.809 |
| Cr 267.716 | 368.601 | 367.243 | 366.800 |
| Cu 324.754 | 1031.67 | 1033.89 | 1030.94 |
| Fe 271.441 | 319130 | 319744 | 318584 |
| K 766.491 | 14442.5 | 14509.4 | 14439.8 |
| Mg 279.078 | 132571 | 132669 | 132128 |
| Mn 257.610 | 6346.69 | 6342.13 | 6324.86 |
| Mo 202.032 | 32.5730 | 31.3582 | 31.5488 |
| Na 330.237 | 1957.18u | 1742.58u | 1715.14u |
| Ni 231.604 | 217.182 | 219.567 | 216.770 |
| Pb 220.353 | 5203.32 | 5190.03 | 5158.30 |
| Sb 206.834 | 14.1865 | 11.8552 | 12.1526 |
| Se 196.026 | -8.5480u | 4.2876 | -4.5847 |
| Sn 189.925 | 181.225 | 183.923 | 185.425 |
| Sr 216.596 | 1601.06 | 1600.99 | 1594.60 |
| Ti 334.941 | 2162.58 | 2162.14 | 2154.14 |
| Tl 190.794 | -0.5489u | 16.2203u | 5.1279u |
| V 292.401 | 343.560 | 344.667 | 344.852 |
| Zn 206.200 | 8435.15 | 8461.48 | 8406.93 |

| Label | Sol'n Conc. | Units | SD | %RSD | Int. (c/s) |
|------------|-------------|-------|---------|-------|------------|
| Ag 328.068 | 2.2236 | ppb | 0.2559 | 11.5 | 35.4595 |
| Al 308.215 | 107387 | ppb | 406.618 | 0.4 | 207980 |
| As 188.980 | 251.766 | ppb | 5.5895 | 2.2 | 96.2699 |
| B 249.678 | 140.880 | ppb | 1.5229 | 1.1 | 1648.05 |
| Ba 389.178 | 6131.96 | ppb | 9.3154 | 0.2 | 112423 |
| Be 313.042 | 15.5434 | ppb | 0.0391 | 0.3 | 23738.0 |
| Ca 370.602 | 285924 | ppb | 721.5 | 0.3 | 657375 |
| Cd 226.502 | 15.1072 | ppb | 0.3441 | 2.3 | 1494.19 |
| Co 228.615 | 117.646 | ppb | 1.2267 | 1.0 | 1042.83 |
| Cr 267.716 | 367.548 | ppb | 0.9387 | 0.3 | 10161.2 |
| Cu 324.754 | 1032.17 | ppb | 1.5356 | 0.1 | 48332.6 |
| Fe 271.441 | 319153 | ppb | 579.991 | 0.2 | 463228 |
| K 766.491 | 14463.9 | ppb | 39.4118 | 0.3 | 393523 |
| Mg 279.078 | 132456 | ppb | 288.347 | 0.2 | 240041 |
| Mn 257.610 | 6337.89 | ppb | 11.5172 | 0.2 | 1311088 |
| Mo 202.032 | 31.8267 | ppb | 0.6533 | 2.1 | 204.819 |
| Na 330.237 | 1804.96 | ppb | 132.536 | 7.3 | -4.8517 |
| Ni 231.604 | 217.840 | ppb | 1.5102 | 0.7 | 500.537 |
| Pb 220.353 | 5183.88 | ppb | 23.1282 | 0.4 | 6732.35 |
| Sb 206.834 | 12.7314 | ppb | 1.2689 | 10.0 | 20.5110 |
| Se 196.026 | -2.9484 | ppb | 6.5724 | 222.9 | 11.1391 |
| Sn 189.925 | 183.524 | ppb | 2.1280 | 1.2 | 108.628 |
| Sr 216.596 | 1598.88 | ppb | 3.7111 | 0.2 | 13747.5 |
| Ti 334.941 | 2159.62 | ppb | 4.7484 | 0.2 | 470676 |
| Tl 190.794 | 6.9331 | ppb | 8.5291 | 123.0 | -25.6795 |
| V 292.401 | 344.360 | ppb | 0.6987 | 0.2 | 7935.04 |
| Zn 206.200 | 8434.52 | ppb | 27.2893 | 0.3 | 7890.86 |

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

680-89516-a-31-a (Samp) **4/25/2013, 10:38:59 AM** **Rack 4, Tube 34****Weight: 1****Volume: 1****Dilution: 1**

| Label | Replicates Concentration | | |
|------------|--------------------------|-----------|-----------|
| Ag 328.068 | -0.3332u | 0.9414 | -0.4616u |
| Al 308.215 | 122892 | 121780 | 121855 |
| As 188.980 | 301.993 | 300.484 | 294.285 |
| B 249.678 | 16.6154u | 16.3875u | 17.4564u |
| Ba 389.178 | 2204.54 | 2202.72 | 2201.69 |
| Be 313.042 | 13.8081 | 13.7394 | 13.7696 |
| Ca 370.602 | 229144 | 227843 | 228767 |
| Cd 226.502 | 30.0869 | 30.7071 | 30.3723 |
| Co 228.615 | 101.604 | 100.067 | 101.394 |
| Cr 267.716 | 449.666 | 447.230 | 447.877 |
| Cu 324.754 | 799.778 | 806.197 | 809.046 |
| Fe 271.441 | 339934 | 339121 | 339352 |
| K 766.491 | 12624.3 | 12626.3 | 12595.6 |
| Mg 279.078 | 31922.5 | 31855.1 | 31917.6 |
| Mn 257.610 | 13031.3 | 12965.4 | 12989.0 |
| Mo 202.032 | 18.3842 | 17.9341 | 18.6613 |
| Na 330.237 | 79.8879u | -115.862u | -247.571u |
| Ni 231.604 | 148.112 | 147.589 | 148.528 |
| Pb 220.353 | 3410.42 | 3398.35 | 3402.02 |
| Sb 206.834 | 7.6637 | 9.4805 | 8.1531 |
| Se 196.026 | 19.0775 | -10.5519u | 3.0296 |
| Sn 189.925 | 112.713 | 111.680 | 108.403 |
| Sr 216.596 | 690.348 | 684.323 | 685.480 |
| Ti 334.941 | 1023.87 | 1019.37 | 1018.90 |
| Tl 190.794 | 13.8959u | 8.8099u | 20.2168u |
| V 292.401 | 486.200 | 486.629 | 486.519 |
| Zn 206.200 | 6421.74 | 6399.03 | 6465.76 |

| Label | Sol'n Conc. | Units | SD | %RSD | Int. (c/s) |
|------------|-------------|-------|---------|--------|------------|
| Ag 328.068 | 0.0489 | ppb | 0.7756 | 1586.8 | -44.2710 |
| Al 308.215 | 122176 | ppb | 621.823 | 0.5 | 236625 |
| As 188.980 | 298.921 | ppb | 4.0846 | 1.4 | 116.008 |
| B 249.678 | 16.8198 | ppb | 0.5630 | 3.3 | 296.788 |
| Ba 389.178 | 2202.98 | ppb | 1.4442 | 0.1 | 40588.1 |
| Be 313.042 | 13.7724 | ppb | 0.0344 | 0.3 | 20989.1 |
| Ca 370.602 | 228585 | ppb | 669.4 | 0.3 | 520511 |
| Cd 226.502 | 30.3887 | ppb | 0.3104 | 1.0 | 2021.15 |
| Co 228.615 | 101.021 | ppb | 0.8332 | 0.8 | 876.898 |
| Cr 267.716 | 448.258 | ppb | 1.2615 | 0.3 | 12402.7 |
| Cu 324.754 | 805.007 | ppb | 4.7470 | 0.6 | 37750.1 |
| Fe 271.441 | 339469 | ppb | 419.077 | 0.1 | 492712 |
| K 766.491 | 12615.4 | ppb | 17.2001 | 0.1 | 343255 |
| Mg 279.078 | 31898.4 | ppb | 37.6124 | 0.1 | 57692.0 |
| Mn 257.610 | 12995.2 | ppb | 33.4187 | 0.3 | 2686173 |
| Mo 202.032 | 18.3265 | ppb | 0.3670 | 2.0 | 119.537 |
| Na 330.237 | -94.5147 | ppb | 164.770 | 174.3 | -65.7293 |
| Ni 231.604 | 148.076 | ppb | 0.4704 | 0.3 | 340.086 |
| Pb 220.353 | 3403.60 | ppb | 6.1902 | 0.2 | 4432.71 |
| Sb 206.834 | 8.4324 | ppb | 0.9400 | 11.1 | 17.8855 |
| Se 196.026 | 3.8517 | ppb | 14.8318 | 385.1 | 15.6238 |
| Sn 189.925 | 110.932 | ppb | 2.2504 | 2.0 | 62.4619 |
| Sr 216.596 | 686.717 | ppb | 3.1971 | 0.5 | 5990.25 |
| Ti 334.941 | 1020.71 | ppb | 2.7449 | 0.3 | 222354 |
| Tl 190.794 | 14.3075 | ppb | 5.7146 | 39.9 | -28.4444 |
| V 292.401 | 486.450 | ppb | 0.2226 | 0.0 | 11191.6 |
| Zn 206.200 | 6428.84 | ppb | 33.9295 | 0.5 | 6014.79 |

680-89516-a-32-a (Samp) 4/25/2013, 10:44:37 AM Rack 4, Tube 35

Weight: 1 Volume: 1 Dilution: 1

| Label | Replicates Concentration | | |
|------------|--------------------------|----------|----------|
| Ag 328.068 | 5.0754 | 3.7022 | 3.9067 |
| Al 308.215 | 157038 | 156271 | 156085 |
| As 188.980 | 344.743 | 363.018 | 347.039 |
| B 249.678 | 41.6576u | 45.9225u | 46.3819u |
| Ba 389.178 | 2798.21 | 2801.54 | 2796.95 |
| Be 313.042 | 22.5837 | 22.6247 | 22.5012 |
| Ca 370.602 | 289603 | 290727 | 290553 |
| Cd 226.502 | 14.1826 | 14.6537 | 14.0942 |
| Co 228.615 | 161.363 | 160.909 | 165.432 |
| Cr 267.716 | 601.442 | 602.074 | 597.415 |
| Cu 324.754 | 1026.55 | 1039.54 | 1025.16 |
| Fe 271.441 | 550642 | 551825 | 549157 |
| K 766.491 | 18921.0 | 18428.2 | 18996.9 |
| Mg 279.078 | 44879.9 | 44962.4 | 44907.5 |
| Mn 257.610 | 24801.7 | 25474.8 | 25345.8 |
| Mo 202.032 | 22.9421 | 24.8258 | 22.9334 |
| Na 330.237 | 348.203u | 491.325u | 408.324u |
| Ni 231.604 | 213.696 | 213.907 | 212.571 |
| Pb 220.353 | 4173.55 | 4161.48 | 4169.14 |
| Sb 206.834 | 5.0794 | 12.4330 | -4.1055 |
| Se 196.026 | 12.2014 | 13.0086 | 6.6940 |
| Sn 189.925 | 119.790 | 118.801 | 131.426 |
| Sr 216.596 | 888.830 | 891.497 | 892.107 |
| Ti 334.941 | 2161.80 | 2156.31 | 2149.31 |
| Tl 190.794 | 31.9478u | 30.6220u | 34.2657u |
| V 292.401 | 544.547 | 544.044 | 544.459 |
| Zn 206.200 | 7376.54 | 7439.05 | 7481.23 |

| Label | Sol'n Conc. | Units | SD | %RSD | Int. (c/s) |
|------------|-------------|-------|---------|-------|------------|
| Ag 328.068 | 4.2281 | ppb | 0.7409 | 17.5 | 242.108 |
| Al 308.215 | 156464 | ppb | 505.224 | 0.3 | 303044 |
| As 188.980 | 351.600 | ppb | 9.9545 | 2.8 | 139.291 |
| B 249.678 | 44.6540 | ppb | 2.6051 | 5.8 | 369.894 |
| Ba 389.178 | 2798.90 | ppb | 2.3695 | 0.1 | 51717.4 |
| Be 313.042 | 22.5699 | ppb | 0.0629 | 0.3 | 34579.0 |
| Ca 370.602 | 290294 | ppb | 605.1 | 0.2 | 654138 |
| Cd 226.502 | 14.3102 | ppb | 0.3008 | 2.1 | 2190.40 |
| Co 228.615 | 162.568 | ppb | 2.4912 | 1.5 | 1425.44 |
| Cr 267.716 | 600.310 | ppb | 2.5272 | 0.4 | 16653.2 |
| Cu 324.754 | 1030.41 | ppb | 7.9310 | 0.8 | 48312.5 |
| Fe 271.441 | 550542 | ppb | 1336.82 | 0.2 | 799047 |
| K 766.491 | 18782.0 | ppb | 308.825 | 1.6 | 510952 |
| Mg 279.078 | 44916.6 | ppb | 42.0313 | 0.1 | 81143.6 |
| Mn 257.610 | 25207.4 | ppb | 357.224 | 1.4 | 5210085 |
| Mo 202.032 | 23.5671 | ppb | 1.0901 | 4.6 | 143.037 |
| Na 330.237 | 415.950 | ppb | 71.8652 | 17.3 | -106.507 |
| Ni 231.604 | 213.392 | ppb | 0.7181 | 0.3 | 494.503 |
| Pb 220.353 | 4168.05 | ppb | 6.1091 | 0.1 | 5421.91 |
| Sb 206.834 | 4.4690 | ppb | 8.2861 | 185.4 | 19.9565 |
| Se 196.026 | 10.6347 | ppb | 3.4365 | 32.3 | 22.2792 |
| Sn 189.925 | 123.339 | ppb | 7.0213 | 5.7 | 70.3641 |
| Sr 216.596 | 890.811 | ppb | 1.7432 | 0.2 | 7798.54 |
| Ti 334.941 | 2155.80 | ppb | 6.2607 | 0.3 | 469557 |
| Tl 190.794 | 32.2785 | ppb | 1.8442 | 5.7 | -37.2613 |
| V 292.401 | 544.350 | ppb | 0.2685 | 0.0 | 12532.8 |
| Zn 206.200 | 7432.27 | ppb | 52.6685 | 0.7 | 6953.03 |

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

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

Weight: 1

Volume: 1

Dilution: 1

| Label | Replicates Concentration | | |
|------------|--------------------------|-----------|-----------|
| Ag 328.068 | -0.2346u | 0.1413 | 0.0048 |
| Al 308.215 | 3.9551 | 4.4390 | -0.1043u |
| As 188.980 | -4.5367u | 1.9841 | 5.7324 |
| B 249.678 | -31.1825u | -30.5050u | -31.2645u |
| Ba 389.178 | 1.1905 | -0.0152u | 0.3156 |
| Be 313.042 | -0.0222u | -0.0249u | -0.0162u |
| Ca 370.602 | 5.008 | 6.482 | 12.51 |
| Cd 226.502 | -0.1353u | 0.2227 | -0.1221u |
| Co 228.615 | -0.4660u | 0.4017 | 0.1026 |
| Cr 267.716 | 0.1912 | 0.1116 | -0.2310u |
| Cu 324.754 | -0.3170u | -0.5311u | -0.5029u |
| Fe 271.441 | 15.8415 | 16.1028 | 18.4642 |
| K 766.491 | 0.3455 | 2.4522 | 1.1063 |
| Mg 279.078 | 4.6173 | 0.8434 | 5.6738 |
| Mn 257.610 | 0.1568 | 0.4280 | 0.7028 |
| Mo 202.032 | -0.9431u | -0.7380u | -1.6828u |
| Na 330.237 | -92.0350u | -86.3048u | -11.4489u |
| Ni 231.604 | 1.3413 | 1.2977 | 3.1056 |
| Pb 220.353 | -0.1893u | -3.1526u | -3.6886u |
| Sb 206.834 | -1.1888u | -6.5769u | -2.5865u |
| Se 196.026 | -4.1218u | -2.9427u | 1.2852 |
| Sn 189.925 | -2.4699u | 4.0575 | -1.9681u |
| Sr 216.596 | -0.4407u | 0.8300 | -0.7181u |
| Ti 334.941 | 0.2869 | 0.2234 | 0.1770 |
| Tl 190.794 | -7.1546u | -2.7481u | -0.1022u |
| V 292.401 | 0.0501 | 0.0336 | 0.1232 |
| Zn 206.200 | -2.3650u | 0.3709 | 0.1777 |

| Label | Sol'n Conc. | Units | SD | %RSD | Int. (c/s) |
|------------|-------------|-------|---------|--------|------------|
| Ag 328.068 | -0.0295 | ppb | 0.1903 | 645.1 | -30.9514 |
| Al 308.215 | 2.7633 | ppb | 2.4952 | 90.3 | -27.4372 |
| As 188.980 | 1.0599 | ppb | 5.1965 | 490.3 | -10.0472 |
| B 249.678 | -30.9840 | ppb | 0.4169 | 1.3 | 147.746 |
| Ba 389.178 | 0.4970 | ppb | 0.6229 | 125.4 | -22.6857 |
| Be 313.042 | -0.0211 | ppb | 0.0045 | 21.2 | -350.067 |
| Ca 370.602 | 8.000 | ppb | 3.975 | 49.7 | 15.07 |
| Cd 226.502 | -0.0116 | ppb | 0.2030 | 1753.7 | 34.5514 |
| Co 228.615 | 0.0127 | ppb | 0.4407 | 3460.1 | -7.2502 |
| Cr 267.716 | 0.0239 | ppb | 0.2243 | 936.9 | -27.3335 |
| Cu 324.754 | -0.4503 | ppb | 0.1163 | 25.8 | 123.632 |
| Fe 271.441 | 16.8028 | ppb | 1.4447 | 8.6 | 52.4552 |
| K 766.491 | 1.3014 | ppb | 1.0668 | 82.0 | 227.757 |
| Mg 279.078 | 3.7115 | ppb | 2.5394 | 68.4 | 39.8377 |
| Mn 257.610 | 0.4292 | ppb | 0.2730 | 63.6 | 138.748 |
| Mo 202.032 | -1.1213 | ppb | 0.4970 | 44.3 | 13.7126 |
| Na 330.237 | -63.2630 | ppb | 44.9636 | 71.1 | 55.9472 |
| Ni 231.604 | 1.9148 | ppb | 1.0314 | 53.9 | -3.0886 |
| Pb 220.353 | -2.3435 | ppb | 1.8847 | 80.4 | 30.3420 |
| Sb 206.834 | -3.4507 | ppb | 2.7961 | 81.0 | -3.7334 |
| Se 196.026 | -1.9264 | ppb | 2.8431 | 147.6 | 8.5713 |
| Sn 189.925 | -0.1269 | ppb | 3.6324 | 2863.3 | -8.2045 |
| Sr 216.596 | -0.1096 | ppb | 0.8254 | 753.0 | 20.8631 |
| Ti 334.941 | 0.2291 | ppb | 0.0552 | 24.1 | 22.1823 |
| Tl 190.794 | -3.3350 | ppb | 3.5627 | 106.8 | -13.1301 |
| V 292.401 | 0.0690 | ppb | 0.0477 | 69.1 | -5.0470 |
| Zn 206.200 | -0.6054 | ppb | 1.5268 | 252.2 | 2.1345 |

