Data Validation Checklist
Inorganic Analyses

Project:	35TH Avenue Superfund Site	Project No:	15263756.20000
Laboratory:	TestAmerica – Savannah, GA	Job ID.:	680-104727-1
Method:	SW-846 6010C (Aluminum, Arsenic, Iron, and Lead)	Associated Samples:	Refer to **Attachment A** (Sample Summary)
Matrix:	Soil	Date(s) Collected:	08/25/2014
Reviewer:	Karen M Trujillo, URS Group, Inc.	Date:	02/09/2015
Concurrence[1]:	Martha Meyers-Lee, URS Group, Inc.	Date:	02/10/2015

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; Cr+6: ≤24 hours from extraction). 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?		✓		Resident Soil RSL with THQ = 1.0 (ORNL, November 2014) for target analytes: • Arsenic: 0.67 mg/Kg • Aluminum: 77,000 mg/Kg • Iron: 55,000 mg/Kg • Lead: 400 mg/Kg The MDL for each target analyte is less than the respective above-mentioned RSL.	
8. Were method blank (MB) prepared at the appropriate frequency (one per 20 samples, batch, matrix, and level)?	✓				
9. Was a calibration blank (ICB/CCB) analyzed at the beginning, after every 10th sample, and at the end of each analytical run?	✓				
10. Were target analytes detected in the method and/or calibration blanks?	✓			Arsenic was detected at a concentration that was below the reporting limit during the SW-846 6010C analysis of the initial calibration blank.	

[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. A rinsate blank is not associated with this sampling event. Blank contamination will be evaluated based on method blank results.	
12. Were contaminants detected in samples below the blank contamination action level? o If blank result > RL, • Flag sample results ≤ RL with a U • Flag positive sample results > RL and ≤10x blank result , as J+ positive results o If blank result ≤RL, • Flag sample results ≤ RL with a U • Flag positive sample results > RL and ≤10x blank result , as J+ positive results		✓		An evaluation of the effect of blank contamination on soil sample results was based on method blank results, and not calibration blank results.	
13. Are there negative laboratory blank results with the absolute value ≤RL? If yes, then flag positive and non-detect sample results that are < 10x absolute blank value as J- and UJ, respectively.		✓			
14. Was a field duplicate analyzed?	✓			CV0268A-CS-0-4"-DUP is a field duplicate of CV0268A-CS-0-4"	
15. Was precision deemed acceptable as defined by the project plans?	✓			Refer to **Attachment B** (Field Duplicate Evaluation)	
16. Were initial and continuing calibration standards analyzed at the lab/project-specified frequency for each instrument? o 6010C: • ICAL: Blank and one standard • ICV initially, and CCV every 10th sample and at the end of the analytical run • Lower Limit of Quantitation Check Sample (CRI) to be analyzed after establishing lower laboratory reporting limits and as needed	✓				
17. Were these results within lab/project specifications? o 6010C • ICV/CCV (Criteria: 90-110%R): ▪ If %R <75, then J- flag positive results and R-flag non-detects ▪ If 75-89%R, then J- flag positive results and UJ flag non-detects ▪ If 111-125%R, then J flag positive results ▪ If >125%R, then J+ flag positive results ▪ If >160%R, then R flag positive results • CRI (Method: 70-130%R, Laboratory: 50-150%R; Project: 50-150%R for Sb, Pb, and Tl, and 70-130%R for all other analytes):	✓				

Data Validation Checklist (Continued)

Review Questions	Yes	No	N/A	Samples (Analytes) Affected/Comments	Flag
▪ 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					
18. Was the interference check sample (ICS) analyzed at the beginning of each ICP analytical run?	✓				
19. Are ICS recoveries within 80-120% of the true value? If not, qualify data as follows when native Al, Fe, Ca, and Mg sample concentrations are equal to or greater than the ICS spiking level: o If >120%R (or >true value plus 2x CRQL), J+ flag positive results o If 50-79%R (or less than true value – 2x the CRQL), J- flag positive results and UJ flag non-detects o If <50%R, J- flag positive results and R-flag non-detects	✓				
20. Was a LCS analyzed for each preparation batch (one per 20 samples per matrix and level)?	✓				
21. Did LCS recoveries meet method/laboratory/project (80-120%R) specifications? o Soil: • LCS result > Upper control limit (UCL): J+ flag positive results • LCS result < Lower control limit (LCL): J- flag positive results and UJ flag non-detects	✓				
22. Was the RPD between LCS and LCSD results within method/laboratory /project control limits (≤20%RPD)? If not, J and UJ flag positive and non-detect results, respectively			✓	LCS only	
23. Was a Matrix Spike (MS) and Matrix Spike Duplicate (MSD) analyzed once per preparation batch?	✓				
24. Is the MS and MSD parent sample a project-specific sample?	✓	✓		Prep Batch 346548: • 680-104727-2 (CV0323A-CS-0-4"), MS/MSD • 680-104727-9 (CV0815B-CS-0-4"), 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, mercury, or hexavalent chromium)?	✓			• 680-104727-2 (CV0323A-CS-0-4") • 680-104727-9 (CV0815B-CS-0-4")	
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; laboratory (MS, MSD, and PDS: 75-125%R for 6010C, and project (as noted below) specifications? *Only QC results for project samples are evaluated.* If not, o 6010C: • If MS %R <30 and PDS %R <75, then J- and R Flag positive		✓		680-104727-9 (CV0815B-CS-0-4"): Arsenic MS and MSD @48 and 108%R (75-125). PDS is 94 %R (80-120). J Flag sample result.	J

Data Validation Checklist (Continued)

Review Questions	Yes	No	N/A	Samples (Analytes) Affected/Comments	Flag
and ND results, respectively • If MS %R <30 and PDS %R >75, then J flag positive and UJ flag non-detect results • If MS and MSD %R 30-74 and PDS%R <75, then J- flag positive and UJ flag non-detect results • If MS and MSD %R 30-74 and PDS%R ≥75, then J flag positive and UJ flag non-detect results • If MS, MSD, and PDS %R >125, J+ flag positive results • If MS and MSD %R >125 and PDS %R ≤125, then J flag positive results • If MS and MSD %R <30 and no PDS, then J- flag positive and R-flag non-detect results • If MS and MSD %R 30-74 and no PDS, then J- and UJ flag positive and non-detect results, respectively • If MS and MSD %R >125 and no PDS, then J+ flag positive results					
27. For all analytes with sample concentration < 4 x spike concentration, were laboratory/project (≤20%RPD) criteria met for precision during the MS and MSD analysis? *Only QC results for project samples are evaluated.* o If RPD >20%, J and UJ flag positive and non-detect results.	✓				
28. Was a serial dilution conducted for 6010C/EPA 200.7?	✓				
29. Is the serial dilution parent sample a project-specific sample?	✓			680-104727-2 (CV0323A-CS-0-4")	
30. Is the percent difference between the serially diluted result and undiluted result less 10% (for those analytes with native concentrations greater than 50x the DL)? *Only QC results for project samples are evaluated.* o If %D >10, J and UJ flag positive and non-detect results, respectively.	✓				
31. Was a laboratory duplicate analyzed?		✓			
32. Was the lab duplicate analysis conducted on a project-specific sample?			✓		
33. Were criteria for laboratory/project precision met? *Only QC results for project samples are evaluated.* o If RPD values >20% (35% for soil/sediment) or absolute difference > RL (2x RL for soil/sediment), then J and UJ flag positive and non-detect results, respectively			✓		
34. Were lab comments included in report? If yes, summarize contents or attach a copy of the narrative.	✓			Refer to **Attachment C** (Case Narrative)	

Comments: The data validation was conducted in accordance with the *Non-Industrial Use Property Sampling Event QAPP for the 35th Avenue Removal Site, Birmingham, Alabama, Revision 1* (OTIE, October 2012). The data review process was modeled after the *USEPA Contract Laboratory Program (CLP) National Functional Guidelines (NFG) for Inorganic Data Review* (EPA 540-R-04-004, October 2004). Sample results have been qualified based on the results of the data review process (**Attachment D**). Criteria for acceptability of data were based upon available site information, analytical method requirements, guidance documents, and professional judgment

Data Validation Checklist (Continued)

DV Flag Definitions:

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

ATTACHMENT A

SAMPLE SUMMARY

SAMPLE SUMMARY

Client: Oneida Total Integrated Enterprises LLC

Job Number: 680-104727-1
Sdg Number: 680-104727-01

Lab Sample ID	Client Sample ID	Client Matrix	Date/Time Sampled	Date/Time Received
680-104727-1	CV0268A-CS-0-4"	Solid	08/25/2014 1325	08/28/2014 0930
680-104727-2	CV0323A-CS-0-4"	Solid	08/25/2014 1420	08/28/2014 0930
680-104727-2MS	CV0323A-CS-0-4"	Solid	08/25/2014 1420	08/28/2014 0930
680-104727-2MSD	CV0323A-CS-0-4"	Solid	08/25/2014 1420	08/28/2014 0930
680-104727-3	CV0222B-CS-0-4"	Solid	08/25/2014 1455	08/28/2014 0930
680-104727-4	CV1067A-CS-0-4"	Solid	08/25/2014 1530	08/28/2014 0930
680-104727-5	CV1357B-CS-0-4"	Solid	08/25/2014 1555	08/28/2014 0930
680-104727-6	HP0098B-CS-0-4"	Solid	08/25/2014 1615	08/28/2014 0930
680-104727-7	HP0237A-CS-0-4"	Solid	08/25/2014 1640	08/28/2014 0930
680-104727-8	CV0815A-CS-0-4"	Solid	08/25/2014 1700	08/28/2014 0930
680-104727-9	CV0815B-CS-0-4"	Solid	08/25/2014 1715	08/28/2014 0930
680-104727-9MS	CV0815B-CS-0-4"	Solid	08/25/2014 1715	08/28/2014 0930
680-104727-9MSD	CV0815B-CS-0-4"	Solid	08/25/2014 1715	08/28/2014 0930
680-104727-10	CV0268A-CS-0-4"-DUP	Solid	08/25/2014 1325	08/28/2014 0930

ATTACHMENT B

FIELD DUPLICATE EVALUATION

Evaluation of Field Duplicate Results

Attachment B

Analyte	CV0268A-CS-0-4" 680-104727-1	RL	CV0268A-CS-0-4"-DUP 680-104727-10	RL	Unit	Avg. RLx5	RPD	Absolute difference	2x Avg RL	Action
Aluminum	11000	22	9300	21	mg/kg	107.5	**17**	NA	NA	None, RPD ≤ 50%
Arsenic	41	2.2	38	2.1	mg/kg	10.75	**8**	NA	NA	None, RPD ≤ 50%
Iron	60000	22	52000	21	mg/kg	107.5	**14**	NA	NA	None, RPD ≤ 50%
Lead	260	1.1	290	1.1	mg/kg	5.5	**11**	NA	NA	None, RPD ≤ 50%

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

mg/kg - Milligrams per kilogram
NA - Not applicable
RL - Reporting limit
RPD - Relative percent difference

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

ATTACHMENT C

CASE NARRATIVE

CASE NARRATIVE
Client: Oneida Total Integrated Enterprises LLC
Project: 35th Avenue Superfund Site
Report Number: 680-104727-1

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 the event of interference or analytes present at high concentrations, samples may be diluted. For diluted samples, the reporting limits are adjusted relative to the dilution required.

No additional analytical or quality issues were noted, other than those described below or in the Definitions/Glossary page.

RECEIPT

The samples were received on 08/28/2014; the samples arrived in good condition, properly preserved and on ice. The temperature of the coolers at receipt was 2.0 C.

SEMIVOLATILE ORGANIC COMPOUNDS (GC/MS) LOW LEVEL PAH

Samples CV0815B-CS-0-4'' (680-104727-9) and CV0268A-CS-0-4''-DUP (680-104727-10) were analyzed for Semivolatile Organic Compounds (GC/MS) Low level PAH in accordance with EPA SW846 Method 8270D.

Method(s) 8270D_LL_PAH: The following sample(s) was diluted due to the nature of the sample matrix : CV0268A-CS-0-4''-DUP (680-104727-10), CV0815B-CS-0-4'' (680-104727-9), CV0815B-CS-0-4'' (680-104727-9 MS), CV0815B-CS-0-4'' (680-104727-9 MSD). As such, surrogate recoveries are below the calibration range or are not reported, and elevated reporting limits (RLs) are provided.

Method(s) 8270D_LL_PAH: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for batch 680-347120 were outside control limits. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample (LCS) recovery was within acceptance limits.

Method(s) 8270D_LL_PAH: Manual integration was performed on the following sample(s): CV0268A-CS-0-4''-DUP (680-104727-10).

Several analytes have recoveries outside criteria low for the MS and MSD of sample CV0815B-CS-0-4'' (680-104727-9) in batch 680-347120.

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

Refer to the QC report for details.

Samples CV0815B-CS-0-4'' (680-104727-9)[20X] and CV0268A-CS-0-4''-DUP (680-104727-10)[20X] required dilution prior to analysis. The reporting limits have been adjusted accordingly.

METALS (ICP)

Samples CV0268A-CS-0-4'' (680-104727-1), CV0323A-CS-0-4'' (680-104727-2), CV0222B-CS-0-4'' (680-104727-3), CV1067A-CS-0-4'' (680-104727-4), CV1357B-CS-0-4'' (680-104727-5), HP0098B-CS-0-4'' (680-104727-6), HP0237A-CS-0-4'' (680-104727-7), CV0815A-CS-0-4'' (680-104727-8), CV0815B-CS-0-4'' (680-104727-9) and CV0268A-CS-0-4''-DUP (680-104727-10) were analyzed for Metals (ICP) in accordance with EPA SW-846 Method 6010C.

The recoveries for many of the metals compounds are outside criteria for the MS and/or MSD of sample sCV0323A-CS-0-4'' (680-104727-2) and CV0815B-CS-0-4'' (680-104727-9). Refer to the QC report for details.

PERCENT SOLIDS/MOISTURE

Samples CV0268A-CS-0-4'' (680-104727-1), CV0323A-CS-0-4'' (680-104727-2), CV0222B-CS-0-4'' (680-104727-3), CV1067A-CS-0-4'' (680-104727-4), CV1357B-CS-0-4'' (680-104727-5), HP0098B-CS-0-4'' (680-104727-6), HP0237A-CS-0-4'' (680-104727-7), CV0815A-CS-0-4'' (680-104727-8), CV0815B-CS-0-4'' (680-104727-9) and CV0268A-CS-0-4''-DUP (680-104727-10) were analyzed for Percent Solids/Moisture in accordance with TestAmerica SOP.

ATTACHMENT D

QUALIFIED SAMPLE RESULTS

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS

Client Sample ID: CV0268A-CS-0-4''
Lab Sample ID: 680-104727-1
Lab Name: TestAmerica Savannah
Job No.: 680-104727-1
SDG ID.: 680-104727-01
Matrix: Solid
Date Sampled: 08/25/2014 13:25
Reporting Basis: DRY
Date Received: 08/28/2014 09:30
% Solids: 88.5

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7429-90-5	Aluminum	11000	22	11	mg/Kg			1	6010C
7440-38-2	Arsenic	41	2.2	0.66	mg/Kg			1	6010C
7439-89-6	Iron	60000	22	7.8	mg/Kg			1	6010C
7439-92-1	Lead	260	1.1	0.59	mg/Kg			1	6010C

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

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS

Client Sample ID: CV0323A-CS-0-4''
Lab Sample ID: 680-104727-2
Lab Name: TestAmerica Savannah
Job No.: 680-104727-1
SDG ID.: 680-104727-01
Matrix: Solid
Date Sampled: 08/25/2014 14:20
Reporting Basis: DRY
Date Received: 08/28/2014 09:30
% Solids: 89.9

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7429-90-5	Aluminum	11000	21	11	mg/Kg			1	6010C
7440-38-2	Arsenic	26	2.1	0.63	mg/Kg			1	6010C
7439-89-6	Iron	49000	21	7.4	mg/Kg			1	6010C
7439-92-1	Lead	280	1.1	0.56	mg/Kg			1	6010C

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1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS

Client Sample ID: CV0222B-CS-0-4''
Lab Sample ID: 680-104727-3
Lab Name: TestAmerica Savannah
Job No.: 680-104727-1
SDG ID.: 680-104727-01
Matrix: Solid
Date Sampled: 08/25/2014 14:55
Reporting Basis: DRY
Date Received: 08/28/2014 09:30
% Solids: 90.3

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7429-90-5	Aluminum	12000	22	11	mg/Kg			1	6010C
7440-38-2	Arsenic	33	2.2	0.64	mg/Kg			1	6010C
7439-89-6	Iron	37000	22	7.6	mg/Kg			1	6010C
7439-92-1	Lead	110	1.1	0.58	mg/Kg			1	6010C

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

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS

Client Sample ID: CV1067A-CS-0-4''
Lab Sample ID: 680-104727-4
Lab Name: TestAmerica Savannah
Job No.: 680-104727-1
SDG ID.: 680-104727-01
Matrix: Solid
Date Sampled: 08/25/2014 15:30
Reporting Basis: DRY
Date Received: 08/28/2014 09:30
% Solids: 89.1

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7429-90-5	Aluminum	12000	22	11	mg/Kg			1	6010C
7440-38-2	Arsenic	24	2.2	0.65	mg/Kg			1	6010C
7439-89-6	Iron	46000	22	7.7	mg/Kg			1	6010C
7439-92-1	Lead	300	1.1	0.58	mg/Kg			1	6010C

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

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS

Client Sample ID: CV1357B-CS-0-4''
Lab Sample ID: 680-104727-5
Lab Name: TestAmerica Savannah
Job No.: 680-104727-1
SDG ID.: 680-104727-01
Matrix: Solid
Date Sampled: 08/25/2014 15:55
Reporting Basis: DRY
Date Received: 08/28/2014 09:30
% Solids: 91.1

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7429-90-5	Aluminum	12000	20	9.9	mg/Kg			1	6010C
7440-38-2	Arsenic	26	2.0	0.58	mg/Kg			1	6010C
7439-89-6	Iron	45000	20	6.9	mg/Kg			1	6010C
7439-92-1	Lead	340	0.99	0.52	mg/Kg			1	6010C

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

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS

Client Sample ID: HP0098B-CS-0-4''
Lab Sample ID: 680-104727-6
Lab Name: TestAmerica Savannah
Job No.: 680-104727-1
SDG ID.: 680-104727-01
Matrix: Solid
Date Sampled: 08/25/2014 16:15
Reporting Basis: DRY
Date Received: 08/28/2014 09:30
% Solids: 90.5

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7429-90-5	Aluminum	18000	21	10	mg/Kg			1	6010C
7440-38-2	Arsenic	44	2.1	0.61	mg/Kg			1	6010C
7439-89-6	Iron	75000	21	7.2	mg/Kg			1	6010C
7439-92-1	Lead	190	1.0	0.55	mg/Kg			1	6010C

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

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS

Client Sample ID: HP0237A-CS-0-4''
Lab Sample ID: 680-104727-7
Lab Name: TestAmerica Savannah
Job No.: 680-104727-1
SDG ID.: 680-104727-01
Matrix: Solid
Date Sampled: 08/25/2014 16:40
Reporting Basis: DRY
Date Received: 08/28/2014 09:30
% Solids: 93.0

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7429-90-5	Aluminum	20000	20	10	mg/Kg			1	6010C
7440-38-2	Arsenic	25	2.0	0.59	mg/Kg			1	6010C
7439-89-6	Iron	45000	20	7.0	mg/Kg			1	6010C
7439-92-1	Lead	190	1.0	0.53	mg/Kg			1	6010C

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

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS

Client Sample ID: CV0815A-CS-0-4''
Lab Sample ID: 680-104727-8
Lab Name: TestAmerica Savannah
Job No.: 680-104727-1
SDG ID.: 680-104727-01
Matrix: Solid
Date Sampled: 08/25/2014 17:00
Reporting Basis: DRY
Date Received: 08/28/2014 09:30
% Solids: 88.8

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7429-90-5	Aluminum	11000	21	11	mg/Kg			1	6010C
7440-38-2	Arsenic	18	2.1	0.62	mg/Kg			1	6010C
7439-89-6	Iron	41000	21	7.4	mg/Kg			1	6010C
7439-92-1	Lead	49	1.1	0.56	mg/Kg			1	6010C

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

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS

Client Sample ID: CV0815B-CS-0-4''
Lab Sample ID: 680-104727-9
Lab Name: TestAmerica Savannah
Job No.: 680-104727-1
SDG ID.: 680-104727-01
Matrix: Solid
Date Sampled: 08/25/2014 17:15
Reporting Basis: DRY
Date Received: 08/28/2014 09:30
% Solids: 90.4

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7429-90-5	Aluminum	8900	20	10	mg/Kg			1	6010C
7440-38-2	Arsenic	20	2.0	0.60	mg/Kg		J	1	6010C
7439-89-6	Iron	41000	20	7.1	mg/Kg			1	6010C
7439-92-1	Lead	67	1.0	0.54	mg/Kg			1	6010C

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

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS

Client Sample ID: CV0268A-CS-0-4"-DUP

Lab Sample ID: 680-104727-10

Lab Name: TestAmerica Savannah

Job No.: 680-104727-1

SDG ID.: 680-104727-01

Matrix: Solid

Date Sampled: 08/25/2014 13:25

Reporting Basis: DRY

Date Received: 08/28/2014 09:30

% Solids: 89.8

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7429-90-5	Aluminum	9300	21	11	mg/Kg			1	6010C
7440-38-2	Arsenic	38	2.1	0.62	mg/Kg			1	6010C
7439-89-6	Iron	52000	21	7.4	mg/Kg			1	6010C
7439-92-1	Lead	290	1.1	0.56	mg/Kg			1	6010C

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

Data Validation Checklist
Semivolatile Organic Analyses

Project:	35TH Avenue Superfund Site	Project No:	15263756.20000
Laboratory:	TestAmerica - Savannah, GA	Job ID.:	680-104727-1
Method:	SW-846 8270D Low-Level (PAH)	Associated Samples:	Refer to **Attachment A** (Sample Summary)
Matrix:	Soil	Date(s) Collected:	08/25/2014
Reviewer:	Karen M Trujillo, URS Group, Inc.	Date:	02/09/2015
Concurrence[1]:	Martha Meyers-Lee, URS Group, Inc.	Date:	02/10/2015

Review Questions	Yes	No	N/A	Samples (Analytes) Affected/Comments	Flag
1. Were sample storage and preservation requirements met? If temperature >6°C, then J/UJ flag results.	✓				
2. Were all COC records signed and integrity seals intact, indicating that COC was maintained for all samples?	✓				
3. Were there any problems noted in laboratory data package concerning condition of samples upon receipt?		✓			
4. Do any soil samples contain more than 50% water? If yes, then results are to be reported on a wet-weight basis.		✓			
5. Were holding times met (≤7 and 14 days from collection to extraction for aqueous and solid samples, respectively; ≤40 days from extraction to analysis)? If not, then J/UJ flag sample results. If grossly (2x) exceeded, then flag J/R.	✓				
6. Were results for all project-specified target analytes reported?	✓				
7. Were project-specified Reporting Limits achieved for undiluted sample analyses?	✓				
8. Were samples with analyte concentrations exceeding the calibration range of the instrument re-analyzed at a higher dilution? If not, then J flag sample result.			✓		
9. Was a method blank extracted with each batch (i.e., one per 20 samples, per batch, per matrix and per level)?	✓				
10. Were target analytes detected in the method blank?		✓			
11. Are equipment/rinsate blanks associated with every sample? If no, note in DV report.		✓		According to the QAPP, a rinsate blank is to be collected after each decontamination event, which occurs once per week per the client. A rinsate blank is not associated with this sampling event.	

[1] Independent technical reviewer

Data Validation Checklist (Continued)

Review Questions	Yes	No	N/A	Samples (Analytes) Affected/Comments	Flag
12. Were target analytes detected in equipment/rinsate blanks?			✓		
13. Were analytes detected in samples below the blank contamination action level? If yes, U flag positive sample results <5x associated blank concentration (10x for common blank contaminants – phthalates)			✓	Blank contamination does not exist.	
14. Is a field duplicate associated with this Job?	✓			A field duplicate (CV0268A-CS-0-4-DUP", 680-104727-10) was collected at location CV0268A-CS-0-4" for a PAH and metals analyses; however, the primary sample (680-104727-1) was only analyzed for metals.	
15. Was precision deemed acceptable as defined by the project plans?			✓		
16. Were DFTPP ion abundance criteria (i.e., Table 3 of SW-846 8270D) met? If no, professional judgment may be applied to determine to what extent the data may be utilized.	✓			Alternate tuning criteria were used by the laboratory (i.e., EPA Method 525.2). All ion abundance criteria were met per EPA Method 525.2.	
17. Were samples analyzed within 12 hours of the DFTPP tune? If no, professional judgment may be applied to determine to what extent the data may be utilized.	✓				
18. Were initial and continuing calibration standards analyzed at the proper frequency for each instrument? • Ensure that a minimum of five standards are used for the initial calibration. If no, use professional judgment to determine the effect on the data and note in the reviewer narrative. • An initial calibration is to be associated with each sample analysis. • A continuing calibration standard is to be analyzed for every 12 hours of sample analysis per instrument.	✓			• Instrument ID: CMSK • Initial Calibration: 09/03/2014 • ICV: 09/03/14 @ 15:04	
19. Were calibration results within laboratory/project specifications? • ICAL (Criteria: $\leq$20 mean %RSD ($\leq$50% for poor performers), OR r$\geq$0.995, OR $r^2 \geq 0.99$, and RRF $\geq$0.050 ($\geq$0.010 for poor performers)): o If %RSD>20 (>50% for poor performers), or r <0.995, or r^2 <0.995, then J flag positive results and UJ flag non-detects o If mean RRF <0.050 (<0.010 for poor performers), then J flag positive results and R flag non-detects	✓				

Data Validation Checklist (Continued)

Review Questions	Yes	No	N/A	Samples (Analytes) Affected/Comments	Flag
(unless the lab analyzed a detectability check standard) • ICV and CCV (ICV Criteria: ≤ ±30%D; CCV Criteria: ≤ ±20%D (≤50% for poor performers) and RF ≥0.050 (≥0.010 for poor performers)): o If %D> Control Limit (>50% for poor performers), then J flag positive results and UJ flag non-detects o If RF <0.050 (<0.010 for poor performers), then UJ flag non-detected semivolatile target compounds					
20. Was a LCS prepared for each batch and matrix?	✓				
21. Were LCS recoveries within lab control limits? If no, J flag positive results when %R >Upper Control Limit (UCL) and J/R flag results when %R <Lower Control Limit (LCL).	✓				
22. Were LCS/LCSD RPD within lab specifications? If no, J flag positive results and UJ flag non-detects			✓	LCS Only	
23. Was a MS/MSD pair extracted at the proper frequency (one per 20 samples per batch)?	✓				
24. Is the MS/MSD parent sample a project-specific sample?	✓			Prep Batch 346745: 680-104727-9 (CV0815B-CS-0-4"), MS/MSD	
25. Were MS/MSD recoveries within laboratory/project specifications? *Only QC results for project samples that are reported under this Job ID are evaluated.* • If the native sample concentration > 4x spiking level, then an evaluation of interference is not possible. • If either MS or MSD recovery meets control limits, qualification of data is not warranted. • MS and MSD %R<10: J and R Flag positive and ND results, respectively • MS and MSD %R >10 and <LCL: J Flag positive and UJ flag non-detect results • MS and MSD R% >UCL (or 140): J Flag positive results		✓		The recovery of the MS and MSD were less than 10% during analysis of CV0815B-CS-0-4" (refer to **Attachment B**). All analytes highlighted yellow in Attachment B were detected in the sample CV0815B-CS-0-4", and results are J flagged.	J
26. Were laboratory criteria met for precision during the MS/MSD analysis? *Only QC results for project samples that are reported under this Job ID are evaluated.* • If the native sample concentration > 4x spiking level, then an evaluation of interference is not possible. • If %RPD > UCL, J flag positive result and UJ flag non-detect result	✓				

Data Validation Checklist (Continued)

Review Questions	Yes	No	N/A	Samples (Analytes) Affected/Comments	Flag
27. Were surrogate recoveries within lab/project specifications? • If %R for 1 Acid or BN surrogates <10, then J flag positive and R flag non-detect associated sample results (i.e., acid or BN results) • If 2 or more Acid or BN %R >UCL, then J flag positive associated sample results (i.e., acid or BN results) • If 2 or more Acid or BN %R ≥10%, but <LCL, then J flag positive and UJ flag non-detect associated sample results (i.e., acid or BN results) • If 2 or more Acid or BN , with 1 %R >UCL and 1 %R ≥10%, but <LCL, then J flag positive and UJ flag non-detect associated sample results (i.e., acid or BN results)		✓		Surrogate o-terphenyl was not recovered (0%) during the diluted analysis of samples 680-104727-9 and -10. Qualification of sample results is not warranted, as the surrogate compound was diluted out of the samples.	
28. Were internal standard (IS) results within lab/project specifications? • If IS area counts are less than 50% of the midpoint calibration standard, then J flag positive and UJ flag non-detect associated sample results • If IS area counts are greater than 100% of the midpoint calibration standard, then J flag positive results • If extremely low area counts are reported or performance exhibits a major abrupt drop-off, then a severe loss of sensitivity is indicated, J flag positive and R flag non-detect results • If retention time of the sample's internal standard is not within 30 seconds of the associated calibration standard, R flag associated data. • The chromatographic profile for that sample must be examined to determine if any false positives or negatives exists. For shifts of large magnitude, the reviewer may consider partial or total rejection of the data for that sample fraction. Positive results need not be qualified as R, if mass spectral criteria are met.	✓				
29. Were lab comments included in report?	✓			Refer to **Attachment C** (Case Narrative)	

Data Validation Checklist (Continued)

Review Questions	Yes	No	N/A	Samples (Analytes) Affected/Comments	Flag
Comments: The data validation was conducted in accordance with the *Non-Industrial Use Property Sampling Event QAPP for the 35th Avenue Removal Site, Birmingham, Alabama, Revision 1* (OTIE, October 2012). The data review process was modeled after the *USEPA Contract Laboratory Program (CLP) National Functional Guidelines (NFG) for Organic Methods Data Review* (EPA, October 1999) and *USEPA CLP NFG for Low Concentration Organic Methods Data Review* (EPA, June 2001). Sample results have been qualified based on the results of the data review process (**Attachment D**). Criteria for acceptability of data were based upon available site information, analytical method requirements, guidance documents, and professional judgment.					

DV Flag Definitions:

J The analyte was positively identified; the associated numerical value is the approximate concentration of the analyte in the sample.
R The sample results are unusable. The analyte may or may not be present in the sample.
U The analyte was analyzed for, but was not detected above the associated level; blank contamination may exist.
UJ The analyte was not detected above the limit, and the limit is approximate and may be inaccurate or imprecise.

ATTACHMENT A

SAMPLE SUMMARY

SAMPLE SUMMARY

Client: Oneida Total Integrated Enterprises LLC

Job Number: 680-104727-1
Sdg Number: 680-104727-01

Lab Sample ID	Client Sample ID	Client Matrix	Date/Time Sampled	Date/Time Received
680-104727-1	CV0268A-CS-0-4"	Solid	08/25/2014 1325	08/28/2014 0930
680-104727-2	CV0323A-CS-0-4"	Solid	08/25/2014 1420	08/28/2014 0930
680-104727-2MS	CV0323A-CS-0-4"	Solid	08/25/2014 1420	08/28/2014 0930
680-104727-2MSD	CV0323A-CS-0-4"	Solid	08/25/2014 1420	08/28/2014 0930
680-104727-3	CV0222B-CS-0-4"	Solid	08/25/2014 1455	08/28/2014 0930
680-104727-4	CV1067A-CS-0-4"	Solid	08/25/2014 1530	08/28/2014 0930
680-104727-5	CV1357B-CS-0-4"	Solid	08/25/2014 1555	08/28/2014 0930
680-104727-6	HP0098B-CS-0-4"	Solid	08/25/2014 1615	08/28/2014 0930
680-104727-7	HP0237A-CS-0-4"	Solid	08/25/2014 1640	08/28/2014 0930
680-104727-8	CV0815A-CS-0-4"	Solid	08/25/2014 1700	08/28/2014 0930
680-104727-9	CV0815B-CS-0-4"	Solid	08/25/2014 1715	08/28/2014 0930
680-104727-9MS	CV0815B-CS-0-4"	Solid	08/25/2014 1715	08/28/2014 0930
680-104727-9MSD	CV0815B-CS-0-4"	Solid	08/25/2014 1715	08/28/2014 0930
680-104727-10	CV0268A-CS-0-4"-DUP	Solid	08/25/2014 1325	08/28/2014 0930

ATTACHMENT B

MATRIX SPIKE/MATRIX SPIKE DUPLICATE RESULTS

FORM III
GC/MS SEMI VOA MATRIX SPIKE RECOVERY

Lab Name: TestAmerica Savannah Job No.: 680-104727-1

SDG No.: 680-104727-01

Matrix: Solid Level: Low Lab File ID: 1KI0313.D

Lab ID: 680-104727-9 MS Client ID: CV0815B-CS-0-4'' MS

COMPOUND	SPIKE ADDED (ug/Kg)	SAMPLE CONCENTRATION (ug/Kg)	MS CONCENTRATION (ug/Kg)	MS % REC	QC LIMITS REC	#
Acenaphthene	369	230	186	-13	33-130	F1
Acenaphthylene	369	150 U	169	46	37-131	
Anthracene	369	520	193	-90	42-146	F1
Benzo[a]anthracene	369	1500	282	-327	39-157	4
Benzo[a]pyrene	369	1200	270	-239	41-158	F1
Benzo[b]fluoranthene	369	1400	331	-298	35-152	F1
Benzo[g,h,i]perylene	369	450	238	-56	32-150	F1
Benzo[k]fluoranthene	369	760	240	-141	38-148	F1
Chrysene	369	1400	300	-297	38-147	F1
Dibenz(a,h)anthracene	369	170	199	9	32-155	F1
Fluoranthene	369	2700	366	-636	36-147	4
Fluorene	369	200	187	-4	36-138	F1
Indeno[1,2,3-cd]pyrene	369	440	242	-52	35-148	F1
1-Methylnaphthalene	369	150 U	192	52	36-130	
2-Methylnaphthalene	369	77 J	175	27	42-130	F1
Naphthalene	369	200	191	-2	33-130	F1
Phenanthrene	369	1800	276	-424	40-135	4
Pyrene	369	2000	308	-468	38-145	4

Column to be used to flag recovery and RPD values

FORM III 8270D_LL_PAH

FORM III
GC/MS SEMI VOA MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: TestAmerica Savannah Job No.: 680-104727-1

SDG No.: 680-104727-01

Matrix: Solid Level: Low Lab File ID: 1KI0314.D

Lab ID: 680-104727-9 MSD Client ID: CV0815B-CS-0-4'' MSD

COMPOUND	SPIKE ADDED (ug/Kg)	MSD CONCENTRATION (ug/Kg)	MSD % REC	% RPD	QC LIMITS RPD	QC LIMITS REC	#
Acenaphthene	369	228	-2	20	50	33-130	F1
Acenaphthylene	369	212	58	22	50	37-131	
Anthracene	369	245	-76	23	50	42-146	F1
Benzo[a]anthracene	369	367	-304	26	50	39-157	4
Benzo[a]pyrene	369	349	-218	26	50	41-158	F1
Benzo[b]fluoranthene	369	460	-263	33	50	35-152	F1
Benzo[g,h,i]perylene	369	282	-44	17	50	32-150	F1
Benzo[k]fluoranthene	369	293	-127	20	50	38-148	F1
Chrysene	369	401	-270	29	50	38-147	F1
Dibenz(a,h)anthracene	369	216	14	8	50	32-155	F1
Fluoranthene	369	456	-611	22	50	36-147	4
Fluorene	369	231	7	21	50	36-138	F1
Indeno[1,2,3-cd]pyrene	369	257	-48	6	50	35-148	F1
1-Methylnaphthalene	369	238	65	21	50	36-130	
2-Methylnaphthalene	369	238	44	30	50	42-130	
Naphthalene	369	219	6	14	50	33-130	F1
Phenanthrene	369	328	-410	17	50	40-135	4
Pyrene	369	472	-424	42	50	38-145	4

Column to be used to flag recovery and RPD values

FORM III 8270D_LL_PAH

ATTACHMENT C

CASE NARRATIVE

CASE NARRATIVE
Client: Oneida Total Integrated Enterprises LLC
Project: 35th Avenue Superfund Site
Report Number: 680-104727-1

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 the event of interference or analytes present at high concentrations, samples may be diluted. For diluted samples, the reporting limits are adjusted relative to the dilution required.

No additional analytical or quality issues were noted, other than those described below or in the Definitions/Glossary page.

RECEIPT

The samples were received on 08/28/2014; the samples arrived in good condition, properly preserved and on ice. The temperature of the coolers at receipt was 2.0 C.

SEMIVOLATILE ORGANIC COMPOUNDS (GC/MS) LOW LEVEL PAH

Samples CV0815B-CS-0-4'' (680-104727-9) and CV0268A-CS-0-4''-DUP (680-104727-10) were analyzed for Semivolatile Organic Compounds (GC/MS) Low level PAH in accordance with EPA SW846 Method 8270D.

Method(s) 8270D_LL_PAH: The following sample(s) was diluted due to the nature of the sample matrix : CV0268A-CS-0-4''-DUP (680-104727-10), CV0815B-CS-0-4'' (680-104727-9), CV0815B-CS-0-4'' (680-104727-9 MS), CV0815B-CS-0-4'' (680-104727-9 MSD). As such, surrogate recoveries are below the calibration range or are not reported, and elevated reporting limits (RLs) are provided.

Method(s) 8270D_LL_PAH: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for batch 680-347120 were outside control limits. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample (LCS) recovery was within acceptance limits.

Method(s) 8270D_LL_PAH: Manual integration was performed on the following sample(s): CV0268A-CS-0-4''-DUP (680-104727-10).

Several analytes have recoveries outside criteria low for the MS and MSD of sample CV0815B-CS-0-4'' (680-104727-9) in batch 680-347120.

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

Refer to the QC report for details.

Samples CV0815B-CS-0-4'' (680-104727-9)[20X] and CV0268A-CS-0-4''-DUP (680-104727-10)[20X] required dilution prior to analysis. The reporting limits have been adjusted accordingly.

METALS (ICP)

Samples CV0268A-CS-0-4'' (680-104727-1), CV0323A-CS-0-4'' (680-104727-2), CV0222B-CS-0-4'' (680-104727-3), CV1067A-CS-0-4'' (680-104727-4), CV1357B-CS-0-4'' (680-104727-5), HP0098B-CS-0-4'' (680-104727-6), HP0237A-CS-0-4'' (680-104727-7), CV0815A-CS-0-4'' (680-104727-8), CV0815B-CS-0-4'' (680-104727-9) and CV0268A-CS-0-4''-DUP (680-104727-10) were analyzed for Metals (ICP) in accordance with EPA SW-846 Method 6010C.

The recoveries for many of the metals compounds are outside criteria for the MS and/or MSD of sample sCV0323A-CS-0-4'' (680-104727-2) and CV0815B-CS-0-4'' (680-104727-9). Refer to the QC report for details.

PERCENT SOLIDS/MOISTURE

Samples CV0268A-CS-0-4'' (680-104727-1), CV0323A-CS-0-4'' (680-104727-2), CV0222B-CS-0-4'' (680-104727-3), CV1067A-CS-0-4'' (680-104727-4), CV1357B-CS-0-4'' (680-104727-5), HP0098B-CS-0-4'' (680-104727-6), HP0237A-CS-0-4'' (680-104727-7), CV0815A-CS-0-4'' (680-104727-8), CV0815B-CS-0-4'' (680-104727-9) and CV0268A-CS-0-4''-DUP (680-104727-10) were analyzed for Percent Solids/Moisture in accordance with TestAmerica SOP.

ATTACHMENT D

QUALIFIED SAMPLE RESULTS

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Savannah | Job No.: 680-104727-1

SDG No.: 680-104727-01

Client Sample ID: CV0815B-CS-0-4'' | Lab Sample ID: 680-104727-9

Matrix: Solid | Lab File ID: 1KI0315.D

Analysis Method: 8270D_LL_PAH | Date Collected: 08/25/2014 17:15

Extract. Method: 3546 | Date Extracted: 08/30/2014 10:36

Sample wt/vol: 30.01(g) | Date Analyzed: 09/03/2014 17:51

Con. Extract Vol.: 1(mL) | Dilution Factor: 20

Injection Volume: 2(uL) | Level: (low/med) Low

% Moisture: 9.6 | GPC Cleanup:(Y/N) N

Analysis Batch No.: 347120 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
83-32-9	Acenaphthene	230	J	150	73
208-96-8	Acenaphthylene	150	U	150	73
120-12-7	Anthracene	520	J	150	73
56-55-3	Benzo[a]anthracene	1500		150	73
50-32-8	Benzo[a]pyrene	1200	J	150	27
205-99-2	Benzo[b]fluoranthene	1400	J	150	73
191-24-2	Benzo[g,h,i]perylene	450	J	150	73
207-08-9	Benzo[k]fluoranthene	760	J	150	44
218-01-9	Chrysene	1400	J	150	73
53-70-3	Dibenz(a,h)anthracene	170	J	150	73
206-44-0	Fluoranthene	2700		150	73
86-73-7	Fluorene	200	J	150	73
193-39-5	Indeno[1,2,3-cd]pyrene	440	J	150	73
90-12-0	1-Methylnaphthalene	150	U	150	69
91-57-6	2-Methylnaphthalene	77	J	150	73
91-20-3	Naphthalene	200	J	150	73
85-01-8	Phenanthrene	1800		150	53
129-00-0	Pyrene	2000		150	73

CAS NO.	SURROGATE	%REC	Q	LIMITS
84-15-1	o-Terphenyl	0	D	36-131

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

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Savannah | Job No.: 680-104727-1

SDG No.: 680-104727-01

Client Sample ID: CV0268A-CS-0-4"-DUP | Lab Sample ID: 680-104727-10

Matrix: Solid | Lab File ID: 1KI0316.D

Analysis Method: 8270D_LL_PAH | Date Collected: 08/25/2014 13:25

Extract. Method: 3546 | Date Extracted: 08/30/2014 10:36

Sample wt/vol: 30.01(g) | Date Analyzed: 09/03/2014 18:15

Con. Extract Vol.: 1(mL) | Dilution Factor: 20

Injection Volume: 2(uL) | Level: (low/med) Low

% Moisture: 10.2 | GPC Cleanup:(Y/N) N

Analysis Batch No.: 347120 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
83-32-9	Acenaphthene	150	U	150	73
208-96-8	Acenaphthylene	150	U	150	73
120-12-7	Anthracene	150	U	150	73
56-55-3	Benzo[a]anthracene	290		150	73
50-32-8	Benzo[a]pyrene	240		150	27
205-99-2	Benzo[b]fluoranthene	430		150	73
191-24-2	Benzo[g,h,i]perylene	160		150	73
207-08-9	Benzo[k]fluoranthene	160		150	45
218-01-9	Chrysene	350		150	73
53-70-3	Dibenz(a,h)anthracene	150	U	150	73
206-44-0	Fluoranthene	380		150	73
86-73-7	Fluorene	150	U	150	73
193-39-5	Indeno[1,2,3-cd]pyrene	140	J	150	73
90-12-0	1-Methylnaphthalene	150	U	150	69
91-57-6	2-Methylnaphthalene	150	U	150	73
91-20-3	Naphthalene	150	U	150	73
85-01-8	Phenanthrene	130	J	150	53
129-00-0	Pyrene	340		150	73

CAS NO.	SURROGATE	%REC	Q	LIMITS
84-15-1	o-Terphenyl	0	D	36-131

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

ANALYTICAL REPORT

Job Number: 680-104727-1

SDG Number: 680-104727-01

Job Description: 35th Avenue Superfund Site

For:
Oneida Total Integrated Enterprises LLC
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Attention: Ms. Limari F Krebs

Approved for release.
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Project Manager II
9/10/2014 11:03 AM

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CASE NARRATIVE
Client: Oneida Total Integrated Enterprises LLC
Project: 35th Avenue Superfund Site
Report Number: 680-104727-1

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 the event of interference or analytes present at high concentrations, samples may be diluted. For diluted samples, the reporting limits are adjusted relative to the dilution required.

No additional analytical or quality issues were noted, other than those described below or in the Definitions/Glossary page.

RECEIPT

The samples were received on 08/28/2014; the samples arrived in good condition, properly preserved and on ice. The temperature of the coolers at receipt was 2.0 C.

SEMIVOLATILE ORGANIC COMPOUNDS (GC/MS) LOW LEVEL PAH

Samples CV0815B-CS-0-4'' (680-104727-9) and CV0268A-CS-0-4''-DUP (680-104727-10) were analyzed for Semivolatile Organic Compounds (GC/MS) Low level PAH in accordance with EPA SW846 Method 8270D.

Method(s) 8270D_LL_PAH: The following sample(s) was diluted due to the nature of the sample matrix : CV0268A-CS-0-4''-DUP (680-104727-10), CV0815B-CS-0-4'' (680-104727-9), CV0815B-CS-0-4'' (680-104727-9 MS), CV0815B-CS-0-4'' (680-104727-9 MSD). As such, surrogate recoveries are below the calibration range or are not reported, and elevated reporting limits (RLs) are provided.

Method(s) 8270D_LL_PAH: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for batch 680-347120 were outside control limits. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample (LCS) recovery was within acceptance limits.

Method(s) 8270D_LL_PAH: Manual integration was performed on the following sample(s): CV0268A-CS-0-4''-DUP (680-104727-10).

Several analytes have recoveries outside criteria low for the MS and MSD of sample CV0815B-CS-0-4'' (680-104727-9) in batch 680-347120.

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

Refer to the QC report for details.

Samples CV0815B-CS-0-4'' (680-104727-9)[20X] and CV0268A-CS-0-4''-DUP (680-104727-10)[20X] required dilution prior to analysis. The reporting limits have been adjusted accordingly.

METALS (ICP)

Samples CV0268A-CS-0-4'' (680-104727-1), CV0323A-CS-0-4'' (680-104727-2), CV0222B-CS-0-4'' (680-104727-3), CV1067A-CS-0-4'' (680-104727-4), CV1357B-CS-0-4'' (680-104727-5), HP0098B-CS-0-4'' (680-104727-6), HP0237A-CS-0-4'' (680-104727-7), CV0815A-CS-0-4'' (680-104727-8), CV0815B-CS-0-4'' (680-104727-9) and CV0268A-CS-0-4''-DUP (680-104727-10) were analyzed for Metals (ICP) in accordance with EPA SW-846 Method 6010C.

The recoveries for many of the metals compounds are outside criteria for the MS and/or MSD of sample sCV0323A-CS-0-4'' (680-104727-2) and CV0815B-CS-0-4'' (680-104727-9). Refer to the QC report for details.

PERCENT SOLIDS/MOISTURE

Samples CV0268A-CS-0-4'' (680-104727-1), CV0323A-CS-0-4'' (680-104727-2), CV0222B-CS-0-4'' (680-104727-3), CV1067A-CS-0-4'' (680-104727-4), CV1357B-CS-0-4'' (680-104727-5), HP0098B-CS-0-4'' (680-104727-6), HP0237A-CS-0-4'' (680-104727-7), CV0815A-CS-0-4'' (680-104727-8), CV0815B-CS-0-4'' (680-104727-9) and CV0268A-CS-0-4''-DUP (680-104727-10) were analyzed for Percent Solids/Moisture in accordance with TestAmerica SOP.

SAMPLE SUMMARY

Client: Oneida Total Integrated Enterprises LLC

Job Number: 680-104727-1
Sdg Number: 680-104727-01

Lab Sample ID	Client Sample ID	Client Matrix	Date/Time Sampled	Date/Time Received
680-104727-1	CV0268A-CS-0-4"	Solid	08/25/2014 1325	08/28/2014 0930
680-104727-2	CV0323A-CS-0-4"	Solid	08/25/2014 1420	08/28/2014 0930
680-104727-2MS	CV0323A-CS-0-4"	Solid	08/25/2014 1420	08/28/2014 0930
680-104727-2MSD	CV0323A-CS-0-4"	Solid	08/25/2014 1420	08/28/2014 0930
680-104727-3	CV0222B-CS-0-4"	Solid	08/25/2014 1455	08/28/2014 0930
680-104727-4	CV1067A-CS-0-4"	Solid	08/25/2014 1530	08/28/2014 0930
680-104727-5	CV1357B-CS-0-4"	Solid	08/25/2014 1555	08/28/2014 0930
680-104727-6	HP0098B-CS-0-4"	Solid	08/25/2014 1615	08/28/2014 0930
680-104727-7	HP0237A-CS-0-4"	Solid	08/25/2014 1640	08/28/2014 0930
680-104727-8	CV0815A-CS-0-4"	Solid	08/25/2014 1700	08/28/2014 0930
680-104727-9	CV0815B-CS-0-4"	Solid	08/25/2014 1715	08/28/2014 0930
680-104727-9MS	CV0815B-CS-0-4"	Solid	08/25/2014 1715	08/28/2014 0930
680-104727-9MSD	CV0815B-CS-0-4"	Solid	08/25/2014 1715	08/28/2014 0930
680-104727-10	CV0268A-CS-0-4"-DUP	Solid	08/25/2014 1325	08/28/2014 0930

METHOD SUMMARY

Client: Oneida Total Integrated Enterprises LLC

Job Number: 680-104727-1
Sdg Number: 680-104727-01

Description	Lab Location	Method	Preparation Method
Matrix: Solid			
Semivolatile Organic Compounds (GC/MS) Low level PAH	TAL SAV	SW846 8270D_LL_PAH	
Microwave Extraction	TAL SAV		SW846 3546
Metals (ICP)	TAL SAV	SW846 6010C	
Preparation, Metals	TAL SAV		SW846 3050B
Percent Moisture	TAL SAV	EPA Moisture	

Lab References:

TAL SAV = TestAmerica Savannah

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: 680-104727-1
Sdg Number: 680-104727-01

Method	Analyst	Analyst ID
SW846 8270D_LL_PAH	Moore, Ron A	RAM
SW846 6010C	Bland, Brian C	BCB
EPA Moisture	Longworth, Hazel M	HML

DATA REPORTING QUALIFIERS

Client: Oneida Total Integrated Enterprises LLC

Job Number: 680-104727-1
Sdg Number: 680-104727-01

Lab Section	Qualifier	Description
GC/MS Semi VOA		
	U	Indicates the analyte was analyzed for but not detected.
	F1	MS and/or MSD Recovery exceeds the control limits
	4	MS, MSD: The analyte present in the original sample is greater than 4 times the matrix spike concentration; therefore, control limits are not applicable.
	J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
	D	Sample results are obtained from a dilution; the surrogate or matrix spike recoveries reported are calculated from diluted samples.
Metals		
	U	Indicates the analyte was analyzed for but not detected.
	F1	MS and/or MSD Recovery exceeds the control limits
	4	MS, MSD: The analyte present in the original sample is greater than 4 times the matrix spike concentration; therefore, control limits are not applicable.
	F2	MS/MSD RPD exceeds control limits
	J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

Client: Oneida Total Integrated Enterprises LLC

Job Number: 680-104727-1
Sdg Number: 680-104727-01

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
GC/MS Semi VOA					
Prep Batch: 680-346745					
LCS 680-346745/8-A	Lab Control Sample	T	Solid	3546	
MB 680-346745/7-A	Method Blank	T	Solid	3546	
680-104727-9	CV0815B-CS-0-4"	T	Solid	3546	
680-104727-9MS	Matrix Spike	T	Solid	3546	
680-104727-9MSD	Matrix Spike Duplicate	T	Solid	3546	
680-104727-10	CV0268A-CS-0-4"-DUP	T	Solid	3546	
Analysis Batch:680-347120					
LCS 680-346745/8-A	Lab Control Sample	T	Solid	8270D_LL_PAH	680-346745
MB 680-346745/7-A	Method Blank	T	Solid	8270D_LL_PAH	680-346745
680-104727-9	CV0815B-CS-0-4"	T	Solid	8270D_LL_PAH	680-346745
680-104727-9MS	Matrix Spike	T	Solid	8270D_LL_PAH	680-346745
680-104727-9MSD	Matrix Spike Duplicate	T	Solid	8270D_LL_PAH	680-346745
680-104727-10	CV0268A-CS-0-4"-DUP	T	Solid	8270D_LL_PAH	680-346745

Report Basis
T = Total

Client: Oneida Total Integrated Enterprises LLC

Job Number: 680-104727-1
Sdg Number: 680-104727-01

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
Metals					
Prep Batch: 680-346548					
LCS 680-346548/2-A	Lab Control Sample	T	Solid	3050B	
MB 680-346548/1-A	Method Blank	T	Solid	3050B	
680-104727-1	CV0268A-CS-0-4"	T	Solid	3050B	
680-104727-2	CV0323A-CS-0-4"	T	Solid	3050B	
680-104727-2MS	Matrix Spike	T	Solid	3050B	
680-104727-2MSD	Matrix Spike Duplicate	T	Solid	3050B	
680-104727-3	CV0222B-CS-0-4"	T	Solid	3050B	
680-104727-4	CV1067A-CS-0-4"	T	Solid	3050B	
680-104727-5	CV1357B-CS-0-4"	T	Solid	3050B	
680-104727-6	HP0098B-CS-0-4"	T	Solid	3050B	
680-104727-7	HP0237A-CS-0-4"	T	Solid	3050B	
680-104727-8	CV0815A-CS-0-4"	T	Solid	3050B	
680-104727-9	CV0815B-CS-0-4"	T	Solid	3050B	
680-104727-9MS	Matrix Spike	T	Solid	3050B	
680-104727-9MSD	Matrix Spike Duplicate	T	Solid	3050B	
680-104727-10	CV0268A-CS-0-4"-DUP	T	Solid	3050B	
Analysis Batch:680-346763					
LCS 680-346548/2-A	Lab Control Sample	T	Solid	6010C	680-346548
MB 680-346548/1-A	Method Blank	T	Solid	6010C	680-346548
680-104727-1	CV0268A-CS-0-4"	T	Solid	6010C	680-346548
680-104727-2	CV0323A-CS-0-4"	T	Solid	6010C	680-346548
680-104727-2MS	Matrix Spike	T	Solid	6010C	680-346548
680-104727-2MSD	Matrix Spike Duplicate	T	Solid	6010C	680-346548
680-104727-3	CV0222B-CS-0-4"	T	Solid	6010C	680-346548
680-104727-4	CV1067A-CS-0-4"	T	Solid	6010C	680-346548
680-104727-5	CV1357B-CS-0-4"	T	Solid	6010C	680-346548
680-104727-6	HP0098B-CS-0-4"	T	Solid	6010C	680-346548
680-104727-7	HP0237A-CS-0-4"	T	Solid	6010C	680-346548
680-104727-8	CV0815A-CS-0-4"	T	Solid	6010C	680-346548
680-104727-9	CV0815B-CS-0-4"	T	Solid	6010C	680-346548
680-104727-9MS	Matrix Spike	T	Solid	6010C	680-346548
680-104727-9MSD	Matrix Spike Duplicate	T	Solid	6010C	680-346548
680-104727-10	CV0268A-CS-0-4"-DUP	T	Solid	6010C	680-346548

Report Basis
T = Total

Client: Oneida Total Integrated Enterprises LLC

Job Number: 680-104727-1
Sdg Number: 680-104727-01

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
General Chemistry					
Analysis Batch:680-346473					
680-104727-1	CV0268A-CS-0-4"	T	Solid	Moisture	
680-104727-2	CV0323A-CS-0-4"	T	Solid	Moisture	
680-104727-3	CV0222B-CS-0-4"	T	Solid	Moisture	
680-104727-4	CV1067A-CS-0-4"	T	Solid	Moisture	
680-104727-5	CV1357B-CS-0-4"	T	Solid	Moisture	
680-104727-6	HP0098B-CS-0-4"	T	Solid	Moisture	
680-104727-7	HP0237A-CS-0-4"	T	Solid	Moisture	
680-104727-8	CV0815A-CS-0-4"	T	Solid	Moisture	
680-104727-9	CV0815B-CS-0-4"	T	Solid	Moisture	
680-104727-9MS	Matrix Spike	T	Solid	Moisture	
680-104727-9MSD	Matrix Spike Duplicate	T	Solid	Moisture	
680-104727-10	CV0268A-CS-0-4"-DUP	T	Solid	Moisture	
Analysis Batch:680-346766					
680-104727-2MSMS	Matrix Spike	T	Solid	Moisture	
680-104727-2MSDMSD	Matrix Spike Duplicate	T	Solid	Moisture	

Report Basis
T = Total

GC/MS SEMI VOA MANUAL INTEGRATION SUMMARY

Lab Name: TestAmerica Savannah Job No.: 680-104727-1

SDG No.: 680-104727-01

Instrument ID: CMSK Analysis Batch Number: 347120

Lab Sample ID: 680-104727-9 Client Sample ID: CV0815B-CS-0-4''

Date Analyzed: 09/03/14 17:51 Lab File ID: 1KI0315.D GC Column: RXi- 5Sil MS ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Benzo[k]fluoranthene	11.13	Split Peak	webbk	09/04/14 12:38

Lab Sample ID: 680-104727-10 Client Sample ID: CV0268A-CS-0-4"-DUP

Date Analyzed: 09/03/14 18:15 Lab File ID: 1KI0316.D GC Column: RXi- 5Sil MS ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Benzo[k]fluoranthene	11.13	Split Peak	webbk	09/04/14 12:40

Method 8270D Low Level

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

FORM II
GC/MS SEMI VOA SURROGATE RECOVERY

Lab Name: TestAmerica Savannah Job No.: 680-104727-1

SDG No.: 680-104727-01

Matrix: Solid Level: Low

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

Client Sample ID	Lab Sample ID	OTPH	#
CV0815B-CS-0-4''	680-104727-9	0	D
CV0268A-CS-0-4"-DUP	680-104727-10	0	D
	MB 680-346745/7-A	68	
	LCS 680-346745/8-A	62	
CV0815B-CS-0-4'' MS	680-104727-9 MS	0	D
CV0815B-CS-0-4'' MSD	680-104727-9 MSD	0	D

	QC LIMITS
OTPH = o-Terphenyl	36-131

Column to be used to flag recovery values

FORM II 8270D_LL_PAH

FORM III
GC/MS SEMI VOA LAB CONTROL SAMPLE RECOVERY

Lab Name: TestAmerica Savannah Job No.: 680-104727-1

SDG No.: 680-104727-01

Matrix: Solid Level: Low Lab File ID: 1KI0312.D

Lab ID: LCS 680-346745/8-A Client ID:

COMPOUND	SPIKE ADDED (ug/Kg)	LCS CONCENTRATION (ug/Kg)	LCS % REC	QC LIMITS REC	#
Acenaphthene	333	186	56	33-130	
Acenaphthylene	333	191	58	37-131	
Anthracene	333	207	62	42-146	
Benzo[a]anthracene	333	216	65	39-157	
Benzo[a]pyrene	333	211	64	41-158	
Benzo[b]fluoranthene	333	210	63	35-152	
Benzo[g,h,i]perylene	333	191	57	32-150	
Benzo[k]fluoranthene	333	207	62	38-148	
Chrysene	333	216	65	38-147	
Dibenz(a,h)anthracene	333	196	59	32-155	
Fluoranthene	333	203	61	36-147	
Fluorene	333	197	59	36-138	
Indeno[1,2,3-cd]pyrene	333	189	57	35-148	
1-Methylnaphthalene	333	188	56	36-130	
2-Methylnaphthalene	333	183	55	42-130	
Naphthalene	333	176	53	33-130	
Phenanthrene	333	186	56	40-135	
Pyrene	333	196	59	38-145	

Column to be used to flag recovery and RPD values

FORM III 8270D_LL_PAH

FORM III
GC/MS SEMI VOA MATRIX SPIKE RECOVERY

Lab Name: TestAmerica Savannah Job No.: 680-104727-1

SDG No.: 680-104727-01

Matrix: Solid Level: Low Lab File ID: 1KI0313.D

Lab ID: 680-104727-9 MS Client ID: CV0815B-CS-0-4'' MS

COMPOUND	SPIKE ADDED (ug/Kg)	SAMPLE CONCENTRATION (ug/Kg)	MS CONCENTRATION (ug/Kg)	MS % REC	QC LIMITS REC	#
Acenaphthene	369	230	186	-13	33-130	F1
Acenaphthylene	369	150 U	169	46	37-131	
Anthracene	369	520	193	-90	42-146	F1
Benzo[a]anthracene	369	1500	282	-327	39-157	4
Benzo[a]pyrene	369	1200	270	-239	41-158	F1
Benzo[b]fluoranthene	369	1400	331	-298	35-152	F1
Benzo[g,h,i]perylene	369	450	238	-56	32-150	F1
Benzo[k]fluoranthene	369	760	240	-141	38-148	F1
Chrysene	369	1400	300	-297	38-147	F1
Dibenz(a,h)anthracene	369	170	199	9	32-155	F1
Fluoranthene	369	2700	366	-636	36-147	4
Fluorene	369	200	187	-4	36-138	F1
Indeno[1,2,3-cd]pyrene	369	440	242	-52	35-148	F1
1-Methylnaphthalene	369	150 U	192	52	36-130	
2-Methylnaphthalene	369	77 J	175	27	42-130	F1
Naphthalene	369	200	191	-2	33-130	F1
Phenanthrene	369	1800	276	-424	40-135	4
Pyrene	369	2000	308	-468	38-145	4

Column to be used to flag recovery and RPD values

FORM III 8270D_LL_PAH

FORM III
GC/MS SEMI VOA MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: TestAmerica Savannah Job No.: 680-104727-1

SDG No.: 680-104727-01

Matrix: Solid Level: Low Lab File ID: 1KI0314.D

Lab ID: 680-104727-9 MSD Client ID: CV0815B-CS-0-4'' MSD

COMPOUND	SPIKE ADDED (ug/Kg)	MSD CONCENTRATION (ug/Kg)	MSD % REC	% RPD	QC LIMITS RPD	QC LIMITS REC	#
Acenaphthene	369	228	-2	20	50	33-130	F1
Acenaphthylene	369	212	58	22	50	37-131	
Anthracene	369	245	-76	23	50	42-146	F1
Benzo[a]anthracene	369	367	-304	26	50	39-157	4
Benzo[a]pyrene	369	349	-218	26	50	41-158	F1
Benzo[b]fluoranthene	369	460	-263	33	50	35-152	F1
Benzo[g,h,i]perylene	369	282	-44	17	50	32-150	F1
Benzo[k]fluoranthene	369	293	-127	20	50	38-148	F1
Chrysene	369	401	-270	29	50	38-147	F1
Dibenz(a,h)anthracene	369	216	14	8	50	32-155	F1
Fluoranthene	369	456	-611	22	50	36-147	4
Fluorene	369	231	7	21	50	36-138	F1
Indeno[1,2,3-cd]pyrene	369	257	-48	6	50	35-148	F1
1-Methylnaphthalene	369	238	65	21	50	36-130	
2-Methylnaphthalene	369	238	44	30	50	42-130	
Naphthalene	369	219	6	14	50	33-130	F1
Phenanthrene	369	328	-410	17	50	40-135	4
Pyrene	369	472	-424	42	50	38-145	4

Column to be used to flag recovery and RPD values

FORM III 8270D_LL_PAH

FORM IV
GC/MS SEMI VOA METHOD BLANK SUMMARY

Lab Name: TestAmerica Savannah Job No.: 680-104727-1

SDG No.: 680-104727-01

Lab File ID: 1KI0311.D Lab Sample ID: MB 680-346745/7-A

Matrix: Solid Date Extracted: 08/30/2014 10:36

Instrument ID: CMSK Date Analyzed: 09/03/2014 16:16

Level:(Low/Med) Low

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES:

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
	LCS 680-346745/8-A	1KI0312.D	09/03/2014 16:39
CV0815B-CS-0-4'' MS	680-104727-9 MS	1KI0313.D	09/03/2014 17:03
CV0815B-CS-0-4'' MSD	680-104727-9 MSD	1KI0314.D	09/03/2014 17:27
CV0815B-CS-0-4''	680-104727-9	1KI0315.D	09/03/2014 17:51
CV0268A-CS-0-4"-DUP	680-104727-10	1KI0316.D	09/03/2014 18:15

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

Lab Name: TestAmerica Savannah Job No.: 680-104727-1

SDG No.: 680-104727-01

Lab File ID: 1KI0301.D DFTPP Injection Date: 09/03/2014

Instrument ID: CMSK DFTPP Injection Time: 12:04

Analysis Batch No.: 347120

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
51	10.0 - 80.0 % of mass 442	21.7	
68	Less than 2.0 % of mass 69	0.0	(0.0)1
69	Mass 69 relative abundance	20.6	
70	Less than 2.0 % of mass 69	0.2	(0.8)1
127	10.0 - 80.0 % of mass 442	38.2	
197	Less than 2.0 % of mass 198	0.0	(0.0)2
198	Greater than 50.0 % of mass 442	82.4	
199	5.0 - 9.0 % of mass 198	5.5	(6.7)2
275	10.0 - 60.0 % of mass 442	20.2	
365	Greater than 1.0 % of mass 442	3.0	
441	Present but less than mass 443	16.1	
442	Base Peak, 100% relative abundance	100.0	
443	15.0 - 24.0 % of mass 442	21.2	

1-Value is % mass 69 2-Value is % mass 198

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

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
	ICIS 680-347120/2	1KI0302.D	09/03/2014	12:19
	IC 680-347120/3	1KI0303.D	09/03/2014	12:43
	IC 680-347120/4	1KI0304.D	09/03/2014	13:06
	IC 680-347120/5	1KI0305.D	09/03/2014	13:30
	IC 680-347120/6	1KI0306.D	09/03/2014	13:53
	IC 680-347120/7	1KI0307.D	09/03/2014	14:17
	IC 680-347120/8	1KI0308.D	09/03/2014	14:41
	ICV 680-347120/9	1KI0309.D	09/03/2014	15:04
	MB 680-346745/7-A	1KI0311.D	09/03/2014	16:16
	LCS 680-346745/8-A	1KI0312.D	09/03/2014	16:39
CV0815B-CS-0-4'' MS	680-104727-9 MS	1KI0313.D	09/03/2014	17:03
CV0815B-CS-0-4'' MSD	680-104727-9 MSD	1KI0314.D	09/03/2014	17:27
CV0815B-CS-0-4''	680-104727-9	1KI0315.D	09/03/2014	17:51
CV0268A-CS-0-4"-DUP	680-104727-10	1KI0316.D	09/03/2014	18:15

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

Lab Name: TestAmerica Savannah Job No.: 680-104727-1

SDG No.: 680-104727-01

Sample No.: ICIS 680-347120/2 Date Analyzed: 09/03/2014 12:19

Instrument ID: CMSK GC Column: RXi- 5Sil MS ID: 0.25(mm)

Lab File ID (Standard): 1KI0302.D Heated Purge: (Y/N) N

Calibration ID: 33803

		NPT		ANT		PHN	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
INITIAL CALIBRATION MID-POINT		461429	3.90	221336	5.66	270819	7.26
UPPER LIMIT		922858	4.40	442672	6.16	541638	7.76
LOWER LIMIT		230715	3.40	110668	5.16	135410	6.76
LAB SAMPLE ID	CLIENT SAMPLE ID						
ICV 680-347120/9		492855	3.90	233134	5.66	281766	7.26
MB 680-346745/7-A		482548	3.89	228193	5.66	295745	7.26
LCS 680-346745/8-A		508147	3.90	228757	5.66	290737	7.26
680-104727-9 MS	CV0815B-CS-0-4'' MS	474772	3.90	221416	5.66	277324	7.26
680-104727-9 MSD	CV0815B-CS-0-4'' MSD	553826	3.90	278959	5.66	361200	7.26
680-104727-9	CV0815B-CS-0-4''	532909	3.90	261699	5.66	358278	7.26
680-104727-10	CV0268A-CS-0-4"-DUP	508166	3.90	251872	5.66	336144	7.26

NPT = Naphthalene-d8
ANT = Acenaphthene-d10
PHN = Phenanthrene-d10

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

Column used to flag values outside QC limits

FORM VIII 8270D_LL_PAH

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

Lab Name: TestAmerica Savannah Job No.: 680-104727-1

SDG No.: 680-104727-01

Sample No.: ICIS 680-347120/2 Date Analyzed: 09/03/2014 12:19

Instrument ID: CMSK GC Column: RXi- 5Sil MS ID: 0.25(mm)

Lab File ID (Standard): 1KI0302.D Heated Purge: (Y/N) N

Calibration ID: 33803

		CRY		PRY			
		AREA #	RT #	AREA #	RT #	AREA #	RT #
INITIAL CALIBRATION MID-POINT		197881	10.09	173091	11.49		
UPPER LIMIT		395762	10.59	346182	11.99		
LOWER LIMIT		98941	9.59	86546	10.99		
LAB SAMPLE ID	CLIENT SAMPLE ID						
ICV 680-347120/9		196336	10.09	157648	11.49		
MB 680-346745/7-A		194433	10.09	153473	11.50		
LCS 680-346745/8-A		210450	10.09	174068	11.48		
680-104727-9 MS	CV0815B-CS-0-4'' MS	201138	10.09	176682	11.48		
680-104727-9 MSD	CV0815B-CS-0-4'' MSD	219997	10.09	177639	11.49		
680-104727-9	CV0815B-CS-0-4''	268436	10.09	221419	11.49		
680-104727-10	CV0268A-CS-0-4"-DUP	235122	10.09	198762	11.49		

CRY = Chrysene-d12
PRY = Perylene-d12

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

Column used to flag values outside QC limits

FORM VIII 8270D_LL_PAH

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Savannah | Job No.: 680-104727-1

SDG No.: 680-104727-01

Client Sample ID: CV0815B-CS-0-4'' | Lab Sample ID: 680-104727-9

Matrix: Solid | Lab File ID: 1KI0315.D

Analysis Method: 8270D_LL_PAH | Date Collected: 08/25/2014 17:15

Extract. Method: 3546 | Date Extracted: 08/30/2014 10:36

Sample wt/vol: 30.01(g) | Date Analyzed: 09/03/2014 17:51

Con. Extract Vol.: 1(mL) | Dilution Factor: 20

Injection Volume: 2(uL) | Level: (low/med) Low

% Moisture: 9.6 | GPC Cleanup:(Y/N) N

Analysis Batch No.: 347120 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
83-32-9	Acenaphthene	230		150	73
208-96-8	Acenaphthylene	150	U	150	73
120-12-7	Anthracene	520		150	73
56-55-3	Benzo[a]anthracene	1500		150	73
50-32-8	Benzo[a]pyrene	1200		150	27
205-99-2	Benzo[b]fluoranthene	1400		150	73
191-24-2	Benzo[g,h,i]perylene	450		150	73
207-08-9	Benzo[k]fluoranthene	760		150	44
218-01-9	Chrysene	1400		150	73
53-70-3	Dibenz(a,h)anthracene	170		150	73
206-44-0	Fluoranthene	2700		150	73
86-73-7	Fluorene	200		150	73
193-39-5	Indeno[1,2,3-cd]pyrene	440		150	73
90-12-0	1-Methylnaphthalene	150	U	150	69
91-57-6	2-Methylnaphthalene	77	J	150	73
91-20-3	Naphthalene	200		150	73
85-01-8	Phenanthrene	1800		150	53
129-00-0	Pyrene	2000		150	73

CAS NO.	SURROGATE	%REC	Q	LIMITS
84-15-1	o-Terphenyl	0	D	36-131

TestAmerica Savannah
Target Compound Quantitation Report

Data File:	\\SAVCHROM\ChromData\CMSK\20140903-12465.b\1KI0315.D				
Lims ID:	680-104727-B-9-A	Lab Sample ID:	680-104727-9		
Client ID:	CV0815B-CS-0-4"				
Sample Type:	Client				
Inject. Date:	03-Sep-2014 17:51:30	ALS Bottle#:	15	Worklist Smp#:	15
Injection Vol:	2.0 ul	Dil. Factor:	20.0000		
Sample Info:	680-104727-B-9-A DL=20				
Misc. Info.:	680-0012465-015				
Operator ID:	RM	Instrument ID:	CMSK		
Method:	\\SAVCHROM\ChromData\CMSK\20140903-12465.b\8270_LLPAH_CMSK.m				
Limit Group:	8270D_LL_PAH				
Last Update:	05-Sep-2014 12:01:22	Calib Date:	03-Sep-2014 14:41:30		
Integrator:	RTE	ID Type:	Deconvolution ID		
Quant Method:	Internal Standard	Quant By:	Initial Calibration		
Last ICal File:	\\SAVCHROM\ChromData\CMSK\20140903-12465.b\1KI0308.D				
Column 1 :	Restek RXi-5Sil MS (0.25 mm)		Det: MS SCAN		
Process Host:	XAWRK017				

First Level Reviewer: webbk Date: 04-Sep-2014 10:58:47

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/ml	Flags
* 1 Naphthalene-d8	136	3.895	3.895	0.000	98	532909	2.00	
* 2 Acenaphthene-d10	164	5.663	5.663	0.000	92	261699	2.00	
* 3 Phenanthrene-d10	188	7.261	7.262	-0.001	98	358278	2.00	
* 4 Chrysene-d12	240	10.088	10.088	0.000	99	268436	2.00	
* 5 Perylene-d12	264	11.486	11.492	-0.006	96	221419	2.00	
7 Naphthalene	128	3.912	3.912	0.000	99	74701	0.2678	
9 2-Methylnaphthalene	142	4.582	4.582	0.000	88	17092	0.1050	
8 1-Methylnaphthalene	142	4.682	4.682	0.000	93	9603	0.0629	
12 Acenaphthene	153	5.693	5.693	0.000	95	48784	0.3169	
14 Fluorene	166	6.245	6.245	0.000	96	38500	0.2761	
15 Phenanthrene	178	7.285	7.285	0.000	97	513724	2.49	
16 Anthracene	178	7.344	7.344	0.000	98	133797	0.7107	
17 Fluoranthene	202	8.589	8.589	0.000	98	686131	3.67	
18 Pyrene	202	8.824	8.824	0.000	97	572531	2.76	
19 Benzo[a]anthracene	228	10.076	10.076	0.000	100	283122	2.02	
20 Chrysene	228	10.111	10.111	0.000	98	255416	1.89	
21 Benzo[b]fluoranthene	252	11.110	11.110	0.000	97	261576	1.94	
22 Benzo[k]fluoranthene	252	11.128	11.139	-0.011	97	140203	1.03	M
23 Benzo[a]pyrene	252	11.427	11.433	-0.006	95	187067	1.56	
24 Indeno[1,2,3-cd]pyrene	276	12.743	12.749	-0.006	98	87155	0.5901	
25 Dibenz(a,h)anthracene	278	12.767	12.779	-0.012	94	26107	0.2238	
26 Benzo[g,h,i]perylene	276	13.114	13.125	-0.011	96	72875	0.6047	

QC Flag Legend

Review Flags
M - Manually Integrated

Reagents:

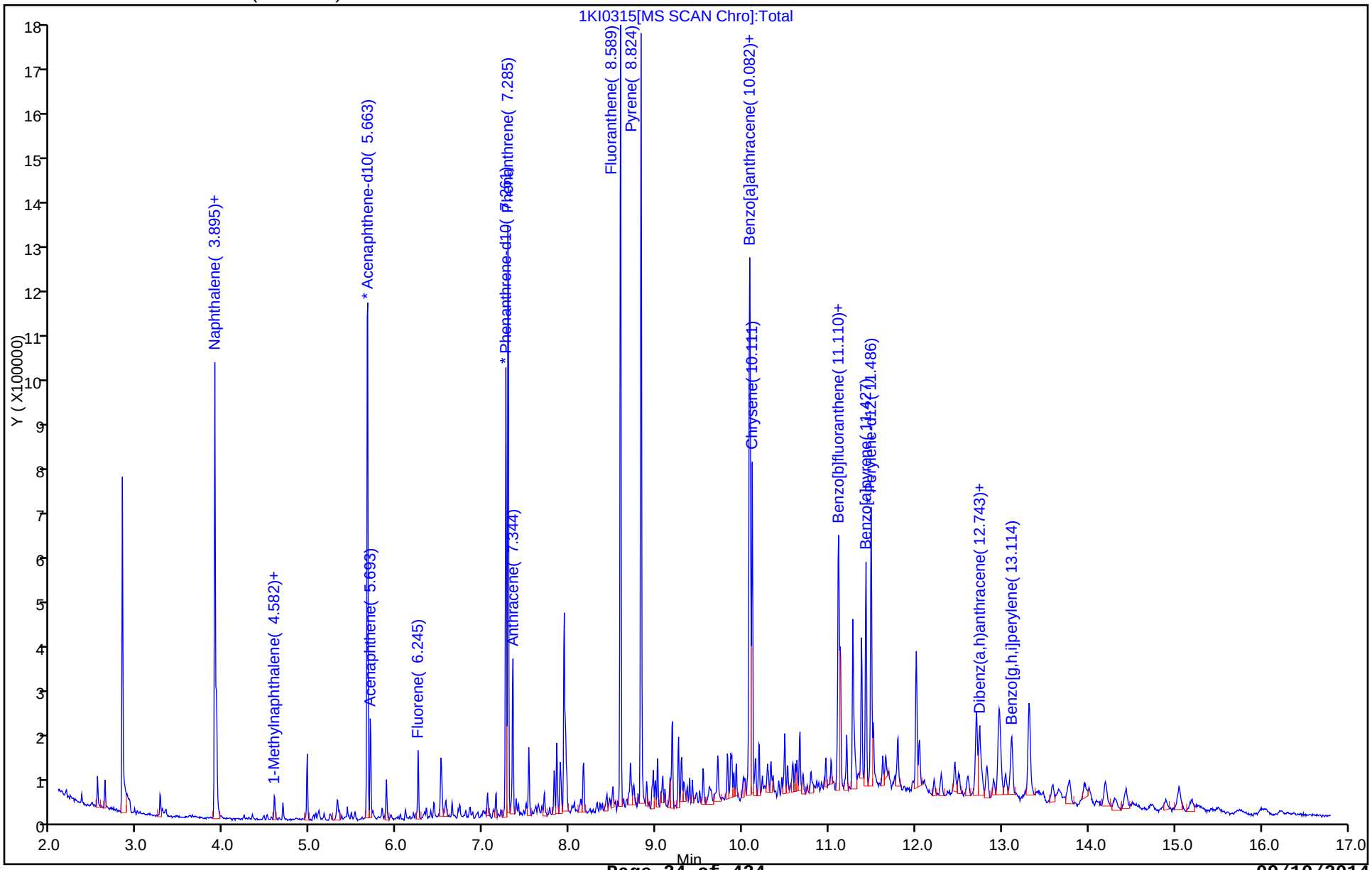
SM-LLISTD_00105 Amount Added: 10.00 Units: uL Run Reagent

Report Date: 05-Sep-2014 12:01:23 Chrom Revision: 2.2 24-Jul-2014 14:43:32

TestAmerica Savannah

Data File:	\\SAVCHROM\ChromData\CMSK\20140903-12465.b\1KI0315.D				
Injection Date:	03-Sep-2014 17:51:30	Instrument ID:	CMSK	Operator ID:	RM
Lims ID:	680-104727-B-9-A	Lab Sample ID:	680-104727-9	Worklist Smp#:	15
Client ID:	CV0815B-CS-0-4"				
Injection Vol:	2.0 ul	Dil. Factor:	20.0000	ALS Bottle#:	15
Method:	8270_LLPAH_CMSK	Limit Group:	8270D_LL_PAH		

Column: Restek RXi-5Sil MS (0.25 mm)

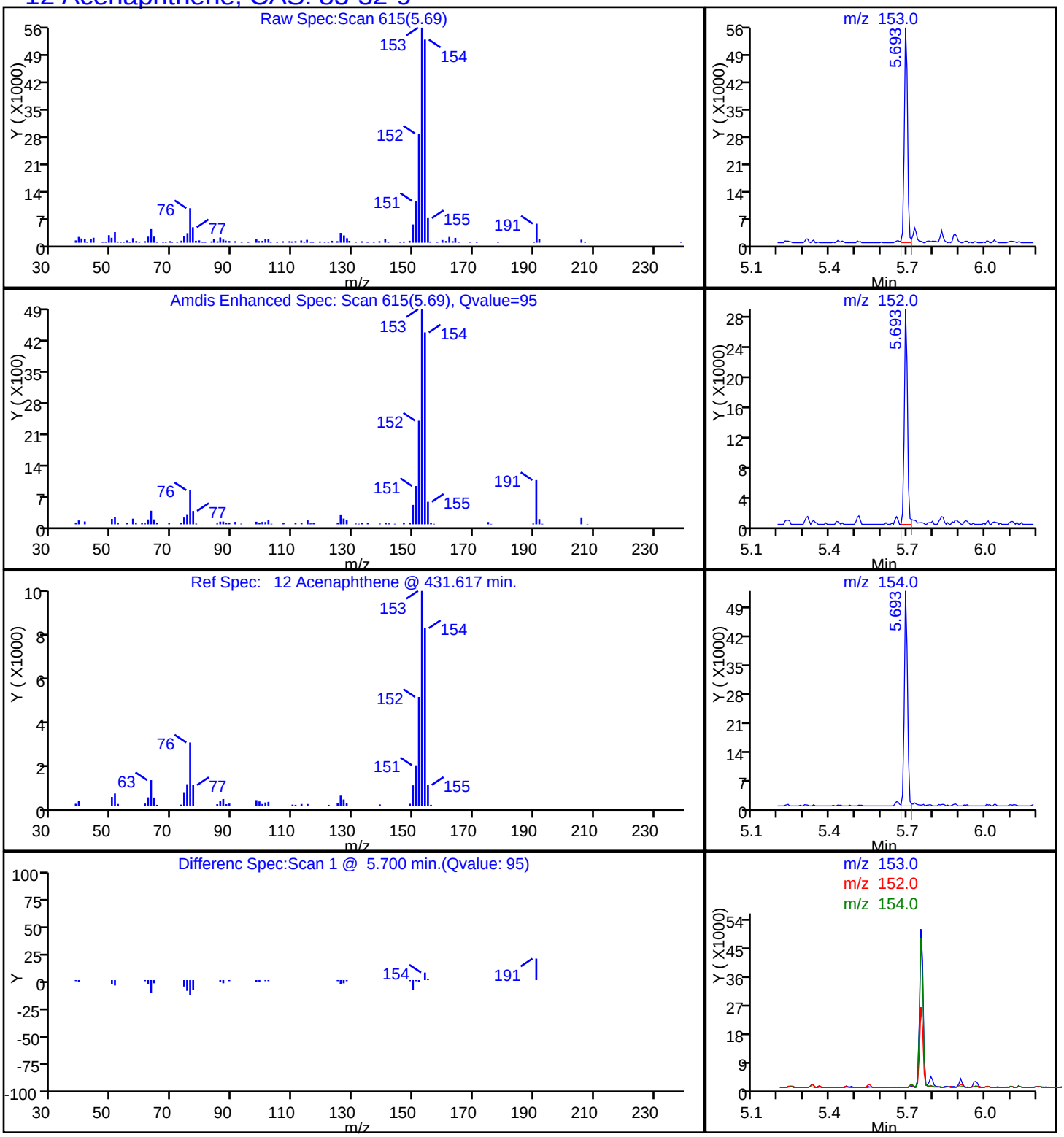


Report Date: 05-Sep-2014 12:01:23 Chrom Revision: 2.2 24-Jul-2014 14:43:32

TestAmerica Savannah

Data File:	\\SAVCHROM\ChromData\CMSK\20140903-12465.b\1KI0315.D				
Injection Date:	03-Sep-2014 17:51:30	Instrument ID:	CMSK		
Lims ID:	680-104727-B-9-A	Lab Sample ID:	680-104727-9		
Client ID:	CV0815B-CS-0-4"				
Operator ID:	RM	ALS Bottle#:	15	Worklist Smp#:	15
Injection Vol:	2.0 ul	Dil. Factor:	20.0000		
Method:	8270_LLPAH_CMSK	Limit Group:	8270D_LL_PAH		
Column:	Restek RXi-5Sil MS (0.25 mm)	Detector	MS SCAN		

12 Acenaphthene, CAS: 83-32-9

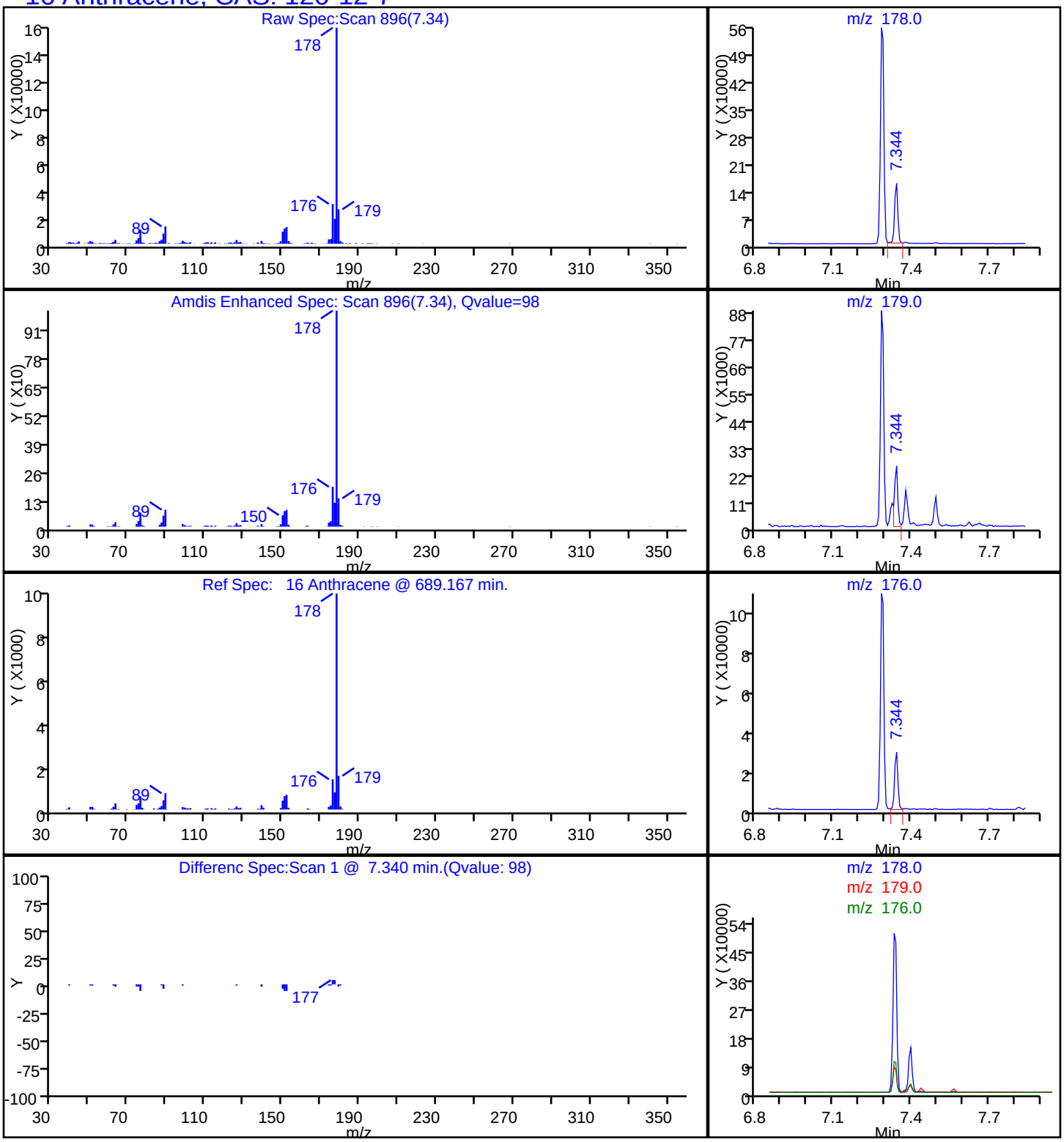


Report Date: 05-Sep-2014 12:01:23 Chrom Revision: 2.2 24-Jul-2014 14:43:32

TestAmerica Savannah

Data File:	\\SAVCHROM\ChromData\CMSK\20140903-12465.b\1KI0315.D				
Injection Date:	03-Sep-2014 17:51:30	Instrument ID:	CMSK		
Lims ID:	680-104727-B-9-A	Lab Sample ID:	680-104727-9		
Client ID:	CV0815B-CS-0-4"				
Operator ID:	RM	ALS Bottle#:	15	Worklist Smp#:	15
Injection Vol:	2.0 ul	Dil. Factor:	20.0000		
Method:	8270_LLPAH_CMSK	Limit Group:	8270D_LL_PAH		
Column:	Restek RXi-5Sil MS (0.25 mm)	Detector	MS SCAN		

16 Anthracene, CAS: 120-12-7

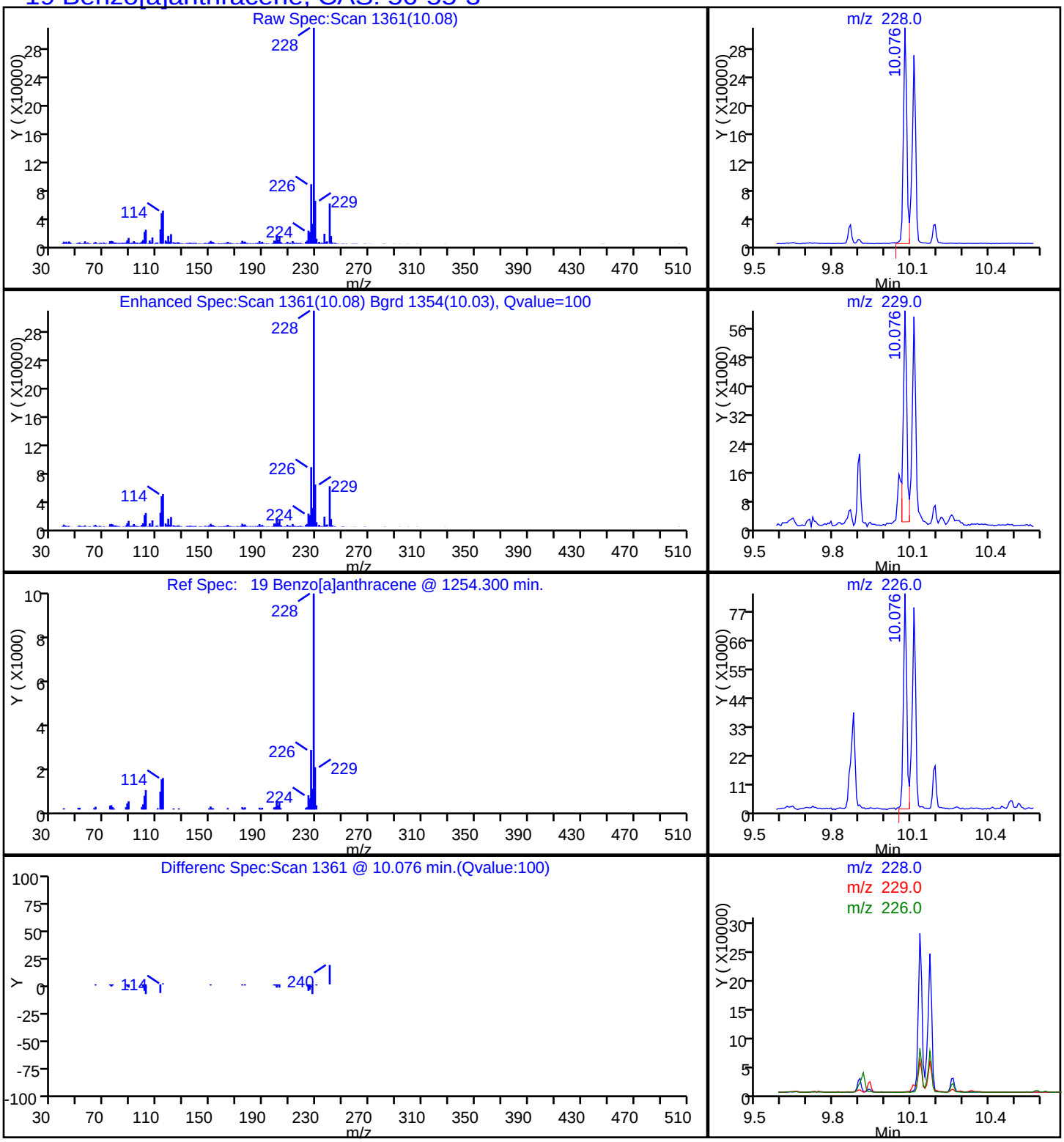


Report Date: 05-Sep-2014 12:01:23 Chrom Revision: 2.2 24-Jul-2014 14:43:32

TestAmerica Savannah

Data File:	\\SAVCHROM\ChromData\CMSK\20140903-12465.b\1KI0315.D				
Injection Date:	03-Sep-2014 17:51:30	Instrument ID:	CMSK		
Lims ID:	680-104727-B-9-A	Lab Sample ID:	680-104727-9		
Client ID:	CV0815B-CS-0-4"				
Operator ID:	RM	ALS Bottle#:	15	Worklist Smp#:	15
Injection Vol:	2.0 ul	Dil. Factor:	20.0000		
Method:	8270_LLPAH_CMSK	Limit Group:	8270D_LL_PAH		
Column:	Restek RXi-5Sil MS (0.25 mm)	Detector	MS SCAN		

19 Benzo[a]anthracene, CAS: 56-55-3

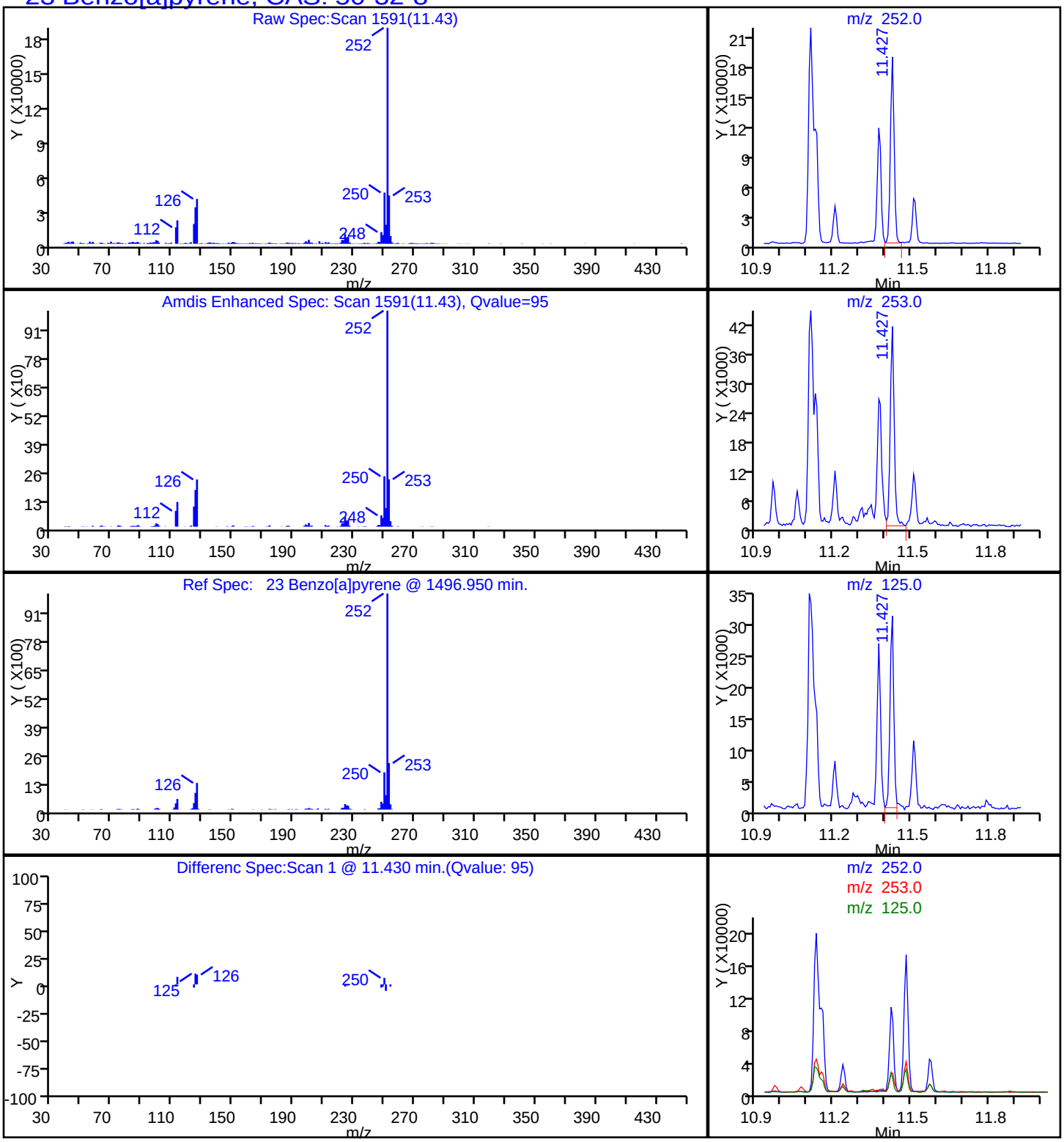


Report Date: 05-Sep-2014 12:01:23 Chrom Revision: 2.2 24-Jul-2014 14:43:32

TestAmerica Savannah

Data File:	\\SAVCHROM\ChromData\CMSK\20140903-12465.b\1KI0315.D				
Injection Date:	03-Sep-2014 17:51:30	Instrument ID:	CMSK		
Lims ID:	680-104727-B-9-A	Lab Sample ID:	680-104727-9		
Client ID:	CV0815B-CS-0-4"				
Operator ID:	RM	ALS Bottle#:	15	Worklist Smp#:	15
Injection Vol:	2.0 ul	Dil. Factor:	20.0000		
Method:	8270_LLPAH_CMSK	Limit Group:	8270D_LL_PAH		
Column:	Restek RXi-5Sil MS (0.25 mm)	Detector	MS SCAN		

23 Benzo[a]pyrene, CAS: 50-32-8

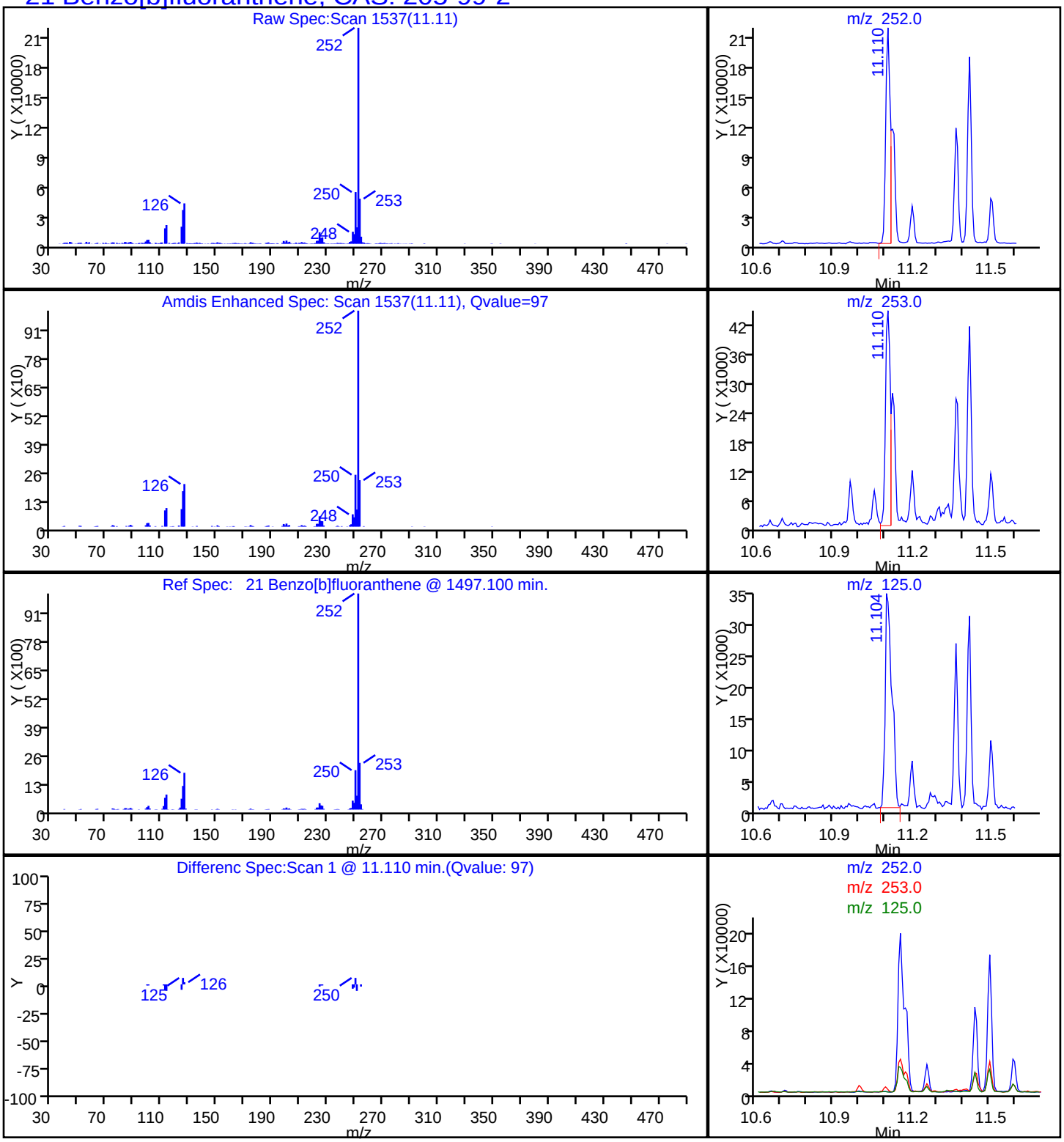


Report Date: 05-Sep-2014 12:01:23 Chrom Revision: 2.2 24-Jul-2014 14:43:32

TestAmerica Savannah

Data File:	\\SAVCHROM\ChromData\CMSK\20140903-12465.b\1KI0315.D				
Injection Date:	03-Sep-2014 17:51:30	Instrument ID:	CMSK		
Lims ID:	680-104727-B-9-A	Lab Sample ID:	680-104727-9		
Client ID:	CV0815B-CS-0-4"				
Operator ID:	RM	ALS Bottle#:	15	Worklist Smp#:	15
Injection Vol:	2.0 ul	Dil. Factor:	20.0000		
Method:	8270_LLPAH_CMSK	Limit Group:	8270D_LL_PAH		
Column:	Restek RXi-5Sil MS (0.25 mm)	Detector	MS SCAN		