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

Cont Calib Verif (CCV) 4/25/2013, 10:55:53 AM Rack 4, Tube 37

Weight: 1

Volume: 1

Dilution: 1

| Label | Replicates Concentration | | |
|------------|--------------------------|---------|---------|
| Ag 328.068 | 512.004 | 511.082 | 510.219 |
| Al 308.215 | 5156.70 | 5070.84 | 5149.77 |
| As 188.980 | 518.880 | 514.733 | 517.122 |
| B 249.678 | 525.430 | 524.134 | 533.333 |
| Ba 389.178 | 5143.03 | 5099.52 | 5138.73 |
| Be 313.042 | 562.440 | 555.148 | 560.730 |
| Ca 370.602 | 5153 | 5100 | 5131 |
| Cd 226.502 | 543.385 | 539.318 | 543.317 |
| Co 228.615 | 545.211 | 540.374 | 545.431 |
| Cr 267.716 | 5348.87 | 5278.79 | 5349.00 |
| Cu 324.754 | 5398.49 | 5413.03 | 5265.48 |
| Fe 271.441 | 5234.45 | 5174.49 | 5225.37 |
| K 766.491 | 10716.3 | 10581.3 | 10660.5 |
| Mg 279.078 | 5383.74 | 5344.53 | 5389.89 |
| Mn 257.610 | 5435.55 | 5386.27 | 5452.92 |
| Mo 202.032 | 507.960 | 507.553 | 510.187 |
| Na 330.237 | 7644.65 | 8020.61 | 7970.68 |
| Ni 231.604 | 2746.27 | 2722.33 | 2750.81 |
| Pb 220.353 | 511.439 | 511.419 | 514.543 |
| Sb 206.834 | 977.834 | 977.932 | 987.265 |
| Se 196.026 | 5446.07 | 5400.73 | 5418.77 |
| Sn 189.925 | 5216.02 | 5129.29 | 5235.36 |
| Sr 216.596 | 2587.68 | 2568.55 | 2593.53 |
| Ti 334.941 | 514.862 | 508.441 | 513.719 |
| Tl 190.794 | 5150.28 | 5132.72 | 5170.17 |
| V 292.401 | 5183.23 | 5127.67 | 5167.73 |
| Zn 206.200 | 2792.91 | 2774.94 | 2811.89 |

| Label | Sol'n Conc. | Units | SD | %RSD | Int. (c/s) | QC Value |
|------------|-------------|-------|---------|------|------------|------------|
| Ag 328.068 | 511.102 | ppb | 0.8923 | 0.2 | 33358.6 | 102.22032 |
| Al 308.215 | 5125.77 | ppb | 47.7006 | 0.9 | 9888.01 | 102.51540 |
| As 188.980 | 516.912 | ppb | 2.0812 | 0.4 | 204.345 | 103.38231 |
| B 249.678 | 527.632 | ppb | 4.9792 | 0.9 | 6129.13 | 21.10529Q |
| Ba 389.178 | 5127.10 | ppb | 23.9780 | 0.5 | 93493.7 | 102.54190 |
| Be 313.042 | 559.439 | ppb | 3.8132 | 0.7 | 863011 | 111.88780Q |
| Ca 370.602 | 5128 | ppb | 26.77 | 0.5 | 12027 | 102.56006 |
| Cd 226.502 | 542.007 | ppb | 2.3287 | 0.4 | 16535.8 | 108.40134 |
| Co 228.615 | 543.672 | ppb | 2.8581 | 0.5 | 4694.81 | 108.73445 |
| Cr 267.716 | 5325.56 | ppb | 40.4966 | 0.8 | 146723 | 106.51112 |
| Cu 324.754 | 5359.00 | ppb | 81.3123 | 1.5 | 249857 | 107.17999 |
| Fe 271.441 | 5211.44 | ppb | 32.3174 | 0.6 | 7704.58 | 104.22870 |
| K 766.491 | 10652.7 | ppb | 67.8764 | 0.6 | 289882 | 106.52706 |
| Mg 279.078 | 5372.72 | ppb | 24.6069 | 0.5 | 9695.73 | 107.45439 |
| Mn 257.610 | 5424.92 | ppb | 34.5766 | 0.6 | 1121006 | 108.49832 |
| Mo 202.032 | 508.567 | ppb | 1.4182 | 0.3 | 3183.24 | 101.71331 |
| Na 330.237 | 7878.65 | ppb | 204.181 | 2.6 | 347.218 | 105.04861 |
| Ni 231.604 | 2739.80 | ppb | 15.2980 | 0.6 | 6308.57 | 109.59210 |
| Pb 220.353 | 512.467 | ppb | 1.7977 | 0.4 | 695.701 | 102.49341 |
| Sb 206.834 | 981.010 | ppb | 5.4170 | 0.6 | 931.819 | 98.10104 |
| Se 196.026 | 5421.86 | ppb | 22.8289 | 0.4 | 2355.75 | 108.43716 |
| Sn 189.925 | 5193.55 | ppb | 56.4856 | 1.1 | 3293.34 | 103.87109 |
| Sr 216.596 | 2583.25 | ppb | 13.0649 | 0.5 | 21950.0 | 103.33005 |
| Ti 334.941 | 512.341 | ppb | 3.4254 | 0.7 | 111541 | 102.46812 |
| Tl 190.794 | 5151.06 | ppb | 18.7335 | 0.4 | 4231.37 | 103.02113 |
| V 292.401 | 5159.55 | ppb | 28.6701 | 0.6 | 118551 | 103.19094 |
| Zn 206.200 | 2793.25 | ppb | 18.4747 | 0.7 | 2695.41 | 111.72987Q |

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

Cont Calib Blank (CCB) 4/25/2013, 11:01:32 AM Rack 4, Tube 38

Weight: 1 Volume: 1 Dilution: 1

| Label | Replicates Concentration | | |
|------------|--------------------------|-----------|-----------|
| Ag 328.068 | 0.4735 | -0.2965u | 0.1116 |
| Al 308.215 | -3.9260u | 1.3929 | 5.7355 |
| As 188.980 | 5.7446 | -0.6180u | -7.6771u |
| B 249.678 | -24.6449u | -25.0747u | -26.2617u |
| Ba 389.178 | -0.8086u | 0.0328 | 1.2552 |
| Be 313.042 | -0.0152u | -0.0163u | -0.0196u |
| Ca 370.602 | 5.841 | 3.342 | 3.399 |
| Cd 226.502 | -0.1393u | 0.0027 | 0.0268 |
| Co 228.615 | -0.8082u | -0.6875u | 0.2076 |
| Cr 267.716 | 0.1569 | -0.0679u | 0.2320 |
| Cu 324.754 | 0.1630 | 0.0291 | -0.4096u |
| Fe 271.441 | 13.3215 | 10.9767 | 17.7011 |
| K 766.491 | 0.7495 | -0.5178u | 0.7409 |
| Mg 279.078 | 4.6390 | 2.2800 | -0.5445u |
| Mn 257.610 | 0.0042 | 0.0430 | 0.0612 |
| Mo 202.032 | 0.0155 | -1.0152u | -0.4488u |
| Na 330.237 | -133.575u | -110.156u | -166.814u |
| Ni 231.604 | 0.3313 | 1.8994 | 1.2483 |
| Pb 220.353 | -1.3845u | 0.4967 | -1.5198u |
| Sb 206.834 | 0.6228 | -2.0399u | 0.6996 |
| Se 196.026 | 5.5803 | 6.5683 | 3.6360 |
| Sn 189.925 | -1.7448u | 1.5301 | -0.6385u |
| Sr 216.596 | 0.7564 | -0.1853u | 0.3944 |
| Ti 334.941 | 0.0288 | 0.0040 | 0.0136 |
| Tl 190.794 | -3.5379u | -1.9634u | -0.5842u |
| V 292.401 | 0.0355 | -0.3123u | -0.1200u |
| Zn 206.200 | 7.2899 | 6.1852 | 6.7704 |

| Label | Sol'n Conc. | Units | SD | %RSD | Int. (c/s) | QC Value |
|------------|-------------|-------|---------|-------|------------|------------|
| Ag 328.068 | 0.0962 | ppb | 0.3853 | 400.5 | -22.7213 | 0.09620 |
| Al 308.215 | 1.0675 | ppb | 4.8390 | 453.3 | -30.6863 | 1.06746 |
| As 188.980 | -0.8502 | ppb | 6.7139 | 789.7 | -10.8415 | -0.85016 |
| B 249.678 | -25.3271 | ppb | 0.8374 | 3.3 | 208.386 | -25.32712 |
| Ba 389.178 | 0.1598 | ppb | 1.0378 | 649.5 | -28.8464 | 0.15978 |
| Be 313.042 | -0.0170 | ppb | 0.0023 | 13.4 | -343.896 | -0.01703 |
| Ca 370.602 | 4.194 | ppb | 1.427 | 34.0 | 6.706 | 4.19384 |
| Cd 226.502 | -0.0366 | ppb | 0.0897 | 245.1 | 33.7549 | -0.03661 |
| Co 228.615 | -0.4294 | ppb | 0.5549 | 129.2 | -11.0913 | -0.42937 |
| Cr 267.716 | 0.1070 | ppb | 0.1560 | 145.8 | -25.0451 | 0.10703 |
| Cu 324.754 | -0.0725 | ppb | 0.2995 | 413.0 | 141.258 | -0.07252 |
| Fe 271.441 | 13.9998 | ppb | 3.4131 | 24.4 | 48.4184 | 13.99978 |
| K 766.491 | 0.3242 | ppb | 0.7293 | 224.9 | 201.184 | 0.32420 |
| Mg 279.078 | 2.1248 | ppb | 2.5952 | 122.1 | 36.9659 | 2.12484 |
| Mn 257.610 | 0.0362 | ppb | 0.0291 | 80.6 | 57.5067 | 0.03616 |
| Mo 202.032 | -0.4828 | ppb | 0.5162 | 106.9 | 17.6945 | -0.48283 |
| Na 330.237 | -136.848 | ppb | 28.4701 | 20.8 | 53.0252 | -136.84824 |
| Ni 231.604 | 1.1597 | ppb | 0.7878 | 67.9 | -4.8296 | 1.15969 |
| Pb 220.353 | -0.8025 | ppb | 1.1272 | 140.5 | 32.3329 | -0.80254 |
| Sb 206.834 | -0.2392 | ppb | 1.5600 | 652.3 | -0.8427 | -0.23916 |
| Se 196.026 | 5.2616 | ppb | 1.4919 | 28.4 | 11.6802 | 5.26156 |
| Sn 189.925 | -0.2844 | ppb | 1.6659 | 585.8 | -8.3046 | -0.28440 |
| Sr 216.596 | 0.3218 | ppb | 0.4750 | 147.6 | 24.5079 | 0.32183 |
| Ti 334.941 | 0.0155 | ppb | 0.0125 | 80.8 | -24.3381 | 0.01546 |
| Tl 190.794 | -2.0285 | ppb | 1.4779 | 72.9 | -12.0524 | -2.02850 |
| V 292.401 | -0.1322 | ppb | 0.1742 | 131.7 | -9.8097 | -0.13225 |
| Zn 206.200 | 6.7485 | ppb | 0.5527 | 8.2 | 9.0129 | 6.74850 |

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

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

Weight: 1

Volume: 1

Dilution: 1

| Label | Replicates Concentration | | |
|------------|--------------------------|---------|---------|
| Ag 328.068 | 44.3277 | 43.8010 | 43.7989 |
| Al 308.215 | 5465.18 | 5541.76 | 5536.74 |
| As 188.980 | 107.035 | 122.591 | 114.460 |
| B 249.678 | 187.420 | 189.697 | 188.472 |
| Ba 389.178 | 105.239 | 104.574 | 106.071 |
| Be 313.042 | 57.7915 | 57.8798 | 57.8402 |
| Ca 370.602 | 5098 | 5133 | 5122 |
| Cd 226.502 | 56.7740 | 56.4895 | 56.4103 |
| Co 228.615 | 57.2080 | 55.4573 | 56.2768 |
| Cr 267.716 | 109.782 | 111.215 | 111.093 |
| Cu 324.754 | 110.092 | 110.592 | 111.169 |
| Fe 271.441 | 5287.50 | 5280.98 | 5280.60 |
| K 766.491 | 5446.26 | 5431.52 | 5418.74 |
| Mg 279.078 | 5458.95 | 5463.11 | 5458.27 |
| Mn 257.610 | 567.077 | 566.348 | 565.208 |
| Mo 202.032 | 102.939 | 104.308 | 104.118 |
| Na 330.237 | 5771.36 | 5401.11 | 5703.11 |
| Ni 231.604 | 112.159 | 111.770 | 110.519 |
| Pb 220.353 | 54.1296 | 52.7821 | 53.0353 |
| Sb 206.834 | 50.0314 | 52.0898 | 44.7704 |
| Se 196.026 | 107.054 | 121.026 | 98.1031 |
| Sn 189.925 | 205.216 | 206.391 | 215.441 |
| Sr 216.596 | 106.613 | 107.192 | 106.439 |
| Ti 334.941 | 103.648 | 104.239 | 103.921 |
| Tl 190.794 | 34.7843 | 40.2739 | 40.2178 |
| V 292.401 | 106.421 | 106.043 | 106.068 |
| Zn 206.200 | 110.543 | 110.888 | 111.409 |

| Label | Sol'n Conc. | Units | SD | %RSD | Int. (c/s) |
|------------|-------------|-------|---------|------|------------|
| Ag 328.068 | 43.9759 | ppb | 0.3047 | 0.7 | 2846.22 |
| Al 308.215 | 5514.56 | ppb | 42.8394 | 0.8 | 10653.2 |
| As 188.980 | 114.695 | ppb | 7.7809 | 6.8 | 37.2089 |
| B 249.678 | 188.530 | ppb | 1.1393 | 0.6 | 2494.78 |
| Ba 389.178 | 105.294 | ppb | 0.7499 | 0.7 | 1906.18 |
| Be 313.042 | 57.8372 | ppb | 0.0442 | 0.1 | 88944.0 |
| Ca 370.602 | 5118 | ppb | 17.91 | 0.4 | 11809 |
| Cd 226.502 | 56.5580 | ppb | 0.1913 | 0.3 | 1771.51 |
| Co 228.615 | 56.3140 | ppb | 0.8760 | 1.6 | 478.354 |
| Cr 267.716 | 110.696 | ppb | 0.7943 | 0.7 | 3024.11 |
| Cu 324.754 | 110.617 | ppb | 0.5390 | 0.5 | 5302.89 |
| Fe 271.441 | 5283.03 | ppb | 3.8775 | 0.1 | 7703.62 |
| K 766.491 | 5432.17 | ppb | 13.7708 | 0.3 | 147915 |
| Mg 279.078 | 5460.11 | ppb | 2.6195 | 0.0 | 9921.06 |
| Mn 257.610 | 566.211 | ppb | 0.9419 | 0.2 | 117084 |
| Mo 202.032 | 103.788 | ppb | 0.7417 | 0.7 | 667.471 |
| Na 330.237 | 5625.20 | ppb | 197.040 | 3.5 | 276.452 |
| Ni 231.604 | 111.483 | ppb | 0.8569 | 0.8 | 249.592 |
| Pb 220.353 | 53.3157 | ppb | 0.7162 | 1.3 | 102.137 |
| Sb 206.834 | 48.9639 | ppb | 3.7747 | 7.7 | 43.8640 |
| Se 196.026 | 108.728 | ppb | 11.5528 | 10.6 | 56.5826 |
| Sn 189.925 | 209.016 | ppb | 5.5952 | 2.7 | 124.747 |
| Sr 216.596 | 106.748 | ppb | 0.3939 | 0.4 | 927.599 |
| Ti 334.941 | 103.936 | ppb | 0.2958 | 0.3 | 22621.4 |
| Tl 190.794 | 38.4253 | ppb | 3.1534 | 8.2 | 20.4194 |
| V 292.401 | 106.177 | ppb | 0.2115 | 0.2 | 2418.79 |
| Zn 206.200 | 110.947 | ppb | 0.4361 | 0.4 | 106.267 |

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

ics 680-274276/3-a (Samp) 4/25/2013, 11:12:49 AM Rack 4, Tube 40
 Weight: 1 Volume: 1 Dilution: 1

| Label | Replicates Concentration | | |
|------------|--------------------------|---------|---------|
| Ag 328.068 | 116.846 | 117.184 | 115.680 |
| Al 308.215 | 2204.90 | 2234.02 | 2219.90 |
| As 188.980 | 244.307 | 235.723 | 232.102 |
| B 249.678 | 406.015 | 411.184 | 407.429 |
| Ba 389.178 | 202.048 | 203.786 | 202.471 |
| Be 313.042 | 228.833 | 230.329 | 228.554 |
| Ca 370.602 | 20399 | 20614 | 20408 |
| Cd 226.502 | 221.560 | 223.683 | 221.228 |
| Co 228.615 | 218.847 | 219.624 | 216.391 |
| Cr 267.716 | 215.160 | 218.039 | 217.167 |
| Cu 324.754 | 221.384 | 222.677 | 219.962 |
| Fe 271.441 | 20986.4 | 21122.1 | 20955.8 |
| K 766.491 | 21666.7 | 21751.3 | 21635.1 |
| Mg 279.078 | 21646.4 | 21795.3 | 21617.8 |
| Mn 257.610 | 2256.91 | 2269.63 | 2249.85 |
| Mo 202.032 | 204.817 | 206.322 | 205.807 |
| Na 330.237 | 20186.0 | 20016.0 | 19609.8 |
| Ni 231.604 | 220.539 | 221.150 | 217.576 |
| Pb 220.353 | 205.246 | 205.512 | 210.743 |
| Sb 206.834 | 192.672 | 201.914 | 197.781 |
| Se 196.026 | 226.795 | 223.394 | 224.108 |
| Sn 189.925 | 201.956 | 206.530 | 203.755 |
| Sr 216.596 | 209.665 | 213.397 | 210.387 |
| Ti 334.941 | 204.981 | 206.582 | 205.397 |
| Tl 190.794 | 40.3209 | 43.4638 | 38.7294 |
| V 292.401 | 210.894 | 211.543 | 210.154 |
| Zn 206.200 | 226.083 | 225.452 | 223.671 |

| Label | Sol'n Conc. | Units | SD | %RSD | Int. (c/s) |
|------------|-------------|-------|---------|------|------------|
| Ag 328.068 | 116.570 | ppb | 0.7888 | 0.7 | 7596.95 |
| Al 308.215 | 2219.61 | ppb | 14.5633 | 0.7 | 4274.70 |
| As 188.980 | 237.377 | ppb | 6.2684 | 2.6 | 88.2952 |
| B 249.678 | 408.209 | ppb | 2.6712 | 0.7 | 4832.40 |
| Ba 389.178 | 202.768 | ppb | 0.9063 | 0.4 | 3735.49 |
| Be 313.042 | 229.239 | ppb | 0.9547 | 0.4 | 353504 |
| Ca 370.602 | 20473 | ppb | 121.5 | 0.6 | 47226 |
| Cd 226.502 | 222.157 | ppb | 1.3319 | 0.6 | 6857.28 |
| Co 228.615 | 218.287 | ppb | 1.6877 | 0.8 | 1876.36 |
| Cr 267.716 | 216.789 | ppb | 1.4761 | 0.7 | 5953.00 |
| Cu 324.754 | 221.341 | ppb | 1.3581 | 0.6 | 10468.9 |
| Fe 271.441 | 21021.4 | ppb | 88.4995 | 0.4 | 30567.0 |
| K 766.491 | 21684.4 | ppb | 60.1226 | 0.3 | 589878 |
| Mg 279.078 | 21686.5 | ppb | 95.2898 | 0.4 | 39310.7 |
| Mn 257.610 | 2258.79 | ppb | 10.0246 | 0.4 | 466935 |
| Mo 202.032 | 205.649 | ppb | 0.7649 | 0.4 | 1301.77 |
| Na 330.237 | 19937.3 | ppb | 296.084 | 1.5 | 832.577 |
| Ni 231.604 | 219.755 | ppb | 1.9119 | 0.9 | 499.474 |
| Pb 220.353 | 207.167 | ppb | 3.0997 | 1.5 | 301.134 |
| Sb 206.834 | 197.456 | ppb | 4.6298 | 2.3 | 179.240 |
| Se 196.026 | 224.766 | ppb | 1.7934 | 0.8 | 107.220 |
| Sn 189.925 | 204.080 | ppb | 2.3040 | 1.1 | 121.618 |
| Sr 216.596 | 211.150 | ppb | 1.9797 | 0.9 | 1817.80 |
| Ti 334.941 | 205.653 | ppb | 0.8305 | 0.4 | 44825.5 |
| Tl 190.794 | 40.8380 | ppb | 2.4092 | 5.9 | 19.7731 |
| V 292.401 | 210.864 | ppb | 0.6946 | 0.3 | 4810.69 |
| Zn 206.200 | 225.069 | ppb | 1.2597 | 0.6 | 217.812 |