21 Benzo[b]fluoranthene, CAS: 205-99-2

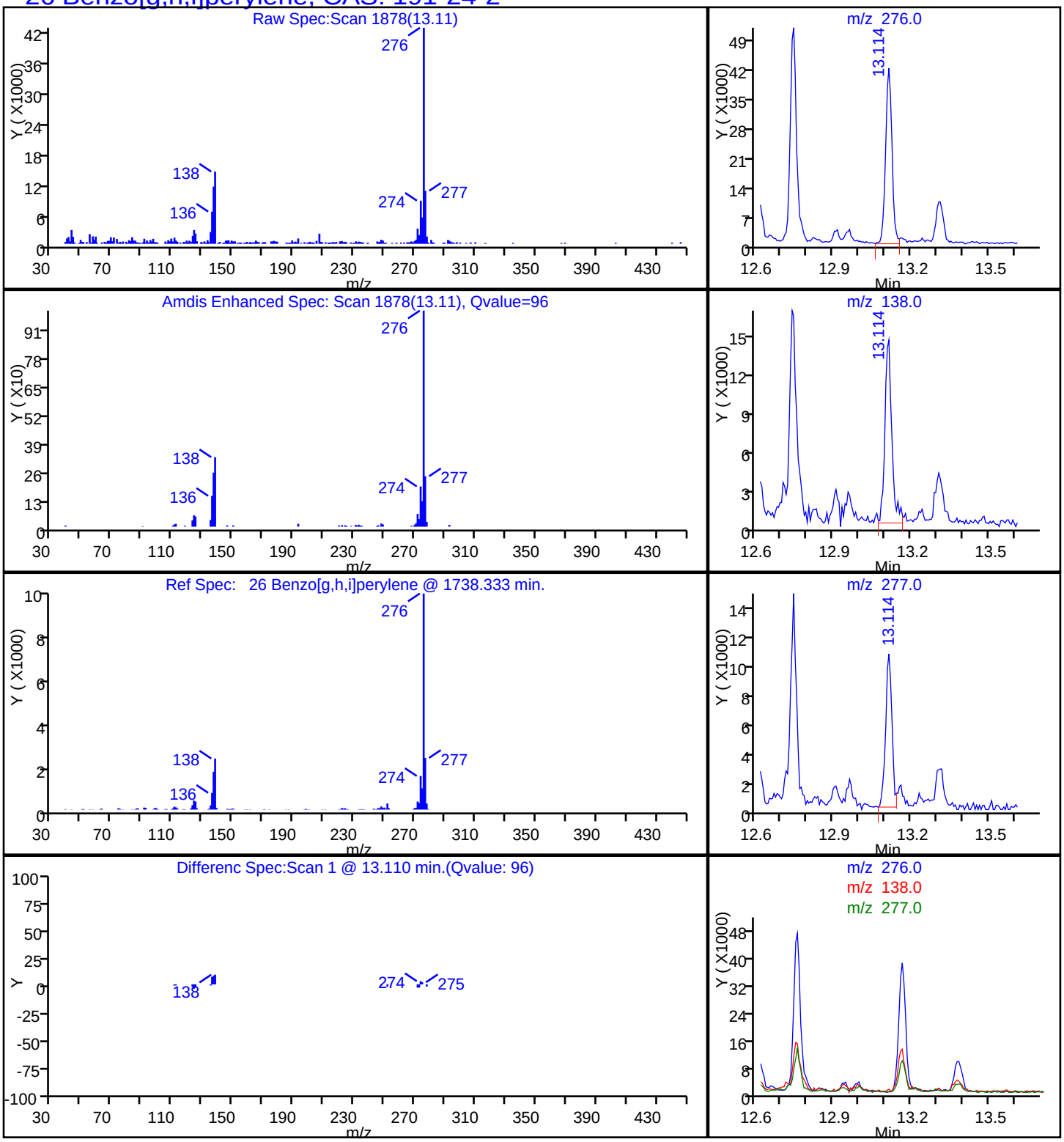


Report Date: 05-Sep-2014 12:01:23 Chrom Revision: 2.2 24-Jul-2014 14:43:32

TestAmerica Savannah

Data File:	\\SAVCHROM\ChromData\CMSK\20140903-12465.b\1KI0315.D				
Injection Date:	03-Sep-2014 17:51:30	Instrument ID:	CMSK		
Lims ID:	680-104727-B-9-A	Lab Sample ID:	680-104727-9		
Client ID:	CV0815B-CS-0-4"				
Operator ID:	RM	ALS Bottle#:	15	Worklist Smp#:	15
Injection Vol:	2.0 ul	Dil. Factor:	20.0000		
Method:	8270_LLPAH_CMSK	Limit Group:	8270D_LL_PAH		
Column:	Restek RXi-5Sil MS (0.25 mm)	Detector	MS SCAN		

26 Benzo[g,h,i]perylene, CAS: 191-24-2

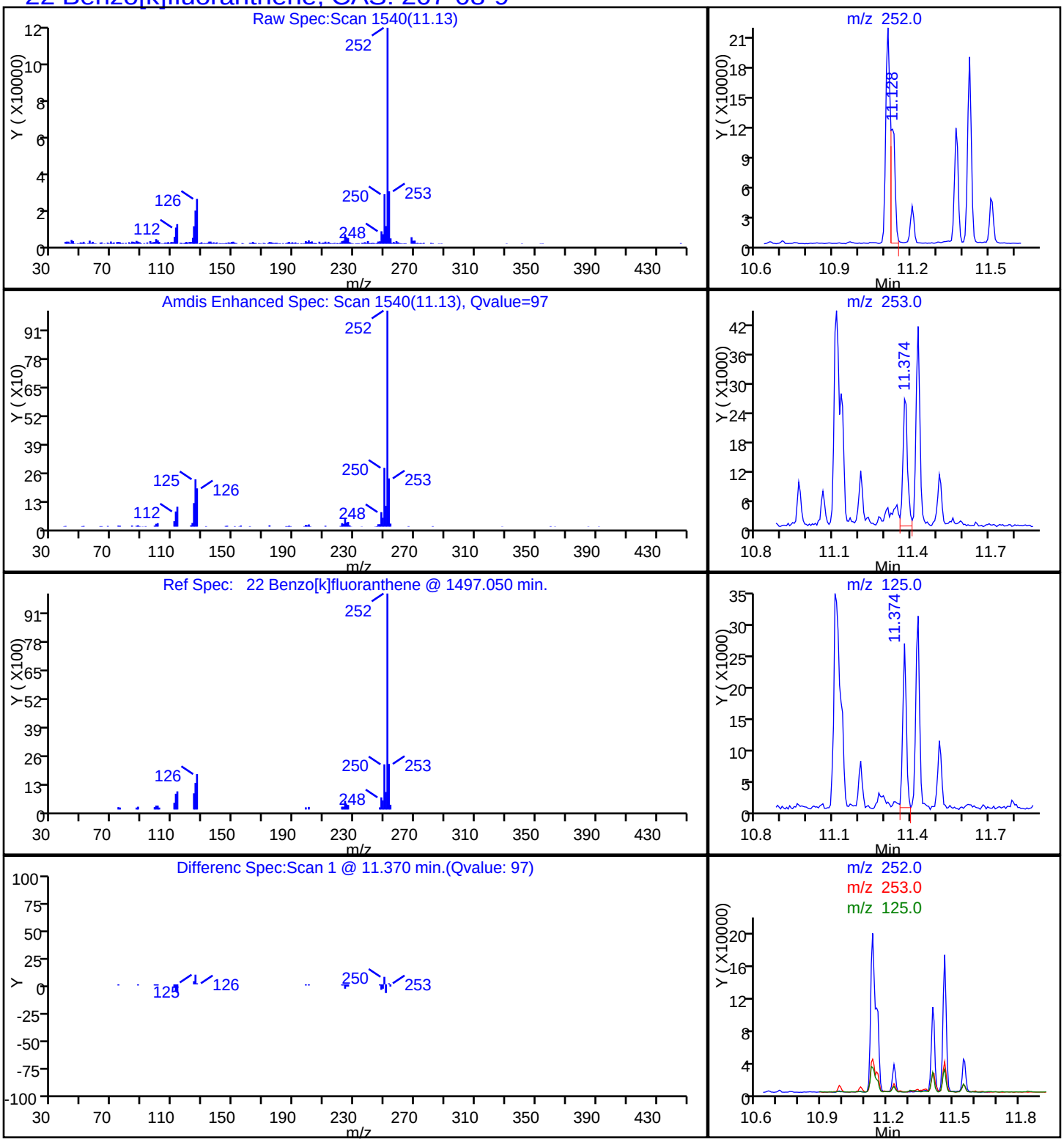


Report Date: 05-Sep-2014 12:01:23 Chrom Revision: 2.2 24-Jul-2014 14:43:32

TestAmerica Savannah

Data File:	\\SAVCHROM\ChromData\CMSK\20140903-12465.b\1KI0315.D				
Injection Date:	03-Sep-2014 17:51:30	Instrument ID:	CMSK		
Lims ID:	680-104727-B-9-A	Lab Sample ID:	680-104727-9		
Client ID:	CV0815B-CS-0-4"				
Operator ID:	RM	ALS Bottle#:	15	Worklist Smp#:	15
Injection Vol:	2.0 ul	Dil. Factor:	20.0000		
Method:	8270_LLPAH_CMSK	Limit Group:	8270D_LL_PAH		
Column:	Restek RXi-5Sil MS (0.25 mm)	Detector	MS SCAN		

22 Benzo[k]fluoranthene, CAS: 207-08-9

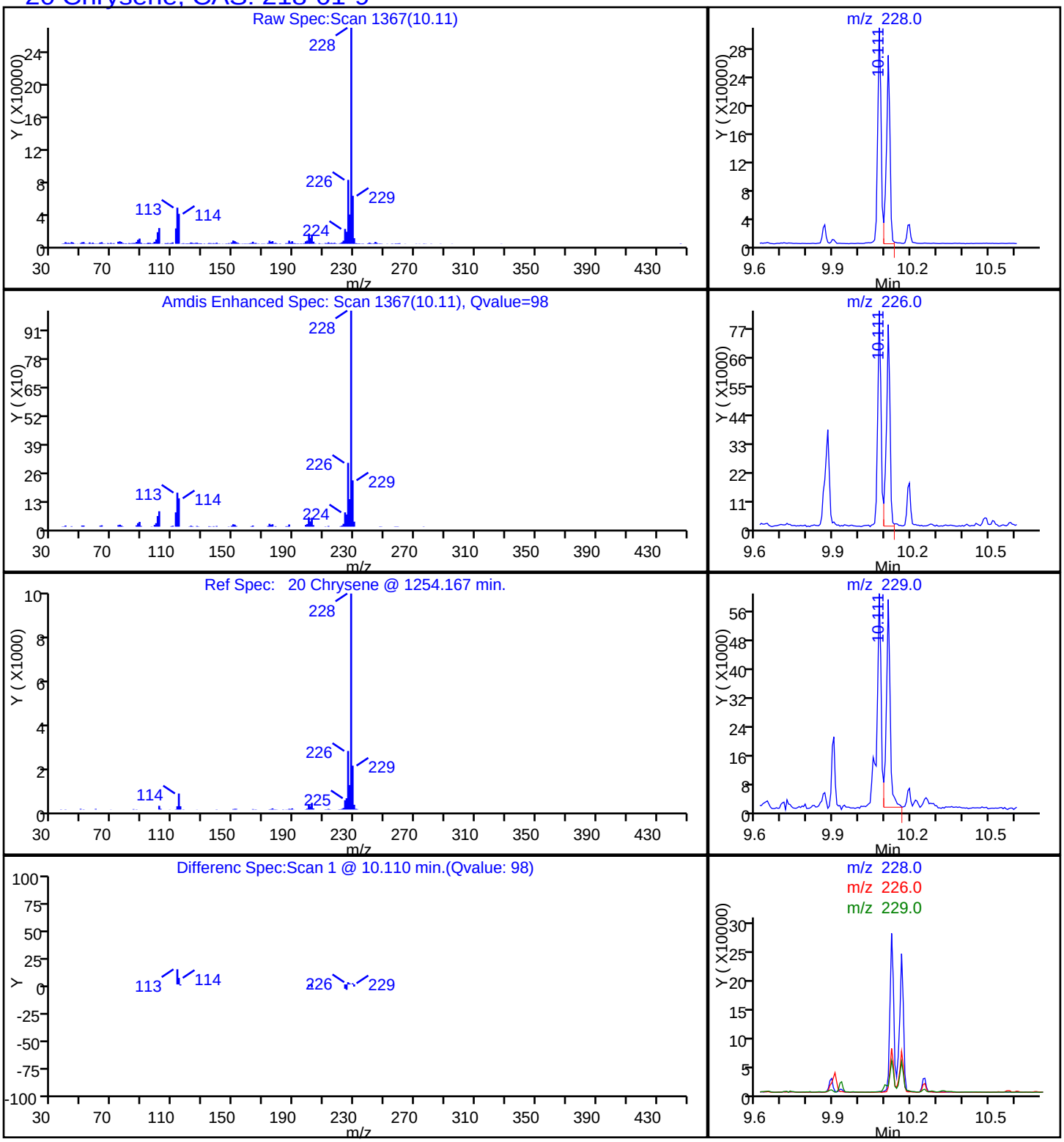


Report Date: 05-Sep-2014 12:01:23 Chrom Revision: 2.2 24-Jul-2014 14:43:32

TestAmerica Savannah

Data File:	\\SAVCHROM\ChromData\CMSK\20140903-12465.b\1KI0315.D				
Injection Date:	03-Sep-2014 17:51:30	Instrument ID:	CMSK		
Lims ID:	680-104727-B-9-A	Lab Sample ID:	680-104727-9		
Client ID:	CV0815B-CS-0-4"				
Operator ID:	RM	ALS Bottle#:	15	Worklist Smp#:	15
Injection Vol:	2.0 ul	Dil. Factor:	20.0000		
Method:	8270_LLPAH_CMSK	Limit Group:	8270D_LL_PAH		
Column:	Restek RXi-5Sil MS (0.25 mm)	Detector	MS SCAN		

20 Chrysene, CAS: 218-01-9

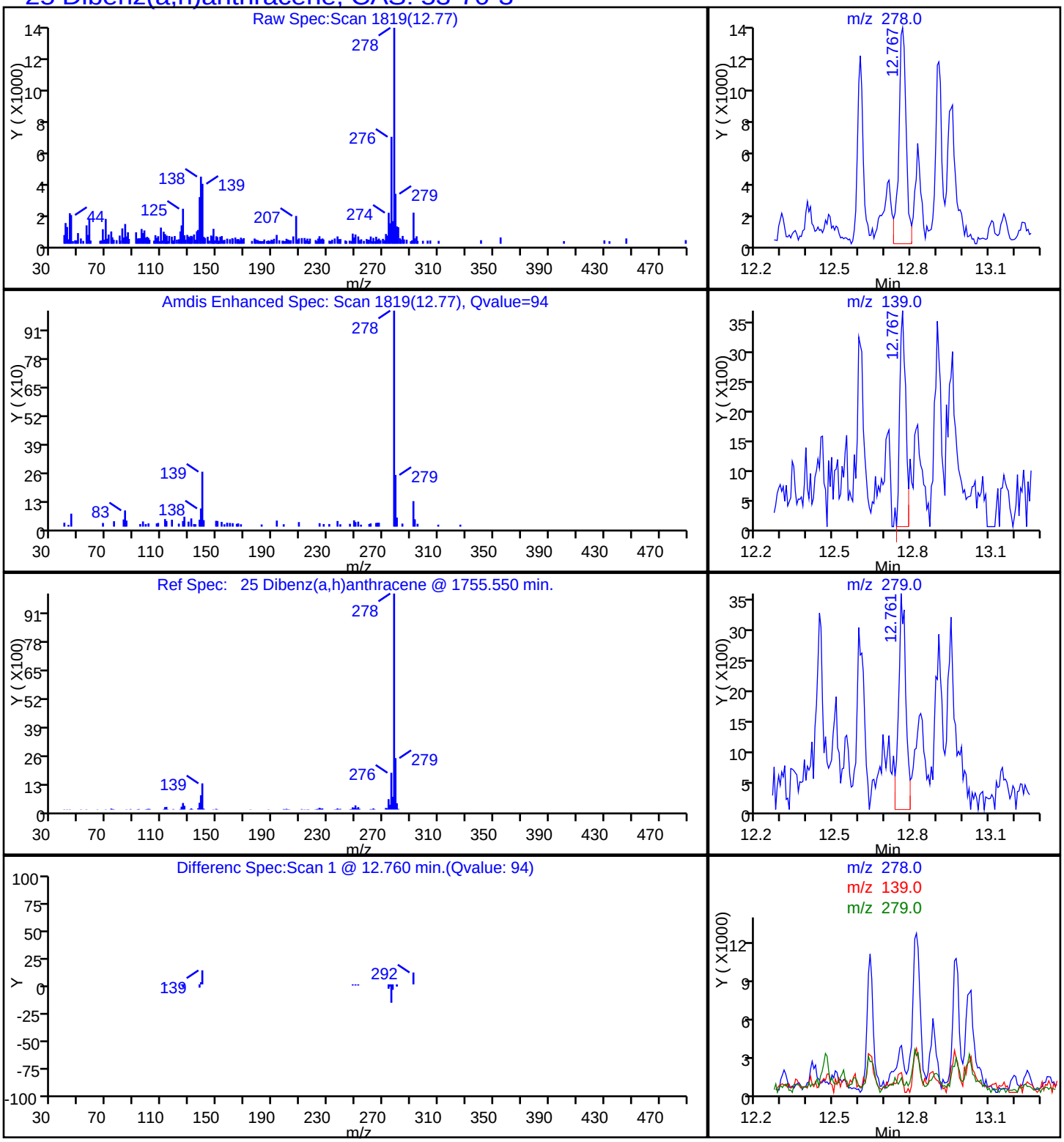


Report Date: 05-Sep-2014 12:01:23 Chrom Revision: 2.2 24-Jul-2014 14:43:32

TestAmerica Savannah

Data File:	\\SAVCHROM\ChromData\CMSK\20140903-12465.b\1KI0315.D				
Injection Date:	03-Sep-2014 17:51:30	Instrument ID:	CMSK		
Lims ID:	680-104727-B-9-A	Lab Sample ID:	680-104727-9		
Client ID:	CV0815B-CS-0-4"				
Operator ID:	RM	ALS Bottle#:	15	Worklist Smp#:	15
Injection Vol:	2.0 ul	Dil. Factor:	20.0000		
Method:	8270_LLPAH_CMSK	Limit Group:	8270D_LL_PAH		
Column:	Restek RXi-5Sil MS (0.25 mm)	Detector	MS SCAN		

25 Dibenz(a,h)anthracene, CAS: 53-70-3

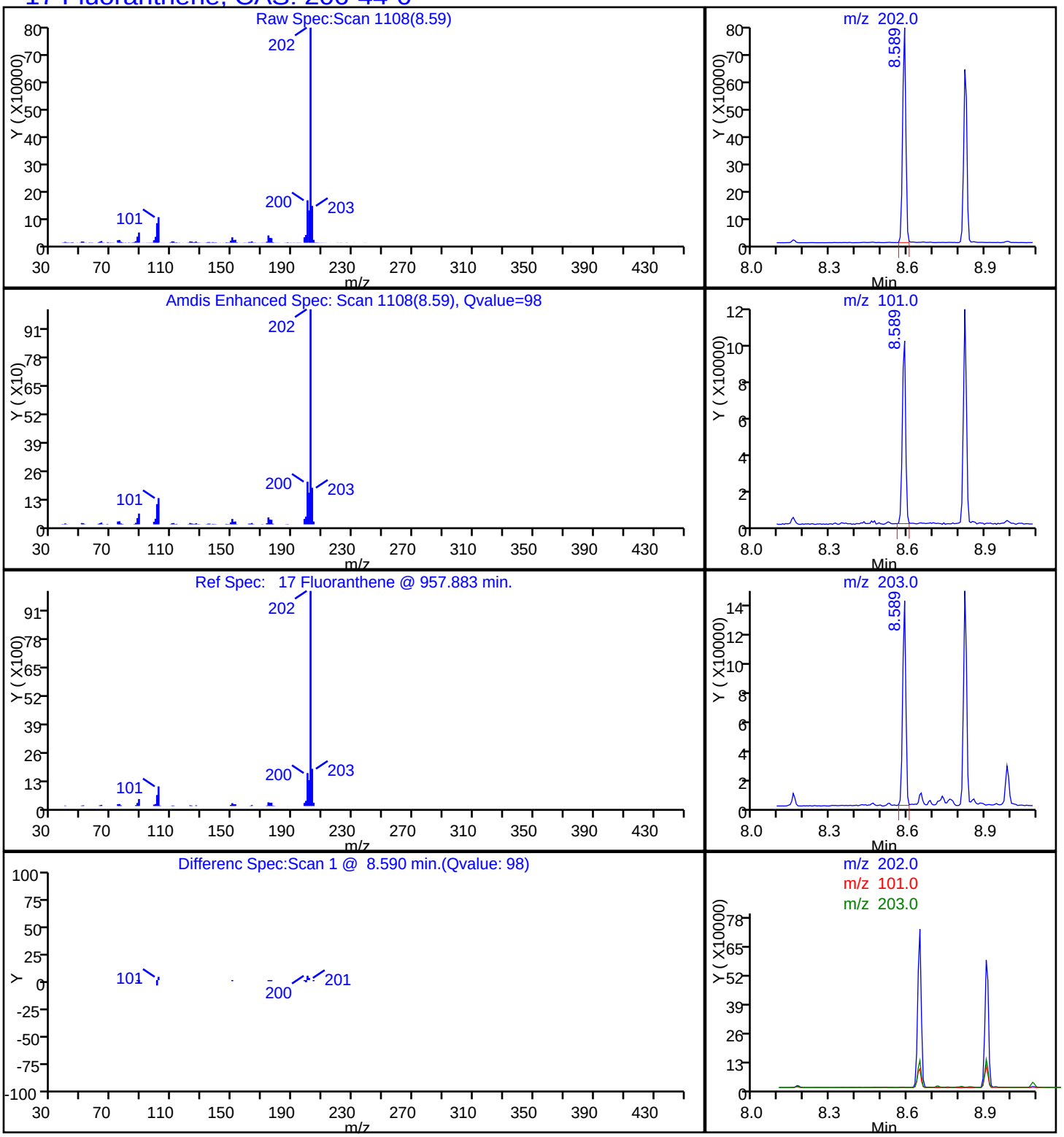


Report Date: 05-Sep-2014 12:01:23 Chrom Revision: 2.2 24-Jul-2014 14:43:32

TestAmerica Savannah

Data File:	\\SAVCHROM\ChromData\CMSK\20140903-12465.b\1KI0315.D				
Injection Date:	03-Sep-2014 17:51:30	Instrument ID:	CMSK		
Lims ID:	680-104727-B-9-A	Lab Sample ID:	680-104727-9		
Client ID:	CV0815B-CS-0-4"				
Operator ID:	RM	ALS Bottle#:	15	Worklist Smp#:	15
Injection Vol:	2.0 ul	Dil. Factor:	20.0000		
Method:	8270_LLPAH_CMSK	Limit Group:	8270D_LL_PAH		
Column:	Restek RXi-5Sil MS (0.25 mm)	Detector	MS SCAN		

17 Fluoranthene, CAS: 206-44-0

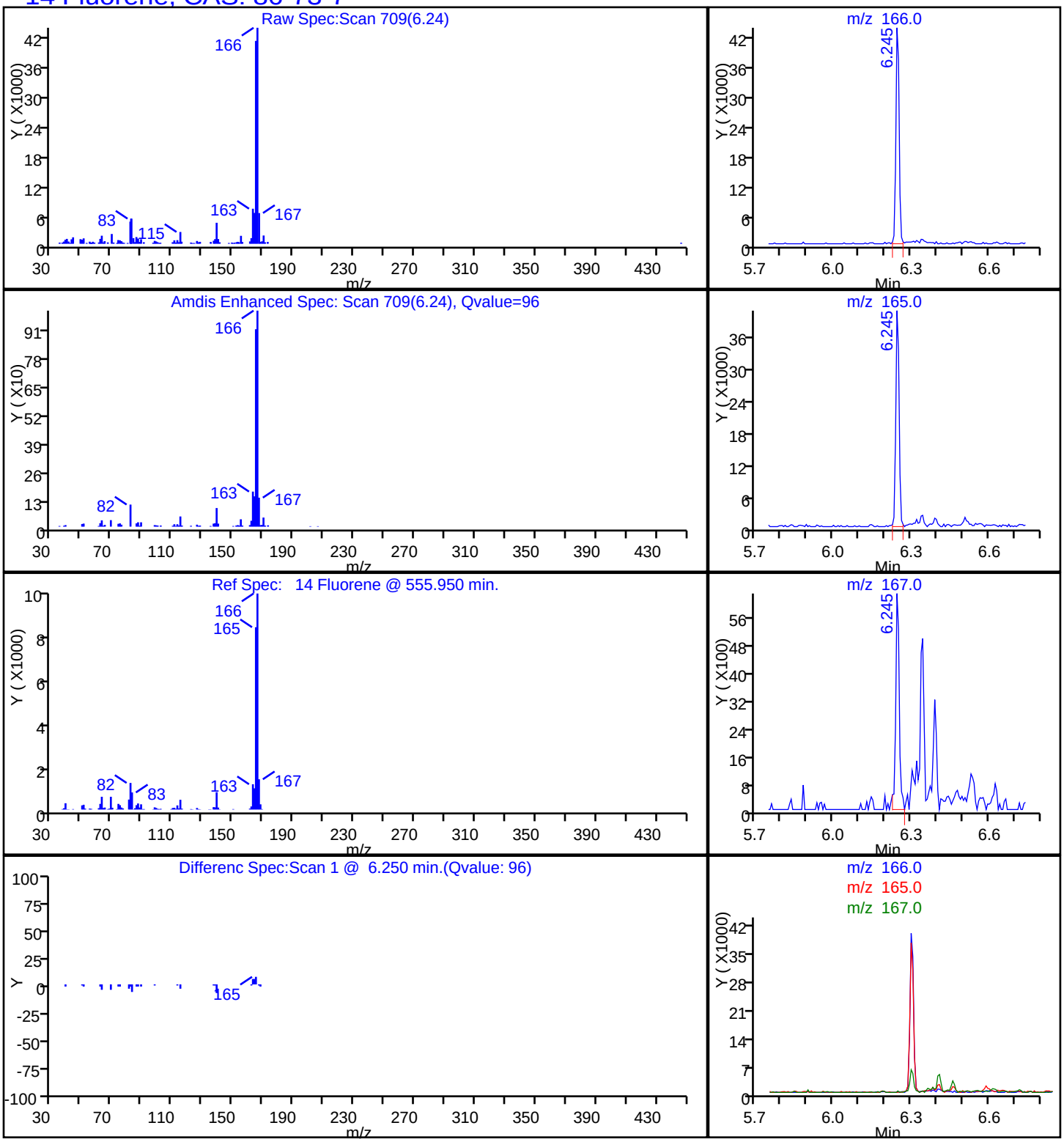


Report Date: 05-Sep-2014 12:01:23 Chrom Revision: 2.2 24-Jul-2014 14:43:32

TestAmerica Savannah

Data File:	\\SAVCHROM\ChromData\CMSK\20140903-12465.b\1KI0315.D				
Injection Date:	03-Sep-2014 17:51:30	Instrument ID:	CMSK		
Lims ID:	680-104727-B-9-A	Lab Sample ID:	680-104727-9		
Client ID:	CV0815B-CS-0-4"				
Operator ID:	RM	ALS Bottle#:	15	Worklist Smp#:	15
Injection Vol:	2.0 ul	Dil. Factor:	20.0000		
Method:	8270_LLPAH_CMSK	Limit Group:	8270D_LL_PAH		
Column:	Restek RXi-5Sil MS (0.25 mm)	Detector	MS SCAN		

14 Fluorene, CAS: 86-73-7

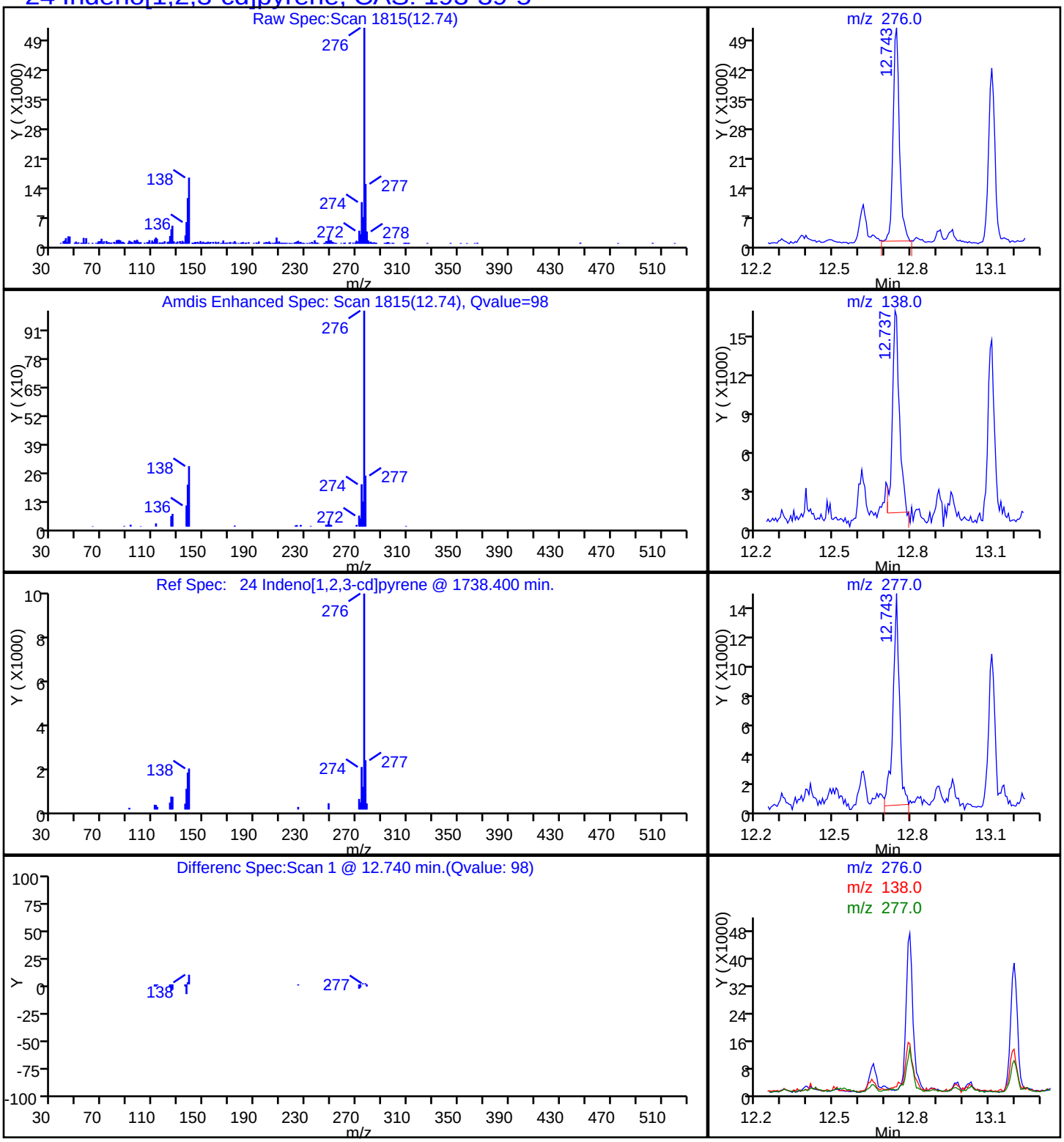


Report Date: 05-Sep-2014 12:01:23 Chrom Revision: 2.2 24-Jul-2014 14:43:32

TestAmerica Savannah

Data File:	\\SAVCHROM\ChromData\CMSK\20140903-12465.b\1KI0315.D				
Injection Date:	03-Sep-2014 17:51:30	Instrument ID:	CMSK		
Lims ID:	680-104727-B-9-A	Lab Sample ID:	680-104727-9		
Client ID:	CV0815B-CS-0-4"				
Operator ID:	RM	ALS Bottle#:	15	Worklist Smp#:	15
Injection Vol:	2.0 ul	Dil. Factor:	20.0000		
Method:	8270_LLPAH_CMSK	Limit Group:	8270D_LL_PAH		
Column:	Restek RXi-5Sil MS (0.25 mm)	Detector	MS SCAN		

24 Indeno[1,2,3-cd]pyrene, CAS: 193-39-5

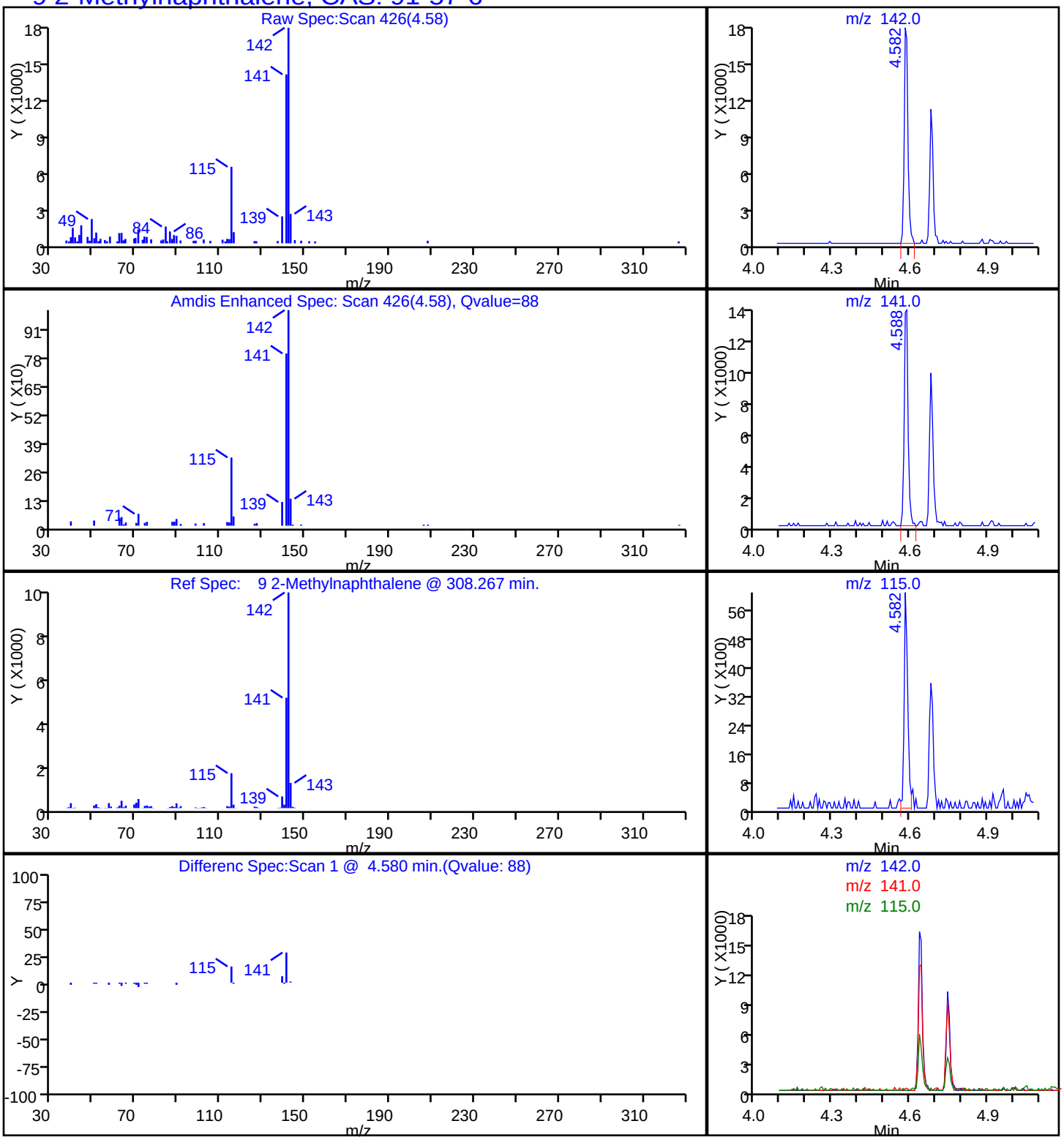


Report Date: 05-Sep-2014 12:01:23 Chrom Revision: 2.2 24-Jul-2014 14:43:32

TestAmerica Savannah

Data File:	\\SAVCHROM\ChromData\CMSK\20140903-12465.b\1KI0315.D				
Injection Date:	03-Sep-2014 17:51:30	Instrument ID:	CMSK		
Lims ID:	680-104727-B-9-A	Lab Sample ID:	680-104727-9		
Client ID:	CV0815B-CS-0-4"				
Operator ID:	RM	ALS Bottle#:	15	Worklist Smp#:	15
Injection Vol:	2.0 ul	Dil. Factor:	20.0000		
Method:	8270_LLPAH_CMSK	Limit Group:	8270D_LL_PAH		
Column:	Restek RXi-5Sil MS (0.25 mm)	Detector	MS SCAN		

9 2-Methylnaphthalene, CAS: 91-57-6

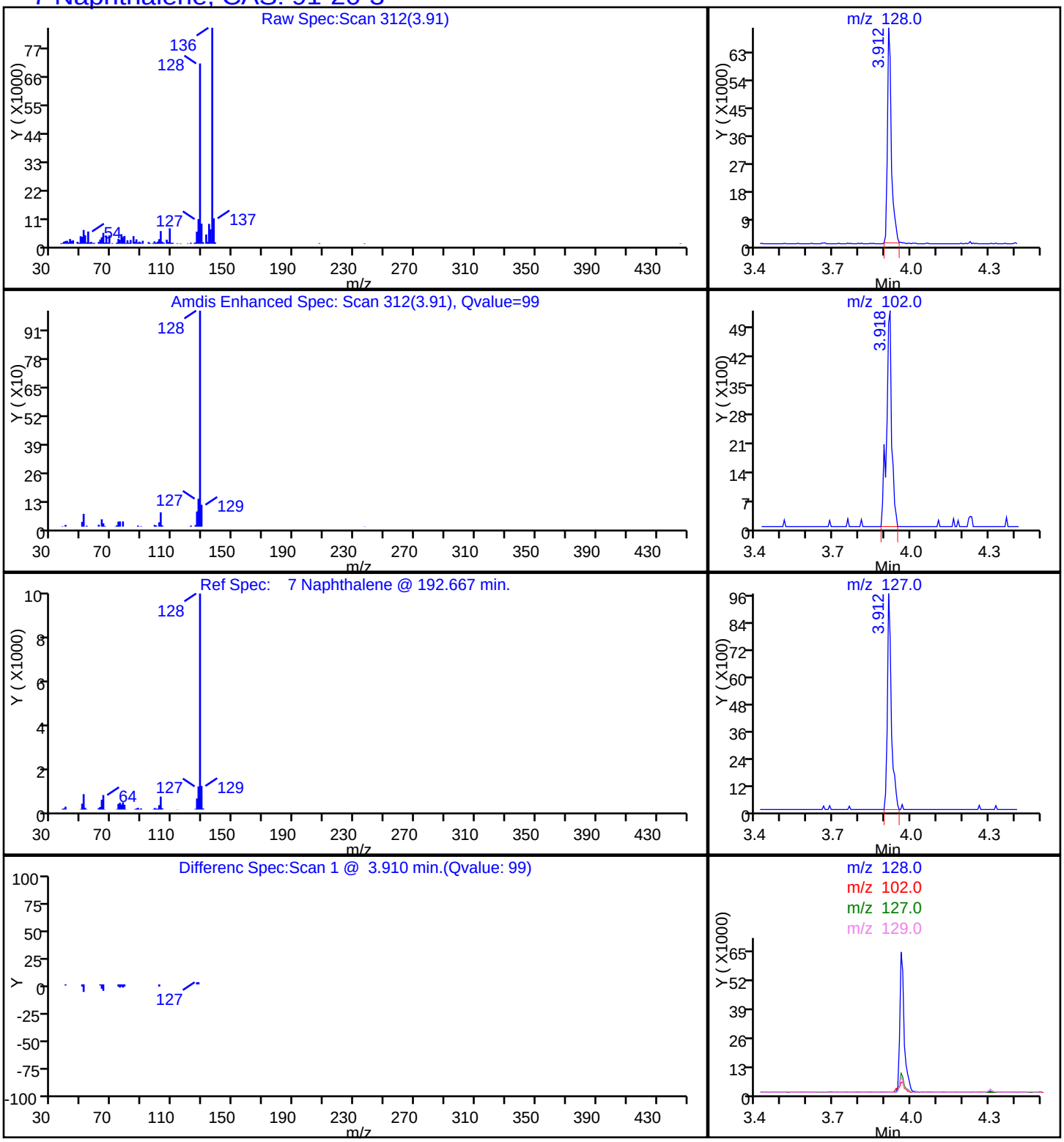


Report Date: 05-Sep-2014 12:01:23 Chrom Revision: 2.2 24-Jul-2014 14:43:32

TestAmerica Savannah

Data File:	\\SAVCHROM\ChromData\CMSK\20140903-12465.b\1KI0315.D				
Injection Date:	03-Sep-2014 17:51:30	Instrument ID:	CMSK		
Lims ID:	680-104727-B-9-A	Lab Sample ID:	680-104727-9		
Client ID:	CV0815B-CS-0-4"				
Operator ID:	RM	ALS Bottle#:	15	Worklist Smp#:	15
Injection Vol:	2.0 ul	Dil. Factor:	20.0000		
Method:	8270_LLPAH_CMSK	Limit Group:	8270D_LL_PAH		
Column:	Restek RXi-5Sil MS (0.25 mm)	Detector	MS SCAN		

7 Naphthalene, CAS: 91-20-3

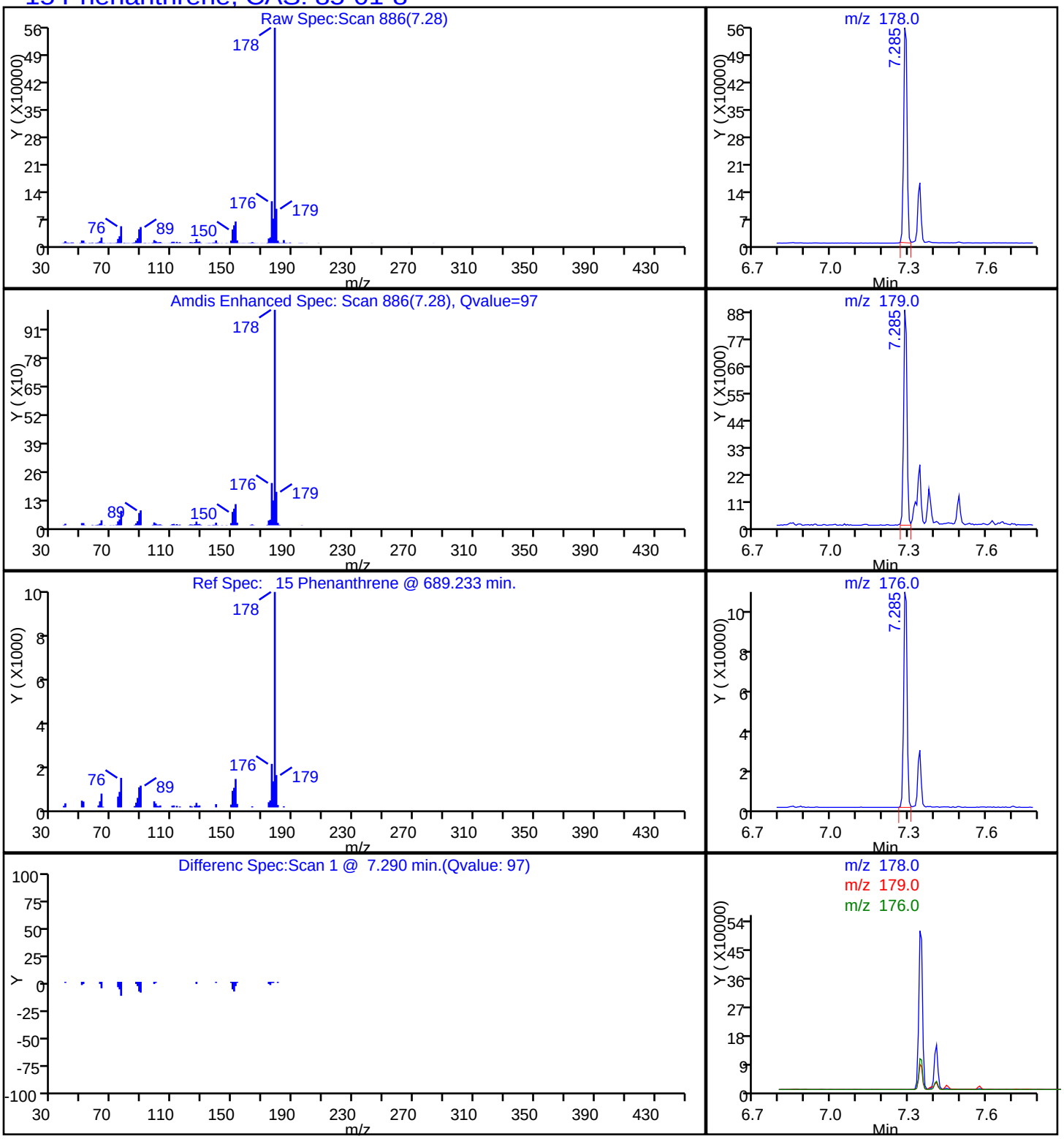


Report Date: 05-Sep-2014 12:01:23 Chrom Revision: 2.2 24-Jul-2014 14:43:32

TestAmerica Savannah

Data File:	\\SAVCHROM\ChromData\CMSK\20140903-12465.b\1KI0315.D				
Injection Date:	03-Sep-2014 17:51:30	Instrument ID:	CMSK		
Lims ID:	680-104727-B-9-A	Lab Sample ID:	680-104727-9		
Client ID:	CV0815B-CS-0-4"				
Operator ID:	RM	ALS Bottle#:	15	Worklist Smp#:	15
Injection Vol:	2.0 ul	Dil. Factor:	20.0000		
Method:	8270_LLPAH_CMSK	Limit Group:	8270D_LL_PAH		
Column:	Restek RXi-5Sil MS (0.25 mm)	Detector	MS SCAN		

15 Phenanthrene, CAS: 85-01-8

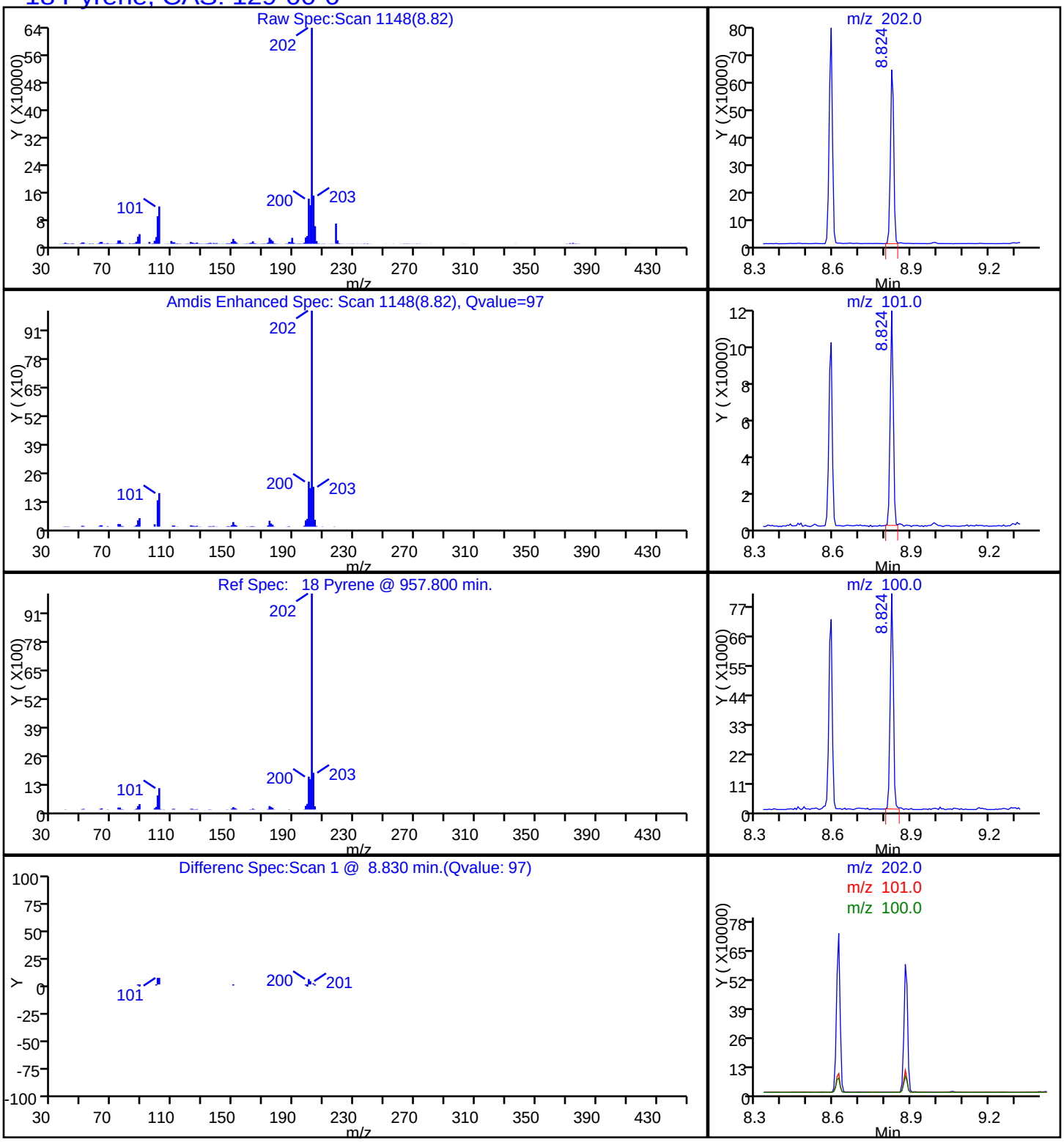


Report Date: 05-Sep-2014 12:01:23 Chrom Revision: 2.2 24-Jul-2014 14:43:32

TestAmerica Savannah

Data File:	\\SAVCHROM\ChromData\CMSK\20140903-12465.b\1KI0315.D				
Injection Date:	03-Sep-2014 17:51:30	Instrument ID:	CMSK		
Lims ID:	680-104727-B-9-A	Lab Sample ID:	680-104727-9		
Client ID:	CV0815B-CS-0-4"				
Operator ID:	RM	ALS Bottle#:	15	Worklist Smp#:	15
Injection Vol:	2.0 ul	Dil. Factor:	20.0000		
Method:	8270_LLPAH_CMSK	Limit Group:	8270D_LL_PAH		
Column:	Restek RXi-5Sil MS (0.25 mm)	Detector	MS SCAN		

18 Pyrene, CAS: 129-00-0



Manual Integration/User Assign Peak Report

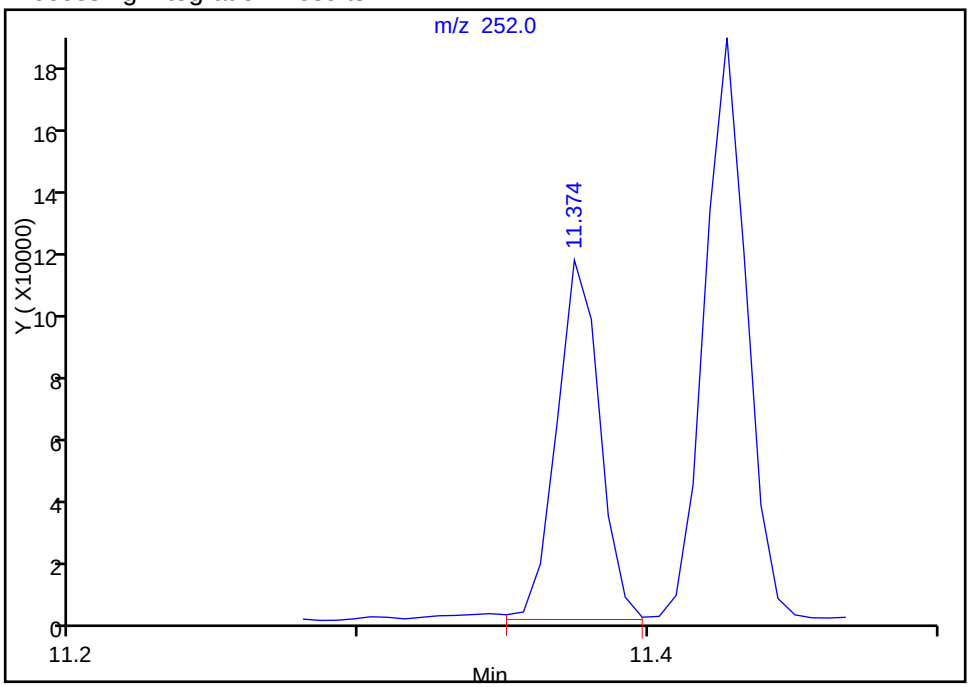
TestAmerica Savannah

Data File:	\\SAVCHROM\ChromData\CMSK\20140903-12465.b\1KI0315.D				
Injection Date:	03-Sep-2014 17:51:30	Instrument ID:	CMSK		
Lims ID:	680-104727-B-9-A	Lab Sample ID:	680-104727-9		
Client ID:	CV0815B-CS-0-4"				
Operator ID:	RM	ALS Bottle#:	15	Worklist Smp#:	15
Injection Vol:	2.0 ul	Dil. Factor:	20.0000		
Method:	8270_LLPAH_CMSK	Limit Group:	8270D_LL_PAH		
Column:	Restek RXi-5Sil MS (0.25 mm)	Detector	MS SCAN		

22 Benzo[k]fluoranthene, CAS: 207-08-9

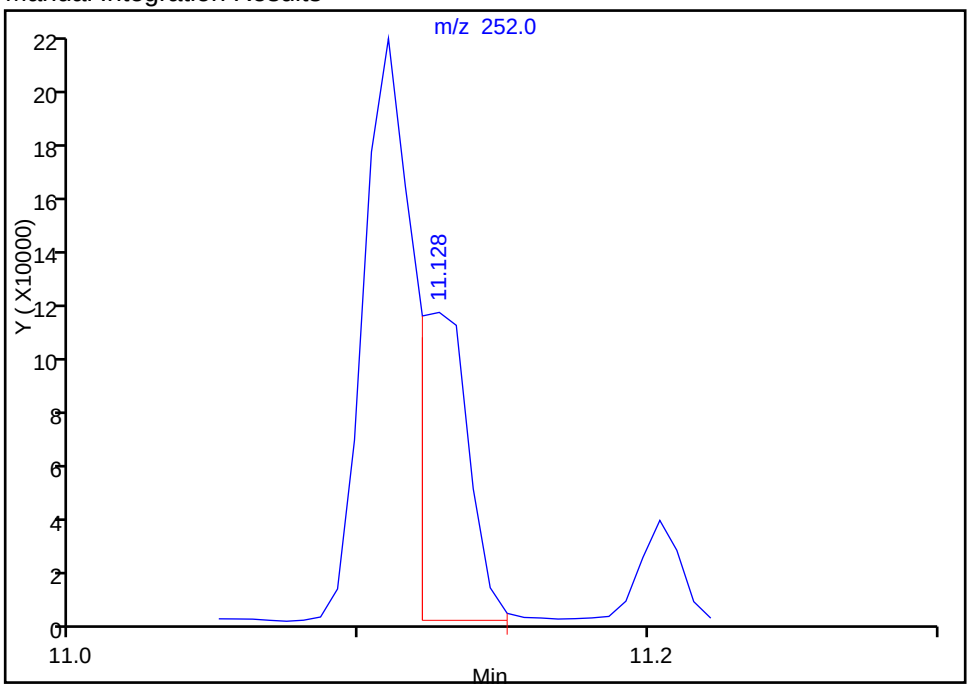
Processing Integration Results

RT: 11.37
Response: 118373
Amount: 0.871416



Manual Integration Results

RT: 11.13
Response: 140203
Amount: 1.032120



Reviewer: webbk, 04-Sep-2014 12:38:47
Audit Action: Manually Integrated
Audit Reason: Split Peak

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Savannah | Job No.: 680-104727-1

SDG No.: 680-104727-01

Client Sample ID: CV0268A-CS-0-4"-DUP | Lab Sample ID: 680-104727-10

Matrix: Solid | Lab File ID: 1KI0316.D

Analysis Method: 8270D_LL_PAH | Date Collected: 08/25/2014 13:25

Extract. Method: 3546 | Date Extracted: 08/30/2014 10:36

Sample wt/vol: 30.01(g) | Date Analyzed: 09/03/2014 18:15

Con. Extract Vol.: 1(mL) | Dilution Factor: 20

Injection Volume: 2(uL) | Level: (low/med) Low

% Moisture: 10.2 | GPC Cleanup:(Y/N) N

Analysis Batch No.: 347120 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
83-32-9	Acenaphthene	150	U	150	73
208-96-8	Acenaphthylene	150	U	150	73
120-12-7	Anthracene	150	U	150	73
56-55-3	Benzo[a]anthracene	290		150	73
50-32-8	Benzo[a]pyrene	240		150	27
205-99-2	Benzo[b]fluoranthene	430		150	73
191-24-2	Benzo[g,h,i]perylene	160		150	73
207-08-9	Benzo[k]fluoranthene	160		150	45
218-01-9	Chrysene	350		150	73
53-70-3	Dibenz(a,h)anthracene	150	U	150	73
206-44-0	Fluoranthene	380		150	73
86-73-7	Fluorene	150	U	150	73
193-39-5	Indeno[1,2,3-cd]pyrene	140	J	150	73
90-12-0	1-Methylnaphthalene	150	U	150	69
91-57-6	2-Methylnaphthalene	150	U	150	73
91-20-3	Naphthalene	150	U	150	73
85-01-8	Phenanthrene	130	J	150	53
129-00-0	Pyrene	340		150	73

CAS NO.	SURROGATE	%REC	Q	LIMITS
84-15-1	o-Terphenyl	0	D	36-131

TestAmerica Savannah
Target Compound Quantitation Report

Data File:	\\SAVCHROM\ChromData\CMSK\20140903-12465.b\1KI0316.D				
Lims ID:	680-104727-A-10-B	Lab Sample ID:	680-104727-10		
Client ID:	CV0268A-CS-0-4"-DUP				
Sample Type:	Client				
Inject. Date:	03-Sep-2014 18:15:30	ALS Bottle#:	16	Worklist Smp#:	16
Injection Vol:	2.0 ul	Dil. Factor:	20.0000		
Sample Info:	680-104727-A-10-B DL=10				
Misc. Info.:	680-0012465-016				
Operator ID:	RM	Instrument ID:	CMSK		
Method:	\\SAVCHROM\ChromData\CMSK\20140903-12465.b\8270_LLPAH_CMSK.m				
Limit Group:	8270D_LL_PAH				
Last Update:	05-Sep-2014 12:01:22	Calib Date:	03-Sep-2014 14:41:30		
Integrator:	RTE	ID Type:	RT Order ID		
Quant Method:	Internal Standard	Quant By:	Initial Calibration		
Last ICal File:	\\SAVCHROM\ChromData\CMSK\20140903-12465.b\1KI0308.D				
Column 1 :	Restek RXi-5Sil MS (0.25 mm)		Det: MS SCAN		
Process Host:	XAWRK017				

First Level Reviewer: webbk Date: 04-Sep-2014 12:40:14

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/ml	Flags
* 1 Naphthalene-d8	136	3.895	3.895	0.000	98	508166	2.00	
* 2 Acenaphthene-d10	164	5.663	5.663	0.000	91	251872	2.00	
* 3 Phenanthrene-d10	188	7.261	7.262	-0.001	98	336144	2.00	
* 4 Chrysene-d12	240	10.088	10.088	0.000	97	235122	2.00	
* 5 Perylene-d12	264	11.492	11.492	0.000	96	198762	2.00	
7 Naphthalene	128	3.912	3.912	0.000	65	17326	0.0651	
9 2-Methylnaphthalene	142	4.582	4.582	0.000	77	10507	0.0677	
8 1-Methylnaphthalene	142	4.682	4.682	0.000	70	8631	0.0593	
15 Phenanthrene	178	7.285	7.285	0.000	75	32902	0.1703	
16 Anthracene	178	7.344	7.344	0.000	79	5783	0.0327	7
17 Fluoranthene	202	8.589	8.589	0.000	98	88832	0.5071	
18 Pyrene	202	8.824	8.824	0.000	97	82767	0.4550	
19 Benzo[a]anthracene	228	10.076	10.076	0.000	97	47939	0.3903	
20 Chrysene	228	10.111	10.111	0.000	91	55290	0.4683	
21 Benzo[b]fluoranthene	252	11.110	11.110	0.000	96	70222	0.5804	
22 Benzo[k]fluoranthene	252	11.133	11.139	-0.006	96	26514	0.2174	M
23 Benzo[a]pyrene	252	11.433	11.433	0.000	94	35242	0.3279	
24 Indeno[1,2,3-cd]pyrene	276	12.749	12.749	0.000	95	25253	0.1945	
26 Benzo[g,h,i]perylene	276	13.119	13.125	-0.006	85	23890	0.2204	

QC Flag Legend

Processing Flags
7 - Failed Limit of Detection

Review Flags
M - Manually Integrated

Reagents:

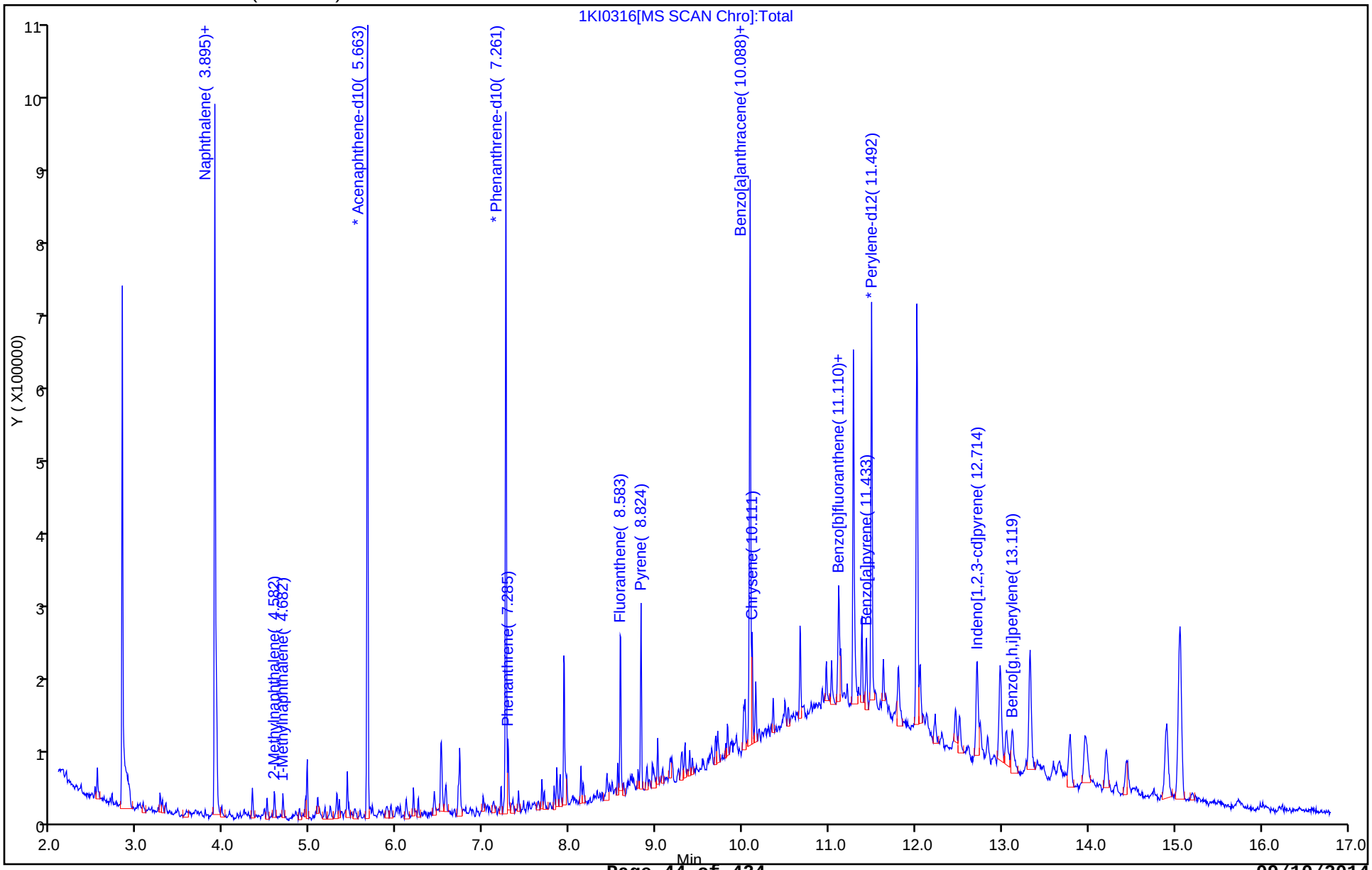
SM-LLISTD_00105 Amount Added: 10.00 Units: uL Run Reagent

Report Date: 05-Sep-2014 12:01:40 Chrom Revision: 2.2 24-Jul-2014 14:43:32

TestAmerica Savannah

Data File:	\\SAVCHROM\ChromData\CMSK\20140903-12465.b\1KI0316.D				
Injection Date:	03-Sep-2014 18:15:30	Instrument ID:	CMSK	Operator ID:	RM
Lims ID:	680-104727-A-10-B	Lab Sample ID:	680-104727-10	Worklist Smp#:	16
Client ID:	CV0268A-CS-0-4"-DUP				
Injection Vol:	2.0 ul	Dil. Factor:	20.0000	ALS Bottle#:	16
Method:	8270_LLPAH_CMSK	Limit Group:	8270D_LL_PAH		

Column: Restek RXi-5Sil MS (0.25 mm)

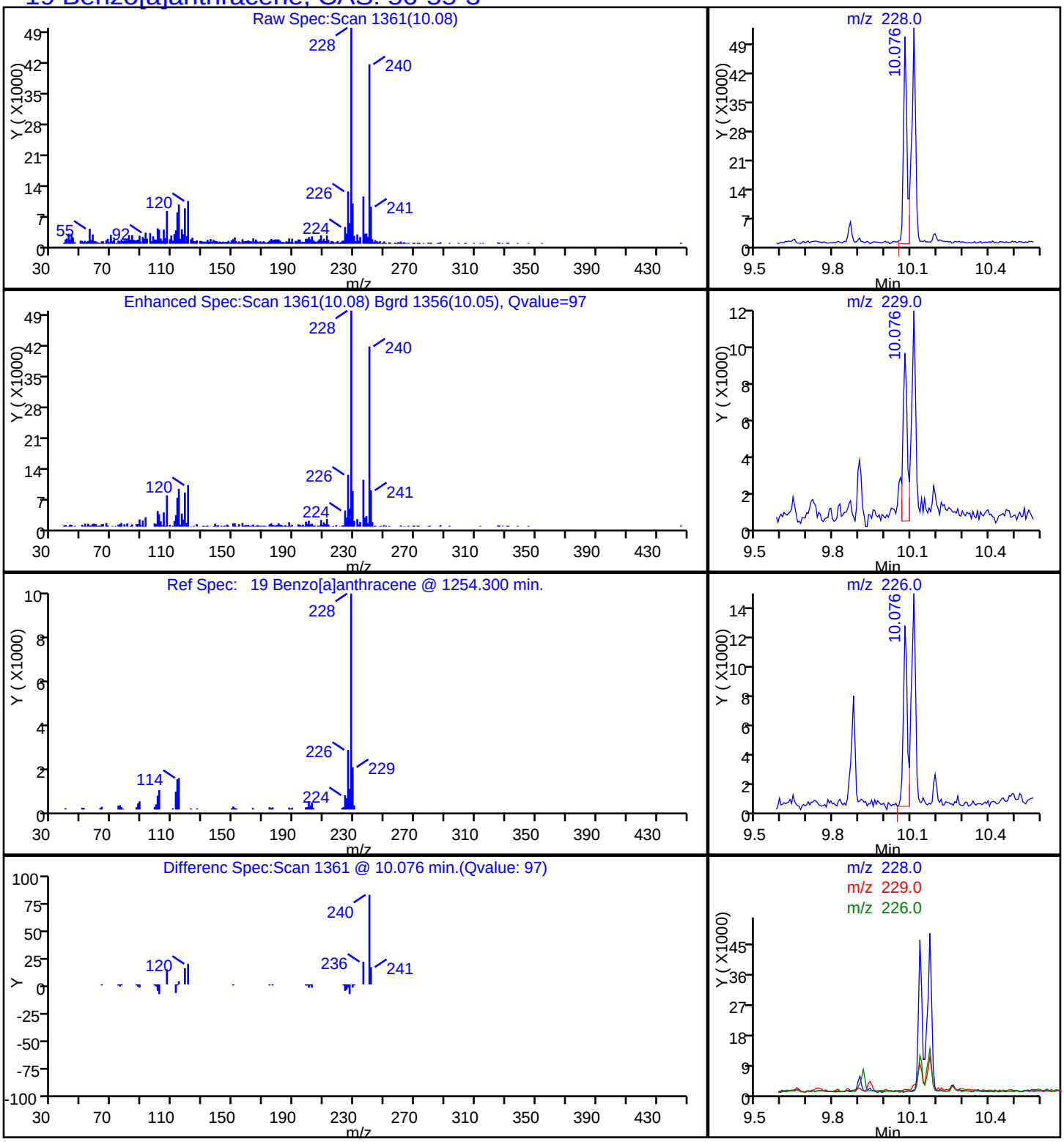


Report Date: 05-Sep-2014 12:01:41 Chrom Revision: 2.2 24-Jul-2014 14:43:32

TestAmerica Savannah

Data File:	\\SAVCHROM\ChromData\CMSK\20140903-12465.b\1KI0316.D				
Injection Date:	03-Sep-2014 18:15:30	Instrument ID:	CMSK		
Lims ID:	680-104727-A-10-B	Lab Sample ID:	680-104727-10		
Client ID:	CV0268A-CS-0-4"-DUP				
Operator ID:	RM	ALS Bottle#:	16	Worklist Smp#:	16
Injection Vol:	2.0 ul	Dil. Factor:	20.0000		
Method:	8270_LLPAH_CMSK	Limit Group:	8270D_LL_PAH		
Column:	Restek RXi-5Sil MS (0.25 mm)	Detector	MS SCAN		

19 Benzo[a]anthracene, CAS: 56-55-3

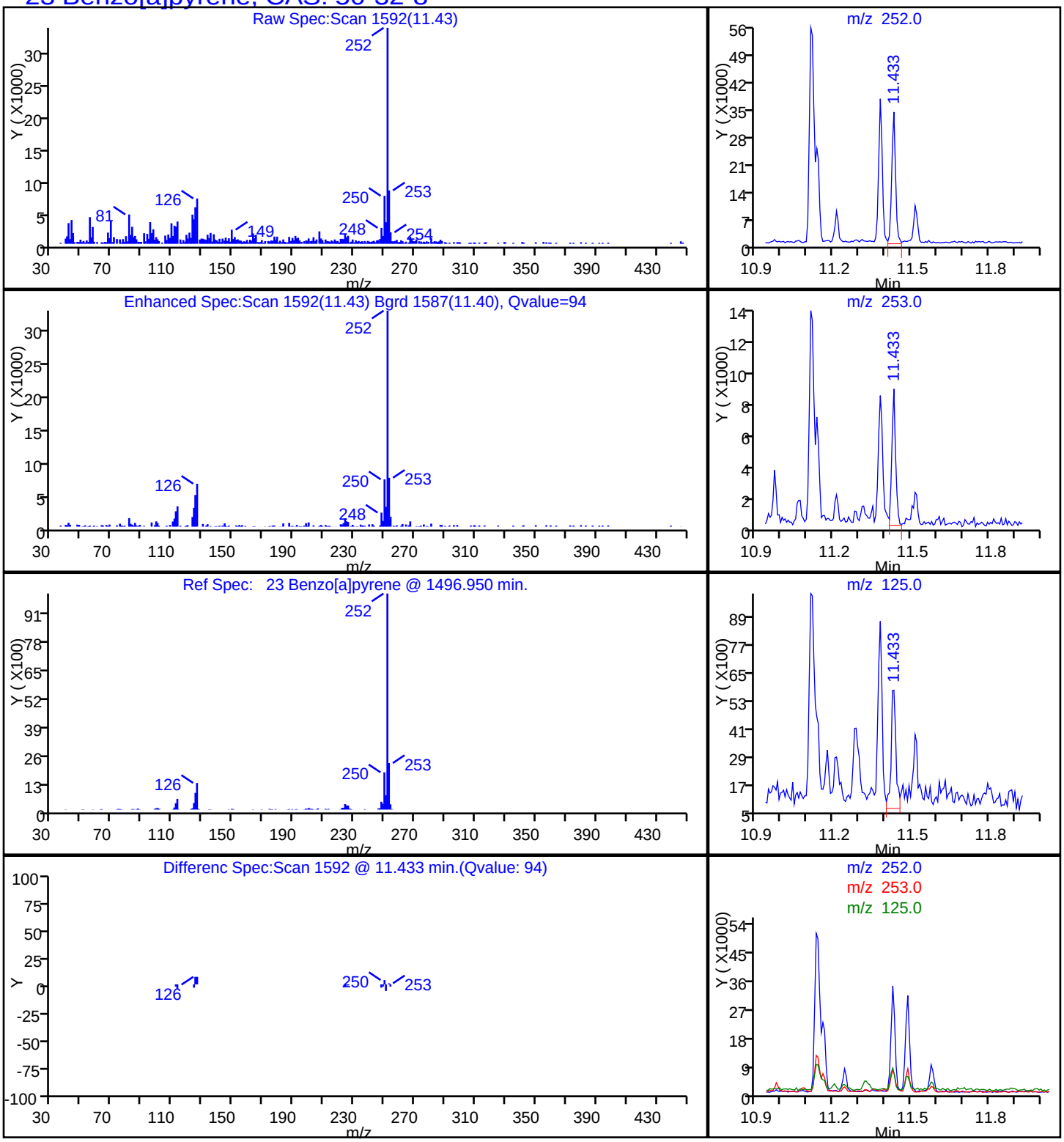


Report Date: 05-Sep-2014 12:01:41 Chrom Revision: 2.2 24-Jul-2014 14:43:32

TestAmerica Savannah

Data File:	\\SAVCHROM\ChromData\CMSK\20140903-12465.b\1KI0316.D				
Injection Date:	03-Sep-2014 18:15:30	Instrument ID:	CMSK		
Lims ID:	680-104727-A-10-B	Lab Sample ID:	680-104727-10		
Client ID:	CV0268A-CS-0-4"-DUP				
Operator ID:	RM	ALS Bottle#:	16	Worklist Smp#:	16
Injection Vol:	2.0 ul	Dil. Factor:	20.0000		
Method:	8270_LLPAH_CMSK	Limit Group:	8270D_LL_PAH		
Column:	Restek RXi-5Sil MS (0.25 mm)	Detector	MS SCAN		

23 Benzo[a]pyrene, CAS: 50-32-8

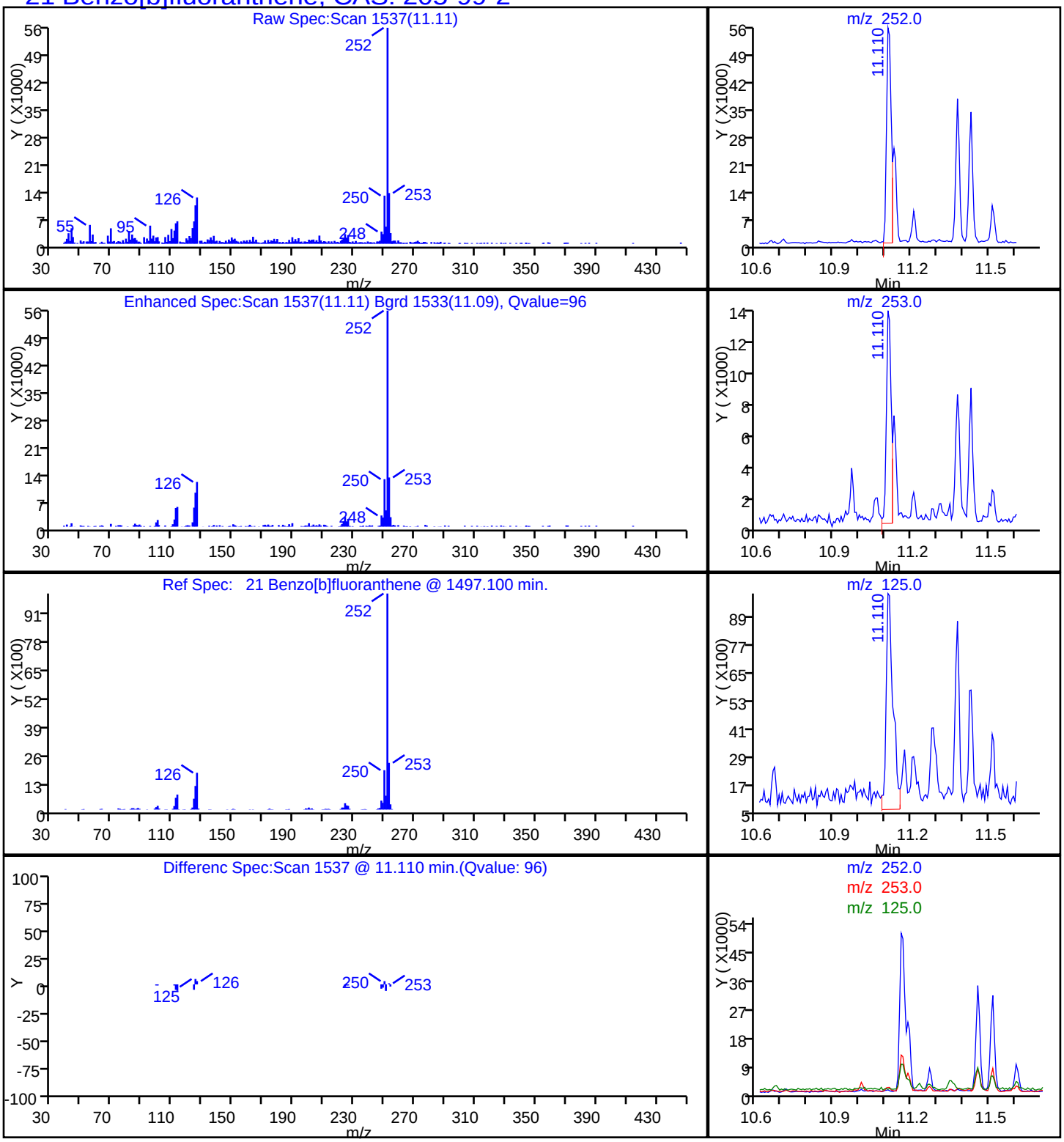


Report Date: 05-Sep-2014 12:01:41 Chrom Revision: 2.2 24-Jul-2014 14:43:32

TestAmerica Savannah

Data File:	\\SAVCHROM\ChromData\CMSK\20140903-12465.b\1KI0316.D				
Injection Date:	03-Sep-2014 18:15:30	Instrument ID:	CMSK		
Lims ID:	680-104727-A-10-B	Lab Sample ID:	680-104727-10		
Client ID:	CV0268A-CS-0-4"-DUP				
Operator ID:	RM	ALS Bottle#:	16	Worklist Smp#:	16
Injection Vol:	2.0 ul	Dil. Factor:	20.0000		
Method:	8270_LLPAH_CMSK	Limit Group:	8270D_LL_PAH		
Column:	Restek RXi-5Sil MS (0.25 mm)	Detector	MS SCAN		

21 Benzo[b]fluoranthene, CAS: 205-99-2

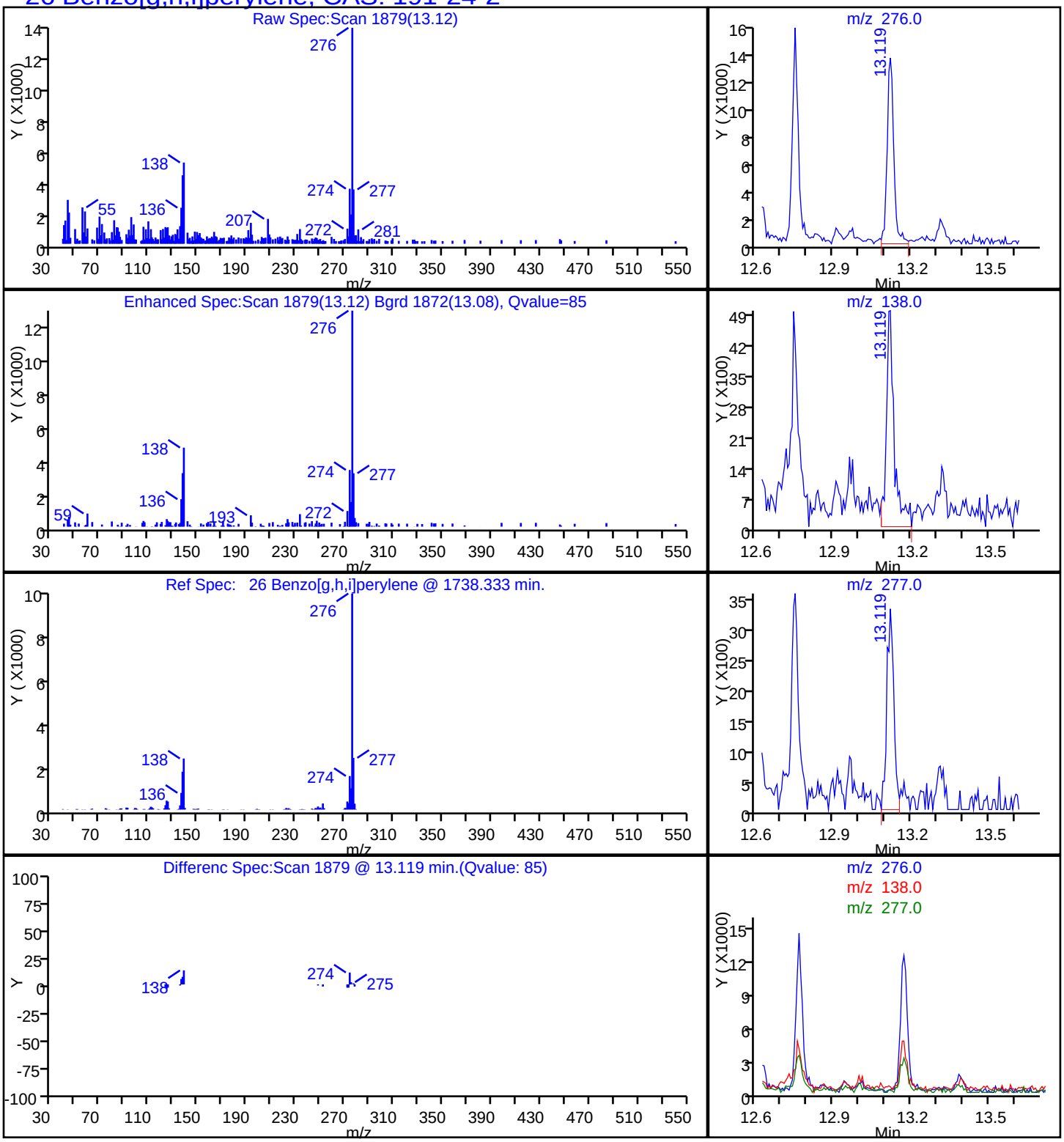


Report Date: 05-Sep-2014 12:01:41 Chrom Revision: 2.2 24-Jul-2014 14:43:32

TestAmerica Savannah

Data File:	\\SAVCHROM\ChromData\CMSK\20140903-12465.b\1KI0316.D				
Injection Date:	03-Sep-2014 18:15:30	Instrument ID:	CMSK		
Lims ID:	680-104727-A-10-B	Lab Sample ID:	680-104727-10		
Client ID:	CV0268A-CS-0-4"-DUP				
Operator ID:	RM	ALS Bottle#:	16	Worklist Smp#:	16
Injection Vol:	2.0 ul	Dil. Factor:	20.0000		
Method:	8270_LLPAH_CMSK	Limit Group:	8270D_LL_PAH		
Column:	Restek RXi-5Sil MS (0.25 mm)	Detector	MS SCAN		

26 Benzo[g,h,i]perylene, CAS: 191-24-2

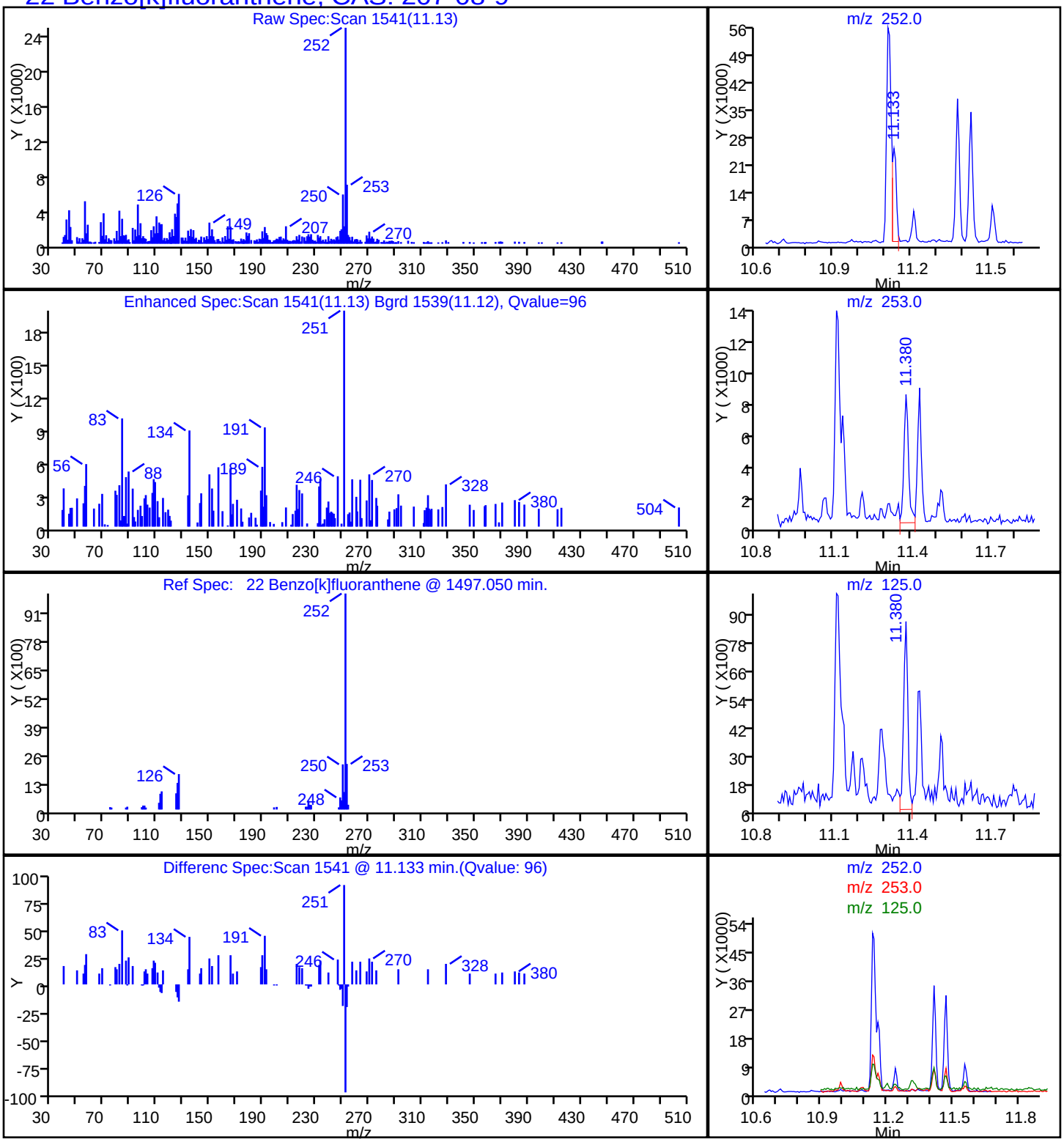


Report Date: 05-Sep-2014 12:01:41 Chrom Revision: 2.2 24-Jul-2014 14:43:32

TestAmerica Savannah

Data File:	\\SAVCHROM\ChromData\CMSK\20140903-12465.b\1KI0316.D				
Injection Date:	03-Sep-2014 18:15:30	Instrument ID:	CMSK		
Lims ID:	680-104727-A-10-B	Lab Sample ID:	680-104727-10		
Client ID:	CV0268A-CS-0-4"-DUP				
Operator ID:	RM	ALS Bottle#:	16	Worklist Smp#:	16
Injection Vol:	2.0 ul	Dil. Factor:	20.0000		
Method:	8270_LLPAH_CMSK	Limit Group:	8270D_LL_PAH		
Column:	Restek RXi-5Sil MS (0.25 mm)	Detector	MS SCAN		

22 Benzo[k]fluoranthene, CAS: 207-08-9

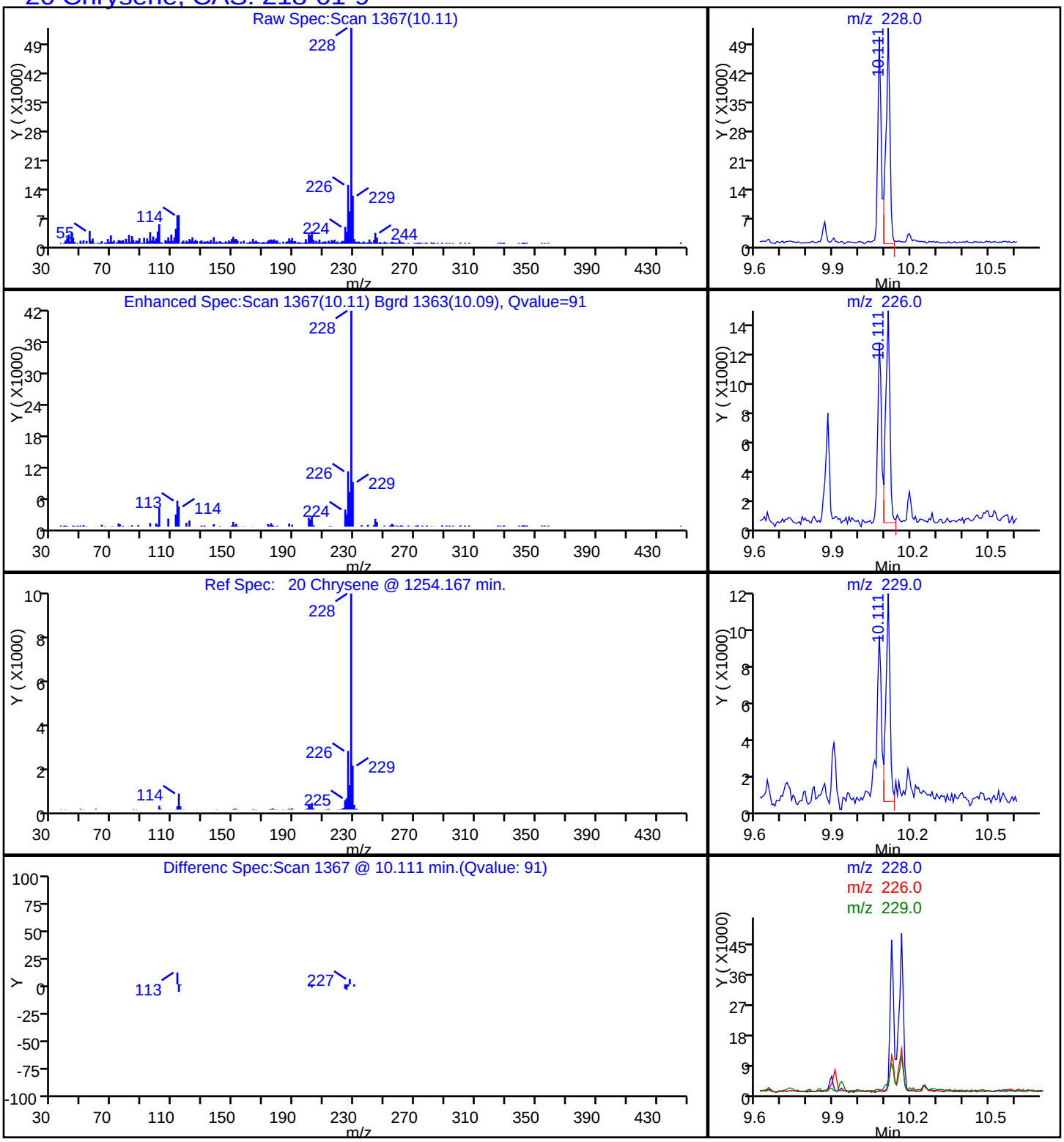


Report Date: 05-Sep-2014 12:01:41 Chrom Revision: 2.2 24-Jul-2014 14:43:32

TestAmerica Savannah

Data File:	\\SAVCHROM\ChromData\CMSK\20140903-12465.b\1KI0316.D				
Injection Date:	03-Sep-2014 18:15:30	Instrument ID:	CMSK		
Lims ID:	680-104727-A-10-B	Lab Sample ID:	680-104727-10		
Client ID:	CV0268A-CS-0-4"-DUP				
Operator ID:	RM	ALS Bottle#:	16	Worklist Smp#:	16
Injection Vol:	2.0 ul	Dil. Factor:	20.0000		
Method:	8270_LLPAH_CMSK	Limit Group:	8270D_LL_PAH		
Column:	Restek RXi-5Sil MS (0.25 mm)	Detector	MS SCAN		

20 Chrysene, CAS: 218-01-9

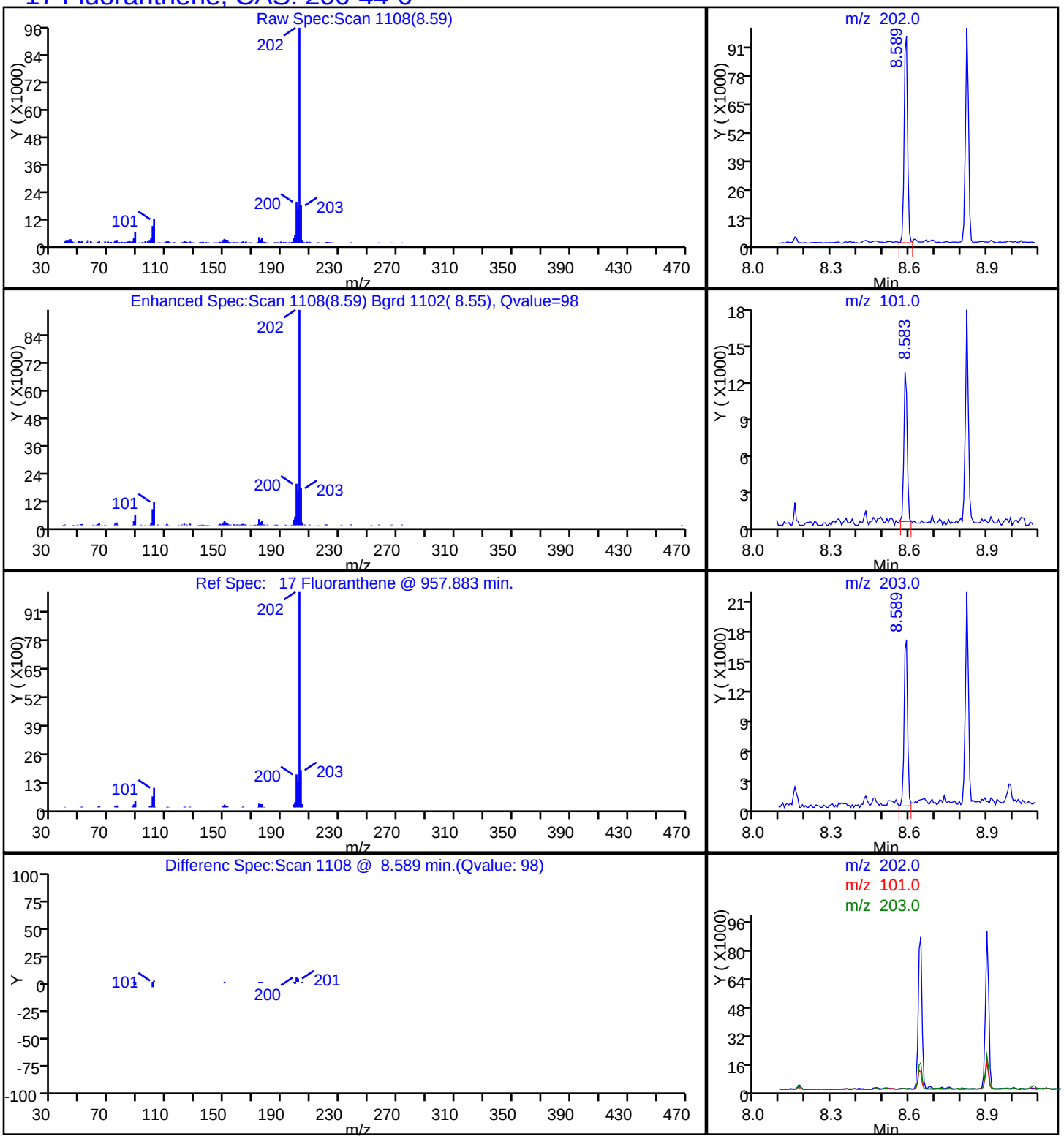


Report Date: 05-Sep-2014 12:01:40 Chrom Revision: 2.2 24-Jul-2014 14:43:32

TestAmerica Savannah

Data File:	\\SAVCHROM\ChromData\CMSK\20140903-12465.b\1KI0316.D				
Injection Date:	03-Sep-2014 18:15:30	Instrument ID:	CMSK		
Lims ID:	680-104727-A-10-B	Lab Sample ID:	680-104727-10		
Client ID:	CV0268A-CS-0-4"-DUP				
Operator ID:	RM	ALS Bottle#:	16	Worklist Smp#:	16
Injection Vol:	2.0 ul	Dil. Factor:	20.0000		
Method:	8270_LLPAH_CMSK	Limit Group:	8270D_LL_PAH		
Column:	Restek RXi-5Sil MS (0.25 mm)	Detector	MS SCAN		

17 Fluoranthene, CAS: 206-44-0

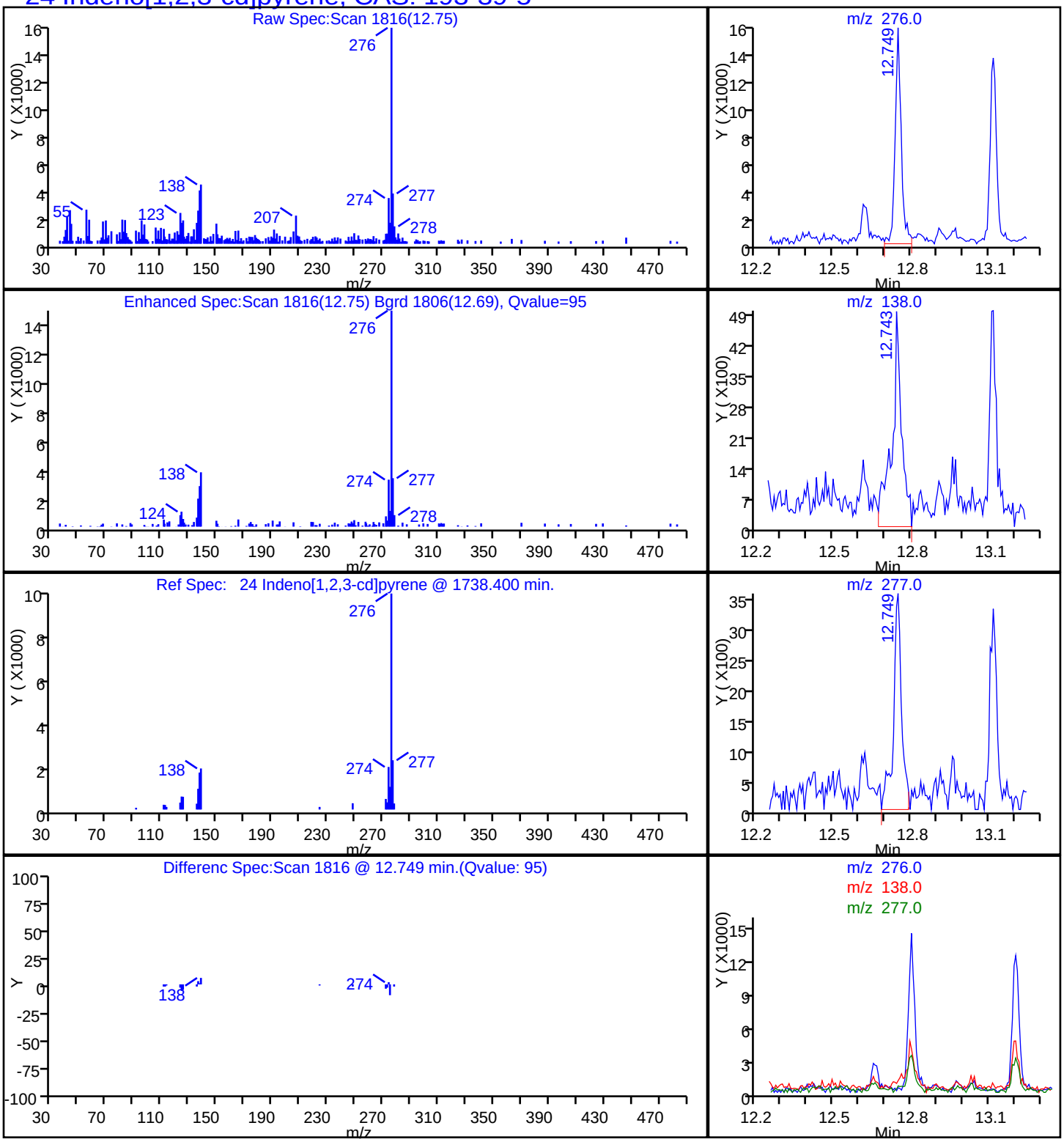


Report Date: 05-Sep-2014 12:01:41 Chrom Revision: 2.2 24-Jul-2014 14:43:32

TestAmerica Savannah

Data File:	\\SAVCHROM\ChromData\CMSK\20140903-12465.b\1KI0316.D				
Injection Date:	03-Sep-2014 18:15:30	Instrument ID:	CMSK		
Lims ID:	680-104727-A-10-B	Lab Sample ID:	680-104727-10		
Client ID:	CV0268A-CS-0-4"-DUP				
Operator ID:	RM	ALS Bottle#:	16	Worklist Smp#:	16
Injection Vol:	2.0 ul	Dil. Factor:	20.0000		
Method:	8270_LLPAH_CMSK	Limit Group:	8270D_LL_PAH		
Column:	Restek RXi-5Sil MS (0.25 mm)	Detector	MS SCAN		

24 Indeno[1,2,3-cd]pyrene, CAS: 193-39-5

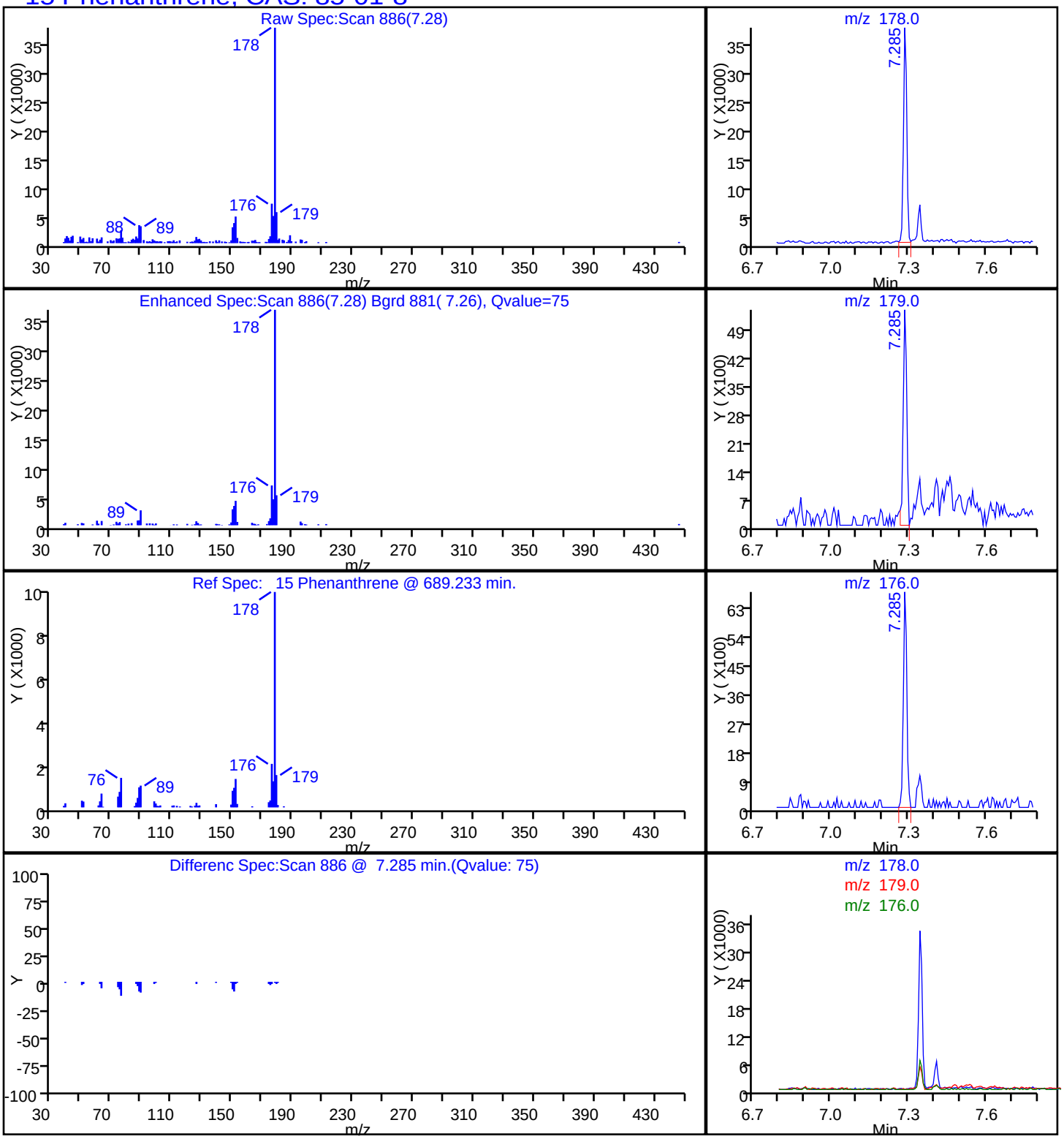


Report Date: 05-Sep-2014 12:01:40 Chrom Revision: 2.2 24-Jul-2014 14:43:32

TestAmerica Savannah

Data File:	\\SAVCHROM\ChromData\CMSK\20140903-12465.b\1KI0316.D				
Injection Date:	03-Sep-2014 18:15:30	Instrument ID:	CMSK		
Lims ID:	680-104727-A-10-B	Lab Sample ID:	680-104727-10		
Client ID:	CV0268A-CS-0-4"-DUP				
Operator ID:	RM	ALS Bottle#:	16	Worklist Smp#:	16
Injection Vol:	2.0 ul	Dil. Factor:	20.0000		
Method:	8270_LLPAH_CMSK	Limit Group:	8270D_LL_PAH		
Column:	Restek RXi-5Sil MS (0.25 mm)	Detector	MS SCAN		