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

680-89514-a-1-a (Samp) 4/25/2013, 11:18:39 AM Rack 4, Tube 41

Weight: 1

Volume: 1

Dilution: 1

| Label | Replicates Concentration | | |
|------------|--------------------------|-----------|-----------|
| Ag 328.068 | 4.7606 | 4.4485 | 4.7495 |
| Al 308.215 | 4579.12 | 4150.67 | 4280.15 |
| As 188.980 | 78.7854 | 73.5548 | 70.3575 |
| B 249.678 | 58720.5x | 56024.9x | 56483.3x |
| Ba 389.178 | 16.8501 | 15.7506 | 16.2527 |
| Be 313.042 | 2.2200u | 2.6326u | 2.5143u |
| Ca 370.602 | 325.6 | 304.5 | 299.2 |
| Cd 226.502 | 0.1176u | -0.0757u | -0.3937u |
| Co 228.615 | 85.9282u | 94.9620u | 92.5348u |
| Cr 267.716 | 64.9516 | 61.3458 | 61.6224 |
| Cu 324.754 | 194.567 | 177.590 | 182.641 |
| Fe 271.441 | 811.308 | 754.661 | 769.809 |
| K 766.491 | 1209.46 | 1137.50 | 1158.65 |
| Mg 279.078 | 52.3812 | 41.7388 | 50.4277 |
| Mn 257.610 | 15.4018 | 14.4062 | 14.6622 |
| Mo 202.032 | 113264x | 106234x | 108237x |
| Na 330.237 | 2521998x | 2366611x | 2406130x |
| Ni 231.604 | 40.9668 | 40.3007 | 40.9611 |
| Pb 220.353 | -21.1618u | -17.2135u | -22.8424u |
| Sb 206.834 | -808.814u | -663.066u | -717.222u |
| Se 196.026 | 32.1649 | 30.4068 | 30.1550 |
| Sn 189.925 | 0.5021 | 4.5732 | 3.1806 |
| Sr 216.596 | -15.3012u | 9.2175u | 0.4159u |
| Ti 334.941 | 145.369 | 136.436 | 139.198 |
| Tl 190.794 | -44.3918u | -42.3882u | -38.5870u |
| V 292.401 | 18.7245u | 68.3411u | 52.0701u |
| Zn 206.200 | 462.234 | 439.096 | 442.812 |

| Label | Sol'n Conc. | Units | SD | %RSD | Int. (c/s) |
|------------|-------------|-------|---------|-------|------------|
| Ag 328.068 | 4.6528b | ppb | 0.1771 | 3.8 | 272.838 |
| Al 308.215 | 4336.65b | ppb | 219.744 | 5.1 | 13292.2 |
| As 188.980 | 74.2326b | ppb | 4.2547 | 5.7 | 0.6614 |
| B 249.678 | 57076.2xb | ppb | 1442.30 | 2.5 | 612196 |
| Ba 389.178 | 16.2845b | ppb | 0.5504 | 3.4 | 703.484 |
| Be 313.042 | 2.4557b | ppb | 0.2125 | 8.7 | -10680.3 |
| Ca 370.602 | 309.8b | ppb | 13.96 | 4.5 | 691.1 |
| Cd 226.502 | -0.1173b | ppb | 0.2582 | 220.2 | 24.1005 |
| Co 228.615 | 91.1417b | ppb | 4.6753 | 5.1 | -1979.57 |
| Cr 267.716 | 62.6400b | ppb | 2.0068 | 3.2 | 1725.76 |
| Cu 324.754 | 184.933b | ppb | 8.7174 | 4.7 | 11597.1 |
| Fe 271.441 | 778.593b | ppb | 29.3274 | 3.8 | 1238.01 |
| K 766.491 | 1168.54b | ppb | 36.9848 | 3.2 | 31969.6 |
| Mg 279.078 | 48.1826b | ppb | 5.6653 | 11.8 | 119.936 |
| Mn 257.610 | 14.8234b | ppb | 0.5170 | 3.5 | 3104.26 |
| Mo 202.032 | 109245xb | ppb | 3622.09 | 3.3 | 681210 |
| Na 330.237 | 2431580xb | ppb | 80759.1 | 3.3 | 95361.5 |
| Ni 231.604 | 40.7429b | ppb | 0.3829 | 0.9 | 86.4370 |
| Pb 220.353 | -20.4059b | ppb | 2.8896 | 14.2 | -107.060 |
| Sb 206.834 | -729.701b | ppb | 73.6712 | 10.1 | -2014.37 |
| Se 196.026 | 30.9089b | ppb | 1.0950 | 3.5 | 22.7813 |
| Sn 189.925 | 2.7520b | ppb | 2.0692 | 75.2 | -5.7597 |
| Sr 216.596 | -1.8892b | ppb | 12.4208 | 657.5 | -3147.19 |
| Ti 334.941 | 140.334b | ppb | 4.5739 | 3.3 | 30389.8 |
| Tl 190.794 | -41.7890b | ppb | 2.9484 | 7.1 | -84.6779 |
| V 292.401 | 46.3787b | ppb | 25.2932 | 54.5 | -17078.4 |
| Zn 206.200 | 448.047b | ppb | 12.4259 | 2.8 | 421.646 |

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

CCV (Samp) 4/25/2013, 11:24:18 AM Rack 4, Tube 42

Weight: 1 Volume: 1 Dilution: 1

| Label | Replicates Concentration | | |
|------------|--------------------------|---------|---------|
| Ag 328.068 | 514.993 | 514.681 | 523.970 |
| Al 308.215 | 5226.53 | 5247.46 | 5242.79 |
| As 188.980 | 536.635 | 525.849 | 529.755 |
| B 249.678 | 1370.97 | 1314.33 | 1271.88 |
| Ba 389.178 | 5132.63 | 5147.23 | 5157.92 |
| Be 313.042 | 564.203 | 564.164 | 567.017 |
| Ca 370.602 | 5164 | 5163 | 5189 |
| Cd 226.502 | 545.056 | 546.354 | 547.947 |
| Co 228.615 | 544.940 | 543.945 | 547.460 |
| Cr 267.716 | 5389.38 | 5416.19 | 5423.97 |
| Cu 324.754 | 5425.18 | 5412.94 | 5465.76 |
| Fe 271.441 | 5245.75 | 5258.44 | 5279.51 |
| K 766.491 | 10736.5 | 10765.9 | 10798.1 |
| Mg 279.078 | 5410.32 | 5423.04 | 5426.93 |
| Mn 257.610 | 5433.08 | 5455.12 | 5473.75 |
| Mo 202.032 | 599.962 | 589.144 | 584.058 |
| Na 330.237 | 7815.05 | 7635.06 | 7935.95 |
| Ni 231.604 | 2758.80 | 2758.11 | 2770.41 |
| Pb 220.353 | 514.177 | 515.122 | 522.212 |
| Sb 206.834 | 988.276 | 997.144 | 1006.20 |
| Se 196.026 | 5479.98 | 5486.73 | 5482.72 |
| Sn 189.925 | 5270.91 | 5254.18 | 5292.09 |
| Sr 216.596 | 2602.22 | 2605.96 | 2615.39 |
| Ti 334.941 | 514.821 | 515.755 | 517.650 |
| Tl 190.794 | 5168.68 | 5166.37 | 5186.41 |
| V 292.401 | 5180.49 | 5180.05 | 5204.15 |
| Zn 206.200 | 2798.69 | 2814.99 | 2798.88 |

| Label | Sol'n Conc. | Units | SD | %RSD | Int. (c/s) |
|------------|-------------|-------|---------|------|------------|
| Ag 328.068 | 517.881 | ppb | 5.2752 | 1.0 | 33802.8 |
| Al 308.215 | 5238.93 | ppb | 10.9859 | 0.2 | 10110.6 |
| As 188.980 | 530.746 | ppb | 5.4610 | 1.0 | 210.082 |
| B 249.678 | 1319.06 | ppb | 49.7135 | 3.8 | 14611.2 |
| Ba 389.178 | 5145.93 | ppb | 12.6917 | 0.2 | 93837.6 |
| Be 313.042 | 565.128 | ppb | 1.6359 | 0.3 | 871782 |
| Ca 370.602 | 5172 | ppb | 14.72 | 0.3 | 12129 |
| Cd 226.502 | 546.453 | ppb | 1.4482 | 0.3 | 16671.1 |
| Co 228.615 | 545.449 | ppb | 1.8121 | 0.3 | 4708.19 |
| Cr 267.716 | 5409.85 | ppb | 18.1463 | 0.3 | 149045 |
| Cu 324.754 | 5434.63 | ppb | 27.6472 | 0.5 | 253383 |
| Fe 271.441 | 5261.23 | ppb | 17.0513 | 0.3 | 7777.58 |
| K 766.491 | 10766.9 | ppb | 30.8279 | 0.3 | 292986 |
| Mg 279.078 | 5420.10 | ppb | 8.6892 | 0.2 | 9781.20 |
| Mn 257.610 | 5453.98 | ppb | 20.3602 | 0.4 | 1127012 |
| Mo 202.032 | 591.055 | ppb | 8.1221 | 1.4 | 3697.55 |
| Na 330.237 | 7795.35 | ppb | 151.410 | 1.9 | 343.835 |
| Ni 231.604 | 2762.44 | ppb | 6.9123 | 0.3 | 6360.76 |
| Pb 220.353 | 517.170 | ppb | 4.3920 | 0.8 | 701.700 |
| Sb 206.834 | 997.208 | ppb | 8.9647 | 0.9 | 945.752 |
| Se 196.026 | 5483.14 | ppb | 3.3905 | 0.1 | 2382.27 |
| Sn 189.925 | 5272.39 | ppb | 19.0004 | 0.4 | 3343.45 |
| Sr 216.596 | 2607.85 | ppb | 6.7865 | 0.3 | 22156.7 |
| Ti 334.941 | 516.075 | ppb | 1.4414 | 0.3 | 112354 |
| Tl 190.794 | 5173.82 | ppb | 10.9637 | 0.2 | 4250.08 |
| V 292.401 | 5188.23 | ppb | 13.7907 | 0.3 | 119197 |
| Zn 206.200 | 2804.18 | ppb | 9.3585 | 0.3 | 2615.59 |

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

CCB (Samp) 4/25/2013, 11:29:57 AM Rack 4, Tube 43
 Weight: 1 Volume: 1 Dilution: 1

| Label | Replicates Concentration | | |
|------------|--------------------------|----------|-----------|
| Ag 328.068 | -0.4861u | 0.1654 | -0.0285u |
| Al 308.215 | -2.8078u | -7.5583u | -0.1027 |
| As 188.980 | 2.2748 | -2.0626u | 10.1638 |
| B 249.678 | 284.205 | 265.762 | 254.619 |
| Ba 389.178 | 0.6409 | 1.4991 | 0.1479 |
| Be 313.042 | -0.0134u | -0.0172u | -0.0215u |
| Ca 370.602 | 3.988 | 2.016 | -0.4742u |
| Cd 226.502 | 0.1080 | -0.2393u | -0.2685u |
| Co 228.615 | 0.1564 | -0.3314u | -0.4706u |
| Cr 267.716 | 0.6037 | 0.3929 | 0.2539 |
| Cu 324.754 | 0.4612 | -0.4433u | -0.0330u |
| Fe 271.441 | 1.4592 | -2.7873u | -8.0723u |
| K 766.491 | -0.7655u | 0.7414 | 0.5643 |
| Mg 279.078 | 1.3748 | 4.3147 | 3.1586 |
| Mn 257.610 | -0.0480u | -0.0562u | -0.0011u |
| Mo 202.032 | 16.2224 | 15.0163 | 14.3676 |
| Na 330.237 | -129.730u | 190.215 | -85.3279u |
| Ni 231.604 | -0.2387u | 0.2835 | 0.7950 |
| Pb 220.353 | 1.4800 | -1.4034u | 0.2065 |
| Sb 206.834 | 2.8969 | 4.8916 | -2.7645u |
| Se 196.026 | 2.4791 | 6.3366 | 11.6410 |
| Sn 189.925 | -2.0339u | 2.1502 | 0.3006 |
| Sr 216.596 | -0.0524u | 0.2386 | 0.0287u |
| Ti 334.941 | 0.0237 | -0.1317u | -0.0957u |
| Tl 190.794 | 0.4798 | 1.3655 | -4.2724u |
| V 292.401 | 0.0895u | -0.0195u | 0.1895 |
| Zn 206.200 | -0.6568u | 2.9758 | -0.7476u |

| Label | Sol'n Conc. | Units | SD | %RSD | Int. (c/s) |
|------------|-------------|-------|---------|--------|------------|
| Ag 328.068 | -0.1164 | ppb | 0.3346 | 287.5 | -36.6186 |
| Al 308.215 | -3.4896 | ppb | 3.7743 | 108.2 | -38.8297 |
| As 188.980 | 3.4587 | ppb | 6.1986 | 179.2 | -9.0530 |
| B 249.678 | 268.195 | ppb | 14.9420 | 5.6 | 3354.23 |
| Ba 389.178 | 0.7626 | ppb | 0.6838 | 89.7 | -17.7968 |
| Be 313.042 | -0.0173 | ppb | 0.0040 | 23.3 | -346.317 |
| Ca 370.602 | 1.843 | ppb | 2.236 | 121.3 | 1.460 |
| Cd 226.502 | -0.1333 | ppb | 0.2094 | 157.2 | 30.7990 |
| Co 228.615 | -0.2152 | ppb | 0.3293 | 153.0 | -9.6294 |
| Cr 267.716 | 0.4169 | ppb | 0.1761 | 42.3 | -16.5082 |
| Cu 324.754 | -0.0051 | ppb | 0.4529 | 8956.4 | 144.793 |
| Fe 271.441 | -3.1335 | ppb | 4.7752 | 152.4 | 23.5246 |
| K 766.491 | 0.1801 | ppb | 0.8236 | 457.4 | 197.264 |
| Mg 279.078 | 2.9494 | ppb | 1.4811 | 50.2 | 38.4605 |
| Mn 257.610 | -0.0351 | ppb | 0.0297 | 84.6 | 42.7695 |
| Mo 202.032 | 15.2021 | ppb | 0.9412 | 6.2 | 115.497 |
| Na 330.237 | -8.2810 | ppb | 173.330 | 2093.1 | 58.1039 |
| Ni 231.604 | 0.2799 | ppb | 0.5169 | 184.6 | -6.8577 |
| Pb 220.353 | 0.0944 | ppb | 1.4450 | 1531.0 | 33.4764 |
| Sb 206.834 | 1.6746 | ppb | 3.9717 | 237.2 | 0.6988 |
| Se 196.026 | 6.8189 | ppb | 4.5999 | 67.5 | 12.3538 |
| Sn 189.925 | 0.1390 | ppb | 2.0967 | 1508.5 | -8.0355 |
| Sr 216.596 | 0.0716 | ppb | 0.1502 | 209.7 | 21.9503 |
| Ti 334.941 | -0.0679 | ppb | 0.0813 | 119.8 | -42.4844 |
| Tl 190.794 | -0.8090 | ppb | 3.0319 | 374.8 | -11.0524 |
| V 292.401 | 0.0865 | ppb | 0.1045 | 120.8 | -7.2934 |
| Zn 206.200 | 0.5238 | ppb | 2.1240 | 405.5 | 257.1908 |

CA (Samp) 4/25/2013, 11:35:46 AM Rack 4, Tube 44
Weight: 1 Volume: 1 Dilution: 1

| Label | Replicates Concentration | | |
|------------|--------------------------|-----------|-----------|
| Ag 328.068 | -0.8173u | -0.3113u | -0.0233u |
| Al 308.215 | 16.6057 | 12.3716 | 8.5975 |
| As 188.980 | -3.8841u | 2.8290 | -8.7093u |
| B 249.678 | 130.607 | 124.913 | 119.124 |
| Ba 389.178 | 0.0931 | 1.4392 | 0.4792 |
| Be 313.042 | -0.2407u | -0.2549u | -0.2320u |
| Ca 370.602 | 1086928x | 1081437x | 1076054x |
| Cd 226.502 | 0.8213 | 1.0166 | 0.6989 |
| Co 228.615 | -2.1458u | -0.7407u | -1.0892u |
| Cr 267.716 | 0.7758 | 0.3346 | 1.0272 |
| Cu 324.754 | -0.8966u | -1.6250u | -2.1318u |
| Fe 271.441 | 25.9733 | 19.6605 | 31.5981 |
| K 766.491 | 0.3234 | 0.5930 | 1.4804 |
| Mg 279.078 | 5.1493 | 11.2761 | 14.2172 |
| Mn 257.610 | 0.1455 | 0.1893 | 0.1313 |
| Mo 202.032 | 5.8344 | 6.4312 | 4.6970 |
| Na 330.237 | -114.331u | 161.524 | -48.0597u |
| Ni 231.604 | 1.7229 | 0.6945 | 1.2624 |
| Pb 220.353 | 3.4962 | -1.0783u | 4.9942 |
| Sb 206.834 | -3.6535u | -0.5499u | -5.7222u |
| Se 196.026 | 7.9397 | -1.4814u | -8.4595u |
| Sn 189.925 | 0.3180 | 3.0599 | -1.6327u |
| Sr 216.596 | -1.3859 | -1.8775 | -1.4626 |
| Ti 334.941 | 3.5425 | 3.4832 | 3.5630 |
| Tl 190.794 | -7.8876u | -13.0248u | -5.2571u |
| V 292.401 | -0.9275u | -0.7265u | -1.1805u |
| Zn 206.200 | 6.0537 | 5.9801 | 6.5903 |

| Label | Sol'n Conc. | Units | SD | %RSD | Int. (c/s) |
|------------|-------------|-------|---------|---------|------------|
| Ag 328.068 | -0.3840b | ppb | 0.4020 | 104.7 | -56.1054 |
| Al 308.215 | 12.5249b | ppb | 4.0063 | 32.0 | -8.2219 |
| As 188.980 | -3.2548b | ppb | 5.7948 | 178.0 | -11.8421 |
| B 249.678 | 124.881b | ppb | 5.7418 | 4.6 | 1818.23 |
| Ba 389.178 | 0.6705b | ppb | 0.6932 | 103.4 | -19.4714 |
| Be 313.042 | -0.2425b | ppb | 0.0116 | 4.8 | -381.460 |
| Ca 370.602 | 1081473xb | ppb | 5437 | 0.5 | 2557915 |
| Cd 226.502 | 0.8456b | ppb | 0.1603 | 19.0 | 60.6489 |
| Co 228.615 | -1.3252b | ppb | 0.7317 | 55.2 | -18.9166 |
| Cr 267.716 | 0.7125b | ppb | 0.3506 | 49.2 | -8.3528 |
| Cu 324.754 | -1.5511b | ppb | 0.6209 | 40.0 | 72.5156 |
| Fe 271.441 | 25.7440b | ppb | 5.9721 | 23.2 | 65.3963 |
| K 766.491 | 0.7989b | ppb | 0.6054 | 75.8 | 214.094 |
| Mg 279.078 | 10.2142b | ppb | 4.6263 | 45.3 | 51.6241 |
| Mn 257.610 | 0.1554b | ppb | 0.0302 | 19.5 | 95.1145 |
| Mo 202.032 | 5.6542b | ppb | 0.8810 | 15.6 | 55.9619 |
| Na 330.237 | -0.2888b | ppb | 143.999 | 49854.3 | 58.3627 |
| Ni 231.604 | 1.2266b | ppb | 0.5152 | 42.0 | -4.6749 |
| Pb 220.353 | 2.4707b | ppb | 3.1635 | 128.0 | 36.5562 |
| Sb 206.834 | -3.3085b | ppb | 2.6034 | 78.7 | -3.6808 |
| Se 196.026 | -0.6671b | ppb | 8.2299 | 1233.8 | 9.1160 |
| Sn 189.925 | 0.5817b | ppb | 2.3573 | 405.2 | -7.4026 |
| Sr 216.596 | -1.5753b | ppb | 0.2645 | 16.8 | 96.3605 |
| Ti 334.941 | 3.5296b | ppb | 0.0414 | 1.2 | 740.800 |
| Tl 190.794 | -8.7232b | ppb | 3.9507 | 45.3 | -17.5750 |
| V 292.401 | -0.9449b | ppb | 0.2275 | 24.1 | -29.5286 |
| Zn 206.200 | 6.2080b | ppb | 0.3331 | 5.4 | 257.5056 |