15 Phenanthrene, CAS: 85-01-8

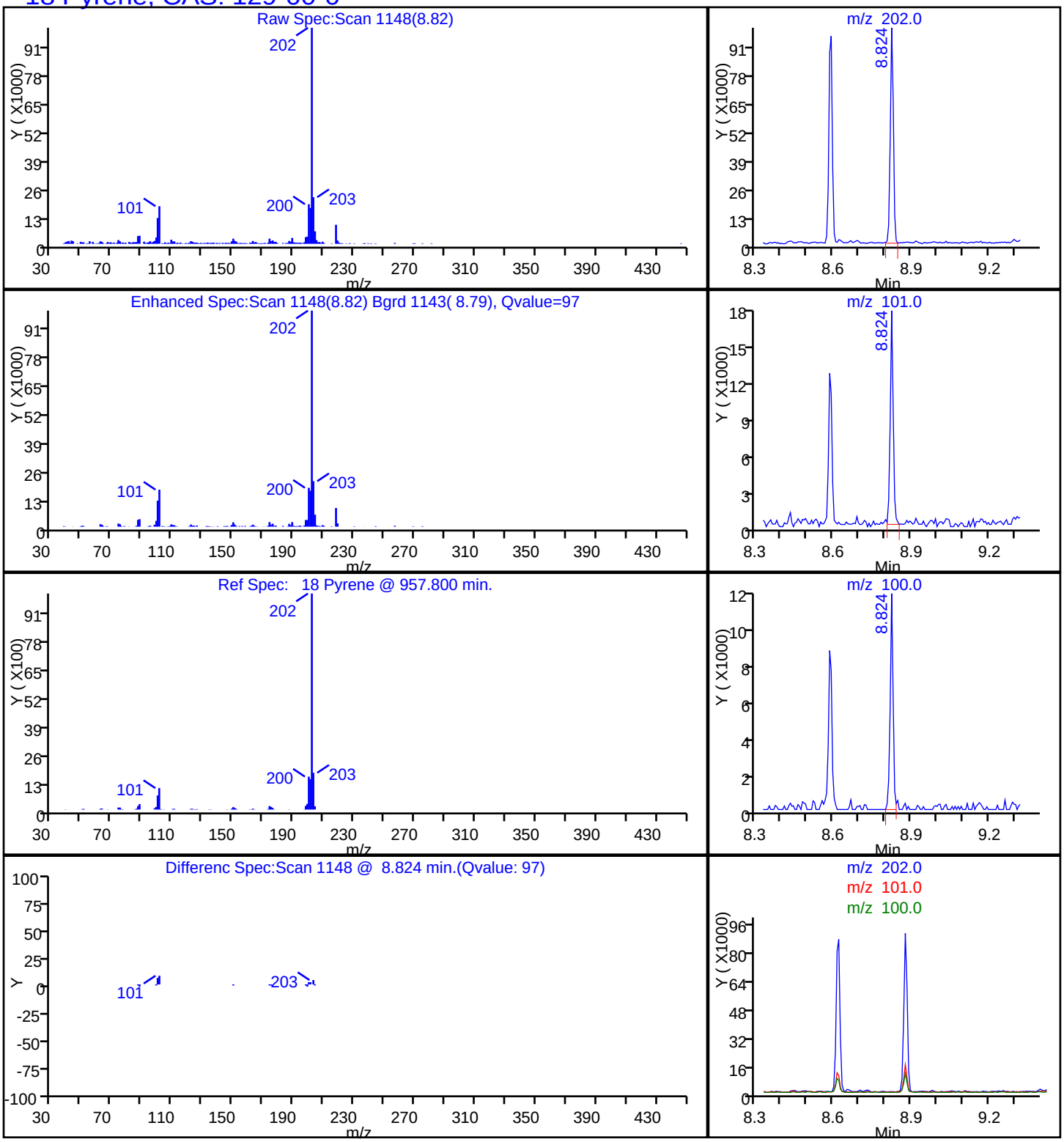


Report Date: 05-Sep-2014 12:01:40 Chrom Revision: 2.2 24-Jul-2014 14:43:32

TestAmerica Savannah

Data File:	\\SAVCHROM\ChromData\CMSK\20140903-12465.b\1KI0316.D				
Injection Date:	03-Sep-2014 18:15:30	Instrument ID:	CMSK		
Lims ID:	680-104727-A-10-B	Lab Sample ID:	680-104727-10		
Client ID:	CV0268A-CS-0-4"-DUP				
Operator ID:	RM	ALS Bottle#:	16	Worklist Smp#:	16
Injection Vol:	2.0 ul	Dil. Factor:	20.0000		
Method:	8270_LLPAH_CMSK	Limit Group:	8270D_LL_PAH		
Column:	Restek RXi-5Sil MS (0.25 mm)	Detector	MS SCAN		

18 Pyrene, CAS: 129-00-0



Manual Integration/User Assign Peak Report

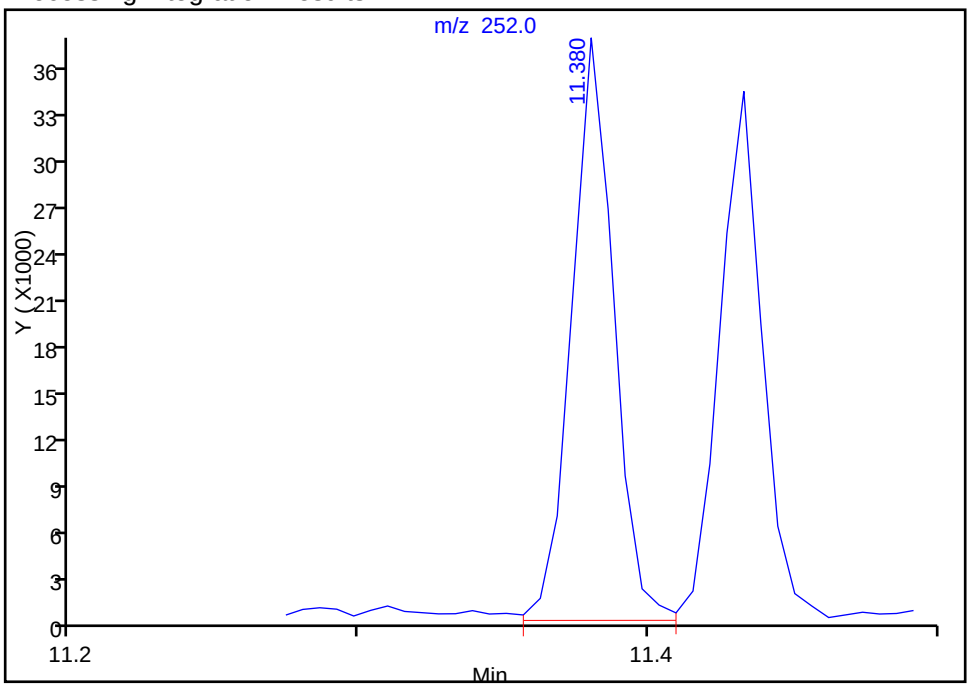
TestAmerica Savannah

Data File:	\\SAVCHROM\ChromData\CMSK\20140903-12465.b\1KI0316.D				
Injection Date:	03-Sep-2014 18:15:30	Instrument ID:	CMSK		
Lims ID:	680-104727-A-10-B	Lab Sample ID:	680-104727-10		
Client ID:	CV0268A-CS-0-4"-DUP				
Operator ID:	RM	ALS Bottle#:	16	Worklist Smp#:	16
Injection Vol:	2.0 ul	Dil. Factor:	20.0000		
Method:	8270_LLPAH_CMSK	Limit Group:	8270D_LL_PAH		
Column:	Restek RXi-5Sil MS (0.25 mm)	Detector	MS SCAN		

22 Benzo[k]fluoranthene, CAS: 207-08-9

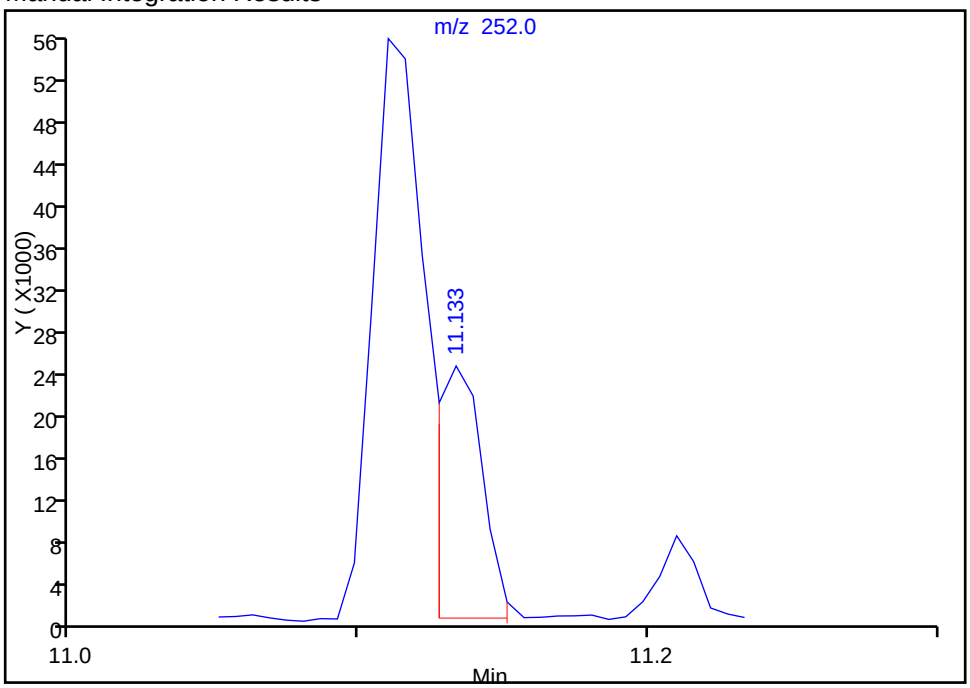
Processing Integration Results

RT: 11.38
Response: 37402
Amount: 0.306725



Manual Integration Results

RT: 11.13
Response: 26514
Amount: 0.217435



Reviewer: webbk, 04-Sep-2014 12:40:14
Audit Action: Manually Integrated
Audit Reason: Split Peak

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

Lab Name: TestAmerica Savannah Job No.: 680-104727-1 Analy Batch No.: 347120

SDG No.: 680-104727-01

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

Calibration Start Date: 09/03/2014 12:19 Calibration End Date: 09/03/2014 14:41 Calibration ID: 33803

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 680-347120/3	1KI0303.D
Level 2	IC 680-347120/7	1KI0307.D
Level 3	IC 680-347120/8	1KI0308.D
Level 4	IC 680-347120/6	1KI0306.D
Level 5	ICIS 680-347120/2	1KI0302.D
Level 6	IC 680-347120/5	1KI0305.D
Level 7	IC 680-347120/4	1KI0304.D

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5		B	M1	M2								
Naphthalene	1.0138 1.0972	1.0654 1.0727	1.0445	0.9886	1.0450	Ave		1.0467			0.7000	3.5		20.0			
2-Methylnaphthalene	0.5893 0.6612	0.6255 0.6489	0.5646	0.5509	0.6373	Ave		0.6111			0.4000	7.0		20.0			
1-Methylnaphthalene	0.5006 0.6364	0.5751 0.5997	0.5608	0.5399	0.5976	Ave		0.5729				7.8		20.0			
Dibenzofuran	+++++ +++++	+++++ +++++	+++++	+++++	0.0001	Ave		0.0001						20.0			
Acenaphthylene	1.5417 1.9795	1.7252 1.9442	1.6912	1.6425	1.8733	Ave		1.7711			0.9000	9.3		20.0			
Acenaphthene	1.0917 1.2403	1.2081 1.2010	1.1904	1.1103	1.1935	Ave		1.1765			0.9000	4.6		20.0			
Fluorene	0.9908 1.1933	1.0216 1.1496	0.9972	0.9712	1.1373	Ave		1.0658			0.9000	8.5		20.0			
Phenanthrene	1.1299 1.2176	1.1491 1.2032	1.1020	1.0828	1.1636	Ave		1.1497			0.7000	4.3		20.0			
Anthracene	0.9102 1.1831	1.0061 1.1749	1.0025	0.9637	1.1161	Ave		1.0510			0.7000	10.0		20.0			
Fluoranthene	0.9284 1.1689	0.9797 1.1802	0.9921	0.9319	1.1150	Ave		1.0423			0.6000	11.0		20.0			
Pyrene	1.5886 1.5757	1.5115 1.5527	1.4540	1.5472	1.6011	Ave		1.5473			0.6000	3.3		20.0			
Benzo[a]anthracene	0.9726 1.1187	1.0329 1.0826	1.0202	0.9758	1.1099	Ave		1.0447			0.7000	5.8		20.0			
Chrysene	0.9276 1.0654	1.0572 1.0155	0.9766	0.9477	1.0403	Ave		1.0043			0.7000	5.4		20.0			
Benzo[b]fluoranthene	1.1588 1.3486	1.2059 1.3731	1.1147	1.1169	1.2036	Ave		1.2174			0.4000	8.6		20.0			

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

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

Lab Name: TestAmerica Savannah Job No.: 680-104727-1 Analy Batch No.: 347120

SDG No.: 680-104727-01

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

Calibration Start Date: 09/03/2014 12:19 Calibration End Date: 09/03/2014 14:41 Calibration ID: 33803

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5		B	M1	M2								
Benzo[k]fluoranthene	0.9939 1.3561	1.1549 1.3221	1.2380	1.1826	1.3414	Ave		1.2270			0.4000	11.0		20.0			
Benzo[a]pyrene	0.9998 1.2124	1.0379 1.1943	1.0129	0.9824	1.1296	Ave		1.0813			0.4000	8.9		20.0			
Indeno[1,2,3-cd]pyrene	1.6630 1.0279	1.0971 0.9023	1.0044	1.1025	0.9953	QuaF		1.1065	-0.010						0.9990		0.9900
Dibenz(a,h)anthracene	1.8502 1.0435	1.0729 0.9714	0.9547	1.1925	0.9482	QuaF		1.0545	-0.004						0.9990		0.9900
Benzo[g,h,i]perylene	1.9602 1.0661	1.1940 0.9670	1.1802	1.2917	0.9558	QuaF		1.0923	-0.006						0.9990		0.9900
o-Terphenyl	1.1322 0.9510	1.0565 0.9454	0.9356	1.0812	1.0079	Ave		1.0157				7.5		20.0			

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

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

Lab Name: TestAmerica Savannah Job No.: 680-104727-1 Analy Batch No.: 347120

SDG No.: 680-104727-01

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

Calibration Start Date: 09/03/2014 12:19 Calibration End Date: 09/03/2014 14:41 Calibration ID: 33803

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 680-347120/3	1KI0303.D
Level 2	IC 680-347120/7	1KI0307.D
Level 3	IC 680-347120/8	1KI0308.D
Level 4	IC 680-347120/6	1KI0306.D
Level 5	ICIS 680-347120/2	1KI0302.D
Level 6	IC 680-347120/5	1KI0305.D
Level 7	IC 680-347120/4	1KI0304.D

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/ML)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5
Naphthalene	NPT	Ave	22239 2459018	109336 5061753	46772	236516	1205501	0.100 10.0	0.500 20.0	0.200	1.00	5.00
2-Methylnaphthalene	NPT	Ave	12927 1481964	64187 3062276	25284	131807	735224	0.100 10.0	0.500 20.0	0.200	1.00	5.00
1-Methylnaphthalene	NPT	Ave	10980 1426356	59019 2829971	25110	129165	689331	0.100 10.0	0.500 20.0	0.200	1.00	5.00
Dibenzofuran	ANT	Ave	+++++ +++++	+++++ +++++	+++++	+++++	55	+++++ +++++	+++++ +++++	+++++	+++++	5.00
Acenaphthylene	ANT	Ave	15912 2124786	82435 4329510	34093	180050	1036549	0.100 10.0	0.500 20.0	0.200	1.00	5.00
Acenaphthene	ANT	Ave	11268 1331276	57724 2674540	23996	121716	660394	0.100 10.0	0.500 20.0	0.200	1.00	5.00
Fluorene	ANT	Ave	10226 1280881	48815 2560141	20102	106461	629286	0.100 10.0	0.500 20.0	0.200	1.00	5.00
Phenanthrene	PHN	Ave	13614 1592632	63705 3146061	26910	131430	787799	0.100 10.0	0.500 20.0	0.200	1.00	5.00
Anthracene	PHN	Ave	10967 1547479	55781 3071905	24481	116980	755650	0.100 10.0	0.500 20.0	0.200	1.00	5.00
Fluoranthene	PHN	Ave	11186 1528981	54317 3085799	24227	113116	754901	0.100 10.0	0.500 20.0	0.200	1.00	5.00
Pyrene	CRY	Ave	11502 1611663	55899 3230803	24674	117020	792088	0.100 10.0	0.500 20.0	0.200	1.00	5.00
Benzo[a]anthracene	CRY	Ave	7042 1144221	38199 2252591	17312	73806	549058	0.100 10.0	0.500 20.0	0.200	1.00	5.00
Chrysene	CRY	Ave	6716 1089720	39099 2113136	16573	71676	514642	0.100 10.0	0.500 20.0	0.200	1.00	5.00
Benzo[b]fluoranthene	PRY	Ave	6844 1120549	38859 2248379	16116	69516	520812	0.100 10.0	0.500 20.0	0.200	1.00	5.00
Benzo[k]fluoranthene	PRY	Ave	5870 1126801	37213 2164912	17898	73603	580440	0.100 10.0	0.500 20.0	0.200	1.00	5.00

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

Lab Name: TestAmerica Savannah Job No.: 680-104727-1 Analy Batch No.: 347120

SDG No.: 680-104727-01

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

Calibration Start Date: 09/03/2014 12:19 Calibration End Date: 09/03/2014 14:41 Calibration ID: 33803

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/ML)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5
Benzo[a]pyrene	PRY	Ave	5905 1007383	33444 1955563	14644	61143	488789	0.100 10.0	0.500 20.0	0.200	1.00	5.00
Indeno[1,2,3-cd]pyrene	CRY	QuaF	12041 1051338	40574 1877495	17044	83384	492396	0.100 10.0	0.500 20.0	0.200	1.00	5.00
Dibenz(a,h)anthracene	PRY	QuaF	10927 867064	34571 1590630	13803	74217	410315	0.100 10.0	0.500 20.0	0.200	1.00	5.00
Benzo[g,h,i]perylene	PRY	QuaF	11577 885793	38474 1583475	17063	80394	413591	0.100 10.0	0.500 20.0	0.200	1.00	5.00
o-Terphenyl	CRY	Ave	8198 972648	39071 1967150	15877	81772	498600	0.100 10.0	0.500 20.0	0.200	1.00	5.00

Curve Type Legend:

Ave = Average ISTD
QuaF = Quadratic ISTD forced zero

TestAmerica Savannah
Target Compound Quantitation Report

Data File: \\SAVCHROM\ChromData\CMSK\20140903-12465.b\1KI0302.D
Lims ID: ICIS
Client ID:
Sample Type: ICIS Calib Level: 5
Inject. Date: 03-Sep-2014 12:19:30 ALS Bottle#: 2 Worklist Smp#: 2
Injection Vol: 2.0 ul Dil. Factor: 1.0000
Sample Info: ICIS
Misc. Info.: 680-0012465-002
Operator ID: RM Instrument ID: CMSK
Sublist: chrom-8270_LLPAH_CMSK*sub4

Method: \\SAVCHROM\ChromData\CMSK\20140903-12465.b\8270_LLPAH_CMSK.m
Limit Group: 8270D_LL_PAH
Last Update: 04-Sep-2014 12:46:25 Calib Date: 03-Sep-2014 14:41:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\SAVCHROM\ChromData\CMSK\20140903-12465.b\1KI0308.D

Column 1 : Restek RXi-5Sil MS (0.25 mm) Det: MS SCAN
Process Host: XAWRK008

First Level Reviewer: webbk Date: 03-Sep-2014 12:47:21

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
* 1 Naphthalene-d8	136	3.895	3.895	0.000	98	461429	2.00	2.00	
* 2 Acenaphthene-d10	164	5.663	5.663	0.000	91	221336	2.00	2.00	
* 3 Phenanthrene-d10	188	7.262	7.262	0.000	98	270819	2.00	2.00	
* 4 Chrysene-d12	240	10.088	10.088	0.000	99	197881	2.00	2.00	
* 5 Perylene-d12	264	11.492	11.492	0.000	97	173091	2.00	2.00	
$ 6 o-Terphenyl	230	7.708	7.708	0.000	89	498600	5.00	4.96	
7 Naphthalene	128	3.912	3.912	0.000	99	1205501	5.00	4.99	
9 2-Methylnaphthalene	142	4.582	4.582	0.000	86	735224	5.00	5.21	
8 1-Methylnaphthalene	142	4.682	4.682	0.000	93	689331	5.00	5.22	
13 Dibenzofuran	168	5.117	5.117	0.000	1	55	5.00	5.00	
11 Acenaphthylene	152	5.511	5.511	0.000	97	1036549	5.00	5.29	
12 Acenaphthene	153	5.693	5.693	0.000	94	660394	5.00	5.07	
14 Fluorene	166	6.245	6.245	0.000	95	629286	5.00	5.33	
15 Phenanthrene	178	7.285	7.285	0.000	97	787799	5.00	5.06	
16 Anthracene	178	7.344	7.344	0.000	99	755650	5.00	5.31	
17 Fluoranthene	202	8.589	8.589	0.000	99	754901	5.00	5.35	
18 Pyrene	202	8.824	8.824	0.000	97	792088	5.00	5.17	
19 Benzo[a]anthracene	228	10.076	10.076	0.000	99	549058	5.00	5.31	
20 Chrysene	228	10.111	10.111	0.000	98	514642	5.00	5.18	
21 Benzo[b]fluoranthene	252	11.110	11.110	0.000	98	520812	5.00	4.94	
22 Benzo[k]fluoranthene	252	11.139	11.139	0.000	99	580440	5.00	5.47	
23 Benzo[a]pyrene	252	11.433	11.433	0.000	96	488789	5.00	5.22	
24 Indeno[1,2,3-cd]pyrene	276	12.749	12.749	0.000	97	492396	5.00	4.70	
25 Dibenz(a,h)anthracene	278	12.779	12.779	0.000	94	410315	5.00	4.58	
26 Benzo[g,h,i]perylene	276	13.125	13.125	0.000	95	413591	5.00	4.49	

Reagents:

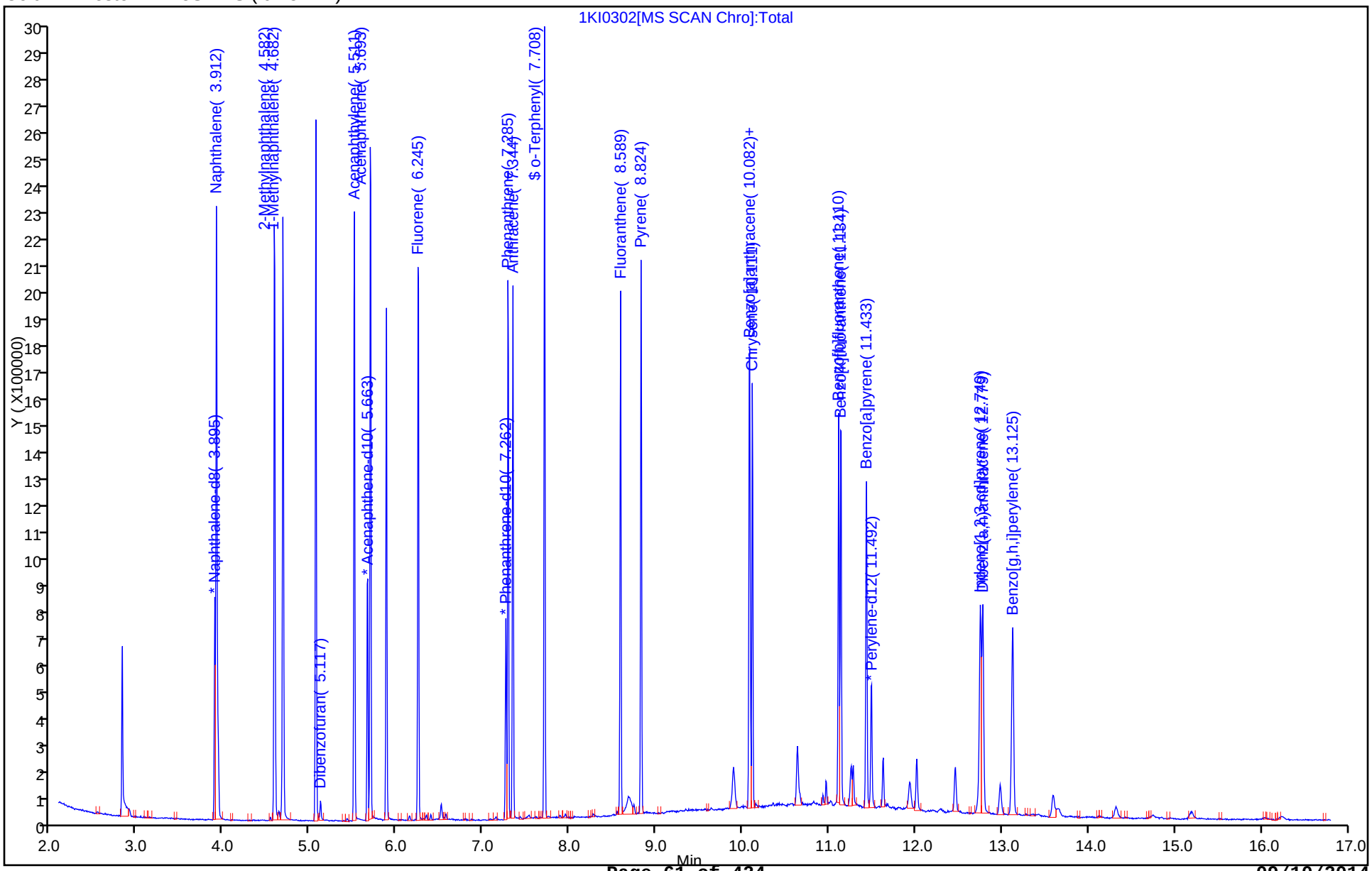
SMLLPAH5.0LVI_00022 Amount Added: 1.00 Units: mL

Report Date: 04-Sep-2014 12:46:26 Chrom Revision: 2.2 24-Jul-2014 14:43:32

TestAmerica Savannah

Data File:	\\SAVCHROM\ChromData\CMSK\20140903-12465.b\1KI0302.D				
Injection Date:	03-Sep-2014 12:19:30	Instrument ID:	CMSK	Operator ID:	RM
Lims ID:	ICIS			Worklist Smp#:	2
Client ID:					
Injection Vol:	2.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	2
Method:	8270_LLPAH_CMSK	Limit Group:	8270D_LL_PAH		

Column: Restek RXi-5Sil MS (0.25 mm)



TestAmerica Savannah
Target Compound Quantitation Report

Data File: \\SAVCHROM\ChromData\CMSK\20140903-12465.b\1KI0303.D
Lims ID: IC
Client ID:
Sample Type: IC Calib Level: 1
Inject. Date: 03-Sep-2014 12:43:30 ALS Bottle#: 3 Worklist Smp#: 3
Injection Vol: 2.0 ul Dil. Factor: 1.0000
Sample Info: IC
Misc. Info.: 680-0012465-003
Operator ID: RM Instrument ID: CMSK
Sublist: chrom-8270_LLPAH_CMSK*sub4

Method: \\SAVCHROM\ChromData\CMSK\20140903-12465.b\8270_LLPAH_CMSK.m
Limit Group: 8270D_LL_PAH
Last Update: 04-Sep-2014 12:46:27 Calib Date: 03-Sep-2014 14:41:30
Integrator: RTE ID Type: RT Order ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\SAVCHROM\ChromData\CMSK\20140903-12465.b\1KI0308.D

Column 1 : Restek RXi-5Sil MS (0.25 mm) Det: MS SCAN
Process Host: XAWRK008

First Level Reviewer: moorer Date: 03-Sep-2014 15:32:21

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
* 1 Naphthalene-d8	136	3.895	3.895	0.000	98	438706	2.00	2.00	
* 2 Acenaphthene-d10	164	5.657	5.663	-0.006	89	206428	2.00	2.00	
* 3 Phenanthrene-d10	188	7.262	7.262	0.000	98	240970	2.00	2.00	
* 4 Chrysene-d12	240	10.082	10.088	-0.006	96	144810	2.00	2.00	
* 5 Perylene-d12	264	11.492	11.492	0.000	96	118118	2.00	2.00	
$ 6 o-Terphenyl	230	7.708	7.708	0.000	85	8198	0.1000	0.1115	
7 Naphthalene	128	3.912	3.912	0.000	70	22239	0.1000	0.0969	
9 2-Methylnaphthalene	142	4.582	4.582	0.000	82	12927	0.1000	0.0964	
8 1-Methylnaphthalene	142	4.682	4.682	0.000	73	10980	0.1000	0.0874	
11 Acenaphthylene	152	5.511	5.511	0.000	85	15912	0.1000	0.0870	
12 Acenaphthene	153	5.693	5.693	0.000	76	11268	0.1000	0.0928	
14 Fluorene	166	6.245	6.245	0.000	80	10226	0.1000	0.0930	
15 Phenanthrene	178	7.285	7.285	0.000	50	13614	0.1000	0.0983	
16 Anthracene	178	7.344	7.344	0.000	80	10967	0.1000	0.0866	
17 Fluoranthene	202	8.584	8.589	-0.005	91	11186	0.1000	0.0891	
18 Pyrene	202	8.824	8.824	0.000	92	11502	0.1000	0.1027	
19 Benzo[a]anthracene	228	10.076	10.076	0.000	36	7042	0.1000	0.0931	
20 Chrysene	228	10.111	10.111	0.000	77	6716	0.1000	0.0924	
21 Benzo[b]fluoranthene	252	11.110	11.110	0.000	85	6844	0.1000	0.0952	
22 Benzo[k]fluoranthene	252	11.139	11.139	0.000	73	5870	0.1000	0.0810	
23 Benzo[a]pyrene	252	11.433	11.433	0.000	82	5905	0.1000	0.0925	
24 Indeno[1,2,3-cd]pyrene	276	12.749	12.749	0.000	83	12041	0.1000	0.1505	
25 Dibenz(a,h)anthracene	278	12.779	12.779	0.000	63	10927	0.1000	0.1756	
26 Benzo[g,h,i]perylene	276	13.119	13.125	-0.006	77	11577	0.1000	0.1796	

Reagents:

SMLLPAH0.1LVI_00019 Amount Added: 1.00 Units: mL

Report Date: 04-Sep-2014 12:46:27 Chrom Revision: 2.2 24-Jul-2014 14:43:32

TestAmerica Savannah

Data File: \\SAVCHROM\ChromData\CMSK\20140903-12465.b\1KI0303.D

Injection Date: 03-Sep-2014 12:43:30 Instrument ID: CMSK Operator ID: RM

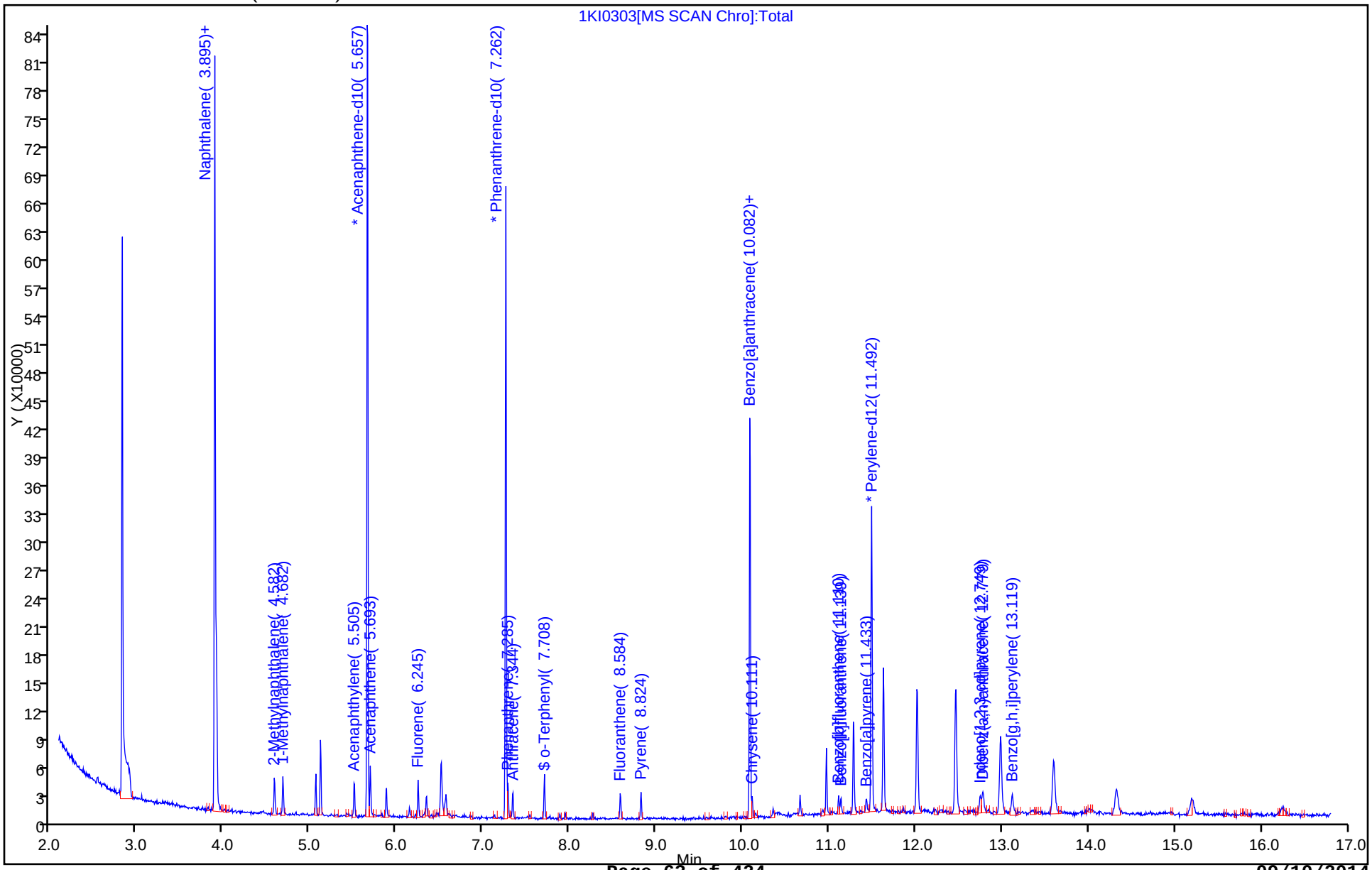
Lims ID: IC Worklist Smp#: 3

Client ID:

Injection Vol: 2.0 ul Dil. Factor: 1.0000 ALS Bottle#: 3

Method: 8270_LLPAH_CMSK Limit Group: 8270D_LL_PAH

Column: Restek RXi-5Sil MS (0.25 mm)



TestAmerica Savannah
Target Compound Quantitation Report

Data File: \\SAVCHROM\ChromData\CMSK\20140903-12465.b\1KI0304.D
Lims ID: IC
Client ID:
Sample Type: IC Calib Level: 7
Inject. Date: 03-Sep-2014 13:06:30 ALS Bottle#: 4 Worklist Smp#: 4
Injection Vol: 2.0 ul Dil. Factor: 1.0000
Sample Info: IC
Misc. Info.: 680-0012465-004
Operator ID: RM Instrument ID: CMSK
Sublist: chrom-8270_LLPAH_CMSK*sub4

Method: \\SAVCHROM\ChromData\CMSK\20140903-12465.b\8270_LLPAH_CMSK.m
Limit Group: 8270D_LL_PAH
Last Update: 04-Sep-2014 12:46:28 Calib Date: 03-Sep-2014 14:41:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\SAVCHROM\ChromData\CMSK\20140903-12465.b\1KI0308.D

Column 1 : Restek RXi-5Sil MS (0.25 mm) Det: MS SCAN
Process Host: XAWRK008

First Level Reviewer: webbk Date: 03-Sep-2014 14:37:22

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
* 1 Naphthalene-d8	136	3.895	3.895	0.000	98	471890	2.00	2.00	
* 2 Acenaphthene-d10	164	5.663	5.663	0.000	90	222691	2.00	2.00	
* 3 Phenanthrene-d10	188	7.261	7.262	-0.001	98	261464	2.00	2.00	
* 4 Chrysene-d12	240	10.093	10.088	0.005	99	208078	2.00	2.00	
* 5 Perylene-d12	264	11.492	11.492	0.000	98	163744	2.00	2.00	
$ 6 o-Terphenyl	230	7.714	7.708	0.006	89	1967150	20.0	18.6	
7 Naphthalene	128	3.918	3.912	0.006	99	5061753	20.0	20.5	
9 2-Methylnaphthalene	142	4.588	4.582	0.006	86	3062276	20.0	21.2	
8 1-Methylnaphthalene	142	4.688	4.682	0.006	92	2829971	20.0	20.9	
11 Acenaphthylene	152	5.511	5.511	-0.001	97	4329510	20.0	22.0	
12 Acenaphthene	153	5.699	5.693	0.006	93	2674540	20.0	20.4	
14 Fluorene	166	6.251	6.245	0.006	95	2560141	20.0	21.6	
15 Phenanthrene	178	7.291	7.285	0.006	97	3146061	20.0	20.9	
16 Anthracene	178	7.350	7.344	0.006	99	3071905	20.0	22.4	
17 Fluoranthene	202	8.595	8.589	0.006	98	3085799	20.0	22.6	
18 Pyrene	202	8.830	8.824	0.006	98	3230803	20.0	20.1	
19 Benzo[a]anthracene	228	10.082	10.076	0.006	99	2252591	20.0	20.7	
20 Chrysene	228	10.117	10.111	0.006	99	2113136	20.0	20.2	
21 Benzo[b]fluoranthene	252	11.122	11.110	0.012	98	2248379	20.0	22.6	
22 Benzo[k]fluoranthene	252	11.145	11.139	0.006	99	2164912	20.0	21.6	
23 Benzo[a]pyrene	252	11.439	11.433	0.006	96	1955563	20.0	22.1	
24 Indeno[1,2,3-cd]pyrene	276	12.767	12.749	0.018	98	1877495	20.0	19.9	
25 Dibenz(a,h)anthracene	278	12.790	12.779	0.011	95	1590630	20.0	19.9	
26 Benzo[g,h,i]perylene	276	13.143	13.125	0.018	95	1583475	20.0	19.9	

Reagents:

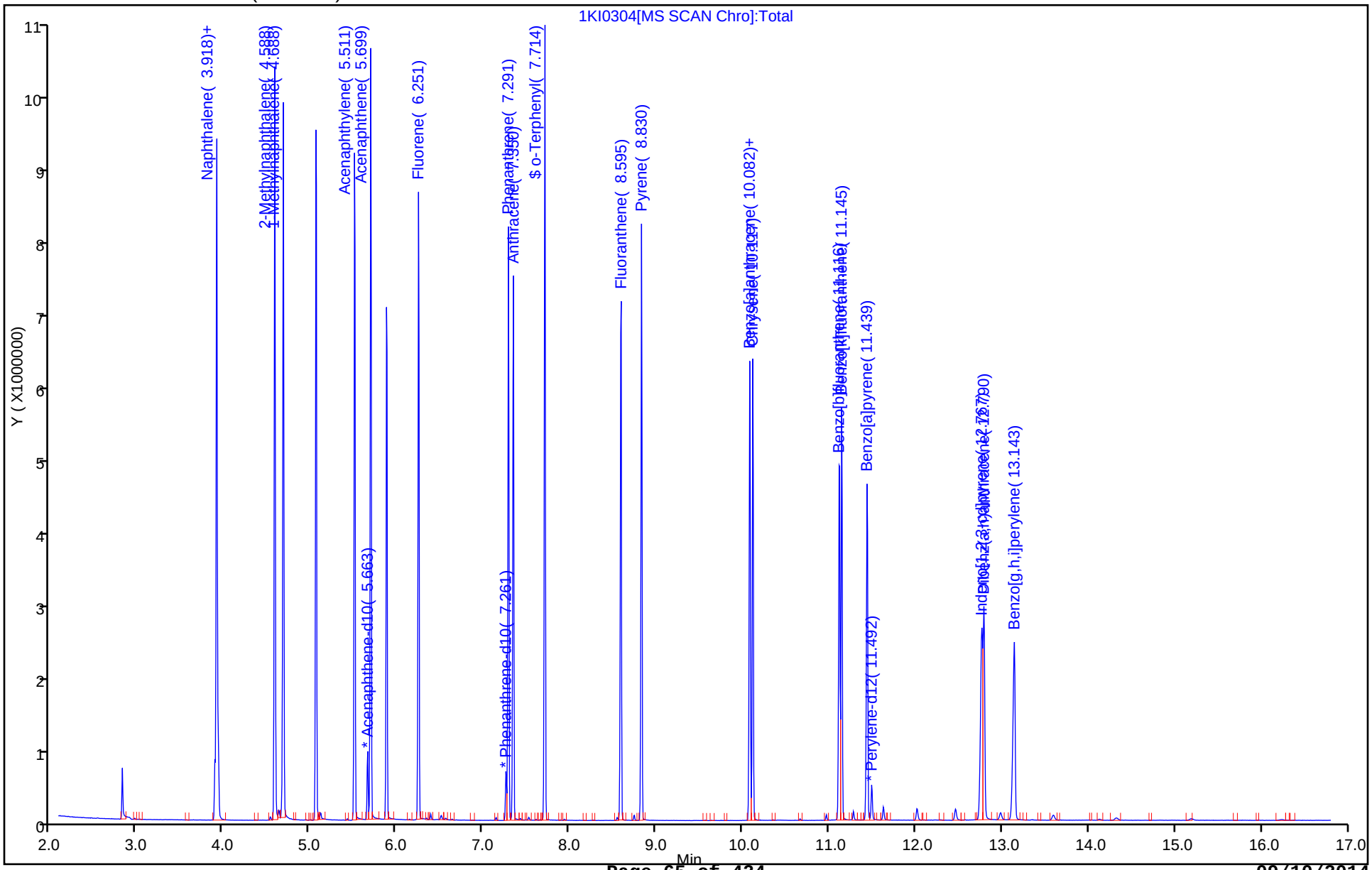
SMLLPAH20LVI_00020 Amount Added: 1.00 Units: mL

Report Date: 04-Sep-2014 12:46:29 Chrom Revision: 2.2 24-Jul-2014 14:43:32

TestAmerica Savannah

Data File:	\\SAVCHROM\ChromData\CMSK\20140903-12465.b\1KI0304.D				
Injection Date:	03-Sep-2014 13:06:30	Instrument ID:	CMSK	Operator ID:	RM
Lims ID:	IC			Worklist Smp#:	4
Client ID:					
Injection Vol:	2.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	4
Method:	8270_LLPAH_CMSK	Limit Group:	8270D_LL_PAH		

Column: Restek RXi-5Sil MS (0.25 mm)



TestAmerica Savannah
Target Compound Quantitation Report

Data File: \\SAVCHROM\ChromData\CMSK\20140903-12465.b\1KI0305.D
Lims ID: IC
Client ID:
Sample Type: IC Calib Level: 6
Inject. Date: 03-Sep-2014 13:30:30 ALS Bottle#: 5 Worklist Smp#: 5
Injection Vol: 2.0 ul Dil. Factor: 1.0000
Sample Info: IC
Misc. Info.: 680-0012465-005
Operator ID: RM Instrument ID: CMSK
Sublist: chrom-8270_LLPAH_CMSK*sub4

Method: \\SAVCHROM\ChromData\CMSK\20140903-12465.b\8270_LLPAH_CMSK.m
Limit Group: 8270D_LL_PAH
Last Update: 04-Sep-2014 12:46:30 Calib Date: 03-Sep-2014 14:41:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\SAVCHROM\ChromData\CMSK\20140903-12465.b\1KI0308.D

Column 1 : Restek RXi-5Sil MS (0.25 mm) Det: MS SCAN
Process Host: XAWRK008

First Level Reviewer: webbk Date: 03-Sep-2014 14:37:43

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
* 1 Naphthalene-d8	136	3.895	3.895	0.000	98	448249	2.00	2.00	
* 2 Acenaphthene-d10	164	5.663	5.663	0.000	92	214678	2.00	2.00	
* 3 Phenanthrene-d10	188	7.261	7.262	-0.001	98	261604	2.00	2.00	
* 4 Chrysene-d12	240	10.088	10.088	0.000	99	204560	2.00	2.00	
* 5 Perylene-d12	264	11.486	11.492	-0.006	97	166180	2.00	2.00	
$ 6 o-Terphenyl	230	7.708	7.708	0.000	89	972648	10.0	9.36	
7 Naphthalene	128	3.912	3.912	0.000	99	2459018	10.0	10.5	
9 2-Methylnaphthalene	142	4.588	4.582	0.006	86	1481964	10.0	10.8	
8 1-Methylnaphthalene	142	4.688	4.682	0.006	92	1426356	10.0	11.1	
11 Acenaphthylene	152	5.511	5.511	0.000	97	2124786	10.0	11.2	
12 Acenaphthene	153	5.699	5.693	0.006	93	1331276	10.0	10.5	
14 Fluorene	166	6.251	6.245	0.006	96	1280881	10.0	11.2	
15 Phenanthrene	178	7.291	7.285	0.006	97	1592632	10.0	10.6	
16 Anthracene	178	7.344	7.344	0.000	99	1547479	10.0	11.3	
17 Fluoranthene	202	8.589	8.589	0.000	98	1528981	10.0	11.2	
18 Pyrene	202	8.830	8.824	0.006	98	1611663	10.0	10.2	
19 Benzo[a]anthracene	228	10.082	10.076	0.006	99	1144221	10.0	10.7	
20 Chrysene	228	10.117	10.111	0.006	98	1089720	10.0	10.6	
21 Benzo[b]fluoranthene	252	11.110	11.110	0.000	98	1120549	10.0	11.1	
22 Benzo[k]fluoranthene	252	11.133	11.139	-0.006	99	1126801	10.0	11.1	
23 Benzo[a]pyrene	252	11.427	11.433	-0.006	96	1007383	10.0	11.2	
24 Indeno[1,2,3-cd]pyrene	276	12.749	12.749	0.000	97	1051338	10.0	10.3	
25 Dibenz(a,h)anthracene	278	12.773	12.779	-0.006	94	867064	10.0	10.3	
26 Benzo[g,h,i]perylene	276	13.119	13.125	-0.006	95	885793	10.0	10.4	

Reagents:

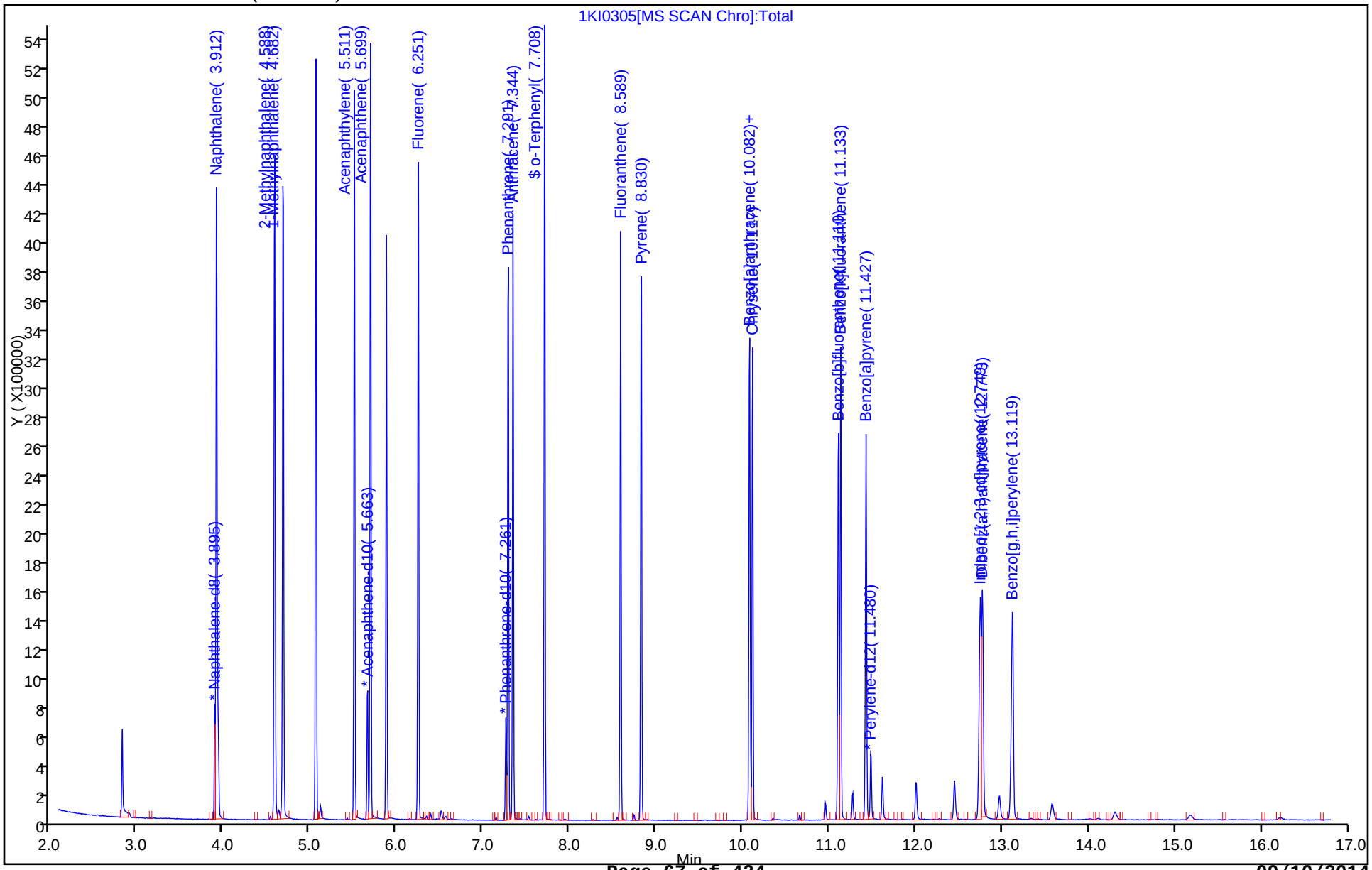
SMLLPAH10LVI_00019 Amount Added: 1.00 Units: mL

Report Date: 04-Sep-2014 12:46:30 Chrom Revision: 2.2 24-Jul-2014 14:43:32

TestAmerica Savannah

Data File:	\\SAVCHROM\ChromData\CMSK\20140903-12465.b\1KI0305.D				
Injection Date:	03-Sep-2014 13:30:30	Instrument ID:	CMSK	Operator ID:	RM
Lims ID:	IC			Worklist Smp#:	5
Client ID:					
Injection Vol:	2.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	5
Method:	8270_LLPAH_CMSK	Limit Group:	8270D_LL_PAH		

Column: Restek RXi-5Sil MS (0.25 mm)



TestAmerica Savannah
Target Compound Quantitation Report

Data File:	\\SAVCHROM\ChromData\CMSK\20140903-12465.b\1KI0306.D				
Lims ID:	IC				
Client ID:					
Sample Type:	IC	Calib Level:	4		
Inject. Date:	03-Sep-2014 13:53:30	ALS Bottle#:	6	Worklist Smp#:	6
Injection Vol:	2.0 ul	Dil. Factor:	1.0000		
Sample Info:	IC				
Misc. Info.:	680-0012465-006				
Operator ID:	RM	Instrument ID:	CMSK		
Sublist:	chrom-8270_LLPAH_CMSK*sub4				
Method:	\\SAVCHROM\ChromData\CMSK\20140903-12465.b\8270_LLPAH_CMSK.m				
Limit Group:	8270D_LL_PAH				
Last Update:	04-Sep-2014 12:46:31	Calib Date:	03-Sep-2014 14:41:30		
Integrator:	RTE	ID Type:	Deconvolution ID		
Quant Method:	Internal Standard	Quant By:	Initial Calibration		
Last ICal File:	\\SAVCHROM\ChromData\CMSK\20140903-12465.b\1KI0308.D				
Column 1 :	Restek RXi-5Sil MS (0.25 mm)		Det: MS SCAN		
Process Host:	XAWRK008				

First Level Reviewer: webbk Date: 03-Sep-2014 14:38:02

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
* 1 Naphthalene-d8	136	3.895	3.895	0.000	98	478497	2.00	2.00	
* 2 Acenaphthene-d10	164	5.663	5.663	0.000	91	219243	2.00	2.00	
* 3 Phenanthrene-d10	188	7.261	7.262	-0.001	98	242761	2.00	2.00	
* 4 Chrysene-d12	240	10.082	10.088	-0.006	99	151266	2.00	2.00	
* 5 Perylene-d12	264	11.486	11.492	-0.006	96	124476	2.00	2.00	
$ 6 o-Terphenyl	230	7.708	7.708	0.000	88	81772	1.00	1.06	
7 Naphthalene	128	3.912	3.912	0.000	99	236516	1.00	0.9444	
9 2-Methylnaphthalene	142	4.582	4.582	0.000	86	131807	1.00	0.9015	
8 1-Methylnaphthalene	142	4.682	4.682	0.000	93	129165	1.00	0.9424	
11 Acenaphthylene	152	5.511	5.511	0.000	97	180050	1.00	0.9274	
12 Acenaphthene	153	5.693	5.693	0.000	94	121716	1.00	0.9438	
14 Fluorene	166	6.245	6.245	0.000	95	106461	1.00	0.9112	
15 Phenanthrene	178	7.285	7.285	0.000	97	131430	1.00	0.9418	
16 Anthracene	178	7.338	7.344	-0.006	99	116980	1.00	0.9170	
17 Fluoranthene	202	8.583	8.589	-0.006	98	113116	1.00	0.8941	
18 Pyrene	202	8.824	8.824	0.000	97	117020	1.00	1.00	
19 Benzo[a]anthracene	228	10.076	10.076	0.000	98	73806	1.00	0.9341	
20 Chrysene	228	10.111	10.111	0.000	97	71676	1.00	0.9436	
21 Benzo[b]fluoranthene	252	11.104	11.110	-0.006	98	69516	1.00	0.9175	
22 Benzo[k]fluoranthene	252	11.128	11.139	-0.011	98	73603	1.00	0.9638	
23 Benzo[a]pyrene	252	11.421	11.433	-0.012	95	61143	1.00	0.9085	
24 Indeno[1,2,3-cd]pyrene	276	12.737	12.749	-0.012	97	83384	1.00	1.01	
25 Dibenz(a,h)anthracene	278	12.773	12.779	-0.006	95	74217	1.00	1.14	
26 Benzo[g,h,i]perylene	276	13.108	13.125	-0.017	95	80394	1.00	1.19	

Reagents:

SMLLPAH1.0LVI_00017 Amount Added: 1.00 Units: mL

Report Date: 04-Sep-2014 12:46:32 Chrom Revision: 2.2 24-Jul-2014 14:43:32

TestAmerica Savannah

Data File: \\SAVCHROM\ChromData\CMSK\20140903-12465.b\1KI0306.D

Injection Date: 03-Sep-2014 13:53:30 Instrument ID: CMSK Operator ID: RM

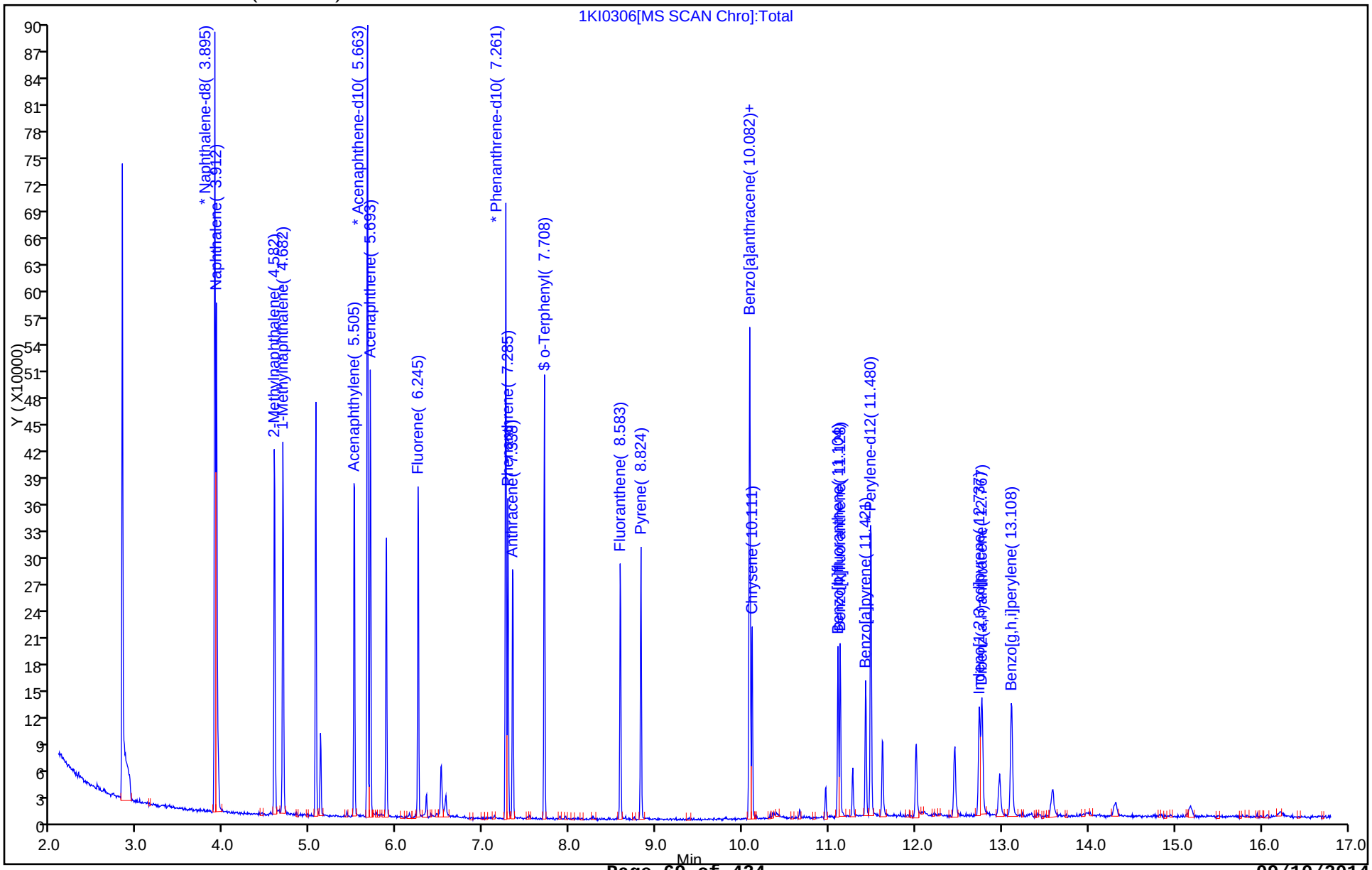
Lims ID: IC Worklist Smp#: 6

Client ID:

Injection Vol: 2.0 ul Dil. Factor: 1.0000 ALS Bottle#: 6

Method: 8270_LLPAH_CMSK Limit Group: 8270D_LL_PAH

Column: Restek RXi-5Sil MS (0.25 mm)



TestAmerica Savannah
Target Compound Quantitation Report

Data File: \\SAVCHROM\ChromData\CMSK\20140903-12465.b\1KI0307.D
Lims ID: IC
Client ID:
Sample Type: IC Calib Level: 3
Inject. Date: 03-Sep-2014 14:17:30 ALS Bottle#: 7 Worklist Smp#: 7
Injection Vol: 2.0 ul Dil. Factor: 1.0000
Sample Info: IC
Misc. Info.: 680-0012465-007
Operator ID: RM Instrument ID: CMSK
Sublist: chrom-8270_LLPAH_CMSK*sub4

Method: \\SAVCHROM\ChromData\CMSK\20140903-12465.b\8270_LLPAH_CMSK.m
Limit Group: 8270D_LL_PAH
Last Update: 04-Sep-2014 12:46:34 Calib Date: 03-Sep-2014 14:41:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\SAVCHROM\ChromData\CMSK\20140903-12465.b\1KI0308.D

Column 1 : Restek RXi-5Sil MS (0.25 mm) Det: MS SCAN
Process Host: XAWRK008

First Level Reviewer: webbk Date: 03-Sep-2014 14:45:41

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
* 1 Naphthalene-d8	136	3.895	3.895	0.000	98	410481	2.00	2.00	
* 2 Acenaphthene-d10	164	5.663	5.663	0.000	91	191126	2.00	2.00	
* 3 Phenanthrene-d10	188	7.261	7.262	-0.001	98	221761	2.00	2.00	
* 4 Chrysene-d12	240	10.082	10.088	-0.006	98	147932	2.00	2.00	
* 5 Perylene-d12	264	11.486	11.492	-0.006	96	128891	2.00	2.00	
$ 6 o-Terphenyl	230	7.708	7.708	0.000	89	39071	0.5000	0.5201	
7 Naphthalene	128	3.912	3.912	0.000	99	109336	0.5000	0.5089	
9 2-Methylnaphthalene	142	4.582	4.582	0.000	86	64187	0.5000	0.5117	
8 1-Methylnaphthalene	142	4.682	4.682	0.000	93	59019	0.5000	0.5020	
11 Acenaphthylene	152	5.511	5.511	0.000	98	82435	0.5000	0.4871	
12 Acenaphthene	153	5.693	5.693	0.000	93	57724	0.5000	0.5134	
14 Fluorene	166	6.245	6.245	0.000	93	48815	0.5000	0.4793	
15 Phenanthrene	178	7.285	7.285	0.000	97	63705	0.5000	0.4997	
16 Anthracene	178	7.344	7.344	0.000	99	55781	0.5000	0.4787	
17 Fluoranthene	202	8.583	8.589	-0.006	98	54317	0.5000	0.4700	
18 Pyrene	202	8.824	8.824	0.000	97	55899	0.5000	0.4884	
19 Benzo[a]anthracene	228	10.076	10.076	0.000	99	38199	0.5000	0.4944	
20 Chrysene	228	10.111	10.111	0.000	98	39099	0.5000	0.5263	
21 Benzo[b]fluoranthene	252	11.104	11.110	-0.006	97	38859	0.5000	0.4953	
22 Benzo[k]fluoranthene	252	11.133	11.139	-0.006	96	37213	0.5000	0.4706	
23 Benzo[a]pyrene	252	11.427	11.433	-0.006	96	33444	0.5000	0.4799	
24 Indeno[1,2,3-cd]pyrene	276	12.743	12.749	-0.006	97	40574	0.5000	0.4980	
25 Dibenz(a,h)anthracene	278	12.773	12.779	-0.006	93	34571	0.5000	0.5097	
26 Benzo[g,h,i]perylene	276	13.114	13.125	-0.011	94	38474	0.5000	0.5483	

Reagents:

SMLLPAH0.5LVI_00019 Amount Added: 1.00 Units: mL

Report Date: 04-Sep-2014 12:46:34 Chrom Revision: 2.2 24-Jul-2014 14:43:32

TestAmerica Savannah

Data File: \\SAVCHROM\ChromData\CMSK\20140903-12465.b\1KI0307.D

Injection Date: 03-Sep-2014 14:17:30 Instrument ID: CMSK Operator ID: RM

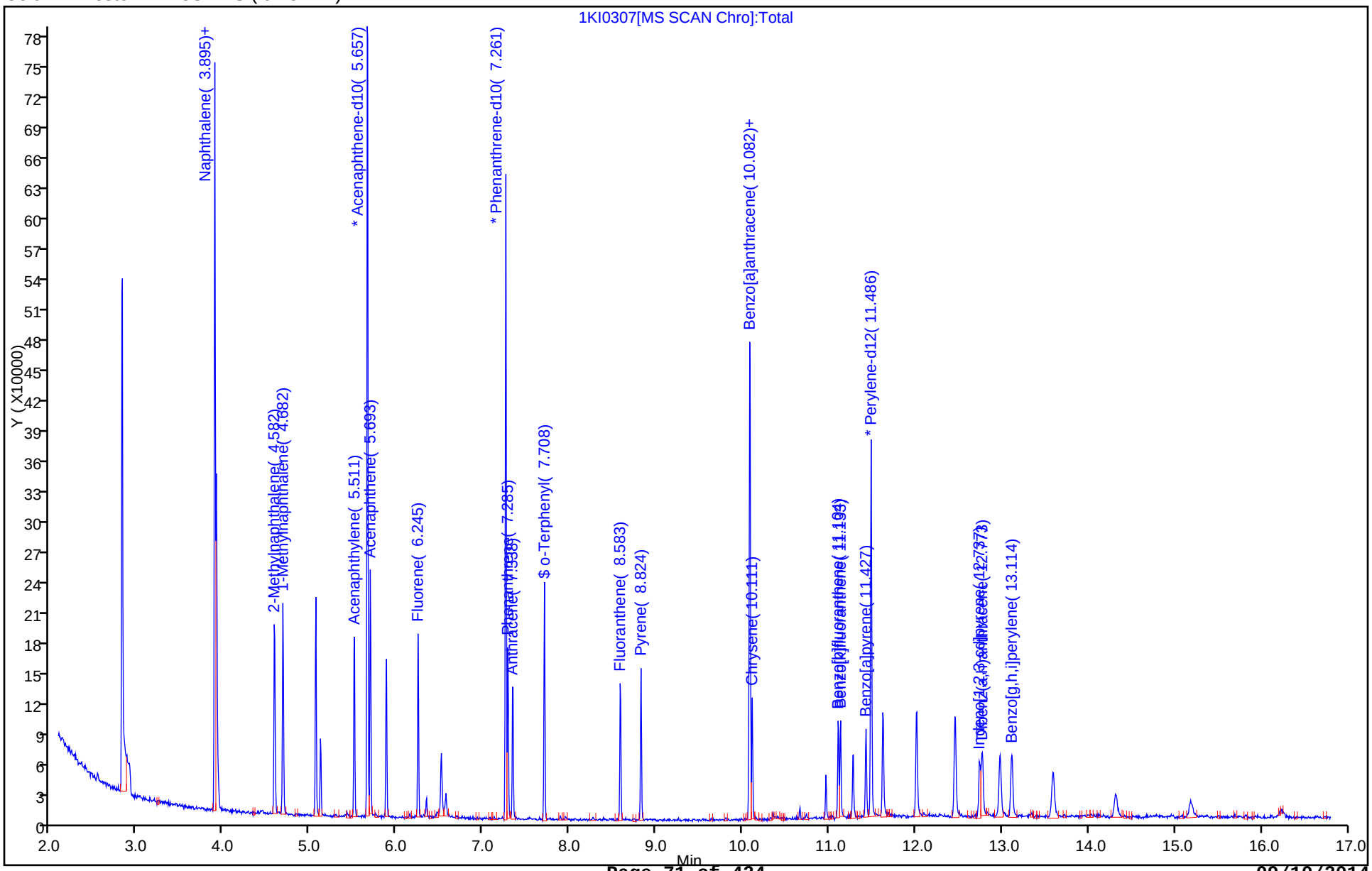
Lims ID: IC Worklist Smp#: 7

Client ID:

Injection Vol: 2.0 ul Dil. Factor: 1.0000 ALS Bottle#: 7

Method: 8270_LLPAH_CMSK Limit Group: 8270D_LL_PAH

Column: Restek RXi-5Sil MS (0.25 mm)



TestAmerica Savannah
Target Compound Quantitation Report

Data File: \\SAVCHROM\ChromData\CMSK\20140903-12465.b\1KI0308.D
Lims ID: IC
Client ID:
Sample Type: IC Calib Level: 2
Inject. Date: 03-Sep-2014 14:41:30 ALS Bottle#: 8 Worklist Smp#: 8
Injection Vol: 2.0 ul Dil. Factor: 1.0000
Sample Info: IC
Misc. Info.: 680-0012465-008
Operator ID: RM Instrument ID: CMSK
Sublist: chrom-8270_LLPAH_CMSK*sub4

Method: \\SAVCHROM\ChromData\CMSK\20140903-12465.b\8270_LLPAH_CMSK.m
Limit Group: 8270D_LL_PAH
Last Update: 04-Sep-2014 12:46:35 Calib Date: 03-Sep-2014 14:41:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\SAVCHROM\ChromData\CMSK\20140903-12465.b\1KI0308.D

Column 1 : Restek RXi-5Sil MS (0.25 mm) Det: MS SCAN
Process Host: XAWRK008

First Level Reviewer: webbk Date: 03-Sep-2014 15:31:17

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
* 1 Naphthalene-d8	136	3.895	3.895	0.000	98	447786	2.00	2.00	
* 2 Acenaphthene-d10	164	5.663	5.663	0.000	92	201585	2.00	2.00	
* 3 Phenanthrene-d10	188	7.261	7.262	-0.001	98	244191	2.00	2.00	
* 4 Chrysene-d12	240	10.088	10.088	0.000	99	169696	2.00	2.00	
* 5 Perylene-d12	264	11.498	11.492	0.006	96	144577	2.00	2.00	
$ 6 o-Terphenyl	230	7.708	7.708	0.000	89	15877	0.2000	0.1842	
7 Naphthalene	128	3.912	3.912	0.000	99	46772	0.2000	0.1996	
9 2-Methylnaphthalene	142	4.582	4.582	0.000	84	25284	0.2000	0.1848	
8 1-Methylnaphthalene	142	4.682	4.682	0.000	91	25110	0.2000	0.1958	
11 Acenaphthylene	152	5.510	5.511	-0.001	98	34093	0.2000	0.1910	
12 Acenaphthene	153	5.693	5.693	0.000	93	23996	0.2000	0.2024	
14 Fluorene	166	6.245	6.245	0.000	91	20102	0.2000	0.1871	
15 Phenanthrene	178	7.285	7.285	0.000	97	26910	0.2000	0.1917	
16 Anthracene	178	7.344	7.344	0.000	99	24481	0.2000	0.1908	
17 Fluoranthene	202	8.589	8.589	0.000	98	24227	0.2000	0.1904	
18 Pyrene	202	8.824	8.824	0.000	98	24674	0.2000	0.1879	
19 Benzo[a]anthracene	228	10.076	10.076	0.000	98	17312	0.2000	0.1953	
20 Chrysene	228	10.111	10.111	0.000	99	16573	0.2000	0.1945	
21 Benzo[b]fluoranthene	252	11.116	11.110	0.006	98	16116	0.2000	0.1831	
22 Benzo[k]fluoranthene	252	11.139	11.139	0.000	97	17898	0.2000	0.2018	
23 Benzo[a]pyrene	252	11.439	11.433	0.006	95	14644	0.2000	0.1873	
24 Indeno[1,2,3-cd]pyrene	276	12.755	12.749	0.006	95	17044	0.2000	0.1819	
25 Dibenz(a,h)anthracene	278	12.784	12.779	0.005	92	13803	0.2000	0.1812	
26 Benzo[g,h,i]perylene	276	13.125	13.125	0.000	93	17063	0.2000	0.2164	

Reagents:

SMLLPAH0.2LVI_00018 Amount Added: 1.00 Units: mL

Report Date: 04-Sep-2014 12:46:35 Chrom Revision: 2.2 24-Jul-2014 14:43:32

TestAmerica Savannah

Data File: \\SAVCHROM\ChromData\CMSK\20140903-12465.b\1KI0308.D

Injection Date: 03-Sep-2014 14:41:30 Instrument ID: CMSK Operator ID: RM

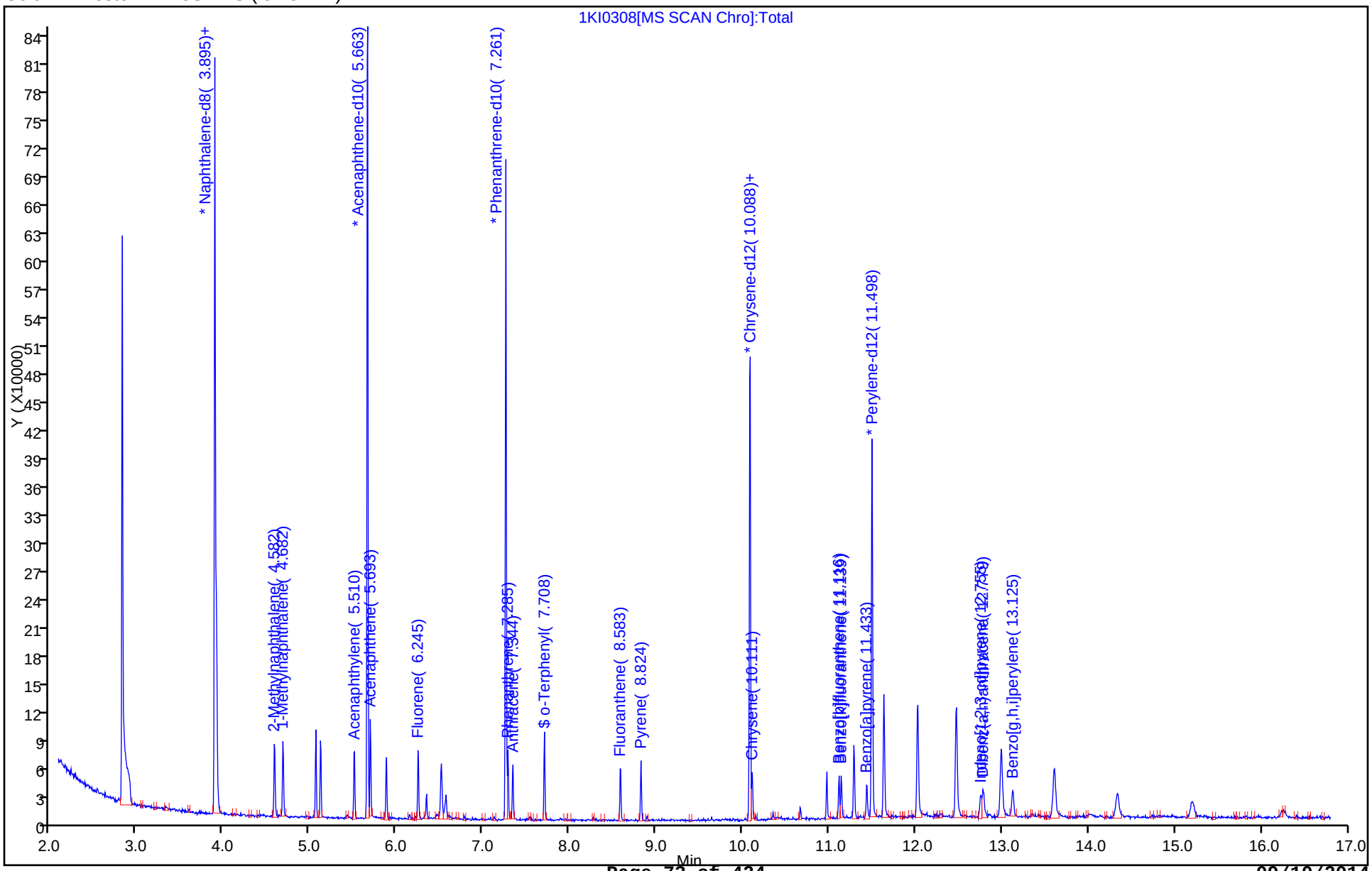
Lims ID: IC Worklist Smp#: 8

Client ID:

Injection Vol: 2.0 ul Dil. Factor: 1.0000 ALS Bottle#: 8

Method: 8270_LLPAH_CMSK Limit Group: 8270D_LL_PAH

Column: Restek RXi-5Sil MS (0.25 mm)



FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Savannah Job No.: 680-104727-1

SDG No.: 680-104727-01

Lab Sample ID: ICV 680-347120/9 Calibration Date: 09/03/2014 15:04

Instrument ID: CMSK Calib Start Date: 09/03/2014 12:19

GC Column: RXi- 5Sil MS ID: 0.25(mm) Calib End Date: 09/03/2014 14:41

Lab File ID: 1KI0309.D Conc. Units: ug/mL

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Naphthalene	Ave	1.047	0.8887	0.7000	4.25	5.00	-15.1	30.0
2-Methylnaphthalene	Ave	0.6111	0.5338	0.4000	4.37	5.00	-12.7	30.0
1-Methylnaphthalene	Ave	0.5729	0.5037		4.40	5.00	-12.1	30.0
Acenaphthylene	Ave	1.771	1.550	0.9000	4.38	5.00	-12.5	30.0
Acenaphthene	Ave	1.176	1.017	0.9000	4.32	5.00	-13.6	30.0
Fluorene	Ave	1.066	0.9405	0.9000	4.41	5.00	-11.8	30.0
Phenanthrene	Ave	1.150	0.9887	0.7000	4.30	5.00	-14.0	30.0
Anthracene	Ave	1.051	0.9426	0.7000	4.48	5.00	-10.3	30.0
Fluoranthene	Ave	1.042	0.9077	0.6000	4.35	5.00	-12.9	30.0
Pyrene	Ave	1.547	1.392	0.6000	4.50	5.00	-10.0	30.0
Benzo[a]anthracene	Ave	1.045	0.8957	0.7000	4.29	5.00	-14.3	30.0
Chrysene	Ave	1.004	0.8751	0.7000	4.36	5.00	-12.9	30.0
Benzo[b]fluoranthene	Ave	1.217	1.065	0.4000	4.38	5.00	-12.5	30.0
Benzo[k]fluoranthene	Ave	1.227	1.087	0.4000	4.43	5.00	-11.4	30.0
Benzo[a]pyrene	Ave	1.081	0.9525	0.4000	4.40	5.00	-11.9	30.0
Indeno[1,2,3-cd]pyrene	QuaF		0.7788	0.2000	3.64	5.00	-27.2	30.0
Dibenz(a,h)anthracene	QuaF		0.8066	0.2000	3.88	5.00	-22.4	30.0
Benzo[g,h,i]perylene	QuaF		0.8262	0.2000	3.87	5.00	-22.7	30.0
o-Terphenyl	Ave	1.016	0.8560		4.21	5.00	-15.7	30.0

TestAmerica Savannah
Target Compound Quantitation Report

Data File: \\SAVCHROM\ChromData\CMSK\20140903-12465.b\1KI0309.D
Lims ID: ICV
Client ID:
Sample Type: ICV
Inject. Date: 03-Sep-2014 15:04:30 ALS Bottle#: 9 Worklist Smp#: 9
Injection Vol: 2.0 ul Dil. Factor: 1.0000
Sample Info: IC
Misc. Info.: 680-0012465-009
Operator ID: RM Instrument ID: CMSK
Sublist:

Method: \\SAVCHROM\ChromData\CMSK\20140903-12465.b\8270_LLPAH_CMSK.m
Limit Group: 8270D_LL_PAH
Last Update: 04-Sep-2014 12:46:35 Calib Date: 03-Sep-2014 14:41:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\SAVCHROM\ChromData\CMSK\20140903-12465.b\1KI0308.D

Column 1 : Restek RXi-5Sil MS (0.25 mm) Det: MS SCAN
Process Host: XAWRK008

First Level Reviewer: moorer Date: 03-Sep-2014 15:34:47

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
* 1 Naphthalene-d8	136	3.895	3.895	0.000	98	492855	2.00	2.00	
* 2 Acenaphthene-d10	164	5.663	5.663	0.000	91	233134	2.00	2.00	
* 3 Phenanthrene-d10	188	7.261	7.262	-0.001	98	281766	2.00	2.00	
* 4 Chrysene-d12	240	10.088	10.088	0.000	99	196336	2.00	2.00	
* 5 Perylene-d12	264	11.486	11.492	-0.006	97	157648	2.00	2.00	
$ 6 o-Terphenyl	230	7.708	7.708	0.000	89	420177	5.00	4.21	
7 Naphthalene	128	3.912	3.912	0.000	99	1095033	5.00	4.25	
9 2-Methylnaphthalene	142	4.588	4.582	0.006	86	657682	5.00	4.37	
8 1-Methylnaphthalene	142	4.682	4.682	0.000	93	620621	5.00	4.40	
11 Acenaphthylene	152	5.511	5.511	0.000	97	903598	5.00	4.38	
12 Acenaphthene	153	5.693	5.693	0.000	94	592593	5.00	4.32	
14 Fluorene	166	6.245	6.245	0.000	95	548155	5.00	4.41	
15 Phenanthrene	178	7.285	7.285	0.000	97	696436	5.00	4.30	
16 Anthracene	178	7.344	7.344	0.000	99	663994	5.00	4.48	
17 Fluoranthene	202	8.589	8.589	0.000	98	639405	5.00	4.35	
18 Pyrene	202	8.824	8.824	0.000	97	683185	5.00	4.50	
19 Benzo[a]anthracene	228	10.076	10.076	0.000	99	439650	5.00	4.29	
20 Chrysene	228	10.111	10.111	0.000	99	429546	5.00	4.36	
21 Benzo[b]fluoranthene	252	11.110	11.110	0.000	97	419844	5.00	4.38	
22 Benzo[k]fluoranthene	252	11.133	11.139	-0.006	98	428591	5.00	4.43	
23 Benzo[a]pyrene	252	11.427	11.433	-0.006	96	375397	5.00	4.40	
24 Indeno[1,2,3-cd]pyrene	276	12.749	12.749	0.000	98	382260	5.00	3.64	
25 Dibenz(a,h)anthracene	278	12.773	12.779	-0.006	94	317886	5.00	3.88	
26 Benzo[g,h,i]perylene	276	13.119	13.125	-0.006	95	325635	5.00	3.87	

Reagents:

SMLLPAHICVLVI_00029 Amount Added: 1.00 Units: mL

Report Date: 04-Sep-2014 12:46:37 Chrom Revision: 2.2 24-Jul-2014 14:43:32

TestAmerica Savannah

Data File: \\SAVCHROM\ChromData\CMSK\20140903-12465.b\1KI0309.D

Injection Date: 03-Sep-2014 15:04:30 Instrument ID: CMSK Operator ID: RM

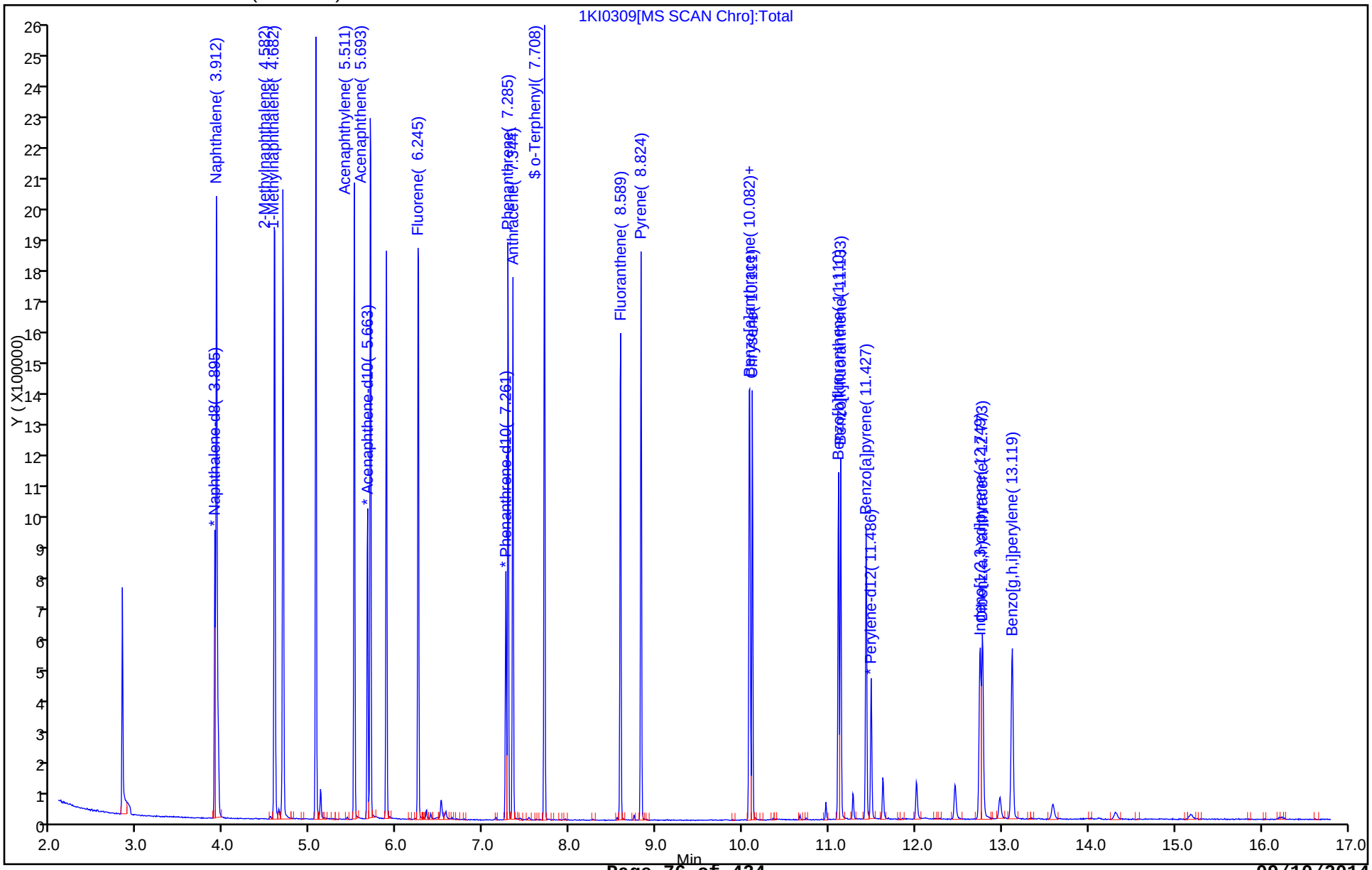
Lims ID: ICV Worklist Smp#: 9

Client ID:

Injection Vol: 2.0 ul Dil. Factor: 1.0000 ALS Bottle#: 9

Method: 8270_LLPAH_CMSK Limit Group: 8270D_LL_PAH

Column: Restek RXi-5Sil MS (0.25 mm)



TestAmerica Savannah
Target Compound Quantitation Report

Data File:	\\SAVCHROM\ChromData\CMSK\20140903-12465.b\1KI0301.D				
Lims ID:	DFTPP				
Client ID:					
Sample Type:	DFTPP				
Inject. Date:	03-Sep-2014 12:04:30	ALS Bottle#:	1	Worklist Smp#:	1
Injection Vol:	2.0 ul	Dil. Factor:	1.0000		
Sample Info:	DFTPP				
Misc. Info.:	680-0012465-001				
Operator ID:	RM	Instrument ID:	CMSK		
Method:	\\SAVCHROM\ChromData\CMSK\20140903-12465.b\8270_LLPAH_CMSK.m				
Limit Group:	8270D_LL_PAH				
Last Update:	04-Sep-2014 12:46:23	Calib Date:	03-Sep-2014 14:41:30		
Integrator:	RTE	ID Type:	Deconvolution ID		
Quant Method:	Internal Standard	Quant By:	Initial Calibration		
Last ICal File:	\\SAVCHROM\ChromData\CMSK\20140903-12465.b\1KI0308.D				
Column 1 :	Restek RXi-5Sil MS (0.25 mm)		Det: MS SCAN		
Process Host:	XAWRK008				

First Level Reviewer: webbk Date: 03-Sep-2014 12:38:07

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
27 DFTPP									
28 4,4'-DDD	235	6.592	6.592	0.000	94	8918		NR	7
29 4,4'-DDT	235	6.821	6.821	0.000	98	355449	NR	NR	7

QC Flag Legend

Processing Flags
NR - Missing Quant Standard
7 - Failed Limit of Detection

Reagents:

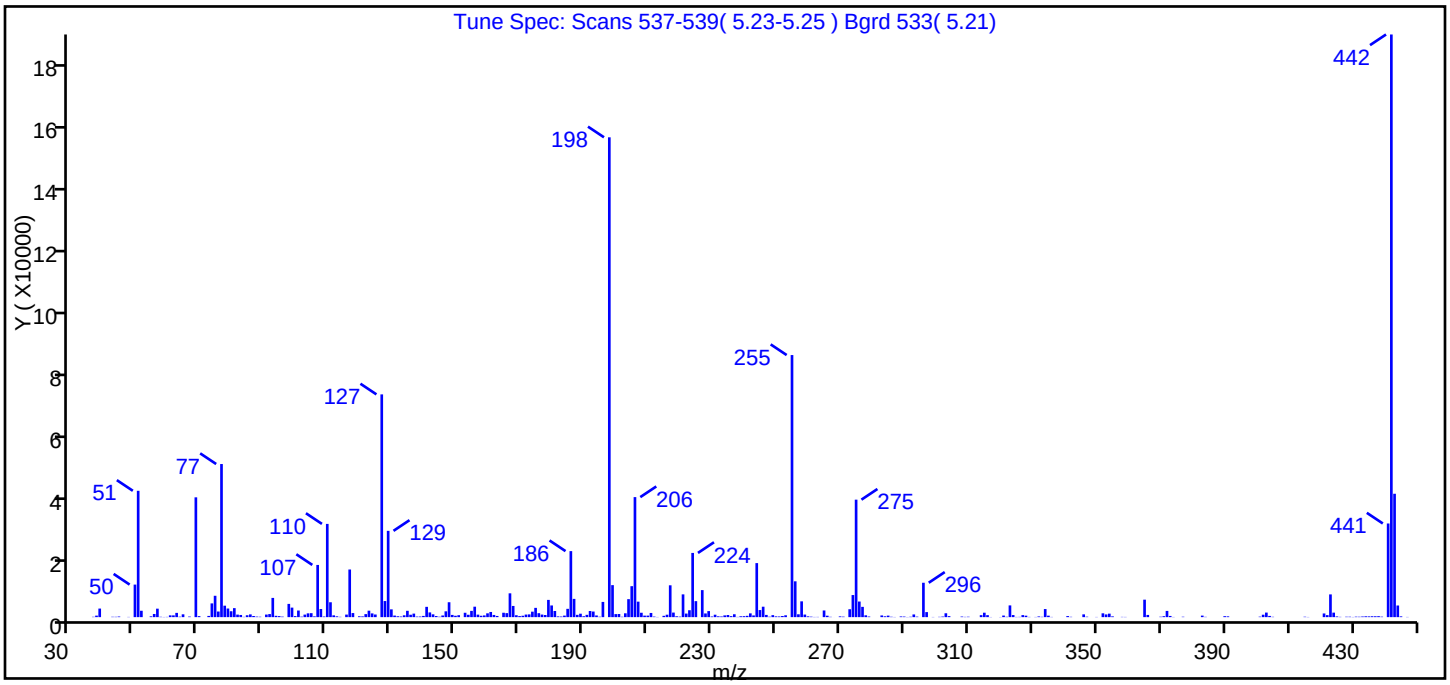
SM-LLTUNE_00073 Amount Added: 1.00 Units: mL

MS Tune Report

TestAmerica Savannah

Data File:	\\SAVCHROM\ChromData\CMSK\20140903-12465.b\1KI0301.D				
Injection Date:	03-Sep-2014 12:04:30	Instrument ID:	CMSK		
Lims ID:	DFTPP				
Client ID:					
Operator ID:	RM	ALS Bottle#:	1	Worklist Smp#:	1
Injection Vol:	2.0 ul	Dil. Factor:	1.0000		
Method:	8270_LLPAH_CMSK	Limit Group:	8270D_LL_PAH		
Tune Method:	DFTPP Method 525.2, BP 442				

27 DFTPP



m/z	Ion Abundance Criteria	% Relative Abundance
442	Base Peak, 100% relative abundance	100.00
51	10.00 - 80.00% of mass 442	21.70
68	Less than 2.00% of mass 69	0.00 (0.00)
69	Present	20.60
70	Less than 2.00% of mass 69	0.20 (0.80)
127	10.00 - 80.00% of mass 442	38.20
197	Less than 2.00% of mass 198	0.00 (0.00)
198	Greater than 50.00% of mass 442	82.40
199	5.00 - 9.00% of mass 198	5.50 (6.70)
275	10.00 - 60.00% of mass 442	20.20
365	Greater than 1.00% of mass 442	3.00
441	Present, but less than mass 443	16.10 (75.90)
443	15.00 - 24.00% of mass 442	21.20

Data File: \\SAVCHROM\ChromData\CMSK\20140903-12465.b\1KI0301.D\8270_LLPAH_CMSK.rslt\spectra.d
Injection Date: 03-Sep-2014 12:04:30
Spectrum: Tune Spec: Scans 537-539(5.23-5.25) Bgrd 533(5.21)
Base Peak: 442.00
Minimum % Base Peak: 0
Number of Points: 313

m/z	Y	m/z	Y	m/z	Y	m/z	Y
37.00	109	132.00	286	215.00	426	309.00	87
38.00	492	133.00	204	216.00	784	310.00	136
39.00	2769	134.00	595	217.00	10287	314.00	640
40.00	1	135.00	2047	218.00	1475	315.00	1433
43.00	118	136.00	777	219.00	278	316.00	641
44.00	108	137.00	1142	220.00	162	317.00	52
45.00	198	138.00	178	221.00	7358	320.00	50
48.00	70	139.00	194	222.00	1154	321.00	514
50.00	10516	140.00	397	223.00	2233	322.00	121
51.00	40816	141.00	3329	224.00	20744	323.00	3793
52.00	2064	142.00	1526	225.00	5165	324.00	671
55.00	260	143.00	907	227.00	8732	325.00	68
56.00	1021	144.00	353	228.00	1194	326.00	85
57.00	2736	145.00	134	229.00	1952	327.00	657
58.00	112	146.00	533	230.00	205	328.00	474
59.00	55	147.00	1881	231.00	784	329.00	74
60.00	78	148.00	4814	232.00	266	331.00	60
61.00	577	149.00	716	233.00	213	332.00	227
62.00	571	150.00	446	234.00	565	333.00	105
63.00	1378	151.00	626	235.00	684	334.00	2613
64.00	145	153.00	1416	236.00	320	335.00	476
65.00	913	154.00	766	237.00	934	336.00	70
67.00	186	155.00	2026	238.00	78	341.00	344
69.00	38704	156.00	3376	239.00	280	342.00	106
70.00	326	157.00	807	240.00	313	346.00	898
73.00	396	158.00	447	241.00	423	347.00	147
74.00	4442	159.00	552	242.00	1221	350.00	64
75.00	6901	160.00	1235	243.00	551	352.00	1237
76.00	1817	161.00	1671	244.00	17456	353.00	881
77.00	49464	162.00	708	245.00	2288	354.00	1129
78.00	3700	163.00	384	246.00	3371	355.00	249
79.00	2787	165.00	1421	247.00	717	358.00	83
80.00	1907	166.00	1299	248.00	141	359.00	69

Report Date: 04-Sep-2014 12:46:24 Chrom Revision: 2.2 24-Jul-2014 14:43:32
Data File: \\SAVCHROM\ChromData\CMSK\20140903-12465.b\1KI0301.D\8270_LLPAH_CMSK.rslt\spectra.d
Injection Date: 03-Sep-2014 12:04:30
Spectrum: Tune Spec: Scans 537-539(5.23-5.25) Bgrd 533(5.21)
Base Peak: 442.00
Minimum % Base Peak: 0
Number of Points: 313

m/z	Y	m/z	Y	m/z	Y	m/z	Y
81.00	2911	167.00	7694	249.00	646	365.00	5645
82.00	817	168.00	3617	250.00	245	366.00	714
83.00	700	169.00	617	251.00	218	370.00	140
84.00	90	170.00	342	252.00	366	371.00	306
85.00	611	171.00	457	253.00	596	372.00	2009
86.00	888	172.00	833	255.00	84664	373.00	387
87.00	368	173.00	890	256.00	11574	374.00	58
88.00	174	174.00	1770	257.00	920	377.00	131
89.00	128	175.00	2997	258.00	5105	383.00	496
91.00	833	176.00	1280	259.00	834	384.00	95
92.00	993	177.00	828	260.00	260	390.00	308
93.00	6215	178.00	690	261.00	152	391.00	252
94.00	429	179.00	5572	262.00	65	401.00	160
95.00	339	180.00	3775	263.00	76	402.00	783
96.00	166	181.00	1986	265.00	2156	403.00	1476
98.00	4279	182.00	242	266.00	462	404.00	394
99.00	3077	183.00	194	267.00	102	405.00	106
100.00	339	184.00	496	268.00	6	415.00	131
101.00	2140	185.00	2684	270.00	242	416.00	56
102.00	155	186.00	21328	271.00	161	421.00	1190
103.00	821	187.00	5899	273.00	2554	422.00	649
104.00	1225	188.00	744	274.00	7137	423.00	7347
105.00	1281	189.00	1110	275.00	37952	424.00	1454
106.00	246	190.00	287	276.00	5043	425.00	227
107.00	16864	191.00	743	277.00	3322	426.00	91
108.00	2623	192.00	1979	278.00	593	428.00	133
109.00	197	193.00	1809	279.00	198	429.00	137
110.00	30120	194.00	544	283.00	549	430.00	58
111.00	4807	195.00	135	284.00	275	431.00	155
112.00	582	196.00	4916	285.00	491	432.00	131
113.00	265	198.00	155008	286.00	123	433.00	206
114.00	96	199.00	10339	287.00	56	434.00	271
116.00	824	200.00	982	289.00	225	435.00	243
117.00	15391	201.00	1015	290.00	186	436.00	286

Report Date: 04-Sep-2014 12:46:24 Chrom Revision: 2.2 24-Jul-2014 14:43:32
Data File: \\SAVCHROM\ChromData\CMSK\20140903-12465.b\1KI0301.D\8270_LLPAH_CMSK.rslt\spectra.d
Injection Date: 03-Sep-2014 12:04:30
Spectrum: Tune Spec: Scans 537-539(5.23-5.25) Bgrd 533(5.21)
Base Peak: 442.00
Minimum % Base Peak: 0
Number of Points: 313

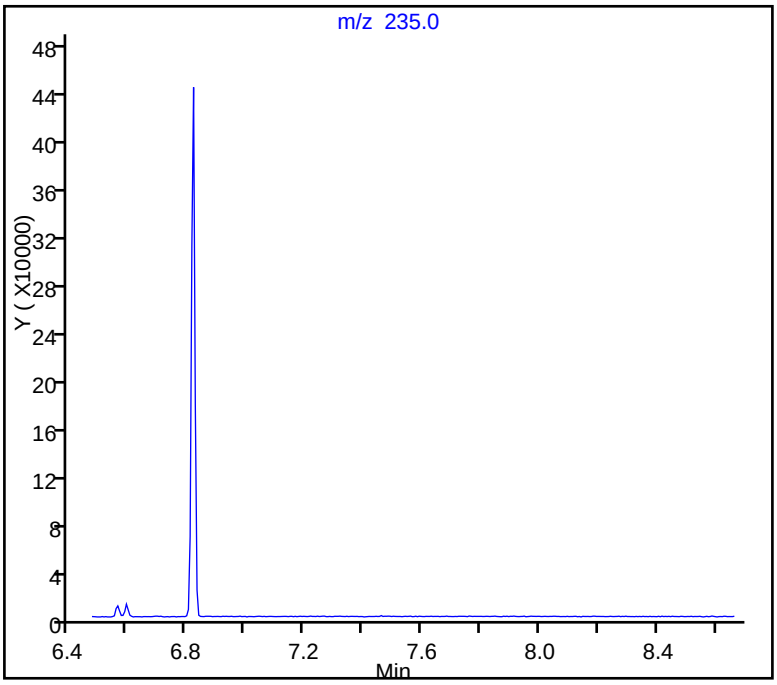
m/z	Y	m/z	Y	m/z	Y	m/z	Y
118.00	1320	202.00	119	291.00	51	437.00	277
120.00	280	203.00	1244	292.00	126	438.00	310
121.00	239	204.00	5813	293.00	871	439.00	155
122.00	975	205.00	10003	294.00	165	441.00	30256
123.00	2086	206.00	38776	296.00	11110	442.00	188224
124.00	1210	207.00	5004	297.00	1627	443.00	39856
125.00	854	208.00	1419	299.00	59	444.00	3761
127.00	71960	209.00	493	301.00	101	445.00	248
128.00	5197	210.00	491	302.00	186	447.00	62
129.00	27880	211.00	1350	303.00	1254		
130.00	2515	212.00	177	304.00	327		
131.00	507	213.00	57	308.00	190		

Breakdown Report

TestAmerica Savannah

Data File:	\\SAVCHROM\ChromData\CMSK\20140903-12465.b\1KI0301.D				
Injection Date:	03-Sep-2014 12:04:30	Instrument ID:	CMSK		
Lims ID:	DFTPP				
Client ID:					
Operator ID:	RM	ALS Bottle#:	1	Worklist Smp#:	1
Injection Vol:	2.0 ul	Dil. Factor:	1.0000		
Method:	8270_LLPAH_CMSK	Limit Group:	8270D_LL_PAH		

29 4,4'-DDT, Detector: MS SCAN



SW-846 Method

%Breakdown =
(Area Breakdown Cpnds/
Total Area Breakdown Cpnds) * 100

29 4,4'-DDT, Area = 355449
28 4,4'-DDD, Area = 8918
30 4,4'-DDE, Area = 0

%Breakdown: 2.45%, Max Limit: 20.00%
Passed

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Savannah
Job No.: 680-104727-1
SDG No.: 680-104727-01
Client Sample ID:
Lab Sample ID: MB 680-346745/7-A
Matrix: Solid
Lab File ID: 1KI0311.D
Analysis Method: 8270D_LL_PAH
Date Collected:
Extract. Method: 3546
Date Extracted: 08/30/2014 10:36
Sample wt/vol: 30.03(g)
Date Analyzed: 09/03/2014 16:16
Con. Extract Vol.: 1(mL)
Dilution Factor: 1
Injection Volume: 2(uL)
Level: (low/med) Low
% Moisture:
GPC Cleanup:(Y/N) N
Analysis Batch No.: 347120
Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
83-32-9	Acenaphthene	6.7	U	6.7	3.3
208-96-8	Acenaphthylene	6.7	U	6.7	3.3
120-12-7	Anthracene	6.7	U	6.7	3.3
56-55-3	Benzo[a]anthracene	6.7	U	6.7	3.3
50-32-8	Benzo[a]pyrene	6.7	U	6.7	1.2
205-99-2	Benzo[b]fluoranthene	6.7	U	6.7	3.3
191-24-2	Benzo[g,h,i]perylene	6.7	U	6.7	3.3
207-08-9	Benzo[k]fluoranthene	6.7	U	6.7	2.0
218-01-9	Chrysene	6.7	U	6.7	3.3
53-70-3	Dibenz(a,h)anthracene	6.7	U	6.7	3.3
206-44-0	Fluoranthene	6.7	U	6.7	3.3
86-73-7	Fluorene	6.7	U	6.7	3.3
193-39-5	Indeno[1,2,3-cd]pyrene	6.7	U	6.7	3.3
90-12-0	1-Methylnaphthalene	6.7	U	6.7	3.1
91-57-6	2-Methylnaphthalene	6.7	U	6.7	3.3
91-20-3	Naphthalene	6.7	U	6.7	3.3
85-01-8	Phenanthrene	6.7	U	6.7	2.4
129-00-0	Pyrene	6.7	U	6.7	3.3

CAS NO.	SURROGATE	%REC	Q	LIMITS
84-15-1	o-Terphenyl	68		36-131

TestAmerica Savannah
Target Compound Quantitation Report

Data File: \\SAVCHROM\ChromData\CMSK\20140903-12465.b\1KI0311.D
Lims ID: MB 680-346745/7-A
Client ID:
Sample Type: MB
Inject. Date: 03-Sep-2014 16:16:30 ALS Bottle#: 11 Worklist Smp#: 11
Injection Vol: 2.0 ul Dil. Factor: 1.0000
Sample Info: MB 680-346745/7-A
Misc. Info.: 680-0012465-011
Operator ID: RM Instrument ID: CMSK

Method: \\SAVCHROM\ChromData\CMSK\20140903-12465.b\8270_LLPAH_CMSK.m
Limit Group: 8270D_LL_PAH
Last Update: 04-Sep-2014 16:20:11 Calib Date: 03-Sep-2014 14:41:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\SAVCHROM\ChromData\CMSK\20140903-12465.b\1KI0308.D