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680-89514-a-1-a^10 (Samp) **4/25/2013, 11:46:01 AM** **Rack 4, Tube 46****Weight: 1****Volume: 1****Dilution: 1**

| Label | Replicates Concentration | | |
|------------|--------------------------|-----------|-----------|
| Ag 328.068 | 0.4074 | 0.4035 | 0.7965 |
| Al 308.215 | 439.665 | 427.934 | 411.052 |
| As 188.980 | 1.8945u | 3.2949u | 17.5548 |
| B 249.678 | 6195.11x | 6082.96x | 5879.89x |
| Ba 389.178 | 1.8909 | 2.1596 | 1.0602 |
| Be 313.042 | 0.3194u | 0.3301u | 0.3562u |
| Ca 370.602 | 37.99 | 41.89 | 43.38 |
| Cd 226.502 | -0.0784u | -0.0072u | -0.0763u |
| Co 228.615 | 12.0086u | 13.2600u | 12.8752u |
| Cr 267.716 | 6.8038 | 6.9098 | 6.3960 |
| Cu 324.754 | 19.8612 | 19.3209 | 18.1181 |
| Fe 271.441 | 87.1422 | 77.5124 | 84.4289 |
| K 766.491 | 79.0618 | 75.7126 | 72.8084 |
| Mg 279.078 | 7.0875 | 11.1704 | 4.4024 |
| Mn 257.610 | 1.6518 | 1.6194 | 1.6081 |
| Mo 202.032 | 12790.7x | 12553.8x | 12264.0x |
| Na 330.237 | 223275x | 215745x | 209231x |
| Ni 231.604 | 5.2675 | 6.5731 | 4.6061 |
| Pb 220.353 | -0.2763u | -3.5510u | -1.7654u |
| Sb 206.834 | -61.3616u | -60.6052u | -54.0650u |
| Se 196.026 | -1.2643u | 3.4217 | -8.4127u |
| Sn 189.925 | -0.2361u | 1.2337 | 4.0908 |
| Sr 216.596 | 1.8191u | 3.0894u | 4.0664u |
| Ti 334.941 | 15.0846 | 14.8342 | 14.3307 |
| Tl 190.794 | -13.4112u | -9.0805u | -8.3106u |
| V 292.401 | 9.8076u | 11.5000u | 13.8262u |
| Zn 206.200 | 45.7886 | 45.9603 | 45.6055 |

| Label | Sol'n Conc. | Units | SD | %RSD | Int. (c/s) |
|------------|-------------|-------|---------|-------|------------|
| Ag 328.068 | 0.5358b | ppb | 0.2258 | 42.1 | 5.7900 |
| Al 308.215 | 426.217b | ppb | 14.3837 | 3.4 | 1360.00 |
| As 188.980 | 7.5814b | ppb | 8.6655 | 114.3 | -9.6066 |
| B 249.678 | 6052.65xb | ppb | 159.785 | 2.6 | 65349.3 |
| Ba 389.178 | 1.7036b | ppb | 0.5731 | 33.6 | 49.7826 |
| Be 313.042 | 0.3353b | ppb | 0.0189 | 5.6 | -1424.62 |
| Ca 370.602 | 41.09b | ppb | 2.784 | 6.8 | 90.21 |
| Cd 226.502 | -0.0540b | ppb | 0.0405 | 75.1 | 32.6349 |
| Co 228.615 | 12.7146b | ppb | 0.6410 | 5.0 | -215.409 |
| Cr 267.716 | 6.7032b | ppb | 0.2713 | 4.0 | 159.240 |
| Cu 324.754 | 19.1000b | ppb | 0.8923 | 4.7 | 1361.10 |
| Fe 271.441 | 83.0278b | ppb | 4.9654 | 6.0 | 158.184 |
| K 766.491 | 75.8609b | ppb | 3.1294 | 4.1 | 2255.33 |
| Mg 279.078 | 7.5534b | ppb | 3.4079 | 45.1 | 46.7496 |
| Mn 257.610 | 1.6264b | ppb | 0.0227 | 1.4 | 385.367 |
| Mo 202.032 | 12536.2xb | ppb | 263.815 | 2.1 | 78189.1 |
| Na 330.237 | 216084xb | ppb | 7027.96 | 3.3 | 8527.55 |
| Ni 231.604 | 5.4822b | ppb | 1.0009 | 18.3 | 5.1367 |
| Pb 220.353 | -1.8642b | ppb | 1.6396 | 88.0 | 17.8245 |
| Sb 206.834 | -58.6773b | ppb | 4.0122 | 6.8 | -209.646 |
| Se 196.026 | -2.0851b | ppb | 5.9598 | 285.8 | 8.5033 |
| Sn 189.925 | 1.6961b | ppb | 2.2002 | 129.7 | -6.9914 |
| Sr 216.596 | 2.9916b | ppb | 1.1268 | 37.7 | -315.924 |
| Ti 334.941 | 14.7498b | ppb | 0.3840 | 2.6 | 3171.64 |
| Tl 190.794 | -10.2674b | ppb | 2.7497 | 26.8 | -23.4294 |
| V 292.401 | 11.7113b | ppb | 2.0176 | 17.2 | -1825.78 |
| Zn 206.200 | 45.7848b | ppb | 0.1774 | 0.4 | 45.5109 |

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

CCV (Samp) 4/25/2013, 11:51:40 AM Rack 4, Tube 47

Weight: 1 Volume: 1 Dilution: 1

| Label | Replicates Concentration | | |
|------------|--------------------------|---------|---------|
| Ag 328.068 | 515.463 | 512.605 | 507.787 |
| Al 308.215 | 5063.41 | 5137.81 | 5107.55 |
| As 188.980 | 537.442 | 513.605 | 521.343 |
| B 249.678 | 668.701 | 669.012 | 653.461 |
| Ba 389.178 | 5080.92 | 5107.34 | 5052.36 |
| Be 313.042 | 559.942 | 560.122 | 557.352 |
| Ca 370.602 | 5080 | 5121 | 5076 |
| Cd 226.502 | 542.252 | 545.726 | 540.050 |
| Co 228.615 | 542.873 | 546.400 | 539.088 |
| Cr 267.716 | 5268.33 | 5322.73 | 5286.27 |
| Cu 324.754 | 5399.83 | 5499.55 | 5360.57 |
| Fe 271.441 | 5186.67 | 5228.07 | 5171.81 |
| K 766.491 | 10672.9 | 10753.7 | 10639.3 |
| Mg 279.078 | 5394.67 | 5422.04 | 5357.64 |
| Mn 257.610 | 5426.20 | 5443.67 | 5386.58 |
| Mo 202.032 | 521.550 | 523.248 | 517.950 |
| Na 330.237 | 8158.01 | 7943.53 | 8003.68 |
| Ni 231.604 | 2737.81 | 2760.01 | 2730.00 |
| Pb 220.353 | 511.757 | 515.694 | 512.384 |
| Sb 206.834 | 983.766 | 995.253 | 991.704 |
| Se 196.026 | 5477.02 | 5503.80 | 5454.01 |
| Sn 189.925 | 5157.17 | 5215.64 | 5133.18 |
| Sr 216.596 | 2562.76 | 2582.28 | 2560.47 |
| Ti 334.941 | 506.965 | 511.206 | 506.680 |
| Tl 190.794 | 5155.86 | 5168.31 | 5109.88 |
| V 292.401 | 5148.50 | 5179.77 | 5116.70 |
| Zn 206.200 | 2823.48 | 2812.74 | 2771.85 |

| Label | Sol'n Conc. | Units | SD | %RSD | Int. (c/s) |
|------------|-------------|-------|---------|------|------------|
| Ag 328.068 | 511.952 | ppb | 3.8792 | 0.8 | 33414.6 |
| Al 308.215 | 5102.92 | ppb | 37.4151 | 0.7 | 9844.39 |
| As 188.980 | 524.130 | ppb | 12.1608 | 2.3 | 207.343 |
| B 249.678 | 663.724 | ppb | 8.8899 | 1.3 | 7587.71 |
| Ba 389.178 | 5080.21 | ppb | 27.4964 | 0.5 | 92638.7 |
| Be 313.042 | 559.138 | ppb | 1.5502 | 0.3 | 862546 |
| Ca 370.602 | 5092 | ppb | 25.21 | 0.5 | 11942 |
| Cd 226.502 | 542.676 | ppb | 2.8612 | 0.5 | 16556.1 |
| Co 228.615 | 542.787 | ppb | 3.6570 | 0.7 | 4686.76 |
| Cr 267.716 | 5292.45 | ppb | 27.7188 | 0.5 | 145810 |
| Cu 324.754 | 5419.98 | ppb | 71.6463 | 1.3 | 252699 |
| Fe 271.441 | 5195.52 | ppb | 29.1526 | 0.6 | 7681.27 |
| K 766.491 | 10688.6 | ppb | 58.8367 | 0.6 | 290859 |
| Mg 279.078 | 5391.45 | ppb | 32.3210 | 0.6 | 9729.76 |
| Mn 257.610 | 5418.82 | ppb | 29.2524 | 0.5 | 1119746 |
| Mo 202.032 | 520.916 | ppb | 2.7055 | 0.5 | 3260.27 |
| Na 330.237 | 8035.08 | ppb | 110.632 | 1.4 | 353.342 |
| Ni 231.604 | 2742.61 | ppb | 15.5708 | 0.6 | 6315.03 |
| Pb 220.353 | 513.278 | ppb | 2.1154 | 0.4 | 696.737 |
| Sb 206.834 | 990.241 | ppb | 5.8819 | 0.6 | 940.029 |
| Se 196.026 | 5478.28 | ppb | 24.9201 | 0.5 | 2380.15 |
| Sn 189.925 | 5168.66 | ppb | 42.4114 | 0.8 | 3277.51 |
| Sr 216.596 | 2568.50 | ppb | 11.9856 | 0.5 | 21824.1 |
| Ti 334.941 | 508.284 | ppb | 2.5350 | 0.5 | 110657 |
| Tl 190.794 | 5144.69 | ppb | 30.7768 | 0.6 | 4226.12 |
| V 292.401 | 5148.32 | ppb | 31.5382 | 0.6 | 118290 |
| Zn 206.200 | 2802.69 | ppb | 27.2493 | 1.0 | 2614.24 |

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

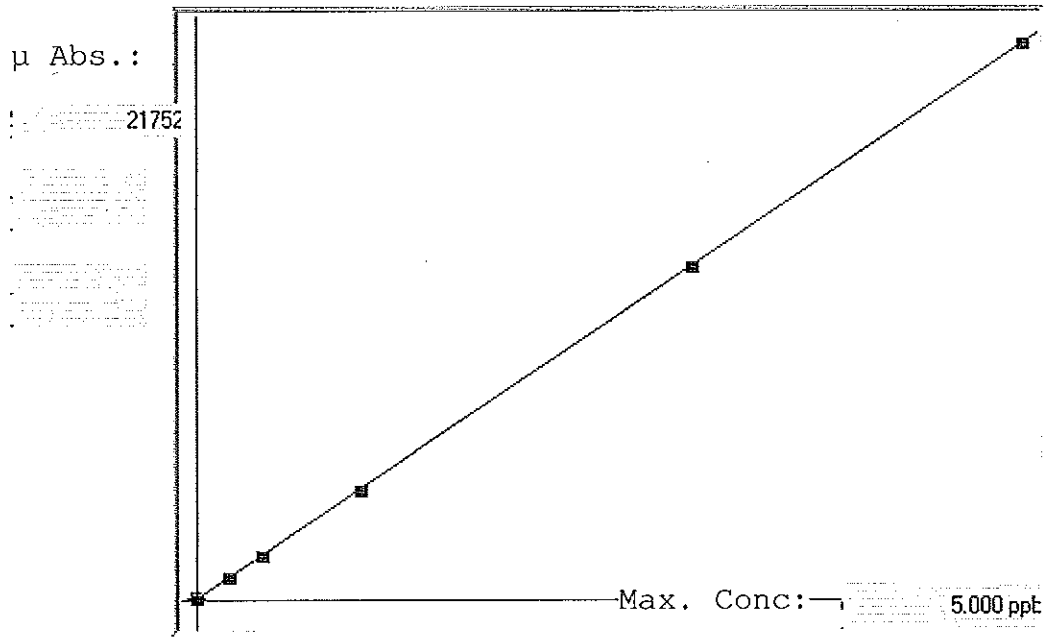
CCB (Samp) 4/25/2013, 11:57:18 AM Rack 4, Tube 48
 Weight: 1 Volume: 1 Dilution: 1

| Label | Replicates Concentration | | |
|------------|--------------------------|----------|-----------|
| Ag 328.068 | -0.1051u | -0.0624u | -0.4841u |
| Al 308.215 | -0.7168u | 0.0493 | 2.2674 |
| As 188.980 | -3.5257u | -5.1064u | 3.0834 |
| B 249.678 | 41.4769 | 38.2257 | 34.4052 |
| Ba 389.178 | 0.0635 | 0.4101 | 0.7786 |
| Be 313.042 | -0.0158u | -0.0240u | -0.0037u |
| Ca 370.602 | 0.3222 | 2.563 | 3.178 |
| Cd 226.502 | 0.1717 | 0.0041 | -0.1233u |
| Co 228.615 | -0.8016u | -0.4128u | -0.9923u |
| Cr 267.716 | -0.1723u | 0.0612 | 0.2926 |
| Cu 324.754 | -0.1098u | 0.4621 | 0.4175 |
| Fe 271.441 | 6.1483 | 0.7065 | 8.5305 |
| K 766.491 | -0.4956u | 0.1234 | -0.5103u |
| Mg 279.078 | 2.4494 | 3.7057 | 4.7784 |
| Mn 257.610 | -0.0747u | 0.0284 | 0.0510 |
| Mo 202.032 | 3.2581 | 2.7036 | 4.0162 |
| Na 330.237 | 25.5749 | 32.8119 | -28.9375u |
| Ni 231.604 | 1.7752 | 1.1413 | 1.0024 |
| Pb 220.353 | -0.0773u | -2.3627u | -6.2873u |
| Sb 206.834 | 0.9481 | 2.9300 | 1.3293 |
| Se 196.026 | 4.0787 | -4.3633u | 5.6251 |
| Sn 189.925 | -1.5961u | 0.7103 | 1.8906 |
| Sr 216.596 | -0.3731u | 0.8387 | -0.4440u |
| Ti 334.941 | -0.0873u | -0.1183u | -0.0917u |
| Tl 190.794 | -0.9668u | -2.4560u | -2.1393u |
| V 292.401 | -0.2499u | -0.0624u | 0.0207u |
| Zn 206.200 | -1.0833u | -1.3015u | -0.8826u |

| Label | Sol'n Conc. | Units | SD | %RSD | Int. (c/s) |
|------------|-------------|-------|---------|--------|------------|
| Ag 328.068 | -0.2172 | ppb | 0.2321 | 106.9 | -43.2325 |
| Al 308.215 | 0.5333 | ppb | 1.5498 | 290.6 | -31.5516 |
| As 188.980 | -1.8496 | ppb | 4.3445 | 234.9 | -11.2577 |
| B 249.678 | 38.0359 | ppb | 3.5397 | 9.3 | 887.487 |
| Ba 389.178 | 0.4174 | ppb | 0.3576 | 85.7 | -24.1336 |
| Be 313.042 | -0.0145 | ppb | 0.0102 | 70.6 | -340.502 |
| Ca 370.602 | 2.021 | ppb | 1.503 | 74.4 | 1.774 |
| Cd 226.502 | 0.0175 | ppb | 0.1480 | 846.7 | 35.3883 |
| Co 228.615 | -0.7355 | ppb | 0.2953 | 40.2 | -13.8337 |
| Cr 267.716 | 0.0605 | ppb | 0.2324 | 384.4 | -26.3293 |
| Cu 324.754 | 0.2566 | ppb | 0.3181 | 124.0 | 156.691 |
| Fe 271.441 | 5.1284 | ppb | 4.0105 | 78.2 | 35.4479 |
| K 766.491 | -0.2942 | ppb | 0.3617 | 123.0 | 184.368 |
| Mg 279.078 | 3.6445 | ppb | 1.1657 | 32.0 | 39.7200 |
| Mn 257.610 | 0.0016 | ppb | 0.0670 | 4321.7 | 50.3576 |
| Mo 202.032 | 3.3260 | ppb | 0.6589 | 19.8 | 41.4443 |
| Na 330.237 | 9.8163 | ppb | 33.7564 | 343.9 | 58.8192 |
| Ni 231.604 | 1.3063 | ppb | 0.4120 | 31.5 | -4.4916 |
| Pb 220.353 | -2.9091 | ppb | 3.1409 | 108.0 | 29.6064 |
| Sb 206.834 | 1.7358 | ppb | 1.0516 | 60.6 | 0.8970 |
| Se 196.026 | 1.7802 | ppb | 5.3763 | 302.0 | 10.1744 |
| Sn 189.925 | 0.3349 | ppb | 1.7734 | 529.5 | -7.9110 |
| Sr 216.596 | 0.0072 | ppb | 0.7210 | 9991.5 | 21.7267 |
| Ti 334.941 | -0.0991 | ppb | 0.0168 | 16.9 | -49.2732 |
| Tl 190.794 | -1.8540 | ppb | 0.7845 | 42.3 | -11.9101 |
| V 292.401 | -0.0972 | ppb | 0.1386 | 142.6 | -9.6375 |
| Zn 206.200 | -1.0891 | ppb | 0.2995 | 274.2 | -17.6820 |