Column 1 : Restek RXi-5Sil MS (0.25 mm) Det: MS SCAN
Process Host: XAWRK017

First Level Reviewer: moorer Date: 05-Sep-2014 11:59:33

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
* 1 Naphthalene-d8	136	3.889	3.895	-0.006	98	482548	2.00	2.00	
* 2 Acenaphthene-d10	164	5.657	5.663	-0.006	91	228193	2.00	2.00	
* 3 Phenanthrene-d10	188	7.261	7.262	-0.001	98	295745	2.00	2.00	
* 4 Chrysene-d12	240	10.088	10.088	0.000	99	194433	2.00	2.00	
* 5 Perylene-d12	264	11.504	11.492	0.012	97	153473	2.00	2.00	
$ 6 o-Terphenyl	230	7.708	7.708	0.000	89	135035	2.00	1.37	

Reagents:

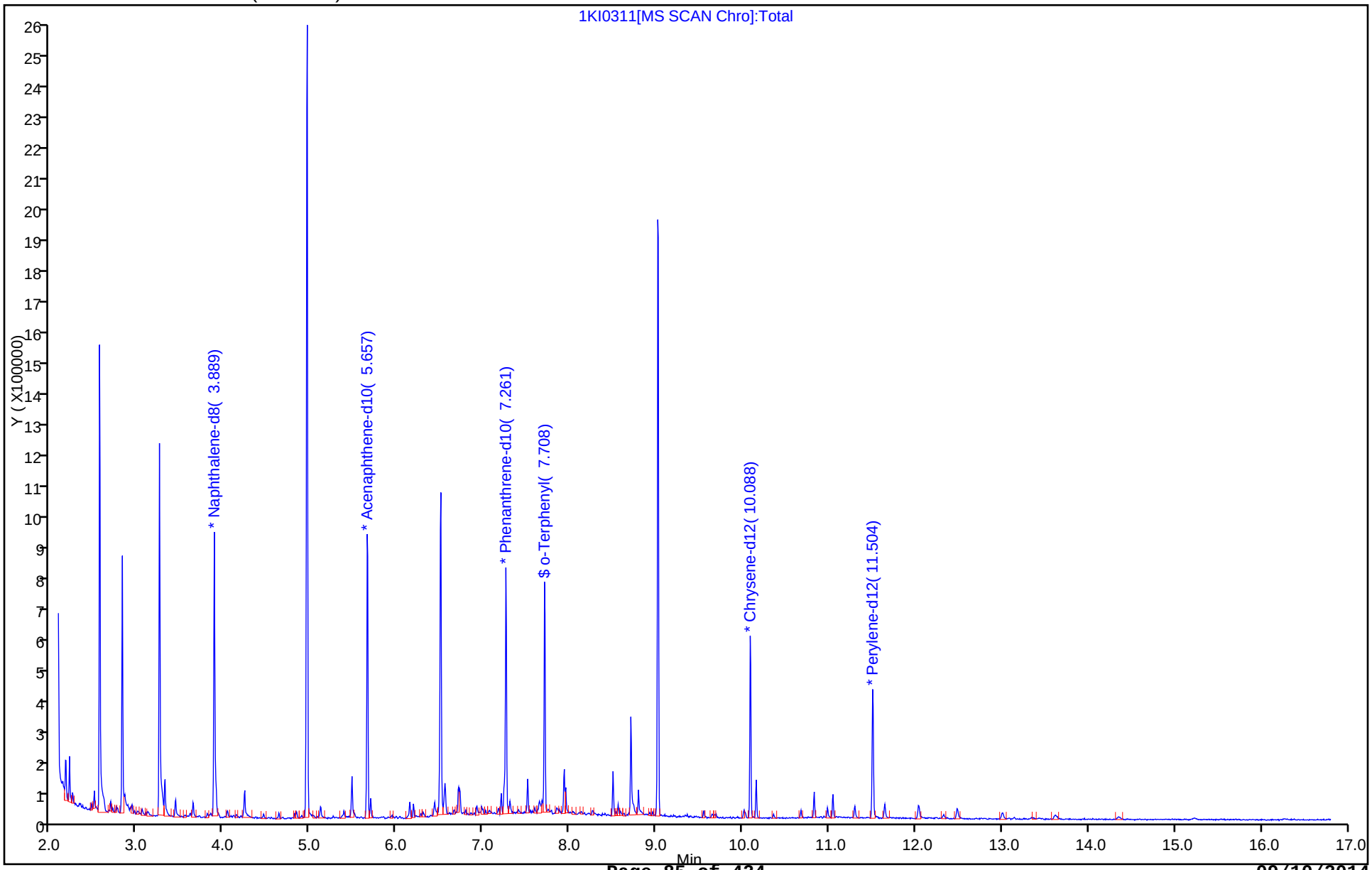
SM-LLISTD_00105 Amount Added: 10.00 Units: uL Run Reagent

Report Date: 05-Sep-2014 11:59:33 Chrom Revision: 2.2 24-Jul-2014 14:43:32

TestAmerica Savannah

Data File:	\\SAVCHROM\ChromData\CMSK\20140903-12465.b\1KI0311.D				
Injection Date:	03-Sep-2014 16:16:30	Instrument ID:	CMSK	Operator ID:	RM
Lims ID:	MB 680-346745/7-A			Worklist Smp#:	11
Client ID:					
Injection Vol:	2.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	11
Method:	8270_LLPAH_CMSK	Limit Group:	8270D_LL_PAH		

Column: Restek RXi-5Sil MS (0.25 mm)



FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Savannah | Job No.: 680-104727-1

SDG No.: 680-104727-01

Client Sample ID: | Lab Sample ID: LCS 680-346745/8-A

Matrix: Solid | Lab File ID: 1KI0312.D

Analysis Method: 8270D_LL_PAH | Date Collected:

Extract. Method: 3546 | Date Extracted: 08/30/2014 10:36

Sample wt/vol: 30.05(g) | Date Analyzed: 09/03/2014 16:39

Con. Extract Vol.: 1(mL) | Dilution Factor: 1

Injection Volume: 2(uL) | Level: (low/med) Low

% Moisture: | GPC Cleanup:(Y/N) N

Analysis Batch No.: 347120 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
83-32-9	Acenaphthene	186		6.7	3.3
208-96-8	Acenaphthylene	191		6.7	3.3
120-12-7	Anthracene	207		6.7	3.3
56-55-3	Benzo[a]anthracene	216		6.7	3.3
50-32-8	Benzo[a]pyrene	211		6.7	1.2
205-99-2	Benzo[b]fluoranthene	210		6.7	3.3
191-24-2	Benzo[g,h,i]perylene	191		6.7	3.3
207-08-9	Benzo[k]fluoranthene	207		6.7	2.0
218-01-9	Chrysene	216		6.7	3.3
53-70-3	Dibenz(a,h)anthracene	196		6.7	3.3
206-44-0	Fluoranthene	203		6.7	3.3
86-73-7	Fluorene	197		6.7	3.3
193-39-5	Indeno[1,2,3-cd]pyrene	189		6.7	3.3
90-12-0	1-Methylnaphthalene	188		6.7	3.1
91-57-6	2-Methylnaphthalene	183		6.7	3.3
91-20-3	Naphthalene	176		6.7	3.3
85-01-8	Phenanthrene	186		6.7	2.4
129-00-0	Pyrene	196		6.7	3.3

CAS NO.	SURROGATE	%REC	Q	LIMITS
84-15-1	o-Terphenyl	62		36-131

TestAmerica Savannah
Target Compound Quantitation Report

Data File: \\SAVCHROM\ChromData\CMSK\20140903-12465.b\1KI0312.D
Lims ID: LCS 680-346745/8-A
Client ID:
Sample Type: LCS
Inject. Date: 03-Sep-2014 16:39:30 ALS Bottle#: 12 Worklist Smp#: 12
Injection Vol: 2.0 ul Dil. Factor: 1.0000
Sample Info: LCS 680-346745/8-A
Misc. Info.: 680-0012465-012
Operator ID: RM Instrument ID: CMSK

Method: \\SAVCHROM\ChromData\CMSK\20140903-12465.b\8270_LLPAH_CMSK.m
Limit Group: 8270D_LL_PAH
Last Update: 04-Sep-2014 16:20:11 Calib Date: 03-Sep-2014 14:41:30
Integrator: RTE ID Type: RT Order ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\SAVCHROM\ChromData\CMSK\20140903-12465.b\1KI0308.D

Column 1 : Restek RXi-5Sil MS (0.25 mm) Det: MS SCAN
Process Host: XAWRK017

First Level Reviewer: webbk Date: 04-Sep-2014 10:47:14

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
* 1 Naphthalene-d8	136	3.895	3.895	0.000	96	508147	2.00	2.00	
* 2 Acenaphthene-d10	164	5.663	5.663	0.000	81	228757	2.00	2.00	
* 3 Phenanthrene-d10	188	7.261	7.262	-0.001	97	290737	2.00	2.00	
* 4 Chrysene-d12	240	10.088	10.088	0.000	95	210450	2.00	2.00	
* 5 Perylene-d12	264	11.480	11.492	-0.012	96	174068	2.00	2.00	
$ 6 o-Terphenyl	230	7.708	7.708	0.000	83	132987	2.00	1.24	
7 Naphthalene	128	3.912	3.912	0.000	99	1407713	10.0	5.29	
9 2-Methylnaphthalene	142	4.582	4.582	0.000	78	855230	10.0	5.51	
8 1-Methylnaphthalene	142	4.682	4.682	0.000	81	821607	10.0	5.64	
11 Acenaphthylene	152	5.511	5.511	0.000	96	1165309	10.0	5.75	
12 Acenaphthene	153	5.699	5.693	0.006	93	751816	10.0	5.59	
14 Fluorene	166	6.251	6.245	0.006	83	723317	10.0	5.93	
15 Phenanthrene	178	7.291	7.285	0.006	96	935215	10.0	5.60	
16 Anthracene	178	7.344	7.344	0.000	98	948870	10.0	6.21	
17 Fluoranthene	202	8.589	8.589	0.000	97	924960	10.0	6.10	
18 Pyrene	202	8.824	8.824	0.000	97	959315	10.0	5.89	
19 Benzo[a]anthracene	228	10.076	10.076	0.000	99	715033	10.0	6.50	
20 Chrysene	228	10.117	10.111	0.006	95	685435	10.0	6.49	
21 Benzo[b]fluoranthene	252	11.104	11.110	-0.006	97	668987	10.0	6.31	
22 Benzo[k]fluoranthene	252	11.128	11.139	-0.011	90	664472	10.0	6.22	
23 Benzo[a]pyrene	252	11.421	11.433	-0.012	93	597963	10.0	6.35	
24 Indeno[1,2,3-cd]pyrene	276	12.743	12.749	-0.006	93	627871	10.0	5.69	
25 Dibenz(a,h)anthracene	278	12.767	12.779	-0.012	94	527956	10.0	5.89	
26 Benzo[g,h,i]perylene	276	13.114	13.125	-0.011	90	528247	10.0	5.74	

Reagents:

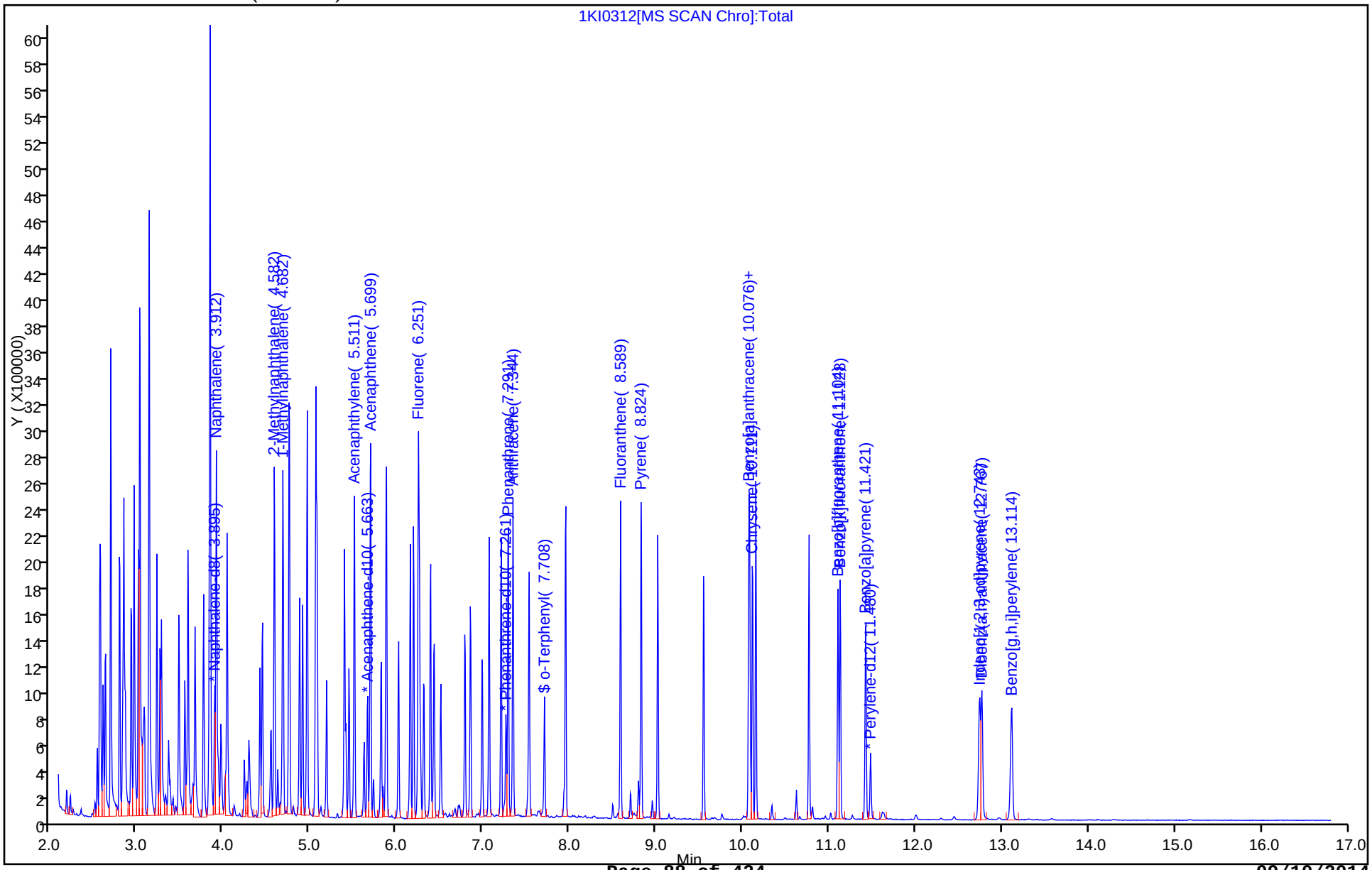
SM-LLISTD_00105 Amount Added: 10.00 Units: uL Run Reagent

Report Date: 05-Sep-2014 11:59:55 Chrom Revision: 2.2 24-Jul-2014 14:43:32

TestAmerica Savannah

Data File:	\\SAVCHROM\ChromData\CMSK\20140903-12465.b\1KI0312.D				
Injection Date:	03-Sep-2014 16:39:30	Instrument ID:	CMSK	Operator ID:	RM
Lims ID:	LCS 680-346745/8-A			Worklist Smp#:	12
Client ID:					
Injection Vol:	2.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	12
Method:	8270_LLPAH_CMSK	Limit Group:	8270D_LL_PAH		

Column: Restek RXi-5Sil MS (0.25 mm)



FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Savannah | Job No.: 680-104727-1

SDG No.: 680-104727-01

Client Sample ID: CV0815B-CS-0-4'' MS | Lab Sample ID: 680-104727-9 MS

Matrix: Solid | Lab File ID: 1KI0313.D

Analysis Method: 8270D_LL_PAH | Date Collected: 08/25/2014 17:15

Extract. Method: 3546 | Date Extracted: 08/30/2014 10:36

Sample wt/vol: 30.01(g) | Date Analyzed: 09/03/2014 17:03

Con. Extract Vol.: 1(mL) | Dilution Factor: 20

Injection Volume: 2(uL) | Level: (low/med) Low

% Moisture: 9.6 | GPC Cleanup:(Y/N) N

Analysis Batch No.: 347120 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
83-32-9	Acenaphthene	186		150	73
208-96-8	Acenaphthylene	169		150	73
120-12-7	Anthracene	193		150	73
56-55-3	Benzo[a]anthracene	282		150	73
50-32-8	Benzo[a]pyrene	270		150	27
205-99-2	Benzo[b]fluoranthene	331		150	73
191-24-2	Benzo[g,h,i]perylene	238		150	73
207-08-9	Benzo[k]fluoranthene	240		150	44
218-01-9	Chrysene	300		150	73
53-70-3	Dibenz(a,h)anthracene	199		150	73
206-44-0	Fluoranthene	366		150	73
86-73-7	Fluorene	187		150	73
193-39-5	Indeno[1,2,3-cd]pyrene	242		150	73
90-12-0	1-Methylnaphthalene	192		150	69
91-57-6	2-Methylnaphthalene	175		150	73
91-20-3	Naphthalene	191		150	73
85-01-8	Phenanthrene	276		150	53
129-00-0	Pyrene	308		150	73

CAS NO.	SURROGATE	%REC	Q	LIMITS
84-15-1	o-Terphenyl	0	D	36-131

TestAmerica Savannah
Target Compound Quantitation Report

Data File: \\SAVCHROM\ChromData\CMSK\20140903-12465.b\1KI0313.D
Lims ID: 680-104727-B-9-B MS
Client ID: CV0815B-CS-0-4"
Sample Type: MS
Inject. Date: 03-Sep-2014 17:03:30 ALS Bottle#: 13 Worklist Smp#: 13
Injection Vol: 2.0 ul Dil. Factor: 20.0000
Sample Info: 680-104727-B-9-B MS DL=20
Misc. Info.: 680-0012465-013
Operator ID: RM Instrument ID: CMSK

Method: \\SAVCHROM\ChromData\CMSK\20140903-12465.b\8270_LLPAH_CMSK.m
Limit Group: 8270D_LL_PAH
Last Update: 04-Sep-2014 16:20:11 Calib Date: 03-Sep-2014 14:41:30
Integrator: RTE ID Type: RT Order ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\SAVCHROM\ChromData\CMSK\20140903-12465.b\1KI0308.D

Column 1 : Restek RXi-5Sil MS (0.25 mm) Det: MS SCAN
Process Host: XAWRK017

First Level Reviewer: webbk Date: 04-Sep-2014 10:51:03

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
* 1 Naphthalene-d8	136	3.895	3.895	0.000	98	474772	0.1000	2.00	
* 2 Acenaphthene-d10	164	5.663	5.663	0.000	91	221416	0.1000	2.00	
* 3 Phenanthrene-d10	188	7.262	7.262	0.000	98	277324	0.1000	2.00	
* 4 Chrysene-d12	240	10.088	10.088	0.000	99	201138	0.1000	2.00	
* 5 Perylene-d12	264	11.480	11.492	-0.012	96	176682	0.1000	2.00	
7 Naphthalene	128	3.912	3.912	0.000	99	64257	0.5000	0.2586	
9 2-Methylnaphthalene	142	4.582	4.582	0.000	79	34455	0.5000	0.2375	
8 1-Methylnaphthalene	142	4.682	4.682	0.000	84	35490	0.5000	0.2610	
11 Acenaphthylene	152	5.511	5.511	0.000	96	45042	0.5000	0.2297	
12 Acenaphthene	153	5.693	5.693	0.000	88	32883	0.5000	0.2525	
14 Fluorene	166	6.245	6.245	0.000	82	29953	0.5000	0.2538	
15 Phenanthrene	178	7.285	7.285	0.000	93	59741	0.5000	0.3747	
16 Anthracene	178	7.344	7.344	0.000	95	38180	0.5000	0.2620	
17 Fluoranthene	202	8.584	8.589	-0.005	98	71636	0.5000	0.4956	
18 Pyrene	202	8.824	8.824	0.000	96	64968	0.5000	0.4175	
19 Benzo[a]anthracene	228	10.076	10.076	0.000	84	40174	0.5000	0.3824	
20 Chrysene	228	10.111	10.111	0.000	95	41149	0.5000	0.4074	
21 Benzo[b]fluoranthene	252	11.098	11.110	-0.012	95	48218	0.5000	0.4484	
22 Benzo[k]fluoranthene	252	11.128	11.139	-0.011	81	35266	0.5000	0.3254	
23 Benzo[a]pyrene	252	11.421	11.433	-0.012	94	34941	0.5000	0.3658	
24 Indeno[1,2,3-cd]pyrene	276	12.732	12.749	-0.017	89	36474	0.5000	0.3288	
25 Dibenz(a,h)anthracene	278	12.767	12.779	-0.012	82	25073	0.5000	0.2694	
26 Benzo[g,h,i]perylene	276	13.108	13.125	-0.017	86	31127	0.5000	0.3232	
29 4,4'-DDT	235	7.062	6.821	0.241	1	160		NR	7

QC Flag Legend

Processing Flags
NR - Missing Quant Standard
7 - Failed Limit of Detection

Reagents:

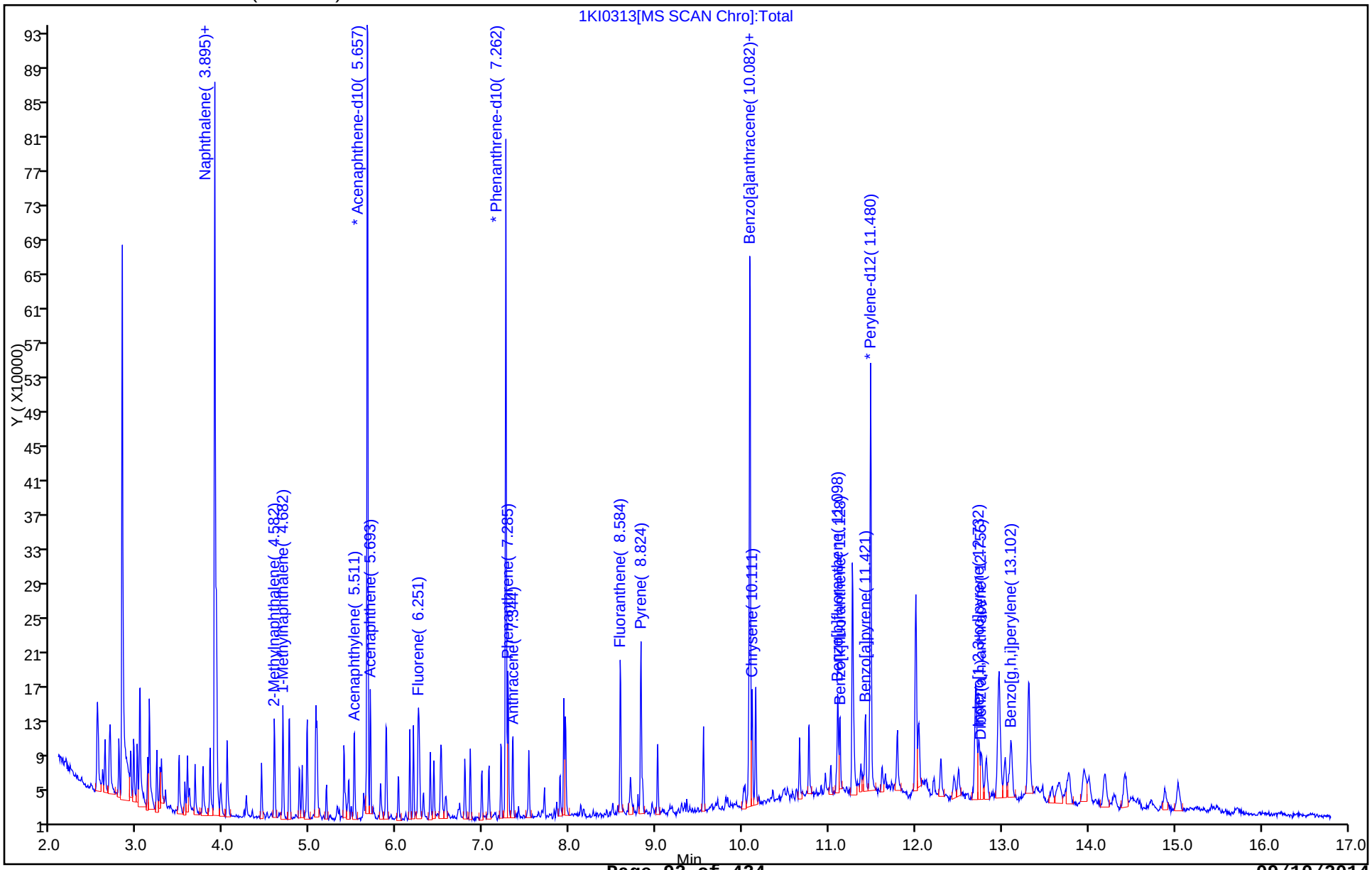
SM-LLISTD_00105	Amount Added: 10.00	Units: uL	Run Reagent

Report Date: 05-Sep-2014 12:00:20 Chrom Revision: 2.2 24-Jul-2014 14:43:32

TestAmerica Savannah

Data File:	\\SAVCHROM\ChromData\CMSK\20140903-12465.b\1KI0313.D				
Injection Date:	03-Sep-2014 17:03:30	Instrument ID:	CMSK	Operator ID:	RM
Lims ID:	680-104727-B-9-B MS			Worklist Smp#:	13
Client ID:	CV0815B-CS-0-4"				
Injection Vol:	2.0 ul	Dil. Factor:	20.0000	ALS Bottle#:	13
Method:	8270_LLPAH_CMSK	Limit Group:	8270D_LL_PAH		

Column: Restek RXi-5Sil MS (0.25 mm)



FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Savannah | Job No.: 680-104727-1

SDG No.: 680-104727-01

Client Sample ID: CV0815B-CS-0-4'' MSD | Lab Sample ID: 680-104727-9 MSD

Matrix: Solid | Lab File ID: 1KI0314.D

Analysis Method: 8270D_LL_PAH | Date Collected: 08/25/2014 17:15

Extract. Method: 3546 | Date Extracted: 08/30/2014 10:36

Sample wt/vol: 30.01(g) | Date Analyzed: 09/03/2014 17:27

Con. Extract Vol.: 1(mL) | Dilution Factor: 20

Injection Volume: 2(uL) | Level: (low/med) Low

% Moisture: 9.6 | GPC Cleanup:(Y/N) N

Analysis Batch No.: 347120 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
83-32-9	Acenaphthene	228		150	73
208-96-8	Acenaphthylene	212		150	73
120-12-7	Anthracene	245		150	73
56-55-3	Benzo[a]anthracene	367		150	73
50-32-8	Benzo[a]pyrene	349		150	27
205-99-2	Benzo[b]fluoranthene	460		150	73
191-24-2	Benzo[g,h,i]perylene	282		150	73
207-08-9	Benzo[k]fluoranthene	293		150	44
218-01-9	Chrysene	401		150	73
53-70-3	Dibenz(a,h)anthracene	216		150	73
206-44-0	Fluoranthene	456		150	73
86-73-7	Fluorene	231		150	73
193-39-5	Indeno[1,2,3-cd]pyrene	257		150	73
90-12-0	1-Methylnaphthalene	238		150	69
91-57-6	2-Methylnaphthalene	238		150	73
91-20-3	Naphthalene	219		150	73
85-01-8	Phenanthrene	328		150	53
129-00-0	Pyrene	472		150	73

CAS NO.	SURROGATE	%REC	Q	LIMITS
84-15-1	o-Terphenyl	0	D	36-131

TestAmerica Savannah
Target Compound Quantitation Report

Data File: \\SAVCHROM\ChromData\CMSK\20140903-12465.b\1KI0314.D
Lims ID: 680-104727-B-9-C MSD
Client ID: CV0815B-CS-0-4"
Sample Type: MSD
Inject. Date: 03-Sep-2014 17:27:30 ALS Bottle#: 14 Worklist Smp#: 14
Injection Vol: 2.0 ul Dil. Factor: 20.0000
Sample Info: 680-104727-B-9-C MSD DL=20
Misc. Info.: 680-0012465-014
Operator ID: RM Instrument ID: CMSK

Method: \\SAVCHROM\ChromData\CMSK\20140903-12465.b\8270_LLPAH_CMSK.m
Limit Group: 8270D_LL_PAH
Last Update: 04-Sep-2014 16:20:11 Calib Date: 03-Sep-2014 14:41:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\SAVCHROM\ChromData\CMSK\20140903-12465.b\1KI0308.D

Column 1 : Restek RXi-5Sil MS (0.25 mm) Det: MS SCAN
Process Host: XAWRK017

First Level Reviewer: webbk Date: 04-Sep-2014 10:51:29

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
* 1 Naphthalene-d8	136	3.895	3.895	0.000	98	553826	0.1000	2.00	
* 2 Acenaphthene-d10	164	5.663	5.663	0.000	92	278959	0.1000	2.00	
* 3 Phenanthrene-d10	188	7.261	7.262	-0.001	98	361200	0.1000	2.00	
* 4 Chrysene-d12	240	10.088	10.088	0.000	98	219997	0.1000	2.00	
* 5 Perylene-d12	264	11.486	11.492	-0.006	96	177639	0.1000	2.00	
7 Naphthalene	128	3.912	3.912	0.000	99	86174	0.5000	0.2973	
9 2-Methylnaphthalene	142	4.582	4.582	0.000	86	54627	0.5000	0.3228	
8 1-Methylnaphthalene	142	4.682	4.682	0.000	92	51179	0.5000	0.3226	
11 Acenaphthylene	152	5.511	5.511	0.000	98	71083	0.5000	0.2878	
12 Acenaphthene	153	5.693	5.693	0.000	94	50733	0.5000	0.3092	
14 Fluorene	166	6.245	6.245	0.000	94	46570	0.5000	0.3133	
15 Phenanthrene	178	7.285	7.285	0.000	97	92436	0.5000	0.4452	
16 Anthracene	178	7.344	7.344	0.000	99	62947	0.5000	0.3316	
17 Fluoranthene	202	8.589	8.589	0.000	98	116343	0.5000	0.6180	
18 Pyrene	202	8.824	8.824	0.000	98	108817	0.5000	0.6394	
19 Benzo[a]anthracene	228	10.076	10.076	0.000	99	57206	0.5000	0.4978	
20 Chrysene	228	10.111	10.111	0.000	98	60115	0.5000	0.5441	
21 Benzo[b]fluoranthene	252	11.104	11.110	-0.006	98	67476	0.5000	0.6240	
22 Benzo[k]fluoranthene	252	11.128	11.139	-0.011	98	43306	0.5000	0.3974	
23 Benzo[a]pyrene	252	11.427	11.433	-0.006	95	45472	0.5000	0.4735	
24 Indeno[1,2,3-cd]pyrene	276	12.737	12.749	-0.012	98	42297	0.5000	0.3486	
25 Dibenz(a,h)anthracene	278	12.773	12.779	-0.006	93	27383	0.5000	0.2927	
26 Benzo[g,h,i]perylene	276	13.114	13.125	-0.011	95	37054	0.5000	0.3828	
29 4,4'-DDT	235	7.068	6.821	0.247	64	317		NR	7

QC Flag Legend

Processing Flags
NR - Missing Quant Standard
7 - Failed Limit of Detection

Reagents:

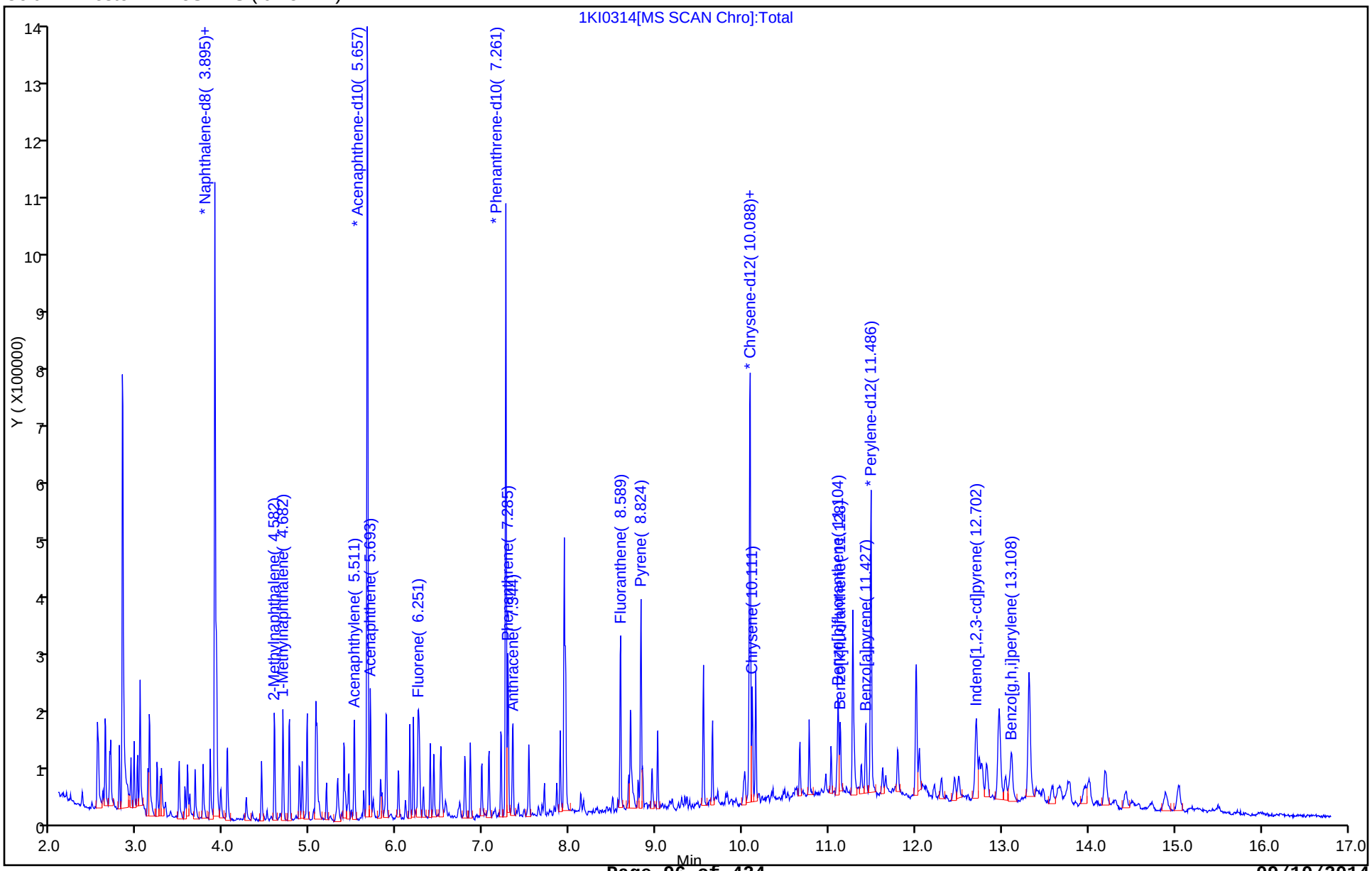
SM-LLISTD_00105	Amount Added: 10.00	Units: uL	Run Reagent

Report Date: 05-Sep-2014 12:00:54 Chrom Revision: 2.2 24-Jul-2014 14:43:32

TestAmerica Savannah

Data File:	\\SAVCHROM\ChromData\CMSK\20140903-12465.b\1KI0314.D				
Injection Date:	03-Sep-2014 17:27:30	Instrument ID:	CMSK	Operator ID:	RM
Lims ID:	680-104727-B-9-C MSD			Worklist Smp#:	14
Client ID:	CV0815B-CS-0-4"				
Injection Vol:	2.0 ul	Dil. Factor:	20.0000	ALS Bottle#:	14
Method:	8270_LLPAH_CMSK	Limit Group:	8270D_LL_PAH		

Column: Restek RXi-5Sil MS (0.25 mm)



GC/MS SEMI VOA ANALYSIS RUN LOG

Lab Name: TestAmerica Savannah Job No.: 680-104727-1

SDG No.: 680-104727-01

Instrument ID: CMSK Start Date: 09/03/2014 12:04

Analysis Batch Number: 347120 End Date: 09/03/2014 21:02

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
DFTPP 680-347120/1		09/03/2014 12:04	1	1KI0301.D	RXi- 5Sil MS 0.25(mm)
ICIS 680-347120/2		09/03/2014 12:19	1	1KI0302.D	RXi- 5Sil MS 0.25(mm)
IC 680-347120/3		09/03/2014 12:43	1	1KI0303.D	RXi- 5Sil MS 0.25(mm)
IC 680-347120/4		09/03/2014 13:06	1	1KI0304.D	RXi- 5Sil MS 0.25(mm)
IC 680-347120/5		09/03/2014 13:30	1	1KI0305.D	RXi- 5Sil MS 0.25(mm)
IC 680-347120/6		09/03/2014 13:53	1	1KI0306.D	RXi- 5Sil MS 0.25(mm)
IC 680-347120/7		09/03/2014 14:17	1	1KI0307.D	RXi- 5Sil MS 0.25(mm)
IC 680-347120/8		09/03/2014 14:41	1	1KI0308.D	RXi- 5Sil MS 0.25(mm)
ICV 680-347120/9		09/03/2014 15:04	1	1KI0309.D	RXi- 5Sil MS 0.25(mm)
ZZZZZ		09/03/2014 15:28	1		RXi- 5Sil MS 0.25(mm)
MB 680-346745/7-A		09/03/2014 16:16	1	1KI0311.D	RXi- 5Sil MS 0.25(mm)
LCS 680-346745/8-A		09/03/2014 16:39	1	1KI0312.D	RXi- 5Sil MS 0.25(mm)
680-104727-9 MS	CV0815B-CS-0-4'' MS	09/03/2014 17:03	20	1KI0313.D	RXi- 5Sil MS 0.25(mm)
680-104727-9 MSD	CV0815B-CS-0-4'' MSD	09/03/2014 17:27	20	1KI0314.D	RXi- 5Sil MS 0.25(mm)
680-104727-9	CV0815B-CS-0-4''	09/03/2014 17:51	20	1KI0315.D	RXi- 5Sil MS 0.25(mm)
680-104727-10	CV0268A-CS-0-4"-DUP	09/03/2014 18:15	20	1KI0316.D	RXi- 5Sil MS 0.25(mm)
ZZZZZ		09/03/2014 19:50	1		RXi- 5Sil MS 0.25(mm)
ZZZZZ		09/03/2014 20:14	1		RXi- 5Sil MS 0.25(mm)
ZZZZZ		09/03/2014 20:38	1		RXi- 5Sil MS 0.25(mm)
ZZZZZ		09/03/2014 21:02	1		RXi- 5Sil MS 0.25(mm)

GC/MS SEMI VOA BATCH WORKSHEET

Lab Name: TestAmerica Savannah Job No.: 680-104727-1

SDG No.: 680-104727-01

Batch Number: 346745 Batch Start Date: 08/30/14 10:36 Batch Analyst: Kicklighter, Jasmine M

Batch Method: 3546 Batch End Date: 08/30/14 11:06

Lab Sample ID	Client Sample ID	Method Chain	Basis	InitialAmount	FinalAmount	EX8270SPKL1 00012	LLBNAwkSUR 00077	AnalysisComment	
680-104727-B-9	CV0815B-CS-0-4''	3546, 8270D_LL_PAH	T	30.01 g	1 mL		1 mL		
680-104727-A-10	CV0268A-CS-0-4"-DUP	3546, 8270D_LL_PAH	T	30.01 g	1 mL		1 mL		
MB 680-346745/7		3546, 8270D_LL_PAH		30.03 g	1 mL		1 mL		
LCS 680-346745/8		3546, 8270D_LL_PAH		30.05 g	1 mL	100 uL	1 mL	8270SPIKE	
680-104727-B-9 MS	CV0815B-CS-0-4''	3546, 8270D_LL_PAH	T	30.01 g	1 mL	100 uL	1 mL	8270SPIKE	
680-104727-B-9 MSD	CV0815B-CS-0-4''	3546, 8270D_LL_PAH	T	30.01 g	1 mL	100 uL	1 mL	8270SPIKE	

Batch Notes	
Balance ID	30
Batch Comment	8270D_LL BOX LL177
Concentration End Time	1400
Concentration Start Time	1339
Person's name who did the concentration	JMK
Exchange Solvent Lot #	3738664
Exchange Solvent Name	MECL2
Filter Paper Lot Number	09-795G
Final Concentrator Volume	1 mL
MeCL2 Lot #	3664449
MeCl2/Acetone Lot #	3664449
Microwave Oven ID	1
Microwave Start Time	1036
Microwave Stop Time	1106
Na2SO4 Lot Number	3733199
Ottawa Sand Lot #	3731010
Person's name who did the prep	JMK
Person who performed Spike	JMK
Person who witnessed spiking	JS

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

GC/MS SEMI VOA BATCH WORKSHEET

Lab Name: TestAmerica Savannah Job No.: 680-104727-1

SDG No.: 680-104727-01

Batch Number: 346745 Batch Start Date: 08/30/14 10:36 Batch Analyst: Kicklighter, Jasmine M

Batch Method: 3546 Batch End Date: 08/30/14 11:06

Basis	Basis Description
T	Total/NA

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

METALS

COVER PAGE
METALS

Lab Name: TestAmerica Savannah Job Number: 680-104727-1

SDG No.: 680-104727-01

Project: 35th Avenue Superfund Site

Client Sample ID	Lab Sample ID
CV0268A-CS-0-4''	680-104727-1
CV0323A-CS-0-4''	680-104727-2
CV0222B-CS-0-4''	680-104727-3
CV1067A-CS-0-4''	680-104727-4
CV1357B-CS-0-4''	680-104727-5
HP0098B-CS-0-4''	680-104727-6
HP0237A-CS-0-4''	680-104727-7
CV0815A-CS-0-4''	680-104727-8
CV0815B-CS-0-4''	680-104727-9
CV0268A-CS-0-4"-DUP	680-104727-10

Comments:

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS

Client Sample ID: CV0268A-CS-0-4''
Lab Sample ID: 680-104727-1
Lab Name: TestAmerica Savannah
Job No.: 680-104727-1
SDG ID.: 680-104727-01
Matrix: Solid
Date Sampled: 08/25/2014 13:25
Reporting Basis: DRY
Date Received: 08/28/2014 09:30
% Solids: 88.5

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7429-90-5	Aluminum	11000	22	11	mg/Kg			1	6010C
7440-38-2	Arsenic	41	2.2	0.66	mg/Kg			1	6010C
7439-89-6	Iron	60000	22	7.8	mg/Kg			1	6010C
7439-92-1	Lead	260	1.1	0.59	mg/Kg			1	6010C

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS

Client Sample ID: CV0323A-CS-0-4''
Lab Sample ID: 680-104727-2
Lab Name: TestAmerica Savannah
Job No.: 680-104727-1
SDG ID.: 680-104727-01
Matrix: Solid
Date Sampled: 08/25/2014 14:20
Reporting Basis: DRY
Date Received: 08/28/2014 09:30
% Solids: 89.9

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7429-90-5	Aluminum	11000	21	11	mg/Kg			1	6010C
7440-38-2	Arsenic	26	2.1	0.63	mg/Kg			1	6010C
7439-89-6	Iron	49000	21	7.4	mg/Kg			1	6010C
7439-92-1	Lead	280	1.1	0.56	mg/Kg			1	6010C

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS

Client Sample ID: CV0222B-CS-0-4''
Lab Sample ID: 680-104727-3
Lab Name: TestAmerica Savannah
Job No.: 680-104727-1
SDG ID.: 680-104727-01
Matrix: Solid
Date Sampled: 08/25/2014 14:55
Reporting Basis: DRY
Date Received: 08/28/2014 09:30
% Solids: 90.3

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7429-90-5	Aluminum	12000	22	11	mg/Kg			1	6010C
7440-38-2	Arsenic	33	2.2	0.64	mg/Kg			1	6010C
7439-89-6	Iron	37000	22	7.6	mg/Kg			1	6010C
7439-92-1	Lead	110	1.1	0.58	mg/Kg			1	6010C

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS

Client Sample ID: CV1067A-CS-0-4''
Lab Sample ID: 680-104727-4
Lab Name: TestAmerica Savannah
Job No.: 680-104727-1
SDG ID.: 680-104727-01
Matrix: Solid
Date Sampled: 08/25/2014 15:30
Reporting Basis: DRY
Date Received: 08/28/2014 09:30
% Solids: 89.1

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7429-90-5	Aluminum	12000	22	11	mg/Kg			1	6010C
7440-38-2	Arsenic	24	2.2	0.65	mg/Kg			1	6010C
7439-89-6	Iron	46000	22	7.7	mg/Kg			1	6010C
7439-92-1	Lead	300	1.1	0.58	mg/Kg			1	6010C

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS

Client Sample ID: CV1357B-CS-0-4''
Lab Sample ID: 680-104727-5
Lab Name: TestAmerica Savannah
Job No.: 680-104727-1
SDG ID.: 680-104727-01
Matrix: Solid
Date Sampled: 08/25/2014 15:55
Reporting Basis: DRY
Date Received: 08/28/2014 09:30
% Solids: 91.1

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7429-90-5	Aluminum	12000	20	9.9	mg/Kg			1	6010C
7440-38-2	Arsenic	26	2.0	0.58	mg/Kg			1	6010C
7439-89-6	Iron	45000	20	6.9	mg/Kg			1	6010C
7439-92-1	Lead	340	0.99	0.52	mg/Kg			1	6010C

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS

Client Sample ID: HP0098B-CS-0-4''
Lab Sample ID: 680-104727-6
Lab Name: TestAmerica Savannah
Job No.: 680-104727-1
SDG ID.: 680-104727-01
Matrix: Solid
Date Sampled: 08/25/2014 16:15
Reporting Basis: DRY
Date Received: 08/28/2014 09:30
% Solids: 90.5

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7429-90-5	Aluminum	18000	21	10	mg/Kg			1	6010C
7440-38-2	Arsenic	44	2.1	0.61	mg/Kg			1	6010C
7439-89-6	Iron	75000	21	7.2	mg/Kg			1	6010C
7439-92-1	Lead	190	1.0	0.55	mg/Kg			1	6010C

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS

Client Sample ID: HP0237A-CS-0-4''
Lab Sample ID: 680-104727-7
Lab Name: TestAmerica Savannah
Job No.: 680-104727-1
SDG ID.: 680-104727-01
Matrix: Solid
Date Sampled: 08/25/2014 16:40
Reporting Basis: DRY
Date Received: 08/28/2014 09:30
% Solids: 93.0

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7429-90-5	Aluminum	20000	20	10	mg/Kg			1	6010C
7440-38-2	Arsenic	25	2.0	0.59	mg/Kg			1	6010C
7439-89-6	Iron	45000	20	7.0	mg/Kg			1	6010C
7439-92-1	Lead	190	1.0	0.53	mg/Kg			1	6010C

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS

Client Sample ID: CV0815A-CS-0-4''
Lab Sample ID: 680-104727-8
Lab Name: TestAmerica Savannah
Job No.: 680-104727-1
SDG ID.: 680-104727-01
Matrix: Solid
Date Sampled: 08/25/2014 17:00
Reporting Basis: DRY
Date Received: 08/28/2014 09:30
% Solids: 88.8

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7429-90-5	Aluminum	11000	21	11	mg/Kg			1	6010C
7440-38-2	Arsenic	18	2.1	0.62	mg/Kg			1	6010C
7439-89-6	Iron	41000	21	7.4	mg/Kg			1	6010C
7439-92-1	Lead	49	1.1	0.56	mg/Kg			1	6010C

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS

Client Sample ID: CV0815B-CS-0-4''
Lab Sample ID: 680-104727-9
Lab Name: TestAmerica Savannah
Job No.: 680-104727-1
SDG ID.: 680-104727-01
Matrix: Solid
Date Sampled: 08/25/2014 17:15
Reporting Basis: DRY
Date Received: 08/28/2014 09:30
% Solids: 90.4

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7429-90-5	Aluminum	8900	20	10	mg/Kg			1	6010C
7440-38-2	Arsenic	20	2.0	0.60	mg/Kg			1	6010C
7439-89-6	Iron	41000	20	7.1	mg/Kg			1	6010C
7439-92-1	Lead	67	1.0	0.54	mg/Kg			1	6010C

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS

Client Sample ID: CV0268A-CS-0-4"-DUP

Lab Sample ID: 680-104727-10

Lab Name: TestAmerica Savannah

Job No.: 680-104727-1

SDG ID.: 680-104727-01

Matrix: Solid

Date Sampled: 08/25/2014 13:25

Reporting Basis: DRY

Date Received: 08/28/2014 09:30

% Solids: 89.8

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7429-90-5	Aluminum	9300	21	11	mg/Kg			1	6010C
7440-38-2	Arsenic	38	2.1	0.62	mg/Kg			1	6010C
7439-89-6	Iron	52000	21	7.4	mg/Kg			1	6010C
7439-92-1	Lead	290	1.1	0.56	mg/Kg			1	6010C

2A-IN
CALIBRATION VERIFICATIONS
METALS

Lab Name: TestAmerica Savannah Job No.: 680-104727-1

SDG No.: 680-104727-01

ICV Source: P_ICV_wk_00228 Concentration Units: ug/L

CCV Source: P_CCV_wk_00127

Analyte	ICV 680-346763/4 08/29/2014 14:19				CCV 680-346763/12 08/29/2014 14:55				CCV 680-346763/156 08/30/2014 01:17			
	Found	C	True	%R	Found	C	True	%R	Found	C	True	%R
Aluminum	1010		1000	101	4930		5000	99	4900		5000	98
Arsenic	1030		1000	103	504		500	101	489		500	98
Iron	1010		1000	101	5020		5000	100	5110		5000	102
Lead	1020		1000	102	505		500	101	485		500	97

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

2A-IN
CALIBRATION VERIFICATIONS
METALS

Lab Name: TestAmerica Savannah Job No.: 680-104727-1

SDG No.: 680-104727-01

ICV Source: P_ICV_wk_00228 Concentration Units: ug/L

CCV Source: P_CCV_wk_00127

Analyte	CCV 680-346763/168 08/30/2014 02:09				CCV 680-346763/180 08/30/2014 03:00				CCV 680-346763/190 08/30/2014 03:43			
	Found	C	True	%R	Found	C	True	%R	Found	C	True	%R
Aluminum	4890		5000	98	4900		5000	98	4830		5000	97
Arsenic	485		500	97	484		500	97	472		500	94
Iron	5130		5000	103	5130		5000	103	4950		5000	99
Lead	487		500	97	488		500	98	481		500	96

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.: 680-104727-1

SDG No.: 680-104727-01

Method: 6010C Instrument ID: ICPE

Lab Sample ID: CRI 680-346763/6 Concentration Units: ug/L

CRQL Check Standard Source: P_RL_Int_00034

Analyte	CRQL Check Standard				
	True	Found	Qualifiers	%R(1)	Limits
Aluminum	200	197	J	99	70-130
Arsenic	20.0	16.1	J	80	70-130
Iron	50.0	200	U	104	70-130
Lead	10.0	9.96	J	100	70-130

Lab Sample ID: CRI 680-346763/189 Concentration Units: ug/L

CRQL Check Standard Source: P_RL_Int_00034

Analyte	CRQL Check Standard				
	True	Found	Qualifiers	%R(1)	Limits
Aluminum	200	198	J	99	70-130
Arsenic	20.0	21.5		107	70-130
Iron	50.0	200	U	104	70-130
Lead	10.0	10.6		106	70-130

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

FORM IIB-IN

3-IN
INSTRUMENT BLANKS
METALS

Lab Name: TestAmerica Savannah Job No.: 680-104727-1

SDG No.: 680-104727-01

Concentration Units: ug/L

Analyte	RL	ICBIS 680-346763/5 08/29/2014 14:23		CCB 680-346763/13 08/29/2014 14:59		CCB 680-346763/157 08/30/2014 01:21		CCB 680-346763/169 08/30/2014 02:13	
		Found	C	Found	C	Found	C	Found	C
Aluminum	200	200	U	200	U	200	U	200	U
Arsenic	20	6.55	J	20	U	20	U	20	U
Iron	200	200	U	200	U	200	U	200	U
Lead	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.: 680-104727-1

SDG No.: 680-104727-01

Concentration Units: ug/L

Analyte	RL	CCB 680-346763/181 08/30/2014 03:04		CCB 680-346763/191 08/30/2014 03:47					
		Found	C	Found	C	Found	C	Found	C
Aluminum	200	200	U	200	U				
Arsenic	20	20	U	20	U				
Iron	200	200	U	200	U				
Lead	10	10	U	10	U				

Italicized analytes were not requested for this sequence.