Hg Norm2

Linear



A= 0.0000e+000
 B= 2.3040e-004
 C= -1.0042e-002
 Rho= 0.9999826
 Accept=Accepted

| Std ID | Conc. | Calc. | Dev. | Mean | SD or %RSD | Rep 1 | Rep 2 | Rep 3 | Rep 4 | Rep 5 |
|--------|-------|-------|--------|-------|------------|-------|-------|-------|-------|-------|
| blank | 0.000 | 0.015 | 0.015 | 109 | 4.320 | 115 | 107 | 105 | | |
| 0.2 | 0.200 | 0.200 | 0.000 | 912 | 0.2 % | 913 | 914 | 909 | | |
| 0.4 | 0.400 | 0.400 | 0.000 | 1780 | 0.3 % | 1787 | 1778 | 1777 | | |
| 1.0 | 1.000 | 0.979 | -0.021 | 4292 | 0.4 % | 4286 | 4277 | 4314 | | |
| 3.0 | 3.000 | 3.004 | 0.004 | 13082 | 0.9 % | 12950 | 13072 | 13224 | | |
| 5.0 | 5.000 | 5.002 | 0.002 | 21751 | 0.3 % | 21655 | 21759 | 21841 | | |

C04252013A

Method: Hg Norm2

Operator: Admin

Date of Analysis: 25 Apr 2013 18:43:29

| Sample ID | Extended ID | Mean | RSD | Date |
|----------------------|-------------|--------|--------|----------------------|
| blank | | 109 | 3.9638 | 25 Apr 2013 18:45:34 |
| 0.2 | | 912 | 0.2369 | 25 Apr 2013 18:47:59 |
| 0.4 | | 1781 | 0.2525 | 25 Apr 2013 18:50:28 |
| 1.0 | | 4292 | 0.3671 | 25 Apr 2013 18:52:55 |
| 3.0 | | 13082 | 0.8568 | 25 Apr 2013 18:55:23 |
| 5.0 | | 21752 | 0.3499 | 25 Apr 2013 18:57:50 |
| ICV | | 3.2332 | 0.8888 | 25 Apr 2013 19:00:17 |
| ICB | | 0.0165 | 2.2866 | 25 Apr 2013 19:02:43 |
| CRA | | 0.2000 | 0.2715 | 25 Apr 2013 19:05:09 |
| CCV | | 2.6285 | 0.8091 | 25 Apr 2013 19:07:36 |
| CCB | | 0.0117 | 4.0490 | 25 Apr 2013 19:10:04 |
| mb 680-274321/1-a | (BCB) | 0.0581 | 2.0824 | 25 Apr 2013 19:12:30 |
| lcs 680-274321/2-a | (BCB) | 2.6781 | 0.4859 | 25 Apr 2013 19:14:58 |
| 680-89516-b-2-d | (BCB) | 1.7373 | 0.5380 | 25 Apr 2013 19:17:24 |
| 680-89516-b-2-e ms | (BCB) | 2.5449 | 0.7167 | 25 Apr 2013 19:19:50 |
| 680-89516-b-2-f msd | (BCB) | 2.6536 | 0.9692 | 25 Apr 2013 19:22:16 |
| 680-89516-b-19-b | (BCB) | 2.8811 | 0.5881 | 25 Apr 2013 19:24:43 |
| 680-89516-b-28-b | (BCB) | 1.6189 | 0.2617 | 25 Apr 2013 19:27:10 |
| 680-89516-a-30-b | (BCB) | 1.7057 | 0.8135 | 25 Apr 2013 19:29:38 |
| 680-89516-a-31-b | (BCB) | 2.8880 | 1.0724 | 25 Apr 2013 19:32:06 |
| 680-89516-a-32-b | (BCB) | 1.7267 | 0.7894 | 25 Apr 2013 19:34:33 |
| CCV | | 2.7002 | 1.1218 | 25 Apr 2013 19:37:00 |
| CCB | | 0.0160 | 7.7131 | 25 Apr 2013 19:39:27 |
| 680-89552-a-1-b | (BCB) | 0.2445 | 0.5672 | 25 Apr 2013 19:41:55 |
| 680-89553-b-1-b | (BCB) | 0.0532 | 1.1358 | 25 Apr 2013 19:44:24 |
| lb 680-274160/8-b | (BCB) | 0.0191 | 2.2787 | 25 Apr 2013 19:46:52 |
| 680-89532-c-21-b | (BCB) | 0.0346 | 1.9106 | 25 Apr 2013 19:49:18 |
| 680-89532-c-21-c ms | (BCB) | 0.8781 | 0.1797 | 25 Apr 2013 19:51:46 |
| 680-89532-c-21-d msd | (BCB) | 0.8975 | 0.5557 | 25 Apr 2013 19:54:14 |
| 680-89532-c-22-b | (BCB) | 0.0452 | 0.9616 | 25 Apr 2013 19:56:41 |
| 680-89532-c-23-b | (BCB) | 0.0531 | 0.3544 | 25 Apr 2013 19:59:08 |
| 680-89532-a-24-b | (BCB) | 0.0422 | 2.0599 | 25 Apr 2013 20:01:37 |
| 680-89532-a-25-b | (BCB) | 0.0382 | 3.2800 | 25 Apr 2013 20:04:04 |
| CCV | | 2.6784 | 0.1783 | 25 Apr 2013 20:06:30 |
| CCB | | 0.0152 | 0.7134 | 25 Apr 2013 20:08:57 |
| 680-89532-a-26-b | (BCB) | 0.0285 | 1.9047 | 25 Apr 2013 20:11:23 |
| 680-89532-a-27-b | (BCB) | 0.0405 | 1.4934 | 25 Apr 2013 20:13:51 |
| mb 680-274307/1-a | (BCB) | 0.0288 | 3.0150 | 25 Apr 2013 20:16:19 |
| lcs 680-274307/2-a | (BCB) | 2.5698 | 0.7477 | 25 Apr 2013 20:18:46 |
| lb 680-274301/21-b | (BCB) | 0.0564 | 0.3852 | 25 Apr 2013 20:21:15 |
| 680-89532-a-1-b | (BCB) | 0.0712 | 0.9277 | 25 Apr 2013 20:23:42 |
| 680-89532-a-1-c ms | (BCB) | 0.9328 | 0.3647 | 25 Apr 2013 20:26:09 |
| 680-89532-a-1-d msd | (BCB) | 0.9477 | 0.7053 | 25 Apr 2013 20:28:35 |
| 680-89532-c-2-b | (BCB) | 0.0676 | 1.9479 | 25 Apr 2013 20:31:02 |
| 680-89532-b-3-b | (BCB) | 0.0529 | 0.3559 | 25 Apr 2013 20:33:29 |
| CCV | | 2.6119 | 0.0457 | 25 Apr 2013 20:35:57 |
| CCB | | 0.0120 | 3.2634 | 25 Apr 2013 20:38:24 |
| 680-89532-a-4-b | (BCB) | 0.0562 | 0.7725 | 25 Apr 2013 20:40:52 |
| 680-89532-a-5-b | (BCB) | 0.0572 | 1.0055 | 25 Apr 2013 20:43:20 |
| 680-89532-a-6-b | (BCB) | 0.0714 | 0.3041 | 25 Apr 2013 20:45:47 |
| 680-89532-a-7-b | (BCB) | 0.0678 | 1.9214 | 25 Apr 2013 20:48:14 |
| 680-89532-a-8-b | (BCB) | 0.0622 | 0.3495 | 25 Apr 2013 20:50:41 |
| 680-89532-a-9-b | (BCB) | 0.0616 | 0.5288 | 25 Apr 2013 20:53:08 |
| 680-89532-a-10-b | (BCB) | 0.0646 | 0.5823 | 25 Apr 2013 20:55:36 |
| 680-89532-a-11-b | (BCB) | 0.0589 | 1.1212 | 25 Apr 2013 20:58:05 |
| 680-89532-a-12-b | (BCB) | 0.0648 | 1.3099 | 25 Apr 2013 21:00:32 |

C04252013A

Method: Hg Norm2

Operator: Admin

Date of Analysis: 25 Apr 2013 18:43:29

| Sample ID | Extended ID | Mean | RSD | Date |
|------------------|-------------|--------|--------|----------------------|
| 680-89532-b-13-b | (BCB) | 0.0595 | 1.8538 | 25 Apr 2013 21:02:58 |
| CCV | | 2.6273 | 0.4685 | 25 Apr 2013 21:05:25 |
| CCB | | 0.0175 | 5.4015 | 25 Apr 2013 21:07:52 |
| 680-89532-a-14-b | (BCB) | 0.0611 | 1.2448 | 25 Apr 2013 21:10:18 |
| 680-89532-c-15-b | (BCB) | 0.0586 | 1.6982 | 25 Apr 2013 21:12:45 |
| 680-89532-c-16-b | (BCB) | 0.0674 | 0.5584 | 25 Apr 2013 21:15:11 |
| 680-89532-c-17-b | (BCB) | 0.0609 | 1.2352 | 25 Apr 2013 21:17:37 |
| 680-89532-c-18-b | (BCB) | 0.0597 | 0.4814 | 25 Apr 2013 21:20:04 |
| 680-89532-a-19-b | (BCB) | 0.0598 | 1.7313 | 25 Apr 2013 21:22:32 |
| 680-89532-c-20-b | (BCB) | 0.0563 | 1.1572 | 25 Apr 2013 21:25:00 |
| CCV | | 2.6579 | 0.2126 | 25 Apr 2013 21:27:27 |
| CCB | | 0.0132 | 7.9178 | 25 Apr 2013 21:29:54 |

METALS BATCH WORKSHEET

Lab Name: TestAmerica Savannah Job No.: 680-89516-3

SDG No.: 68089516-3

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

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

| Lab Sample ID | Client Sample ID | Method Chain | Basis | CalcMsg | InitialAmount | FinalAmount | MS Cal Stk 00019 | MS LCS1 WK 00001 | MS LCS2 wk 00144 |
|----------------------|--------------------------|--------------|-------|---------------------|---------------|-------------|---------------------|---------------------|---------------------|
| MB 680-273873/1 | | 3050B, 6010C | | CALC NOT SET TO RUN | 1.00 g | 100 mL | | | |
| LCS 680-273873/3 | | 3050B, 6010C | | CALC NOT SET TO RUN | 1.04 g | 100 mL | 2 mL | | |
| 680-89516-B-2 | CV0117B-CS | 3050B, 6010C | T | CALC NOT SET TO RUN | 1.17 g | 100 mL | | | |
| 680-89516-B-2 MS | CV0117B-CS | 3050B, 6010C | T | CALC NOT SET TO RUN | 1.15 g | 100 mL | | 1 mL | 1 mL |
| 680-89516-B-2 MSD | CV0117B-CS | 3050B, 6010C | T | CALC NOT SET TO RUN | 1.16 g | 100 mL | | 1 mL | 1 mL |
| 680-89516-B-19 | CV1178B-CS | 3050B, 6010C | T | CALC NOT SET TO RUN | 1.17 g | 100 mL | | | |
| 680-89516-B-28 | HP0311A-CS-SP | 3050B, 6010C | T | CALC NOT SET TO RUN | 1.03 g | 100 mL | | | |
| 680-89516-A-30 | CV0117B-CS (sieve) | 3050B, 6010C | T | CALC NOT SET TO RUN | 1.10 g | 100 mL | | | |
| 680-89516-A-31 | CV1178B-CS (sieve) | 3050B, 6010C | T | CALC NOT SET TO RUN | 1.04 g | 100 mL | | | |
| 680-89516-A-32 | HP0311A-CS-SP (sieve) | 3050B, 6010C | T | CALC NOT SET TO RUN | 1.01 g | 100 mL | | | |

| Lab Sample ID | Client Sample ID | Method Chain | Basis | AnalysisComment | | | | | |
|----------------------|--------------------------|--------------|-------|-----------------|--|--|--|--|--|
| MB 680-273873/1 | | 3050B, 6010C | | | | | | | |
| LCS 680-273873/3 | | 3050B, 6010C | | SN LCS | | | | | |
| 680-89516-B-2 | CV0117B-CS | 3050B, 6010C | T | | | | | | |
| 680-89516-B-2 MS | CV0117B-CS | 3050B, 6010C | T | | | | | | |
| 680-89516-B-2 MSD | CV0117B-CS | 3050B, 6010C | T | | | | | | |
| 680-89516-B-19 | CV1178B-CS | 3050B, 6010C | T | | | | | | |
| 680-89516-B-28 | HP0311A-CS-SP | 3050B, 6010C | T | | | | | | |
| 680-89516-A-30 | CV0117B-CS (sieve) | 3050B, 6010C | T | | | | | | |
| 680-89516-A-31 | CV1178B-CS (sieve) | 3050B, 6010C | T | | | | | | |
| 680-89516-A-32 | HP0311A-CS-SP (sieve) | 3050B, 6010C | T | | | | | | |

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

METALS BATCH WORKSHEET

Lab Name: TestAmerica Savannah Job No.: 680-89516-3

SDG No.: 68089516-3

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

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

| Batch Notes | |
|-----------------------------------|-----------------|
| Analyst | JL |
| Balance ID | 25 |
| Blank Soil Lot Number | 2958846 |
| Hydrogen peroxide lot number | 52223236 |
| Lot # of hydrochloric acid | 3053716 |
| Lot # of Nitric Acid | 3053707 |
| Hood ID or number | FH-8 |
| Hot Block ID number | 10 |
| Nominal Amount Used | 1.0 g |
| Pipette ID | ME4 |
| Perform Calculation (0=No, 1=Yes) | 0 |
| Temperature | 96 Degrees C |
| ID number of the thermometer | MEPREP15 |
| Digestion Tube/Cup Lot # | J157274-263-100 |

| Basis | Basis Description |
|-------|-------------------|
| T | Total/NA |

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

METALS BATCH WORKSHEET

Lab Name: TestAmerica Savannah Job No.: 680-89516-3

SDG No.: 68089516-3

Batch Number: 274321 Batch Start Date: 04/24/13 17:14 Batch Analyst: Umbehr, Uli

Batch Method: 7471B Batch End Date: _____

| Lab Sample ID | Client Sample ID | Method Chain | Basis | InitialAmount | FinalAmount | hg_icvint 00085 | Hg_Int_Cal 00091 | AnalysisComment | |
|----------------------|--------------------------|--------------|-------|---------------|-------------|-----------------|---------------------|------------------------|--|
| MB 680-274321/1 | | 7471B, 7471B | | 0.50 g | 50 mL | | | | |
| LCS 680-274321/2 | | 7471B, 7471B | | 0.51 g | 50 mL | | 0.25 mL | | |
| 680-89516-B-2 | CV0117B-CS | 7471B, 7471B | T | 0.58 g | 50 mL | | | | |
| 680-89516-B-2 MS | CV0117B-CS | 7471B, 7471B | T | 0.52 g | 50 mL | | 0.1 mL | | |
| 680-89516-B-2 MSD | CV0117B-CS | 7471B, 7471B | T | 0.58 g | 50 mL | | 0.1 mL | | |
| 680-89516-B-19 | CV1178B-CS | 7471B, 7471B | T | 0.56 g | 50 mL | | | | |
| 680-89516-B-28 | HP0311A-CS-SP | 7471B, 7471B | T | 0.59 g | 50 mL | | | | |
| 680-89516-A-30 | CV0117B-CS (sieve) | 7471B, 7471B | T | 0.56 g | 50 mL | | | | |
| 680-89516-A-31 | CV1178B-CS (sieve) | 7471B, 7471B | T | 0.55 g | 50 mL | | | | |
| 680-89516-A-32 | HP0311A-CS-SP (sieve) | 7471B, 7471B | T | 0.52 g | 50 mL | | | | |
| CCV 680-274321/30 | | 7471B, 7471B | | 50 mL | 50 mL | | 0.25 mL | | |
| CCB 680-274321/31 | | 7471B, 7471B | | 50 mL | 50 mL | | | | |
| ICV 680-274321/33 | | 7471B, 7471B | | 50 mL | 50 mL | 0.15 mL | | | |
| ICB 680-274321/34 | | 7471B, 7471B | | 50 mL | 50 mL | | | | |
| CRA 680-274321/35 | | 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.: 680-89516-3

SDG No.: 68089516-3

Batch Number: 274321 Batch Start Date: 04/24/13 17:14 Batch Analyst: Umbehr, Uli

Batch Method: 7471B Batch End Date: _____

| Batch Notes | |
|-----------------------------------|-----------------|
| Hydroxylamine Sulfate Lot Number | 3046699 |
| Hydroxylamine Hydrochloride Lot | 3046705 |
| Aqua Regia Lot Number | 3065406 |
| Balance ID | 27 |
| Blank Soil Lot Number | 2021822 |
| Sulfuric Acid Lot Number | 3056255 |
| Lot # of hydrochloric acid | 3053715 |
| Lot # of Nitric Acid | 3053246 |
| Hood ID or number | WB2 |
| Hot Block ID number | 11, 12 |
| Potassium Persulfate Lot Number | 3001730 |
| Potassium Permanganate Lot Number | 2384878 |
| NaCL Lot # | 2891381 |
| Nominal Amount Used | 0.5 - 0.6 g g |
| Oven, Bath or Block Temperature 1 | 95 Degrees C |
| Oven, Bath or Block Temperature 2 | 95 Degrees C |
| Pipette ID | ME1, ME7, ME10 |
| Repittetor Volume Check | 04/05/13 |
| Stannous Chloride Lot Number | 3038842 |
| SOP Number | ME028 |
| ID number of the thermometer | ME9, ME10 |
| Digestion Tube/Cup Lot # | J157274-263-100 |
| Uncorrected Temperature | 95 Celsius |
| Uncorrected Temperature 2 | 95 Celsius |

| Basis | Basis Description |
|-------|-------------------|
| T | Total/NA |

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

ANALYSIS REQUEST AND CHAIN OF CUSTODY RECORD

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

TestAmerica Savannah
5102 LaRoche Avenue
Savannah, GA 31404

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

Alternate Laboratory Name/Location

Phone:
Fax:

680-89516

| | | | | | |
|---------------------------------------|-----------------------------|--------------------------------|-------------|-------------------|-------------|
| PROJECT REFERENCE 35th Ave Removal | PROJECT NO. 2005148-1356 | PROJECT LOCATION (STATE) AL | MATRIX TYPE | REQUIRED ANALYSIS | PAGE 1 OF 3 |
|---------------------------------------|-----------------------------|--------------------------------|-------------|-------------------|-------------|

| | | | | | | |
|---------|--|--|--|------------------------------------|---------------------------------------|---|
| (b) (6) | | | | COMPOSITE (C) OR GRAB (G) INDICATE | NONAQUEOUS LIQUID (OIL, SOLVENT, ...) | STANDARD REPORT DELIVERY DATE DUE _____ EXPEDITED REPORT DELIVERY (SURCHARGE) DATE DUE _____ |
| | | | | AQUEOUS (WATER) | SOLID OR SEMISOLID | |


COMPANY CONTRACTING THIS WORK (if applicable)

PRESERVATIVE

NUMBER OF COOLERS SUBMITTED PER SHIPMENT:

| SAMPLE | | SAMPLE IDENTIFICATION | COMPOSITE (C) OR GRAB (G) INDICATE | AQUEOUS (WATER) | SOLID OR SEMISOLID | AIR | NONAQUEOUS LIQUID (OIL, SOLVENT, ...) | NUMBER OF CONTAINER | | | | REMARKS |
|---------|------|-----------------------|------------------------------------|-----------------|--------------------|-----|---------------------------------------|---------------------|---|---|---|---------|
| DATE | TIME | | | | | | | 1 | 2 | 3 | 4 | |
| 4-17-13 | 1020 | CV0117A-CS | C | X | | | X | | | | | |
| | 1030 | CV0117B-CS | C | X | | | X | X | | | | |
| | 0830 | CV0689A-CS | C | X | | | X | | | | | |
| | 0840 | CV0689B-CS | C | X | | | X | | | | | |
| | 0840 | CV0689B-CSD | C | X | | | X | | | | | |
| | 0910 | CV1102A-CS | C | X | | | X | | | | | |
| | 0920 | CV1102B-CS | C | X | | | X | | | | | |
| | 1120 | HP0234A-CS-SP | C | X | | | X | | | | | |
| | 1130 | HP0234B-CS-SP | C | X | | | X | | | | | |
| | 0925 | FM0296A-CS-SP | C | X | | | X | | | | | |
| | 0940 | FM0296B-CS-SP | C | X | | | X | | | | | |
| | 0955 | FM0296C-CS-SP | C | X | | | X | | | | | |

680-89516 Login
 PM: Harvey, Lisa
 Company: Oneida Total Integrated Enterprise



Loc: 680
89516

| | | | | | | | | |
|--|-----------------|--------------|--|-----------------|--------------|------------------------------|------|------|
| RELINQUISHED BY: (SIGNATURE) <i>[Signature]</i> | DATE 4-18-13 | TIME 1130 | RELINQUISHED BY: (SIGNATURE) <i>[Signature]</i> | DATE 4/19/13 | TIME 1730 | RELINQUISHED BY: (SIGNATURE) | DATE | TIME |
| RECEIVED BY: (SIGNATURE) <i>[Signature]</i> | DATE 4/19/13 | TIME 0850 | RECEIVED BY: (SIGNATURE) | DATE | TIME | RECEIVED BY: (SIGNATURE) | DATE | TIME |

LABORATORY USE ONLY

| | | | | | | |
|---|------|------|---|------------------|------------------|-----------------------------------|
| RECEIVED FOR LABORATORY BY: (SIGNATURE) | DATE | TIME | CUSTODY INTACT YES <input type="radio"/> NO <input type="radio"/> | CUSTODY SEAL NO. | SAVANNAH LOG NO. | LABORATORY REMARKS D.60 (U-07) |
|---|------|------|---|------------------|------------------|-----------------------------------|

ANALYSIS REQUEST AND CHAIN OF CUSTODY RECORD

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

TestAmerica Savannah
5102 LaRoche Avenue
Savannah, GA 31404

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

Alternate Laboratory Name/Location
Test Am Tampa

Phone: *680-89516*
Fax:

| | | | | | |
|--|------------------------------------|---------------------------------------|-------------|-------------------|---------------------------|
| PROJECT REFERENCE <i>35th Ave Removal</i> | PROJECT NO. <i>2005148-1356</i> | PROJECT LOCATION (STATE) <i>AL</i> | MATRIX TYPE | REQUIRED ANALYSIS | PAGE <i>2</i> OF <i>3</i> |
|--|------------------------------------|---------------------------------------|-------------|-------------------|---------------------------|

| | | | | | | | | | | | |
|---|--|---------------------------------------|---------------------------------------|---|-----------------|---------------------------------------|---------------------------------------|---------------------------------------|-----|---------------------------------------|---------------------------------------|
| (b) (6) | COMPOSITE (C) OR GRAB (G) INDICATE | NONAQUEOUS LIQUID (OIL, SOLVENT, ...) | STANDARD REPORT DELIVERY | | | | | | | | |
| | <table border="1"> <tr> <td>COMPOSITE (C) OR GRAB (G) INDICATE</td> <td>NONAQUEOUS LIQUID (OIL, SOLVENT, ...)</td> </tr> <tr> <td> <table border="1"> <tr> <td>AQUEOUS (WATER)</td> <td>NONAQUEOUS LIQUID (OIL, SOLVENT, ...)</td> </tr> <tr> <td>SOLID OR SEMISOLID</td> <td>NONAQUEOUS LIQUID (OIL, SOLVENT, ...)</td> </tr> <tr> <td>AIR</td> <td>NONAQUEOUS LIQUID (OIL, SOLVENT, ...)</td> </tr> </table> </td> <td>NONAQUEOUS LIQUID (OIL, SOLVENT, ...)</td> </tr> </table> | COMPOSITE (C) OR GRAB (G) INDICATE | NONAQUEOUS LIQUID (OIL, SOLVENT, ...) | <table border="1"> <tr> <td>AQUEOUS (WATER)</td> <td>NONAQUEOUS LIQUID (OIL, SOLVENT, ...)</td> </tr> <tr> <td>SOLID OR SEMISOLID</td> <td>NONAQUEOUS LIQUID (OIL, SOLVENT, ...)</td> </tr> <tr> <td>AIR</td> <td>NONAQUEOUS LIQUID (OIL, SOLVENT, ...)</td> </tr> </table> | AQUEOUS (WATER) | NONAQUEOUS LIQUID (OIL, SOLVENT, ...) | SOLID OR SEMISOLID | NONAQUEOUS LIQUID (OIL, SOLVENT, ...) | AIR | NONAQUEOUS LIQUID (OIL, SOLVENT, ...) | NONAQUEOUS LIQUID (OIL, SOLVENT, ...) |
| COMPOSITE (C) OR GRAB (G) INDICATE | NONAQUEOUS LIQUID (OIL, SOLVENT, ...) | | | | | | | | | | |
| <table border="1"> <tr> <td>AQUEOUS (WATER)</td> <td>NONAQUEOUS LIQUID (OIL, SOLVENT, ...)</td> </tr> <tr> <td>SOLID OR SEMISOLID</td> <td>NONAQUEOUS LIQUID (OIL, SOLVENT, ...)</td> </tr> <tr> <td>AIR</td> <td>NONAQUEOUS LIQUID (OIL, SOLVENT, ...)</td> </tr> </table> | AQUEOUS (WATER) | NONAQUEOUS LIQUID (OIL, SOLVENT, ...) | SOLID OR SEMISOLID | NONAQUEOUS LIQUID (OIL, SOLVENT, ...) | AIR | NONAQUEOUS LIQUID (OIL, SOLVENT, ...) | NONAQUEOUS LIQUID (OIL, SOLVENT, ...) | | | | |
| AQUEOUS (WATER) | NONAQUEOUS LIQUID (OIL, SOLVENT, ...) | | | | | | | | | | |
| SOLID OR SEMISOLID | NONAQUEOUS LIQUID (OIL, SOLVENT, ...) | | | | | | | | | | |
| AIR | NONAQUEOUS LIQUID (OIL, SOLVENT, ...) | | | | | | | | | | |

COMPANY CONTRACTING THIS WORK (if applicable)

PRESERVATIVE

NUMBER OF COOLERS SUBMITTED PER SHIPMENT:

| SAMPLE | | SAMPLE IDENTIFICATION | COMPOSITE (C) OR GRAB (G) INDICATE | AQUEOUS (WATER) | SOLID OR SEMISOLID | AIR | NONAQUEOUS LIQUID (OIL, SOLVENT, ...) | NUMBER OF CONTAINERS SUBMITTED | | | | | | | | | | REMARKS | | |
|---------------|-------------|-----------------------|-------------------------------------|-------------------------------------|--------------------|-----|---------------------------------------|-------------------------------------|---|---|---|---|---|---|---|---|----|---------|----|----|
| DATE | TIME | | | | | | | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | | 11 | 12 |
| <i>4-17-B</i> | <i>1010</i> | <i>FM0296D-CS-SP</i> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | | | <input checked="" type="checkbox"/> | | | | | | | | | | | | | |
| | <i>1035</i> | <i>FM0296E-CS-SP</i> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | | | <input checked="" type="checkbox"/> | | | | | | | | | | | | | |
| | <i>1245</i> | <i>CV1115A-CS</i> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | | | <input checked="" type="checkbox"/> | | | | | | | | | | | | | |
| | <i>1245</i> | <i>CV1115A-CSD</i> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | | | <input checked="" type="checkbox"/> | | | | | | | | | | | | | |
| | <i>1255</i> | <i>CV1115B-CS</i> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | | | <input checked="" type="checkbox"/> | | | | | | | | | | | | | |
| | <i>1330</i> | <i>CV1178A-CS</i> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | | | <input checked="" type="checkbox"/> | | | | | | | | | | | | | |
| | <i>1340</i> | <i>CV1178B-CS</i> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | | | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | | | | | | | | | | | | |
| | <i>1450</i> | <i>CV1264A-CS</i> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | | | <input checked="" type="checkbox"/> | | | | | | | | | | | | | |
| | <i>1500</i> | <i>CV1264B-CS</i> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | | | <input checked="" type="checkbox"/> | | | | | | | | | | | | | |
| | <i>1510</i> | <i>CV1264C-GS</i> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | | | <input checked="" type="checkbox"/> | | | | | | | | | | | | | |
| | <i>1420</i> | <i>CV1371A-CS</i> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | | | <input checked="" type="checkbox"/> | | | | | | | | | | | | | |
| | <i>1430</i> | <i>CV1371B-CS</i> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | | | <input checked="" type="checkbox"/> | | | | | | | | | | | | | |

| | | | | | | | | |
|--|------------------------|---------------------|--|------------------------|---------------------|------------------------------|------|------|
| RELINQUISHED BY: (SIGNATURE) <i>[Signature]</i> | DATE <i>4-18-13</i> | TIME <i>1130</i> | RELINQUISHED BY: (SIGNATURE) <i>[Signature]</i> | DATE <i>4/19/13</i> | TIME <i>1230</i> | RELINQUISHED BY: (SIGNATURE) | DATE | TIME |
| RECEIVED BY: (SIGNATURE) <i>[Signature]</i> | DATE <i>4/19/13</i> | TIME <i>0850</i> | RECEIVED BY: (SIGNATURE) | DATE | TIME | RECEIVED BY: (SIGNATURE) | DATE | TIME |

LABORATORY USE ONLY

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

ANALYSIS REQUEST AND CHAIN OF CUSTODY RECORD

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

TestAmerica Savannah
5102 LaRoche Avenue
Savannah, GA 31404

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

Alternate Laboratory Name/Location

Phone:
Fax:

680-89516

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

MATRIX TYPE

REQUIRED ANALYSIS

PAGE 3 OF 3

(b) (6)

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

| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|--------------|--------------|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|
| LLPAH | RECA8 Metals | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| PRESERVATIVE | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

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

COMPANY CONTRACTING THIS WORK (if applicable)

| SAMPLE | | SAMPLE IDENTIFICATION | COMPOSITE (C) OR GRAB (G) | AQUEOUS (WATER) | SOLID OR SEMISOLID | AIR | NONAQUEOUS LIQUID (OIL, SOLVENT, ...) | NUMBER OF CONTAINERS SUBMITTED | | | | | | | | | | REMARKS | | | | | | | | |
|--------|------|------------------------|---------------------------|-----------------|--------------------|-----|---------------------------------------|--------------------------------|---|---|---|---|---|---|---|---|----|---------|----|----|--|--|--|--|--|--|
| DATE | TIME | | | | | | | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | | 11 | 12 | | | | | | |
| 4-17-B | 1340 | CV0516 A-CS-SP | C | X | | | X | | | | | | | | | | | | | | | | | | | |
| | 1350 | CV0516 B-CS-SP | C | X | | | X | | | | | | | | | | | | | | | | | | | |
| | 1400 | CV0516 C-CS-SP | C | X | | | X | | | | | | | | | | | | | | | | | | | |
| | 1500 | HP 0311 A-CS-SP | C | X | | | X | X | | | | | | | | | | | | | | | | | | |
| | 1510 | HP 0311 B-CS-SP | C | X | | | X | | | | | | | | | | | | | | | | | | | |
| | 1030 | CV0117B-CS(sieve) | C | X | | | | X | | | | | | | | | | | | | | | | | | |
| | 1340 | CV1178B-CS(sieve) | C | X | | | | X | | | | | | | | | | | | | | | | | | |
| | 1500 | HP0311 A-CS-SP (sieve) | C | X | | | | X | | | | | | | | | | | | | | | | | | |

| | | | | | | | | |
|--|-----------------|--------------|--|-----------------|--------------|------------------------------|------|------|
| RELINQUISHED BY: (SIGNATURE) <i>[Signature]</i> | DATE 4-18-13 | TIME 1130 | RELINQUISHED BY: (SIGNATURE) <i>[Signature]</i> | DATE 4/19/13 | TIME 1730 | RELINQUISHED BY: (SIGNATURE) | DATE | TIME |
| RECEIVED BY: (SIGNATURE) <i>[Signature]</i> | DATE 4/19/13 | TIME 0850 | RECEIVED BY: (SIGNATURE) | DATE | TIME | RECEIVED BY: (SIGNATURE) | DATE | TIME |

LABORATORY USE ONLY

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

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: 680-89516-3

TestAmerica Sample Delivery Group: 68089516-3

Client Project/Site: 35th Avenue Superfund Site

For:

Oneida Total Integrated Enterprises LLC

1220 Kennestone Circle

Suite 106

Marietta, Georgia 30060

Attn: Ms. Limari F Krebs



Authorized for release by:

4/30/2013 1:43:35 PM

Bernard Kirkland

Project Manager I

bernard.kirkland@testamericainc.com

Designee for

Lisa Harvey

Project Manager II

lisa.harvey@testamericainc.com

The test results in this report meet all 2003 NELAC and 2009 TNI requirements for accredited parameters, exceptions are noted in this report. This report may not be reproduced except in full, and with written approval from the laboratory. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.

Results relate only to the items tested and the sample(s) as received by the laboratory.



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Case Narrative

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

TestAmerica Job ID: 680-89516-3
SDG: 68089516-3

Job ID: 680-89516-3

Laboratory: TestAmerica Savannah

Narrative

CASE NARRATIVE

Client: Oneida Total Integrated Enterprises LLC

Project: 35th Avenue Superfund Site

Report Number: 680-89516-3

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

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

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

RECEIPT

The samples were received on 04/19/2013; the samples arrived in good condition, properly preserved and on ice. The temperature of the coolers at receipt was 0.6 C.

METALS (ICP)

Samples CV0117B-CS (680-89516-2), CV1178B-CS (680-89516-19), HP0311A-CS-SP (680-89516-28), CV0117B-CS (sieve) (680-89516-30), CV1178B-CS (sieve) (680-89516-31) and HP0311A-CS-SP (sieve) (680-89516-32) were analyzed for Metals (ICP) in accordance with EPA SW-846 Method 6010C. The samples were prepared on 04/22/2013 and analyzed on 04/25/2013.

Several analytes recovered outside the recovery criteria for the MS/MSD of sample CV0117B-CS (680-89516-2) in batch 680-274404. Also, Arsenic, Barium, Lead and Silver exceeded the rpd limit.

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

No other difficulties were encountered during the metals analyses.

All other quality control parameters were within the acceptance limits.

TOTAL MERCURY

Samples CV0117B-CS (680-89516-2), CV1178B-CS (680-89516-19), HP0311A-CS-SP (680-89516-28), CV0117B-CS (sieve) (680-89516-30), CV1178B-CS (sieve) (680-89516-31) and HP0311A-CS-SP (sieve) (680-89516-32) were analyzed for total mercury in accordance with EPA SW-846 Method 7471B. The samples were prepared on 04/24/2013 and analyzed on 04/25/2013.

No difficulties were encountered during the mercury analyses.

All quality control parameters were within the acceptance limits.

Sample Summary

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

TestAmerica Job ID: 680-89516-3
SDG: 68089516-3

| Lab Sample ID | Client Sample ID | Matrix | Collected | Received |
|---------------|-----------------------|--------|----------------|----------------|
| 680-89516-2 | CV0117B-CS | Solid | 04/17/13 10:30 | 04/19/13 08:50 |
| 680-89516-19 | CV1178B-CS | Solid | 04/17/13 13:40 | 04/19/13 08:50 |
| 680-89516-28 | HP0311A-CS-SP | Solid | 04/17/13 15:00 | 04/19/13 08:50 |
| 680-89516-30 | CV0117B-CS (sieve) | Solid | 04/17/13 10:30 | 04/19/13 08:50 |
| 680-89516-31 | CV1178B-CS (sieve) | Solid | 04/17/13 13:40 | 04/19/13 08:50 |
| 680-89516-32 | HP0311A-CS-SP (sieve) | Solid | 04/17/13 15:00 | 04/19/13 08:50 |

Method Summary

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

TestAmerica Job ID: 680-89516-3
SDG: 68089516-3

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

Protocol References:

EPA = US Environmental Protection Agency

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

Laboratory References:

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

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

Definitions/Glossary

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

TestAmerica Job ID: 680-89516-3
SDG: 68089516-3

Qualifiers

Metals

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

Glossary

| Abbreviation | These commonly used abbreviations may or may not be present in this report. |
|----------------|---|
| α | Listed under the "D" column to designate that the result is reported on a dry weight basis |
| %R | Percent Recovery |
| CNF | Contains no Free Liquid |
| DER | Duplicate error ratio (normalized absolute difference) |
| DL, RA, RE, IN | Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample |
| DLC | Decision level concentration |
| MDA | Minimum detectable activity |
| EDL | Estimated Detection Limit |
| MDC | Minimum detectable concentration |
| MDL | Method Detection Limit |
| ML | Minimum Level (Dioxin) |
| ND | Not detected at the reporting limit (or MDL or EDL if shown) |
| PQL | Practical Quantitation Limit |
| QC | Quality Control |
| RER | Relative error ratio |
| RL | Reporting Limit or Requested Limit (Radiochemistry) |
| RPD | Relative Percent Difference, a measure of the relative difference between two points |
| TEF | Toxicity Equivalent Factor (Dioxin) |
| TEQ | Toxicity Equivalent Quotient (Dioxin) |

Client Sample Results

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

TestAmerica Job ID: 680-89516-3
 SDG: 68089516-3

Client Sample ID: CV0117B-CS

Lab Sample ID: 680-89516-2

Date Collected: 04/17/13 10:30

Matrix: Solid

Date Received: 04/19/13 08:50

Percent Solids: 72.0

Method: 6010C - Metals (ICP)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|----------|--------|-----------|------|------|-------|---|----------------|----------------|---------|
| Arsenic | 29 | | 2.4 | 0.70 | mg/Kg | ☼ | 04/22/13 09:31 | 04/25/13 10:04 | 1 |
| Barium | 520 | | 1.2 | 0.36 | mg/Kg | ☼ | 04/22/13 09:31 | 04/25/13 10:04 | 1 |
| Cadmium | 1.8 | | 0.59 | 0.12 | mg/Kg | ☼ | 04/22/13 09:31 | 04/25/13 10:04 | 1 |
| Chromium | 51 | | 1.2 | 0.59 | mg/Kg | ☼ | 04/22/13 09:31 | 04/25/13 10:04 | 1 |
| Lead | 490 | | 1.2 | 0.63 | mg/Kg | ☼ | 04/22/13 09:31 | 04/25/13 10:04 | 1 |
| Selenium | 3.0 | U | 3.0 | 1.2 | mg/Kg | ☼ | 04/22/13 09:31 | 04/25/13 10:04 | 1 |
| Silver | 0.13 | J | 1.2 | 0.11 | mg/Kg | ☼ | 04/22/13 09:31 | 04/25/13 10:04 | 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 | | 0.024 | 0.0098 | mg/Kg | ☼ | 04/24/13 17:14 | 04/25/13 19:17 | 1 |

Client Sample ID: CV1178B-CS

Lab Sample ID: 680-89516-19

Date Collected: 04/17/13 13:40

Matrix: Solid

Date Received: 04/19/13 08:50

Percent Solids: 74.7

Method: 6010C - Metals (ICP)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|----------|--------|-----------|------|------|-------|---|----------------|----------------|---------|
| Arsenic | 23 | | 2.3 | 0.67 | mg/Kg | ☼ | 04/22/13 09:31 | 04/25/13 10:22 | 1 |
| Barium | 240 | | 1.1 | 0.34 | mg/Kg | ☼ | 04/22/13 09:31 | 04/25/13 10:22 | 1 |
| Cadmium | 2.3 | | 0.57 | 0.11 | mg/Kg | ☼ | 04/22/13 09:31 | 04/25/13 10:22 | 1 |
| Chromium | 50 | | 1.1 | 0.57 | mg/Kg | ☼ | 04/22/13 09:31 | 04/25/13 10:22 | 1 |
| Lead | 300 | | 1.1 | 0.61 | mg/Kg | ☼ | 04/22/13 09:31 | 04/25/13 10:22 | 1 |
| Selenium | 2.9 | U | 2.9 | 1.1 | mg/Kg | ☼ | 04/22/13 09:31 | 04/25/13 10:22 | 1 |
| Silver | 1.1 | U | 1.1 | 0.11 | mg/Kg | ☼ | 04/22/13 09:31 | 04/25/13 10:22 | 1 |

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

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---------|--------|-----------|-------|--------|-------|---|----------------|----------------|---------|
| Mercury | 0.34 | | 0.024 | 0.0098 | mg/Kg | ☼ | 04/24/13 17:14 | 04/25/13 19:24 | 1 |

Client Sample ID: HP0311A-CS-SP

Lab Sample ID: 680-89516-28

Date Collected: 04/17/13 15:00

Matrix: Solid

Date Received: 04/19/13 08:50

Percent Solids: 64.8

Method: 6010C - Metals (ICP)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|----------|--------|-----------|------|------|-------|---|----------------|----------------|---------|
| Arsenic | 43 | | 3.0 | 0.88 | mg/Kg | ☼ | 04/22/13 09:31 | 04/25/13 10:27 | 1 |
| Barium | 360 | | 1.5 | 0.45 | mg/Kg | ☼ | 04/22/13 09:31 | 04/25/13 10:27 | 1 |
| Cadmium | 1.6 | | 0.75 | 0.15 | mg/Kg | ☼ | 04/22/13 09:31 | 04/25/13 10:27 | 1 |
| Chromium | 69 | | 1.5 | 0.75 | mg/Kg | ☼ | 04/22/13 09:31 | 04/25/13 10:27 | 1 |
| Lead | 430 | | 1.5 | 0.79 | mg/Kg | ☼ | 04/22/13 09:31 | 04/25/13 10:27 | 1 |
| Selenium | 3.7 | U | 3.7 | 1.5 | mg/Kg | ☼ | 04/22/13 09:31 | 04/25/13 10:27 | 1 |
| Silver | 0.30 | J | 1.5 | 0.14 | mg/Kg | ☼ | 04/22/13 09:31 | 04/25/13 10:27 | 1 |

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

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---------|--------|-----------|-------|-------|-------|---|----------------|----------------|---------|
| Mercury | 0.21 | | 0.026 | 0.011 | mg/Kg | ☼ | 04/24/13 17:14 | 04/25/13 19:27 | 1 |

TestAmerica Savannah

Client Sample Results

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

TestAmerica Job ID: 680-89516-3
 SDG: 68089516-3

Client Sample ID: CV0117B-CS (sieve)

Lab Sample ID: 680-89516-30

Date Collected: 04/17/13 10:30

Matrix: Solid

Date Received: 04/19/13 08:50

Percent Solids: 71.7

Method: 6010C - Metals (ICP)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|----------|--------|-----------|------|------|-------|---|----------------|----------------|---------|
| Arsenic | 32 | | 2.5 | 0.75 | mg/Kg | ☼ | 04/22/13 09:31 | 04/25/13 10:33 | 1 |
| Barium | 780 | | 1.3 | 0.38 | mg/Kg | ☼ | 04/22/13 09:31 | 04/25/13 10:33 | 1 |
| Cadmium | 1.9 | | 0.63 | 0.13 | mg/Kg | ☼ | 04/22/13 09:31 | 04/25/13 10:33 | 1 |
| Chromium | 47 | | 1.3 | 0.63 | mg/Kg | ☼ | 04/22/13 09:31 | 04/25/13 10:33 | 1 |
| Lead | 660 | | 1.3 | 0.67 | mg/Kg | ☼ | 04/22/13 09:31 | 04/25/13 10:33 | 1 |
| Selenium | 3.2 | U | 3.2 | 1.3 | mg/Kg | ☼ | 04/22/13 09:31 | 04/25/13 10:33 | 1 |
| Silver | 0.28 | J | 1.3 | 0.12 | mg/Kg | ☼ | 04/22/13 09:31 | 04/25/13 10:33 | 1 |

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

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---------|--------|-----------|-------|-------|-------|---|----------------|----------------|---------|
| Mercury | 0.21 | | 0.025 | 0.010 | mg/Kg | ☼ | 04/24/13 17:14 | 04/25/13 19:29 | 1 |

Client Sample ID: CV1178B-CS (sieve)

Lab Sample ID: 680-89516-31

Date Collected: 04/17/13 13:40

Matrix: Solid

Date Received: 04/19/13 08:50

Percent Solids: 78.1

Method: 6010C - Metals (ICP)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|----------|--------|-----------|------|------|-------|---|----------------|----------------|---------|
| Arsenic | 37 | | 2.5 | 0.73 | mg/Kg | ☼ | 04/22/13 09:31 | 04/25/13 10:38 | 1 |
| Barium | 270 | | 1.2 | 0.37 | mg/Kg | ☼ | 04/22/13 09:31 | 04/25/13 10:38 | 1 |
| Cadmium | 3.7 | | 0.62 | 0.12 | mg/Kg | ☼ | 04/22/13 09:31 | 04/25/13 10:38 | 1 |
| Chromium | 55 | | 1.2 | 0.62 | mg/Kg | ☼ | 04/22/13 09:31 | 04/25/13 10:38 | 1 |
| Lead | 420 | | 1.2 | 0.65 | mg/Kg | ☼ | 04/22/13 09:31 | 04/25/13 10:38 | 1 |
| Selenium | 3.1 | U | 3.1 | 1.2 | mg/Kg | ☼ | 04/22/13 09:31 | 04/25/13 10:38 | 1 |
| Silver | 1.2 | U | 1.2 | 0.12 | mg/Kg | ☼ | 04/22/13 09:31 | 04/25/13 10:38 | 1 |

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

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---------|--------|-----------|-------|--------|-------|---|----------------|----------------|---------|
| Mercury | 0.34 | | 0.023 | 0.0095 | mg/Kg | ☼ | 04/24/13 17:14 | 04/25/13 19:32 | 1 |

Client Sample ID: HP0311A-CS-SP (sieve)

Lab Sample ID: 680-89516-32

Date Collected: 04/17/13 15:00

Matrix: Solid

Date Received: 04/19/13 08:50

Percent Solids: 79.3

Method: 6010C - Metals (ICP)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|----------|--------|-----------|------|------|-------|---|----------------|----------------|---------|
| Arsenic | 44 | | 2.5 | 0.74 | mg/Kg | ☼ | 04/22/13 09:31 | 04/25/13 10:44 | 1 |
| Barium | 350 | | 1.2 | 0.37 | mg/Kg | ☼ | 04/22/13 09:31 | 04/25/13 10:44 | 1 |
| Cadmium | 1.8 | | 0.62 | 0.12 | mg/Kg | ☼ | 04/22/13 09:31 | 04/25/13 10:44 | 1 |
| Chromium | 75 | | 1.2 | 0.62 | mg/Kg | ☼ | 04/22/13 09:31 | 04/25/13 10:44 | 1 |
| Lead | 520 | | 1.2 | 0.66 | mg/Kg | ☼ | 04/22/13 09:31 | 04/25/13 10:44 | 1 |
| Selenium | 1.3 | J | 3.1 | 1.2 | mg/Kg | ☼ | 04/22/13 09:31 | 04/25/13 10:44 | 1 |
| Silver | 0.53 | J | 1.2 | 0.12 | mg/Kg | ☼ | 04/22/13 09:31 | 04/25/13 10:44 | 1 |

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

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---------|--------|-----------|-------|--------|-------|---|----------------|----------------|---------|
| Mercury | 0.21 | | 0.024 | 0.0099 | mg/Kg | ☼ | 04/24/13 17:14 | 04/25/13 19:34 | 1 |

TestAmerica Savannah

QC Sample Results

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

TestAmerica Job ID: 680-89516-3
 SDG: 68089516-3

Method: 6010C - Metals (ICP)

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

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

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

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

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

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

Lab Sample ID: 680-89516-2 MS
Matrix: Solid
Analysis Batch: 274404

Client Sample ID: CV0117B-CS
Prep Type: Total/NA
Prep Batch: 273873

| Analyte | Sample Result | Sample Qualifier | Spike Added | MS Result | MS Qualifier | Unit | D | %Rec | %Rec. Limits |
|----------|---------------|------------------|-------------|-----------|--------------|-------|---|-------|--------------|
| Arsenic | 29 | | 12.1 | 81.3 | F | mg/Kg | ☼ | 434 | 75 - 125 |
| Barium | 520 | | 12.1 | 499 | 4 | mg/Kg | ☼ | -135 | 75 - 125 |
| Cadmium | 1.8 | | 6.04 | 7.48 | | mg/Kg | ☼ | 95 | 75 - 125 |
| Chromium | 51 | | 12.1 | 48.7 | 4 | mg/Kg | ☼ | -19 | 75 - 125 |
| Lead | 490 | | 6.04 | 367 | 4 | mg/Kg | ☼ | -2105 | 75 - 125 |
| Selenium | 3.0 | U | 12.1 | 11.4 | | mg/Kg | ☼ | 94 | 75 - 125 |
| Silver | 0.13 | J | 6.04 | 4.28 | F | mg/Kg | ☼ | 69 | 75 - 125 |

Lab Sample ID: 680-89516-2 MSD
Matrix: Solid
Analysis Batch: 274404

Client Sample ID: CV0117B-CS
Prep Type: Total/NA
Prep Batch: 273873

| Analyte | Sample Result | Sample Qualifier | Spike Added | MSD Result | MSD Qualifier | Unit | D | %Rec | %Rec. Limits | RPD | RPD Limit |
|----------|---------------|------------------|-------------|------------|---------------|-------|---|------|--------------|-----|-----------|
| Arsenic | 29 | | 12.0 | 46.5 | F | mg/Kg | ☼ | 148 | 75 - 125 | 54 | 20 |
| Barium | 520 | | 12.0 | 676 | 4 F | mg/Kg | ☼ | 1340 | 75 - 125 | 30 | 20 |
| Cadmium | 1.8 | | 5.99 | 8.50 | | mg/Kg | ☼ | 112 | 75 - 125 | 13 | 20 |
| Chromium | 51 | | 12.0 | 53.1 | 4 | mg/Kg | ☼ | 18 | 75 - 125 | 9 | 20 |
| Lead | 490 | | 5.99 | 597 | 4 F | mg/Kg | ☼ | 1730 | 75 - 125 | 48 | 20 |
| Selenium | 3.0 | U | 12.0 | 12.6 | | mg/Kg | ☼ | 105 | 75 - 125 | 10 | 20 |
| Silver | 0.13 | J | 5.99 | 2.36 | F | mg/Kg | ☼ | 37 | 75 - 125 | 58 | 20 |

QC Sample Results

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

TestAmerica Job ID: 680-89516-3
 SDG: 68089516-3

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

Lab Sample ID: MB 680-274321/1-A
Matrix: Solid
Analysis Batch: 274518

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 274321

| Analyte | MB Result | MB Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---------|-----------|--------------|-------|--------|-------|---|----------------|----------------|---------|
| Mercury | 0.020 | U | 0.020 | 0.0082 | mg/Kg | | 04/24/13 17:14 | 04/25/13 19:12 | 1 |

Lab Sample ID: LCS 680-274321/2-A
Matrix: Solid
Analysis Batch: 274518

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 274321

| Analyte | Spike Added | LCS Result | LCS Qualifier | Unit | D | %Rec | %Rec. Limits |
|---------|-------------|------------|---------------|-------|---|------|--------------|
| Mercury | 0.245 | 0.263 | | mg/Kg | | 107 | 80 - 120 |

Lab Sample ID: 680-89516-2 MS
Matrix: Solid
Analysis Batch: 274518

Client Sample ID: CV0117B-CS
Prep Type: Total/NA
Prep Batch: 274321

| Analyte | Sample Result | Sample Qualifier | Spike Added | MS Result | MS Qualifier | Unit | D | %Rec | %Rec. Limits |
|---------|---------------|------------------|-------------|-----------|--------------|-------|---|------|--------------|
| Mercury | 0.21 | | 0.134 | 0.340 | | mg/Kg | ☼ | 99 | 80 - 120 |

Lab Sample ID: 680-89516-2 MSD
Matrix: Solid
Analysis Batch: 274518

Client Sample ID: CV0117B-CS
Prep Type: Total/NA
Prep Batch: 274321

| Analyte | Sample Result | Sample Qualifier | Spike Added | MSD Result | MSD Qualifier | Unit | D | %Rec | %Rec. Limits | RPD | Limit |
|---------|---------------|------------------|-------------|------------|---------------|-------|---|------|--------------|-----|-------|
| Mercury | 0.21 | | 0.120 | 0.318 | | mg/Kg | ☼ | 92 | 80 - 120 | 7 | 20 |

QC Association Summary

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

TestAmerica Job ID: 680-89516-3
 SDG: 68089516-3

Metals

Prep Batch: 273873

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|--------------------|-----------------------|-----------|--------|--------|------------|
| 680-89516-2 | CV0117B-CS | Total/NA | Solid | 3050B | |
| 680-89516-2 MS | CV0117B-CS | Total/NA | Solid | 3050B | |
| 680-89516-2 MSD | CV0117B-CS | Total/NA | Solid | 3050B | |
| 680-89516-19 | CV1178B-CS | Total/NA | Solid | 3050B | |
| 680-89516-28 | HP0311A-CS-SP | Total/NA | Solid | 3050B | |
| 680-89516-30 | CV0117B-CS (sieve) | Total/NA | Solid | 3050B | |
| 680-89516-31 | CV1178B-CS (sieve) | Total/NA | Solid | 3050B | |
| 680-89516-32 | HP0311A-CS-SP (sieve) | Total/NA | Solid | 3050B | |
| LCS 680-273873/3-A | Lab Control Sample | Total/NA | Solid | 3050B | |
| MB 680-273873/1-A | Method Blank | Total/NA | Solid | 3050B | |

Prep Batch: 274321

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|--------------------|-----------------------|-----------|--------|--------|------------|
| 680-89516-2 | CV0117B-CS | Total/NA | Solid | 7471B | |
| 680-89516-2 MS | CV0117B-CS | Total/NA | Solid | 7471B | |
| 680-89516-2 MSD | CV0117B-CS | Total/NA | Solid | 7471B | |
| 680-89516-19 | CV1178B-CS | Total/NA | Solid | 7471B | |
| 680-89516-28 | HP0311A-CS-SP | Total/NA | Solid | 7471B | |
| 680-89516-30 | CV0117B-CS (sieve) | Total/NA | Solid | 7471B | |
| 680-89516-31 | CV1178B-CS (sieve) | Total/NA | Solid | 7471B | |
| 680-89516-32 | HP0311A-CS-SP (sieve) | Total/NA | Solid | 7471B | |
| LCS 680-274321/2-A | Lab Control Sample | Total/NA | Solid | 7471B | |
| MB 680-274321/1-A | Method Blank | Total/NA | Solid | 7471B | |

Analysis Batch: 274404

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|--------------------|-----------------------|-----------|--------|--------|------------|
| 680-89516-2 | CV0117B-CS | Total/NA | Solid | 6010C | 273873 |
| 680-89516-2 MS | CV0117B-CS | Total/NA | Solid | 6010C | 273873 |
| 680-89516-2 MSD | CV0117B-CS | Total/NA | Solid | 6010C | 273873 |
| 680-89516-19 | CV1178B-CS | Total/NA | Solid | 6010C | 273873 |
| 680-89516-28 | HP0311A-CS-SP | Total/NA | Solid | 6010C | 273873 |
| 680-89516-30 | CV0117B-CS (sieve) | Total/NA | Solid | 6010C | 273873 |
| 680-89516-31 | CV1178B-CS (sieve) | Total/NA | Solid | 6010C | 273873 |
| 680-89516-32 | HP0311A-CS-SP (sieve) | Total/NA | Solid | 6010C | 273873 |
| LCS 680-273873/3-A | Lab Control Sample | Total/NA | Solid | 6010C | 273873 |
| MB 680-273873/1-A | Method Blank | Total/NA | Solid | 6010C | 273873 |

Analysis Batch: 274518

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|--------------------|-----------------------|-----------|--------|--------|------------|
| 680-89516-2 | CV0117B-CS | Total/NA | Solid | 7471B | 274321 |
| 680-89516-2 MS | CV0117B-CS | Total/NA | Solid | 7471B | 274321 |
| 680-89516-2 MSD | CV0117B-CS | Total/NA | Solid | 7471B | 274321 |
| 680-89516-19 | CV1178B-CS | Total/NA | Solid | 7471B | 274321 |
| 680-89516-28 | HP0311A-CS-SP | Total/NA | Solid | 7471B | 274321 |
| 680-89516-30 | CV0117B-CS (sieve) | Total/NA | Solid | 7471B | 274321 |
| 680-89516-31 | CV1178B-CS (sieve) | Total/NA | Solid | 7471B | 274321 |
| 680-89516-32 | HP0311A-CS-SP (sieve) | Total/NA | Solid | 7471B | 274321 |
| LCS 680-274321/2-A | Lab Control Sample | Total/NA | Solid | 7471B | 274321 |
| MB 680-274321/1-A | Method Blank | Total/NA | Solid | 7471B | 274321 |

TestAmerica Savannah

QC Association Summary

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

TestAmerica Job ID: 680-89516-3
SDG: 68089516-3

General Chemistry

Analysis Batch: 136686

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|-----------------|------------------|-----------|--------|----------|------------|
| 680-89516-2 | CV0117B-CS | Total/NA | Solid | Moisture | |
| 680-89516-2 MS | CV0117B-CS | Total/NA | Solid | Moisture | |
| 680-89516-2 MSD | CV0117B-CS | Total/NA | Solid | Moisture | |
| 680-89516-19 | CV1178B-CS | Total/NA | Solid | Moisture | |
| 680-89516-28 | HP0311A-CS-SP | Total/NA | Solid | Moisture | |

Analysis Batch: 274034

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---------------|-----------------------|-----------|--------|----------|------------|
| 680-89516-30 | CV0117B-CS (sieve) | Total/NA | Solid | Moisture | |
| 680-89516-31 | CV1178B-CS (sieve) | Total/NA | Solid | Moisture | |
| 680-89516-32 | HP0311A-CS-SP (sieve) | Total/NA | Solid | Moisture | |

Lab Chronicle

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

TestAmerica Job ID: 680-89516-3
 SDG: 68089516-3

Client Sample ID: CV0117B-CS

Lab Sample ID: 680-89516-2

Date Collected: 04/17/13 10:30

Matrix: Solid

Date Received: 04/19/13 08:50

Percent Solids: 72.0

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Prepared or Analyzed | Analyst | Lab |
|-----------|------------|--------------|-----|-----------------|--------------|----------------------|---------|---------|
| Total/NA | Prep | 3050B | | | 273873 | 04/22/13 09:31 | JKL | TAL SAV |
| Total/NA | Analysis | 6010C | | 1 | 274404 | 04/25/13 10:04 | BCB | TAL SAV |
| Total/NA | Prep | 7471B | | | 274321 | 04/24/13 17:14 | UU | TAL SAV |
| Total/NA | Analysis | 7471B | | 1 | 274518 | 04/25/13 19:17 | BCB | TAL SAV |
| Total/NA | Analysis | Moisture | | 1 | 136686 | 04/22/13 12:37 | AG | TAL TAM |

Client Sample ID: CV1178B-CS

Lab Sample ID: 680-89516-19

Date Collected: 04/17/13 13:40

Matrix: Solid

Date Received: 04/19/13 08:50

Percent Solids: 74.7

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Prepared or Analyzed | Analyst | Lab |
|-----------|------------|--------------|-----|-----------------|--------------|----------------------|---------|---------|
| Total/NA | Prep | 3050B | | | 273873 | 04/22/13 09:31 | JKL | TAL SAV |
| Total/NA | Analysis | 6010C | | 1 | 274404 | 04/25/13 10:22 | BCB | TAL SAV |
| Total/NA | Prep | 7471B | | | 274321 | 04/24/13 17:14 | UU | TAL SAV |
| Total/NA | Analysis | 7471B | | 1 | 274518 | 04/25/13 19:24 | BCB | TAL SAV |
| Total/NA | Analysis | Moisture | | 1 | 136686 | 04/22/13 12:37 | AG | TAL TAM |

Client Sample ID: HP0311A-CS-SP

Lab Sample ID: 680-89516-28

Date Collected: 04/17/13 15:00

Matrix: Solid

Date Received: 04/19/13 08:50

Percent Solids: 64.8

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Prepared or Analyzed | Analyst | Lab |
|-----------|------------|--------------|-----|-----------------|--------------|----------------------|---------|---------|
| Total/NA | Prep | 3050B | | | 273873 | 04/22/13 09:31 | JKL | TAL SAV |
| Total/NA | Analysis | 6010C | | 1 | 274404 | 04/25/13 10:27 | BCB | TAL SAV |
| Total/NA | Prep | 7471B | | | 274321 | 04/24/13 17:14 | UU | TAL SAV |
| Total/NA | Analysis | 7471B | | 1 | 274518 | 04/25/13 19:27 | BCB | TAL SAV |
| Total/NA | Analysis | Moisture | | 1 | 136686 | 04/22/13 12:37 | AG | TAL TAM |

Client Sample ID: CV0117B-CS (sieve)

Lab Sample ID: 680-89516-30

Date Collected: 04/17/13 10:30

Matrix: Solid

Date Received: 04/19/13 08:50

Percent Solids: 71.7

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Prepared or Analyzed | Analyst | Lab |
|-----------|------------|--------------|-----|-----------------|--------------|----------------------|---------|---------|
| Total/NA | Prep | 3050B | | | 273873 | 04/22/13 09:31 | JKL | TAL SAV |
| Total/NA | Analysis | 6010C | | 1 | 274404 | 04/25/13 10:33 | BCB | TAL SAV |
| Total/NA | Prep | 7471B | | | 274321 | 04/24/13 17:14 | UU | TAL SAV |
| Total/NA | Analysis | 7471B | | 1 | 274518 | 04/25/13 19:29 | BCB | TAL SAV |
| Total/NA | Analysis | Moisture | | 1 | 274034 | 04/23/13 09:15 | FS | TAL SAV |

Lab Chronicle

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

TestAmerica Job ID: 680-89516-3
 SDG: 68089516-3

Client Sample ID: CV1178B-CS (sieve)

Lab Sample ID: 680-89516-31

Date Collected: 04/17/13 13:40

Matrix: Solid

Date Received: 04/19/13 08:50

Percent Solids: 78.1

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Prepared or Analyzed | Analyst | Lab |
|-----------|------------|--------------|-----|-----------------|--------------|----------------------|---------|---------|
| Total/NA | Prep | 3050B | | | 273873 | 04/22/13 09:31 | JKL | TAL SAV |
| Total/NA | Analysis | 6010C | | 1 | 274404 | 04/25/13 10:38 | BCB | TAL SAV |
| Total/NA | Prep | 7471B | | | 274321 | 04/24/13 17:14 | UU | TAL SAV |
| Total/NA | Analysis | 7471B | | 1 | 274518 | 04/25/13 19:32 | BCB | TAL SAV |
| Total/NA | Analysis | Moisture | | 1 | 274034 | 04/23/13 09:15 | FS | TAL SAV |

Client Sample ID: HP0311A-CS-SP (sieve)

Lab Sample ID: 680-89516-32

Date Collected: 04/17/13 15:00

Matrix: Solid

Date Received: 04/19/13 08:50

Percent Solids: 79.3

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Prepared or Analyzed | Analyst | Lab |
|-----------|------------|--------------|-----|-----------------|--------------|----------------------|---------|---------|
| Total/NA | Prep | 3050B | | | 273873 | 04/22/13 09:31 | JKL | TAL SAV |
| Total/NA | Analysis | 6010C | | 1 | 274404 | 04/25/13 10:44 | BCB | TAL SAV |
| Total/NA | Prep | 7471B | | | 274321 | 04/24/13 17:14 | UU | TAL SAV |
| Total/NA | Analysis | 7471B | | 1 | 274518 | 04/25/13 19:34 | BCB | TAL SAV |
| Total/NA | Analysis | Moisture | | 1 | 274034 | 04/23/13 09:15 | FS | TAL SAV |

Laboratory References:

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

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

ANALYSIS REQUEST AND CHAIN OF CUSTODY RECORD

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

TestAmerica Savannah
5102 LaRoche Avenue
Savannah, GA 31404

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

Alternate Laboratory Name/Location
Test: Am Tampa

Phone:
Fax:

680-87516

PROJECT REFERENCE: *35th Ave Removal* PROJECT NO.: *2005148-1356* PROJECT LOCATION (STATE): *AL* MATRIX TYPE: *LLPAH* REQUIRED ANALYSIS: *PRESERVATIVE* PAGE *2* OF *3*

(b) (6)

STANDARD REPORT DELIVERY: DATE DUE: _____
EXPEDITED REPORT DELIVERY (SURCHARGE): *10 calendar days* DATE DUE: _____

COMPANY CONTRACTING THIS WORK (if applicable): _____

| SAMPLE | | SAMPLE IDENTIFICATION | COMPOSITE (C) OR GRAB (G) INDICATE | AQUEOUS (WATER) | SOLID OR SEMISOLID | AIR | NONAQUEOUS LIQUID (OIL, SOLVENT, ...) | REQUIRED ANALYSIS | | | | | | | | | | REMARKS | | | | | | |
|----------------|-------------|-----------------------|-------------------------------------|-------------------------------------|--------------------|-----|---------------------------------------|-------------------|---|---|---|---|---|---|---|---|----|---------|----|----|--|--|--|--|
| DATE | TIME | | | | | | | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | | 11 | 12 | | | | |
| <i>4-17-13</i> | <i>1010</i> | <i>FM0296D-CS-SP</i> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | | | <i>X</i> | | | | | | | | | | | | | | | | | |
| | <i>1035</i> | <i>FM0296F-CS-SP</i> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | | | <i>X</i> | | | | | | | | | | | | | | | | | |
| | <i>1245</i> | <i>CV1115A-CS</i> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | | | <i>X</i> | | | | | | | | | | | | | | | | | |
| | <i>1245</i> | <i>CV1115A-CSD</i> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | | | <i>X</i> | | | | | | | | | | | | | | | | | |
| | <i>1255</i> | <i>CV1115B-CS</i> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | | | <i>X</i> | | | | | | | | | | | | | | | | | |
| | <i>1330</i> | <i>CV1178A-CS</i> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | | | <i>X</i> | | | | | | | | | | | | | | | | | |
| | <i>1340</i> | <i>CV1178B-CS</i> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | | | <i>X</i> | <i>X</i> | | | | | | | | | | | | | | | | |
| | <i>1450</i> | <i>CV1264A-CS</i> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | | | <i>X</i> | | | | | | | | | | | | | | | | | |
| | <i>1500</i> | <i>CV1264B-CS</i> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | | | <i>X</i> | | | | | | | | | | | | | | | | | |
| | <i>1510</i> | <i>CV1264C-GS</i> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | | | <i>X</i> | | | | | | | | | | | | | | | | | |
| | <i>1420</i> | <i>CV1371A-CS</i> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | | | <i>X</i> | | | | | | | | | | | | | | | | | |
| | <i>1430</i> | <i>CV1371B-CS</i> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | | | <i>X</i> | | | | | | | | | | | | | | | | | |

| | | | | | | | | |
|---|---------------------|------------------|---|---------------------|------------------|------------------------------|------|------|
| RELINQUISHED BY: (SIGNATURE) <i>[Signature]</i> | DATE <i>4-18-13</i> | TIME <i>1130</i> | RELINQUISHED BY: (SIGNATURE) <i>[Signature]</i> | DATE <i>4/19/13</i> | TIME <i>1730</i> | RELINQUISHED BY: (SIGNATURE) | DATE | TIME |
| RECEIVED BY: (SIGNATURE) <i>[Signature]</i> | DATE <i>4/19/13</i> | TIME <i>0850</i> | RECEIVED BY: (SIGNATURE) | DATE | TIME | RECEIVED BY: (SIGNATURE) | DATE | TIME |

LABORATORY USE ONLY

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

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4/20/13

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:

680-89516

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

(b) (6)

| | | | | |
|---|---|-----------------------|----------|--|
| COMPANY CONTRACTING THIS WORK (if applicable) | STANDARD REPORT DELIVERY | <input type="radio"/> | DATE DUE | |
| | EXPEDITED REPORT DELIVERY (SURCHARGE) | <input type="radio"/> | DATE DUE | |
| | NUMBER OF COOLERS SUBMITTED PER SHIPMENT: | | | |

| SAMPLE | | SAMPLE IDENTIFICATION | COMPOSITE (C) OR GRAB (G) INDICATE | AQUEOUS (WATER) | SOLID OR SEMISOLID | AIR | NONAQUEOUS LIQUID (OIL, SOLVENT, ...) | REQUIRED ANALYSIS | | | | | | | | | | REMARKS | | | | | | | |
|--------|------|------------------------|------------------------------------|-----------------|--------------------|-----|---------------------------------------|-------------------|---|---|---|---|---|---|---|---|----|---------|----|----|--|--|--|--|--|
| DATE | TIME | | | | | | | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | | 11 | 12 | | | | | |
| 4-17-B | 1340 | CV0516 A-CS-SP | C | X | | | X | | | | | | | | | | | | | | | | | | |
| | 1350 | CV0516 B-CS-SP | C | X | | | X | | | | | | | | | | | | | | | | | | |
| | 1400 | CV0516 C-CS-SP | C | X | | | X | | | | | | | | | | | | | | | | | | |
| | 1500 | HP 0311 A-CS-SP | C | X | | | X | X | | | | | | | | | | | | | | | | | |
| | 1510 | HP 0311 B-CS-SP | C | X | | | X | | | | | | | | | | | | | | | | | | |
| | 1030 | CV0117B-CS(sieve) | C | X | | | | X | | | | | | | | | | | | | | | | | |
| | 1340 | CV1178B-CS(sieve) | C | X | | | | X | | | | | | | | | | | | | | | | | |
| | 1500 | HP0311 A-CS-SP (sieve) | C | X | | | | X | | | | | | | | | | | | | | | | | |

| | | | | | | | | |
|--|-----------------|--------------|--|-----------------|--------------|------------------------------|------|------|
| RELINQUISHED BY: (SIGNATURE) <i>[Signature]</i> | DATE 4-18-13 | TIME 1130 | RELINQUISHED BY: (SIGNATURE) <i>[Signature]</i> | DATE 4/19/13 | TIME 1730 | RELINQUISHED BY: (SIGNATURE) | DATE | TIME |
| RECEIVED BY: (SIGNATURE) <i>[Signature]</i> | DATE 4/19/13 | TIME 0850 | RECEIVED BY: (SIGNATURE) | DATE | TIME | RECEIVED BY: (SIGNATURE) | DATE | TIME |

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

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4/30/2013



Login Sample Receipt Checklist

Client: Oneida Total Integrated Enterprises LLC

Job Number: 680-89516-3

SDG Number: 68089516-3

Login Number: 89516

List Number: 1

Creator: Daughtry, Beth

List Source: TestAmerica Savannah

| Question | Answer | Comment |
|--|--------|---------|
| Radioactivity wasn't checked or is \leq background as measured by a survey meter. | N/A | |
| The cooler's custody seal, if present, is intact. | True | |
| Sample custody seals, if present, are intact. | True | |
| The cooler or samples do not appear to have been compromised or tampered with. | True | |
| Samples were received on ice. | True | |
| Cooler Temperature is acceptable. | True | |
| Cooler Temperature is recorded. | True | |
| COC is present. | True | |
| COC is filled out in ink and legible. | True | |
| COC is filled out with all pertinent information. | True | |
| Is the Field Sampler's name present on COC? | N/A | |
| There are no discrepancies between the containers received and the COC. | True | |
| Samples are received within Holding Time. | True | |
| Sample containers have legible labels. | True | |
| Containers are not broken or leaking. | True | |
| Sample collection date/times are provided. | True | |
| Appropriate sample containers are used. | True | |
| Sample bottles are completely filled. | True | |
| Sample Preservation Verified. | N/A | |
| There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs | True | |
| Containers requiring zero headspace have no headspace or bubble is $<6\text{mm}$ (1/4"). | 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: 680-89516-3

SDG Number: 68089516-3

Login Number: 89516

List Number: 1

Creator: Snead, Joshua

List Source: TestAmerica Tampa

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

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

Certification Summary

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

TestAmerica Job ID: 680-89516-3
 SDG: 68089516-3

Laboratory: TestAmerica Savannah

All certifications held by this laboratory are listed. Not all certifications are applicable to this report.

| Authority | Program | EPA Region | Certification ID | Expiration Date |
|-------------------------|---------------|------------|----------------------|-----------------|
| A2LA | DoD ELAP | | 0399-01 | 05-31-13 |
| Alabama | State Program | 4 | 41450 | 06-30-13 |
| Alaska (UST) | State Program | 10 | UST-104 | 06-19-13 |
| California | NELAP | 9 | 3217CA | 07-31-13 |
| Colorado | State Program | 8 | N/A | 12-31-13 |
| Florida | NELAP | 4 | E87052 | 06-30-13 |
| GA Dept. of Agriculture | State Program | 4 | N/A | 12-31-13 |
| Georgia | State Program | 4 | N/A | 06-30-13 |
| Georgia | State Program | 4 | 803 | 06-30-13 |
| Hawaii | State Program | 9 | N/A | 06-30-13 |
| Illinois | NELAP | 5 | 200022 | 11-30-13 |
| Indiana | State Program | 5 | N/A | 06-30-13 |
| Iowa | State Program | 7 | 353 | 07-01-13 |
| Kentucky | State Program | 4 | 90084 | 12-31-12 * |
| Kentucky (UST) | State Program | 4 | 18 | 03-31-13 * |
| Louisiana | NELAP | 6 | 30690 | 06-30-13 |
| Louisiana | NELAP | 6 | LA100015 | 12-31-13 |
| Maine | State Program | 1 | GA00006 | 08-16-14 |
| Maryland | State Program | 3 | 250 | 12-31-13 |
| Massachusetts | State Program | 1 | M-GA006 | 06-30-13 |
| Michigan | State Program | 5 | 9925 | 06-30-13 |
| Mississippi | State Program | 4 | N/A | 06-30-13 |
| Montana | State Program | 8 | CERT0081 | 01-01-14 |
| Nebraska | State Program | 7 | TestAmerica-Savannah | 06-30-13 |
| New Jersey | NELAP | 2 | GA769 | 06-30-13 |
| New Mexico | State Program | 6 | N/A | 06-30-13 |
| New York | NELAP | 2 | 10842 | 04-01-14 |
| North Carolina DENR | State Program | 4 | 269 | 12-31-13 |
| North Carolina DHHS | State Program | 4 | 13701 | 07-31-13 |
| Oklahoma | State Program | 6 | 9984 | 08-31-13 |
| Pennsylvania | NELAP | 3 | 68-00474 | 06-30-13 |
| Puerto Rico | State Program | 2 | GA00006 | 01-01-14 |
| South Carolina | State Program | 4 | 98001 | 06-30-13 |
| Tennessee | State Program | 4 | TN02961 | 06-30-13 |
| Texas | NELAP | 6 | T104704185-08-TX | 11-30-13 |
| USDA | Federal | | SAV 3-04 | 04-07-14 |
| Virginia | NELAP | 3 | 460161 | 06-14-13 |
| Washington | State Program | 10 | C1794 | 06-10-13 |
| West Virginia | State Program | 3 | 9950C | 12-31-13 |
| West Virginia DEP | State Program | 3 | 94 | 06-30-13 |
| Wisconsin | State Program | 5 | 999819810 | 08-31-13 |
| Wyoming | State Program | 8 | 8TMS-Q | 06-30-13 |

Laboratory: TestAmerica Tampa

All certifications held by this laboratory are listed. Not all certifications are applicable to this report.

| Authority | Program | EPA Region | Certification ID | Expiration Date |
|-----------|---------------|------------|------------------|-----------------|
| Alabama | State Program | 4 | 40610 | 06-30-13 |
| Florida | NELAP | 4 | E84282 | 06-30-13 |
| Georgia | State Program | 4 | 905 | 06-30-13 |

* Expired certification is currently pending renewal and is considered valid.

TestAmerica Savannah

Certification Summary

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

TestAmerica Job ID: 680-89516-3
SDG: 68089516-3

Laboratory: TestAmerica Tampa (Continued)

All certifications held by this laboratory are listed. Not all certifications are applicable to this report.

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

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