3-IN
METHOD BLANK
METALS

Lab Name: TestAmerica Savannah Job No.: 680-104727-1

SDG No.: 680-104727-01

Concentration Units: mg/Kg Lab Sample ID: MB 680-346548/1-A

Instrument Code: ICPE Batch No.: 346763

CAS No.	Analyte	Concentration	C	Q	Method
7429-90-5	Aluminum	19	U		6010C
7440-38-2	Arsenic	1.9	U		6010C
7439-89-6	Iron	19	U		6010C
7439-92-1	Lead	0.94	U		6010C

4A-IN
INTERFERENCE CHECK STANDARD
METALS

Lab Name: TestAmerica Savannah Job No.: 680-104727-1

SDG No.: 680-104727-01

Lab Sample ID: ICSA 680-346763/7 Instrument ID: ICPE

Lab File ID: E08292014F.csv ICS Source: P_ICSA_wk_00036

Concentration Units: ug/L

Analyte	True Solution A	Found Solution A	Percent Recovery
Aluminum	**500000**	**563170**	**113**
Arsenic		**-7.26**	
Iron	**200000**	**196803**	**98**
Lead		**-6.16**	
Antimony		*5.74*	
Barium		*-5.07*	
Beryllium		*-0.181*	
Boron		*5.78*	
Cadmium		*0.0440*	
Calcium	*500000*	*527143*	*105*
Chromium		*0.289*	
Cobalt		*-3.85*	
Copper		*2.62*	
Magnesium	*500000*	*534730*	*107*
Manganese		*3.15*	
Molybdenum		*1.11*	
Nickel		*0.165*	
Potassium		*4.99*	
Selenium		*15.5*	
Silver		*0.102*	
Sodium		*13.3*	
Strontium		*11.6*	
Thallium		*2.30*	
Tin		*-2.90*	
Titanium		*0.876*	
Vanadium		*-1.39*	
Zinc		*7.97*	

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

FORM IVA-IN

4A-IN
INTERFERENCE CHECK STANDARD
METALS

Lab Name: TestAmerica Savannah Job No.: 680-104727-1

SDG No.: 680-104727-01

Lab Sample ID: ICSAB 680-346763/8 Instrument ID: ICPE

Lab File ID: E08292014F.csv ICS Source: P_ICSAB_wk_00051

Concentration Units: ug/L

Analyte	True Solution AB	Found Solution AB	Percent Recovery
Aluminum	**500000**	**547102**	**109**
Arsenic	**100**	**108**	**108**
Iron	**200000**	**191138**	**96**
Lead	**50.0**	**43.3**	**87**
Antimony	*600*	*619*	*103*
Barium	*500*	*506*	*101*
Beryllium	*500*	*506*	*101*
Boron		*2.45*	
Cadmium	*1000*	*945*	*94*
Calcium	*500000*	*506809*	*101*
Chromium	*500*	*495*	*99*
Cobalt	*500*	*471*	*94*
Copper	*500*	*573*	*115*
Magnesium	*500000*	*520527*	*104*
Manganese	*500*	*524*	*105*
Molybdenum	*1000*	*993*	*99*
Nickel	*1000*	*934*	*93*
Potassium		*1.89*	
Selenium	*50.0*	*59.1*	*118*
Silver	*200*	*225*	*112*
Sodium		*-251*	
Strontium		*11.4*	
Thallium	*100*	*104*	*104*
Tin	*1000*	*994*	*99*
Titanium		*0.142*	
Vanadium	*500*	*494*	*99*
Zinc	*1000*	*946*	*95*

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

FORM IVA-IN

5A-IN
MATRIX SPIKE SAMPLE RECOVERY
METALS

Client ID: CV0323A-CS-0-4'' MS
Lab ID: 680-104727-2 MS
Lab Name: TestAmerica Savannah
Job No.: 680-104727-1
SDG No.: 680-104727-01
Matrix: Solid
Concentration Units: mg/Kg
% Solids: 85.3

Analyte	SSR	C	Sample Result (SR)	C	Spike Added (SA)	%R	Control Limit %R	Q	Method
Aluminum	12300		11000		558	291	75-125	4	6010C
Arsenic	35.1		26		11.2	84	75-125		6010C
Iron	57500		49000		558	1483	75-125	4	6010C
Lead	298		280		5.58	247	75-125	4	6010C

SSR = Spiked Sample Result

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

FORM VA - IN

5A-IN
MATRIX SPIKE SAMPLE RECOVERY
METALS

Client ID: CV0815B-CS-0-4'' MS
Lab ID: 680-104727-9 MS
Lab Name: TestAmerica Savannah
Job No.: 680-104727-1
SDG No.: 680-104727-01
Matrix: Solid
Concentration Units: mg/Kg
% Solids: 90.4

Analyte	SSR	C	Sample Result (SR)	C	Spike Added (SA)	%R	Control Limit %R	Q	Method
Aluminum	10200		8900		517	249	75-125	4	6010C
Arsenic	25.4		20		10.3	48	75-125	F1	6010C
Iron	32800		41000		517	-1574	75-125	4	6010C
Lead	70.7		67		5.17	65	75-125	4	6010C

SSR = Spiked Sample Result

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

FORM VA - IN

5A-IN
MATRIX SPIKE DUPLICATE SAMPLE RECOVERY
METALS

Client ID: CV0323A-CS-0-4'' MSD
Lab ID: 680-104727-2 MSD
Lab Name: TestAmerica Savannah
Job No.: 680-104727-1
SDG No.: 680-104727-01
Matrix: Solid
Concentration Units: mg/Kg
% Solids: 85.3

Analyte	(SDR)	C	Spike Added (SA)	%R	Control Limit %R	RPD	RPD Limit	Q	Method
Aluminum	13000		563	420	75-125	6	20	4	6010C
Arsenic	37.9		11.3	108	75-125	8	20		6010C
Iron	53000		563	667	75-125	8	20	4	6010C
Lead	362		5.63	1383	75-125	19	20	4	6010C

SDR = Sample Duplicate Result

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

FORM VD - IN

5A-IN
MATRIX SPIKE DUPLICATE SAMPLE RECOVERY
METALS

Client ID: CV0815B-CS-0-4'' MSD
Lab ID: 680-104727-9 MSD
Lab Name: TestAmerica Savannah
Job No.: 680-104727-1
SDG No.: 680-104727-01
Matrix: Solid
Concentration Units: mg/Kg
% Solids: 90.4

Analyte	(SDR)	C	Spike Added (SA)	%R	Control Limit %R	RPD	RPD Limit	Q	Method
Aluminum	10400		481	316	75-125	2	20	4	6010C
Arsenic	28.6		9.62	85	75-125	12	20		6010C
Iron	42900		481	398	75-125	27	20	4 F2	6010C
Lead	67.3		4.81	-2	75-125	5	20	4	6010C

SDR = Sample Duplicate Result

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

FORM VD - IN

5B-IN
POST DIGESTION SPIKE SAMPLE RECOVERY
METALS

Client ID: CV0323A-CS-0-4'' PDS
Lab ID: 680-104727-2 PDS
Lab Name: TestAmerica Savannah
Job No.: 680-104727-1
SDG No.: 680-104727-01
Matrix: Solid
Concentration Units: mg/Kg

Analyte	SSR	C	Sample Result (SR)	C	Spike Added (SA)	%R	Control Limit %R	Q	Method
Aluminum	10400		11000		212	NC	75-125		6010C
Arsenic	45.7		26		21.2	94	75-125		6010C
Iron	46900		49000		212	NC	75-125		6010C
Lead	289		280		21.2	NC	75-125		6010C

SSR = Spiked Sample Result

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

FORM VB - IN

7A-IN
LAB CONTROL SAMPLE
METALS

Lab ID: LCS 680-346548/2-A

Lab Name: TestAmerica Savannah Job No.: 680-104727-1

Sample Matrix: Solid LCS Source: MS_LCS1_WK_00013

Analyte	Solid(mg/Kg)							
	True	Found	C	%R	Limits		Q	Method
Aluminum	424	407		96	75	125		6010C
Arsenic	8.47	8.28		98	75	125		6010C
Iron	424	427		101	75	125		6010C
Lead	4.24	4.14		98	75	125		6010C

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: 680-104727-2

SDG No: 680-104727-01

Lab Name: TestAmerica Savannah Job No: 680-104727-1

Matrix: Solid Concentration Units: mg/Kg

Analyte	Initial Sample Result (I)	C	Serial Dilution Result (S)	C	% Difference	Q	Method
Aluminum	11000		10200		4.5		6010C
Arsenic	26		23.5		NC		6010C
Iron	49000		50200		2.1		6010C
Lead	280		297		4.5		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: 680-104727-1

SDG Number: 680-104727-01

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)
Aluminum		20	10
Arsenic		2	0.59
Iron		20	7
Lead		1	0.53

9-IN
CALIBRATION BLANK DETECTION LIMITS
METALS

Lab Name: TestAmerica Savannah Job Number: 680-104727-1

SDG Number: 680-104727-01

Matrix: Solid Instrument ID: ICPE

Method: 6010C XMDL Date: 06/02/2009 00:00

Analyte	Wavelength/ Mass	XRL (ug/L)	XMDL (ug/L)
Aluminum		200	100
Arsenic		20	5.9
Iron		200	70
Lead		10	5.3

10-IN
ICP-AES INTERELEMENT CORRECTION FACTORS
METALS

Lab Name: TestAmerica Savannah Job Number: 680-104727-1

SDG No.: 680-104727-01

ICP-AES Instrument ID: ICPE Date: 04/26/2014

Analyte	Wave Length	Ag	Al	As	B	Ba	Be	Ca	Cd	Co	Cr	Cu	Fe	K	Mg
Aluminum	308.215									-0.001000			0.000256		
Antimony	206.834						0.000900				0.008000		0.000023		
Arsenic	188.980		0.000016										-0.000010		
Barium	389.178												0.000025		0.000062
Beryllium	313.042														
Boron	249.678												-0.000141		
Cadmium	226.502												0.000089		
Calcium	370.602												-0.004290		
Chromium	267.716								-0.000200				0.000009		
Cobalt	228.615										0.000200		0.000006		
Copper	324.754												0.000006		
Iron	271.441									0.077100	0.001160				
Lead	220.353		-0.000009							-0.000200	0.000520		0.000073		
Magnesium	279.078		-0.000142												
Manganese	257.610												0.000014		0.000035
Molybdenum	202.032												-0.000007		
Nickel	231.604									-0.000800			0.000008		
Potassium	766.491														
Selenium	196.026												0.000020		
Silver	328.068												-0.000002		
Sodium	330.237												-0.005002		
Strontium	216.596							0.000029					0.000103		
Thallium	190.794									0.002830			-0.000125		
Tin	189.925														
Titanium	334.941														0.000006
Vanadium	292.401										-0.001640		0.000014		
Zinc	206.200										-0.002860		-0.000043		

X-IN

10-IN
ICP-AES INTERELEMENT CORRECTION FACTORS
METALS

Lab Name: TestAmerica Savannah Job Number: 680-104727-1

SDG No.: 680-104727-01

ICP-AES Instrument ID: ICPE Date: 04/26/2014

Analyte	Wave Length	Mn	Mo	Na	Ni	Pb	Sb	Se	Sn	Sr	Ti	Tl	V	Zn	
Aluminum	308.215		0.008600										-0.014788		
Antimony	206.834		-0.012400						0.000200						
Arsenic	188.980		-0.000430												
Barium	389.178		0.000218										0.000095		
Beryllium	313.042		-0.000082										-0.000200		
Boron	249.678														
Cadmium	226.502														
Calcium	370.602	0.008900									0.155000		0.003040		
Chromium	267.716	0.000090									0.000040		-0.000200		
Cobalt	228.615		-0.002400						-0.000060		0.001850				
Copper	324.754		0.000550										-0.000200		
Iron	271.441		0.000760										0.005220		
Lead	220.353	0.000130	-0.000870								-0.000325				
Magnesium	279.078	-0.007600													
Manganese	257.610														
Molybdenum	202.032												-0.000160		
Nickel	231.604														
Potassium	766.491														
Selenium	196.026	0.000500													
Silver	328.068	0.000061								-0.000400			0.000028		
Sodium	330.237										-0.041825			-0.515620	
Strontium	216.596		-0.001000		-0.002275										
Thallium	190.794	-0.000466	-0.003133										0.001500		
Tin	189.925														
Titanium	334.941														
Vanadium	292.401		-0.006130								0.000575				
Zinc	206.200														

X-IN

12-IN
PREPARATION LOG
METALS

Lab Name: TestAmerica Savannah Job No.: 680-104727-1

SDG No.: 680-104727-01

Prep Method: 3050B

Lab Sample ID	Preparation Date	Prep Batch	Initial Weight (g)	Initial Volume	Final Volume (mL)
MB 680-346548/1-A	08/29/2014 08:43	346548	1.06		100
LCS 680-346548/2-A	08/29/2014 08:43	346548	1.18		100
680-104727-2	08/29/2014 08:43	346548	1.05		100
680-104727-2 MS	08/29/2014 08:43	346548	1.05		100
680-104727-2 MSD	08/29/2014 08:43	346548	1.04		100
680-104727-9	08/29/2014 08:43	346548	1.09		100
680-104727-9 MS	08/29/2014 08:43	346548	1.07		100
680-104727-9 MSD	08/29/2014 08:43	346548	1.15		100
680-104727-1	08/29/2014 08:43	346548	1.01		100
680-104727-3	08/29/2014 08:43	346548	1.02		100
680-104727-4	08/29/2014 08:43	346548	1.02		100
680-104727-5	08/29/2014 08:43	346548	1.11		100
680-104727-6	08/29/2014 08:43	346548	1.07		100
680-104727-7	08/29/2014 08:43	346548	1.08		100
680-104727-8	08/29/2014 08:43	346548	1.07		100
680-104727-10	08/29/2014 08:43	346548	1.06		100

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: TestAmerica Savannah Job No.: 680-104727-1

SDG No.: 680-104727-01

Instrument ID: ICPE Method: 6010C

Start Date: 08/29/2014 14:06 End Date: 08/30/2014 07:11

Lab Sample ID	D/F	Type	Time	Analytes																			
				Al	As	Fe	Pb																
ZZZZZZ			14:06																				
ZZZZZZ			14:10																				
ZZZZZZ			14:14																				
ICV 680-346763/4	1		14:19	X	X	X	X																
ICBIS 680-346763/5	1		14:23	X	X	X	X																
CRI 680-346763/6	1		14:27	X	X	X	X																
ICSA 680-346763/7	1		14:33	X	X	X	X																
ICSAB 680-346763/8	1		14:38	X	X	X	X																
ZZZZZZ			14:42																				
ZZZZZZ			14:46																				
ZZZZZZ			14:51																				
CCV 680-346763/12	1		14:55	X	X	X	X																
CCB 680-346763/13	1		14:59	X	X	X	X																
ZZZZZZ			15:03																				
ZZZZZZ			15:08																				
ZZZZZZ			15:12																				
ZZZZZZ			15:16																				
ZZZZZZ			15:20																				
ZZZZZZ			15:25																				
ZZZZZZ			15:29																				
ZZZZZZ			15:33																				
ZZZZZZ			15:38																				
ZZZZZZ			15:42																				
CCV 680-346763/24			15:46																				
CCB 680-346763/25			15:50																				
ZZZZZZ			15:55																				
ZZZZZZ			15:59																				
ZZZZZZ			16:03																				
ZZZZZZ			16:07																				
ZZZZZZ			16:12																				
ZZZZZZ			16:16																				
ZZZZZZ			16:20																				
ZZZZZZ			16:24																				
ZZZZZZ			16:29																				
ZZZZZZ			16:33																				
CCV 680-346763/36			16:37																				
CCB 680-346763/37			16:41																				
ZZZZZZ			16:46																				
ZZZZZZ			16:50																				
ZZZZZZ			16:54																				
ZZZZZZ			16:58																				
ZZZZZZ			17:03																				

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: TestAmerica Savannah Job No.: 680-104727-1

SDG No.: 680-104727-01

Instrument ID: ICPE Method: 6010C

Start Date: 08/29/2014 14:06 End Date: 08/30/2014 07:11

Lab Sample ID	D/F	Type	Time	Analytes																			
				Al	As	Fe	Pb																
ZZZZZZ			17:14																				
ZZZZZZ			17:18																				
ZZZZZZ			17:23																				
ZZZZZZ			17:27																				
ZZZZZZ			17:31																				
CCV 680-346763/48			17:35																				
CCB 680-346763/49			17:40																				
ZZZZZZ			17:44																				
ZZZZZZ			17:48																				
ZZZZZZ			17:52																				
ZZZZZZ			17:57																				
ZZZZZZ			18:01																				
ZZZZZZ			18:05																				
ZZZZZZ			18:09																				
ZZZZZZ			18:14																				
ZZZZZZ			18:18																				
ZZZZZZ			18:22																				
CCV 680-346763/60			18:27																				
CCB 680-346763/61			18:31																				
ZZZZZZ			18:35																				
ZZZZZZ			18:39																				
ZZZZZZ			18:44																				
ZZZZZZ			18:48																				
ZZZZZZ			18:52																				
ZZZZZZ			18:56																				
ZZZZZZ			19:01																				
ZZZZZZ			19:05																				
ZZZZZZ			19:09																				
ZZZZZZ			19:13																				
CCV 680-346763/72			19:18																				
CCB 680-346763/73			19:22																				
ZZZZZZ			19:26																				
ZZZZZZ			19:31																				
ZZZZZZ			19:35																				
ZZZZZZ			19:39																				
ZZZZZZ			19:43																				
ZZZZZZ			19:48																				
ZZZZZZ			19:52																				
ZZZZZZ			19:56																				
ZZZZZZ			20:00																				
ZZZZZZ			20:05																				
CCV 680-346763/84			20:09																				

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: TestAmerica Savannah Job No.: 680-104727-1

SDG No.: 680-104727-01

Instrument ID: ICPE Method: 6010C

Start Date: 08/29/2014 14:06 End Date: 08/30/2014 07:11

Lab Sample ID	D/F	Type	Time	Analytes																			
				Al	As	Fe	Pb																
CCB 680-346763/85			20:13																				
ZZZZZZ			20:18																				
ZZZZZZ			20:22																				
ZZZZZZ			20:26																				
ZZZZZZ			20:30																				
ZZZZZZ			20:35																				
ZZZZZZ			20:39																				
ZZZZZZ			20:43																				
ZZZZZZ			20:47																				
ZZZZZZ			20:52																				
ZZZZZZ			20:56																				
CCV 680-346763/96			21:00																				
CCB 680-346763/97			21:04																				
ZZZZZZ			21:09																				
ZZZZZZ			21:13																				
ZZZZZZ			21:17																				
ZZZZZZ			21:22																				
ZZZZZZ			21:26																				
ZZZZZZ			21:30																				
ZZZZZZ			21:34																				
ZZZZZZ			21:39																				
ZZZZZZ			21:43																				
ZZZZZZ			21:47																				
CCV 680-346763/108			21:51																				
CCB 680-346763/109			21:56																				
ZZZZZZ			22:00																				
ZZZZZZ			22:04																				
ZZZZZZ			22:09																				
ZZZZZZ			22:13																				
ZZZZZZ			22:17																				
ZZZZZZ			22:21																				
ZZZZZZ			22:26																				
ZZZZZZ			22:30																				
ZZZZZZ			22:34																				
ZZZZZZ			22:39																				
CCV 680-346763/120			22:43																				
CCB 680-346763/121			22:47																				
ZZZZZZ			22:51																				
ZZZZZZ			22:56																				
ZZZZZZ			23:00																				
ZZZZZZ			23:04																				
ZZZZZZ			23:08																				

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: TestAmerica Savannah Job No.: 680-104727-1

SDG No.: 680-104727-01

Instrument ID: ICPE Method: 6010C

Start Date: 08/29/2014 14:06 End Date: 08/30/2014 07:11

Lab Sample ID	D/F	Type	Time	Analytes																			
				Al	As	Fe	Pb																
ZZZZZZ			23:13																				
ZZZZZZ			23:17																				
ZZZZZZ			23:21																				
ZZZZZZ			23:26																				
ZZZZZZ			23:30																				
CCV 680-346763/132			23:34																				
CCB 680-346763/133			23:38																				
ZZZZZZ			23:43																				
ZZZZZZ			23:47																				
ZZZZZZ			23:51																				
ZZZZZZ			23:56																				
ZZZZZZ			00:00																				
ZZZZZZ			00:04																				
ZZZZZZ			00:08																				
ZZZZZZ			00:13																				
ZZZZZZ			00:17																				
ZZZZZZ			00:21																				
CCV 680-346763/144			00:26																				
CCB 680-346763/145			00:30																				
ZZZZZZ			00:34																				
ZZZZZZ			00:38																				
ZZZZZZ			00:43																				
ZZZZZZ			00:47																				
ZZZZZZ			00:51																				
ZZZZZZ			00:56																				
ZZZZZZ			01:00																				
ZZZZZZ			01:04																				
ZZZZZZ			01:08																				
ZZZZZZ			01:13																				
CCV 680-346763/156	1		01:17	X	X	X	X																
CCB 680-346763/157	1		01:21	X	X	X	X																
ZZZZZZ			01:26																				
MB 680-346548/1-A	1	T	01:30	X	X	X	X																
LCS 680-346548/2-A	1	T	01:34	X	X	X	X																
680-104727-2	1	T	01:39	X	X	X	X																
680-104727-2 SD	5	T	01:43	X	X	X	X																
680-104727-2 PDS	1	T	01:47	X	X	X	X																
680-104727-2 MS	1	T	01:51	X	X	X	X																
680-104727-2 MSD	1	T	01:56	X	X	X	X																
680-104727-9	1	T	02:00	X	X	X	X																
680-104727-9 MS	1	T	02:04	X	X	X	X																
CCV 680-346763/168	1		02:09	X	X	X	X																

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: TestAmerica Savannah Job No.: 680-104727-1

SDG No.: 680-104727-01

Instrument ID: ICPE Method: 6010C

Start Date: 08/29/2014 14:06 End Date: 08/30/2014 07:11

Lab Sample ID	D/F	Type	Time	Analytes																			
				Al	As	Fe	Pb																
CCB 680-346763/169	1		02:13	X	X	X	X																
680-104727-9 MSD	1	T	02:17	X	X	X	X																
680-104727-1	1	T	02:21	X	X	X	X																
680-104727-3	1	T	02:26	X	X	X	X																
680-104727-4	1	T	02:30	X	X	X	X																
680-104727-5	1	T	02:34	X	X	X	X																
680-104727-6	1	T	02:39	X	X	X	X																
680-104727-7	1	T	02:43	X	X	X	X																
680-104727-8	1	T	02:47	X	X	X	X																
680-104727-10	1	T	02:52	X	X	X	X																
ZZZZZZ			02:56																				
CCV 680-346763/180	1		03:00	X	X	X	X																
CCB 680-346763/181	1		03:04	X	X	X	X																
ZZZZZZ			03:09																				
ZZZZZZ			03:13																				
ZZZZZZ			03:17																				
ZZZZZZ			03:22																				
ZZZZZZ			03:26																				
ZZZZZZ			03:30																				
ZZZZZZ			03:35																				
CRI 680-346763/189	1		03:39	X	X	X	X																
CCV 680-346763/190	1		03:43	X	X	X	X																
CCB 680-346763/191	1		03:47	X	X	X	X																
ZZZZZZ			03:52																				
ZZZZZZ			03:56																				
ZZZZZZ			04:00																				
ZZZZZZ			04:05																				
ZZZZZZ			04:09																				
ZZZZZZ			04:13																				
ZZZZZZ			04:18																				
ZZZZZZ			04:22																				
ZZZZZZ			04:26																				
ZZZZZZ			04:31																				
CCV 680-346763/202			04:35																				
CCB 680-346763/203			04:39																				
ZZZZZZ			04:44																				
ZZZZZZ			04:48																				
ZZZZZZ			04:52																				
ZZZZZZ			04:57																				
ZZZZZZ			05:01																				
ZZZZZZ			05:05																				
ZZZZZZ			05:09																				

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: TestAmerica Savannah Job No.: 680-104727-1

SDG No.: 680-104727-01

Instrument ID: ICPE Method: 6010C

Start Date: 08/29/2014 14:06 End Date: 08/30/2014 07:11

Lab Sample ID	D/F	Type	Time	Analytes																			
				Al	As	Fe	Pb																
ZZZZZZ			05:14																				
ZZZZZZ			05:18																				
ZZZZZZ			05:22																				
CCV 680-346763/214			05:27																				
CCB 680-346763/215			05:31																				
ZZZZZZ			05:35																				
ZZZZZZ			05:40																				
ZZZZZZ			05:44																				
ZZZZZZ			05:48																				
ZZZZZZ			05:53																				
ZZZZZZ			05:57																				
ZZZZZZ			06:01																				
ZZZZZZ			06:06																				
ZZZZZZ			06:10																				
ZZZZZZ			06:14																				
CCV 680-346763/226			06:19																				
CCB 680-346763/227			06:23																				
ZZZZZZ			06:27																				
ZZZZZZ			06:32																				
ZZZZZZ			06:36																				
ZZZZZZ			06:40																				
ZZZZZZ			06:45																				
ZZZZZZ			06:49																				
ZZZZZZ			06:53																				
ZZZZZZ			06:58																				
ZZZZZZ			07:02																				
CCV 680-346763/237			07:06																				
CCB 680-346763/238			07:11																				

Prep Types

T = Total/NA

E08292014.wvq. All Data Report 8/30/2014, 12:06:25 PM

Blank (Blk) **8/29/2014, 2:06:13 PM** **Rack S, Tube 1**

Label	Replicates Concentration		
Ag 328.068	-0.0101	-0.0636	0.0738
Al 308.215	-0.0553	0.0114	0.0439
As 188.980	-0.1696	0.7410	-0.5714
B 249.678	0.0955	0.0423	-0.1378
Ba 389.178	0.3838	-0.2134	-0.1704
Be 313.042	0.0061	-0.0038	-0.0022
Ca 370.602	1.473	1.763	-3.235
Cd 226.502	-0.1074	-0.0300	0.1375
Co 228.615	-0.1252	-0.1288	0.2541
Cr 267.716	0.1459	-0.0419	-0.1039
Cu 324.754	0.0398	0.1170	-0.1568
Fe 271.441	5.1776	-6.3819	1.2043
K 766.491	0.1769	-0.1154	-0.0615
Mg 279.078	-0.8651	-0.3895	1.2546
Mn 257.610	0.0067	-0.0105	0.0039
Mo 202.032	0.2385	-0.3879	0.1494
Na 330.237	-11.5014	22.9133	-11.4119
Ni 231.604	-0.0357	0.5368	-0.5011
Pb 220.353	0.3704	-1.5495	1.1791
Sb 206.834	1.4002	-2.4493	1.0492
Se 196.026	7.3981	-3.4261	-3.9720
Sn 189.925	0.5326	-1.6569	1.1243
Sr 216.596	0.1442	-0.1727	0.0285
Ti 334.941	0.0258	-0.0504	0.0246
Tl 190.794	-0.3506	-0.5736	0.9242
V 292.401	-0.2256	0.0376	0.1880
Zn 206.200	-0.1344	-0.0221	0.1565

Label	Sol'n Conc.	Units	SD(Int)	%RSD(Int)	Int. (c/s)
Ag 328.068	0.0000	ppb	3.810	19.6	19.4687
Al 308.215	0.0000	ppb	0.245	0.1	309.834
As 188.980	0.0000	ppb	0.241	11.5	-2.0962
B 249.678	0.0000	ppb	1.130	1.5	75.5848
Ba 389.178	0.0000	ppb	4.979	12.0	-41.6028
Be 313.042	0.0000	ppb	5.220	2.1	-246.269
Ca 370.602	0.0000	ppb	4.913	23.4	21.03
Cd 226.502	0.0000	ppb	2.918	72.2	4.0416
Co 228.615	0.0000	ppb	1.244	14.5	8.5940
Cr 267.716	0.0000	ppb	3.818	27.6	13.8214
Cu 324.754	0.0000	ppb	5.673	1.7	340.284
Fe 271.441	0.0000	ppb	4.583	111.8	-4.0974
K 766.491	0.0000	ppb	4.407	2.5	174.713
Mg 279.078	0.0000	ppb	1.811	14.8	12.2111
Mn 257.610	0.0000	ppb	1.139	3.5	32.1771
Mo 202.032	0.0000	ppb	1.348	31.7	4.2551
Na 330.237	0.0000	ppb	0.696	3.8	18.2589
Ni 231.604	0.0000	ppb	0.959	64.6	-1.4840
Pb 220.353	0.0000	ppb	1.253	91.4	1.3700
Sb 206.834	0.0000	ppb	1.856	128.8	1.4406
Se 196.026	0.0000	ppb	1.642	78.1	2.1020
Sn 189.925	0.0000	ppb	0.641	41.1	-1.5602
Sr 216.596	0.0000	ppb	1.071	77.1	1.3885
Ti 334.941	0.0000	ppb	8.342	56.2	14.8518

Label	Sol'n Conc.	Units	SD(Int)	%RSD(Int)	Int. (c/s)
Tl 190.794	0.0000	ppb	0.493	19.6	-2.5126
V 292.401	0.0000	ppb	2.783	55.4	-5.0207
Zn 206.200	0.0000	ppb	0.088	143.8	-0.0614

HIGH STD (Std) **8/29/2014, 2:10:31 PM** **Rack S, Tube 2**

Label	Replicates Concentration		
Ag 328.068	1000.86	1001.52	997.623
Al 308.215	9976.83	9987.15	10036.0
As 188.980	1000.19	994.135	1005.67
B 249.678	995.984	998.308	1005.71
Ba 389.178	9966.49	9992.99	10040.5
Be 313.042	997.247	997.043	1005.71
Ca 370.602	10007	10002	9991
Cd 226.502	998.213	999.763	1002.02
Co 228.615	1001.62	997.688	1000.69
Cr 267.716	9991.60	9993.90	10014.5
Cu 324.754	10003.7	10040.5	9955.72
Fe 271.441	10011.8	9984.50	10003.7
K 766.491	19967.4	19935.3	20097.3
Mg 279.078	9981.34	9990.44	10028.2
Mn 257.610	9975.43	9962.40	10062.2
Mo 202.032	1001.36	997.229	1001.41
Na 330.237	15005.0	15040.2	14954.8
Ni 231.604	4989.42	5000.61	5009.97
Pb 220.353	994.328	999.422	1006.25
Sb 206.834	1999.75	1994.24	2006.01
Se 196.026	9999.19	9958.93	10041.9
Sn 189.925	10002.9	9990.39	10006.8
Sr 216.596	4987.88	5000.99	5011.13
Ti 334.941	997.442	998.803	1003.75
Tl 190.794	9990.19	9993.39	10016.4
V 292.401	9996.96	9994.95	10008.1
Zn 206.200	4987.54	4990.48	5021.98

Label	Sol'n Conc.	Units	SD(Int)	%RSD(Int)	Int. (c/s)
Ag 328.068	1000.00	ppb	114.717	0.2	55040.6
Al 308.215	10000.0	ppb	153.375	0.3	48811.8
As 188.980	1000.00	ppb	2.066	0.6	355.860
B 249.678	1000.00	ppb	46.905	0.5	9312.09
Ba 389.178	10000.0	ppb	560.732	0.4	149449
Be 313.042	1000.00	ppb	4849.275	0.5	980228
Ca 370.602	10000	ppb	13.638	0.1	17533
Cd 226.502	1000.00	ppb	44.671	0.2	23315.6
Co 228.615	1000.00	ppb	11.630	0.2	5662.92
Cr 267.716	10000.0	ppb	370.467	0.1	293562
Cu 324.754	10000.0	ppb	1709.000	0.4	402186
Fe 271.441	10000.0	ppb	10.937	0.1	7798.47
K 766.491	20000.0	ppb	2431.922	0.4	566892
Mg 279.078	10000.0	ppb	40.462	0.2	16291.6
Mn 257.610	10000.0	ppb	6695.925	0.5	1234693
Mo 202.032	1000.00	ppb	9.545	0.2	3981.96
Na 330.237	15000.0	ppb	1.507	0.3	544.728
Ni 231.604	5000.00	ppb	18.973	0.2	9217.11

Label	Sol'n Conc.	Units	SD(Int)	%RSD(Int)	Int. (c/s)
Pb 220.353	1000.00	ppb	5.347	0.6	895.157
Sb 206.834	2000.00	ppb	5.135	0.3	1745.05
Se 196.026	10000.0	ppb	10.619	0.4	2561.91
Sn 189.925	10000.0	ppb	3.744	0.1	4376.10
Sr 216.596	5000.00	ppb	77.874	0.2	33401.8
Ti 334.941	1000.00	ppb	634.436	0.3	190988
Tl 190.794	10000.0	ppb	8.727	0.1	6098.24
V 292.401	10000.0	ppb	94.048	0.1	132933
Zn 206.200	5000.00	ppb	11.494	0.4	3010.04

Ag 328.068 Calibration (ppb) **8/29/2014, 2:10:31 PM** **Correlation Coefficient: 1.000000**

Label	Flags	Int. (c/s)	Std Conc.	Calc Conc.	Error	%Error
Blank		19.4687	0.0000	0.0000	-	-
HIGH STD		55040.6	1000.00	1000.00	0.0000	0.0

Curve Type: Linear Equation: y = 55.0 x + 19.5

Al 308.215 Calibration (ppb) **8/29/2014, 2:10:31 PM** **Correlation Coefficient: 1.000000**

Label	Flags	Int. (c/s)	Std Conc.	Calc Conc.	Error	%Error
Blank		309.834	0.0000	0.0000	-	-
HIGH STD		48811.8	10000.0	10000.0	0.0000	0.0

Curve Type: Linear Equation: y = 4.9 x + 309.8

As 188.980 Calibration (ppb) **8/29/2014, 2:10:31 PM** **Correlation Coefficient: 1.000000**

Label	Flags	Int. (c/s)	Std Conc.	Calc Conc.	Error	%Error
Blank		-2.0962	0.0000	0.0000	-	-
HIGH STD		355.860	1000.00	1000.00	0.0000	0.0

Curve Type: Linear Equation: y = 0.4 x + -2.1

B 249.678 Calibration (ppb) **8/29/2014, 2:10:31 PM** **Correlation Coefficient: 1.000000**

Label	Flags	Int. (c/s)	Std Conc.	Calc Conc.	Error	%Error
Blank		75.5848	0.0000	0.0000	-	-
HIGH STD		9312.09	1000.00	1000.00	0.0000	0.0

Curve Type: Linear Equation: y = 9.2 x + 75.6

Ba 389.178 Calibration (ppb) **8/29/2014, 2:10:31 PM** **Correlation Coefficient: 1.000000**

Label	Flags	Int. (c/s)	Std Conc.	Calc Conc.	Error	%Error
Blank		-41.6028	0.0000	0.0000	-	-
HIGH STD		149449	10000.0	10000.0	0.0000	0.0

Curve Type: Linear Equation: y = 14.9 x + -41.6

Be 313.042 Calibration (ppb) 8/29/2014, 2:10:31 PM Correlation Coefficient: 1.000000

Label	Flags	Int. (c/s)	Std Conc.	Calc Conc.	Error	%Error
Blank		-246.269	0.0000	0.0000	-	-
HIGH STD		980228	1000.00	1000.00	0.0000	0.0

Curve Type: Linear Equation: y = 980.5 x + -246.3

Ca 370.602 Calibration (ppb) 8/29/2014, 2:10:31 PM Correlation Coefficient: 1.000000

Label	Flags	Int. (c/s)	Std Conc.	Calc Conc.	Error	%Error
Blank		21.03	0.0000	0.0000	-	-
HIGH STD		17533	10000	10000	0.0000	0.0

Curve Type: Linear Equation: y = 1.8 x + 21.0

Cd 226.502 Calibration (ppb) 8/29/2014, 2:10:31 PM Correlation Coefficient: 1.000000

Label	Flags	Int. (c/s)	Std Conc.	Calc Conc.	Error	%Error
Blank		4.0416	0.0000	0.0000	-	-
HIGH STD		23315.6	1000.00	1000.00	0.0000	0.0

Curve Type: Linear Equation: y = 23.3 x + 4.0

Co 228.615 Calibration (ppb) 8/29/2014, 2:10:31 PM Correlation Coefficient: 1.000000

Label	Flags	Int. (c/s)	Std Conc.	Calc Conc.	Error	%Error
Blank		8.5940	0.0000	0.0000	-	-
HIGH STD		5662.92	1000.00	1000.00	0.0000	0.0

Curve Type: Linear Equation: y = 5.7 x + 8.6

Cr 267.716 Calibration (ppb) 8/29/2014, 2:10:31 PM Correlation Coefficient: 1.000000

Label	Flags	Int. (c/s)	Std Conc.	Calc Conc.	Error	%Error
Blank		13.8214	0.0000	0.0000	-	-
HIGH STD		293562	10000.0	10000.0	0.0010	0.0

Curve Type: Linear Equation: y = 29.4 x + 13.8

Cu 324.754 Calibration (ppb) 8/29/2014, 2:10:31 PM Correlation Coefficient: 1.000000

Label	Flags	Int. (c/s)	Std Conc.	Calc Conc.	Error	%Error
Blank		340.284	0.0000	0.0000	-	-
HIGH STD		402186	10000.0	10000.00	-0.0010	0.0

Curve Type: Linear Equation: y = 40.2 x + 340.3

Fe 271.441 Calibration (ppb) 8/29/2014, 2:10:31 PM Correlation Coefficient: 1.000000

Label	Flags	Int. (c/s)	Std Conc.	Calc Conc.	Error	%Error
Blank		-4.0974	0.0000	0.0000	-	-
HIGH STD		7798.47	10000.0	10000.0	0.0000	0.0

Curve Type: Linear Equation: y = 0.8 x + -4.1

K 766.491 Calibration (ppb) 8/29/2014, 2:10:31 PM Correlation Coefficient: 1.000000

Label	Flags	Int. (c/s)	Std Conc.	Calc Conc.	Error	%Error
Blank		174.713	0.0000	0.0000	-	-
HIGH STD		566892	20000.0	20000.0	-0.0020	0.0

Curve Type: Linear Equation: y = 28.3 x + 174.7

Mg 279.078 Calibration (ppb) 8/29/2014, 2:10:31 PM Correlation Coefficient: 1.000000

Label	Flags	Int. (c/s)	Std Conc.	Calc Conc.	Error	%Error
Blank		12.2111	0.0000	0.0000	-	-
HIGH STD		16291.6	10000.0	10000.0	0.0000	0.0

Curve Type: Linear Equation: y = 1.6 x + 12.2

Mn 257.610 Calibration (ppb) 8/29/2014, 2:10:31 PM Correlation Coefficient: 1.000000

Label	Flags	Int. (c/s)	Std Conc.	Calc Conc.	Error	%Error
Blank		32.1771	0.0000	0.0000	-	-
HIGH STD		1234693	10000.0	10000.0	0.0000	0.0

Curve Type: Linear Equation: y = 123.5 x + 32.2

Mo 202.032 Calibration (ppb) 8/29/2014, 2:10:31 PM Correlation Coefficient: 1.000000

Label	Flags	Int. (c/s)	Std Conc.	Calc Conc.	Error	%Error
Blank		4.2551	0.0000	0.0000	-	-
HIGH STD		3981.96	1000.00	1000.000	-0.0001	0.0

Curve Type: Linear Equation: y = 4.0 x + 4.3

Na 330.237 Calibration (ppb) 8/29/2014, 2:10:31 PM Correlation Coefficient: 1.000000

Label	Flags	Int. (c/s)	Std Conc.	Calc Conc.	Error	%Error
Blank		18.2589	0.0000	0.0000	-	-
HIGH STD		544.728	15000.0	15000.0	0.0000	0.0

Curve Type: Linear Equation: y = 0.0 x + 18.3

Ni 231.604 Calibration (ppb) 8/29/2014, 2:10:31 PM Correlation Coefficient: 1.000000

Label	Flags	Int. (c/s)	Std Conc.	Calc Conc.	Error	%Error
Blank		-1.4840	0.0000	0.0000	-	-
HIGH STD		9217.11	5000.00	5000.00	-0.0005	0.0

Curve Type: Linear Equation: y = 1.8 x + -1.5

Pb 220.353 Calibration (ppb) 8/29/2014, 2:10:31 PM Correlation Coefficient: 1.000000

Label	Flags	Int. (c/s)	Std Conc.	Calc Conc.	Error	%Error
Blank		1.3700	0.0000	0.0000	-	-
HIGH STD		895.157	1000.00	1000.00	0.0000	0.0

Curve Type: Linear Equation: y = 0.9 x + 1.4

Sb 206.834 Calibration (ppb) 8/29/2014, 2:10:31 PM Correlation Coefficient: 1.000000

Label	Flags	Int. (c/s)	Std Conc.	Calc Conc.	Error	%Error
Blank		1.4406	0.0000	0.0000	-	-
HIGH STD		1745.05	2000.00	2000.00	0.0000	0.0

Curve Type: Linear Equation: y = 0.9 x + 1.4

Se 196.026 Calibration (ppb) 8/29/2014, 2:10:31 PM Correlation Coefficient: 1.000000

Label	Flags	Int. (c/s)	Std Conc.	Calc Conc.	Error	%Error
Blank		2.1020	0.0000	0.0000	-	-
HIGH STD		2561.91	10000.0	10000.0	0.0000	0.0

Curve Type: Linear Equation: y = 0.3 x + 2.1

Sn 189.925 Calibration (ppb) 8/29/2014, 2:10:31 PM Correlation Coefficient: 1.000000

Label	Flags	Int. (c/s)	Std Conc.	Calc Conc.	Error	%Error
Blank		-1.5602	0.0000	0.0000	-	-
HIGH STD		4376.10	10000.0	10000.0	0.0010	0.0

Curve Type: Linear Equation: y = 0.4 x + -1.6

Sr 216.596 Calibration (ppb) 8/29/2014, 2:10:31 PM Correlation Coefficient: 1.000000

Label	Flags	Int. (c/s)	Std Conc.	Calc Conc.	Error	%Error
Blank		1.3885	0.0000	0.0000	-	-
HIGH STD		33401.8	5000.00	5000.00	0.0005	0.0

Curve Type: Linear Equation: y = 6.7 x + 1.4

Ti 334.941 Calibration (ppb) 8/29/2014, 2:10:31 PM Correlation Coefficient: 1.000000

Label	Flags	Int. (c/s)	Std Conc.	Calc Conc.	Error	%Error
Blank		14.8518	0.0000	0.0000	-	-
HIGH STD		190988	1000.00	1000.00	0.0000	0.0

Curve Type: Linear Equation: y = 191.0 x + 14.9

Tl 190.794 Calibration (ppb) 8/29/2014, 2:10:31 PM Correlation Coefficient: 1.000000

Label	Flags	Int. (c/s)	Std Conc.	Calc Conc.	Error	%Error
Blank		-2.5126	0.0000	0.0000	-	-
HIGH STD		6098.24	10000.0	10000.00	-0.0010	0.0

Curve Type: Linear Equation: y = 0.6 x + -2.5

V 292.401 Calibration (ppb) 8/29/2014, 2:10:31 PM Correlation Coefficient: 1.000000

Label	Flags	Int. (c/s)	Std Conc.	Calc Conc.	Error	%Error
Blank		-5.0207	0.0000	0.0000	-	-
HIGH STD		132933	10000.0	10000.00	-0.0010	0.0

Curve Type: Linear Equation: y = 13.3 x + -5.0

Zn 206.200 Calibration (ppb) 8/29/2014, 2:10:31 PM Correlation Coefficient: 1.000000

Label	Flags	Int. (c/s)	Std Conc.	Calc Conc.	Error	%Error
Blank		-0.0614	0.0000	0.0000	-	-
HIGH STD		3010.04	5000.00	5000.00	0.0000	0.0

Curve Type: Linear Equation: y = 0.6 x + -0.1

Lab Control Sample (LCS) 8/29/2014, 2:14:46 PM Rack S, Tube 2

Weight: 1 Volume: 1 Dilution: 1

Label	Replicates Concentration		
Ag 328.068	994.701	1010.08	1007.39
Al 308.215	9889.10	9937.66	9938.04
As 188.980	1003.30	1013.78	1026.22
B 249.678	1007.11	1018.41	1021.62
Ba 389.178	9954.62	9983.44	9969.99
Be 313.042	995.272	1002.28	1001.43
Ca 370.602	9851	9953	9930
Cd 226.502	994.865	1000.37	999.596
Co 228.615	996.372	1002.73	998.966
Cr 267.716	9925.51	9999.35	9983.74
Cu 324.754	10035.0	10045.8	9944.43
Fe 271.441	9871.27	9946.84	9931.96
K 766.491	19844.5	19950.8	19984.8
Mg 279.078	9995.49	10052.5	10024.9
Mn 257.610	9964.16	10005.9	9984.53
Mo 202.032	999.423	1000.99	997.786
Na 330.237	15500.4	15843.3	15484.2
Ni 231.604	4992.56	5010.57	5003.72
Pb 220.353	1005.95	1003.29	991.184
Sb 206.834	1956.97	1983.49	1978.25
Se 196.026	9925.89	9966.83	9949.26
Sn 189.925	10015.0	10083.6	10006.0
Sr 216.596	4991.15	5022.87	4998.53
Ti 334.941	994.629	998.282	997.053
Tl 190.794	9935.33	10013.5	9995.63
V 292.401	9934.01	10004.0	9998.42
Zn 206.200	5009.40	5045.19	5021.21

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Ag 328.068	1004.06	ppb	8.2132	0.8	55201.4	100.40565
Al 308.215	9921.60	ppb	28.1465	0.3	49196.0	99.21600

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
As 188.980	1014.44	ppb	11.4701	1.1	360.895	101.44357
B 249.678	1015.71	ppb	7.6231	0.8	9460.91	20.31426*
Ba 389.178	9969.35	ppb	14.4197	0.1	149022	99.69347
Be 313.042	999.659	ppb	3.8228	0.4	980102	99.96586
Ca 370.602	9911	ppb	53.41	0.5	17782	99.11321
Cd 226.502	998.277	ppb	2.9806	0.3	23310.2	99.82774
Co 228.615	999.357	ppb	3.1994	0.3	5664.39	99.93571
Cr 267.716	9969.53	ppb	38.9124	0.4	292633	99.69532
Cu 324.754	10008.4	ppb	55.6666	0.6	402468	100.08406
Fe 271.441	9916.69	ppb	40.0323	0.4	7843.82	99.16688
K 766.491	19926.7	ppb	73.1743	0.4	564816	99.63361
Mg 279.078	10024.3	ppb	28.5319	0.3	16205.3	100.24295
Mn 257.610	9984.87	ppb	20.8899	0.2	1232886	99.84873
Mo 202.032	999.399	ppb	1.6019	0.2	3972.94	99.93990
Na 330.237	15609.3	ppb	202.819	1.3	524.910	104.06210
Ni 231.604	5002.28	ppb	9.0909	0.2	9220.38	100.04569
Pb 220.353	1000.14	ppb	7.8699	0.8	900.140	100.01411
Sb 206.834	1972.90	ppb	14.0422	0.7	1782.96	98.64507
Se 196.026	9947.33	ppb	20.5374	0.2	2549.76	99.47327
Sn 189.925	10034.9	ppb	42.4194	0.4	4391.37	100.34894
Sr 216.596	5004.19	ppb	16.5991	0.3	33355.9	100.08371
Ti 334.941	996.655	ppb	1.8585	0.2	190361	99.66547
Tl 190.794	9981.48	ppb	40.9493	0.4	6097.96	99.81480
V 292.401	9978.80	ppb	38.8842	0.4	132362	99.78799
Zn 206.200	5025.27	ppb	18.2358	0.4	3007.82	100.50536

Initial Calib Verif (ICV) **8/29/2014, 2:19:02 PM** **Rack S, Tube 3**

Weight: 1 **Volume: 1** **Dilution: 1**

Label	Replicates Concentration		
Ag 328.068	1028.53x	1030.91x	1026.17x
Al 308.215	1015.01	1016.82	1008.24
As 188.980	1033.85	1030.34	1036.51
B 249.678	1027.07	1035.77	1027.40
Ba 389.178	1034.32	1041.27	1030.18
Be 313.042	1021.29x	1029.53x	1020.63x
Ca 370.602	948.1	971.8	946.6
Cd 226.502	1022.14x	1026.97x	1017.46x
Co 228.615	1054.04	1053.39	1047.92
Cr 267.716	1020.11	1027.26	1016.51
Cu 324.754	1004.61	1016.12	1007.79
Fe 271.441	1009.97	1017.06	1008.10
K 766.491	10157.2	10230.1	10161.9
Mg 279.078	1020.94	1022.10	1014.48
Mn 257.610	1053.54	1059.37	1049.94
Mo 202.032	1038.80x	1040.56x	1029.25x
Na 330.237	10370.6	10354.7	10497.5
Ni 231.604	1029.24	1035.41	1023.95
Pb 220.353	1024.95	1028.14	1015.88
Sb 206.834	998.957	1011.55	998.251
Se 196.026	967.683	983.286	987.013
Sn 189.925	5136.25	5160.42	5068.67
Sr 216.596	5111.87x	5136.96x	5080.55x
Ti 334.941	986.993	991.358	983.280

Label	Replicates Concentration		
Tl 190.794	1003.77	1008.21	997.665
V 292.401	1048.75	1055.57	1046.43
Zn 206.200	1020.67	1021.86	1022.38

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Ag 328.068	1028.54xb	ppb	2.3701	0.2	56503.5	102.85390
Al 308.215	1013.36b	ppb	4.5227	0.4	5339.13	101.33598
As 188.980	1033.57b	ppb	3.0968	0.3	367.719	103.35683
B 249.678	1030.08b	ppb	4.9285	0.5	9596.76	103.00795
Ba 389.178	1035.25b	ppb	5.6045	0.5	15440.7	103.52541
Be 313.042	1023.82xb	ppb	4.9572	0.5	1003525	102.38155
Ca 370.602	955.5b	ppb	14.15	1.5	1976	95.54709
Cd 226.502	1022.19xb	ppb	4.7513	0.5	23836.7	102.21912
Co 228.615	1051.78b	ppb	3.3640	0.3	5951.46	105.17831
Cr 267.716	1021.29b	ppb	5.4726	0.5	29985.9	102.12936
Cu 324.754	1009.51b	ppb	5.9415	0.6	40921.6	100.95058
Fe 271.441	1011.71b	ppb	4.7242	0.5	854.367	101.17088
K 766.491	10183.0b	ppb	40.8190	0.4	288720	101.83050
Mg 279.078	1019.17b	ppb	4.1034	0.4	1658.08	101.91730
Mn 257.610	1054.28b	ppb	4.7590	0.5	130207	105.42837Q
Mo 202.032	1036.20xb	ppb	6.0858	0.6	4125.27	103.62038
Na 330.237	10407.6b	ppb	78.2716	0.8	374.149	104.07629
Ni 231.604	1029.54b	ppb	5.7360	0.6	1895.20	102.95351
Pb 220.353	1022.99b	ppb	6.3590	0.6	915.058	102.29920
Sb 206.834	1002.92b	ppb	7.4850	0.7	873.440	100.29211
Se 196.026	979.327b	ppb	10.2548	1.0	252.931	97.93274
Sn 189.925	5121.78b	ppb	47.5561	0.9	2240.58	102.43557
Sr 216.596	5109.79xb	ppb	28.2654	0.6	34113.6	102.19587
Ti 334.941	987.210b	ppb	4.0433	0.4	188546	98.72102
Tl 190.794	1003.21b	ppb	5.2954	0.5	610.534	100.32141
V 292.401	1050.25b	ppb	4.7535	0.5	13857.9	105.02489
Zn 206.200	1021.64b	ppb	0.8771	0.1	613.199	102.16356

Initial Calib Blank (ICB) **8/29/2014, 2:23:17 PM** **Rack S, Tube 1**

Weight: 1 **Volume: 1** **Dilution: 1**

Label	Replicates Concentration		
Ag 328.068	-0.0171u	-0.3214u	0.0929
Al 308.215	-2.4301u	-3.7499u	-1.6845u
As 188.980	7.8103	5.9678	5.8607
B 249.678	22.6115	21.1592	18.2745
Ba 389.178	-0.0910u	0.2314	1.1724
Be 313.042	0.0153	0.0121	0.0145
Ca 370.602	3.710	-3.379u	2.640
Cd 226.502	0.0046	0.0285	-0.0400u
Co 228.615	0.3885	-0.4931u	-0.3605u
Cr 267.716	-0.0905u	-0.1999u	-0.1000u
Cu 324.754	-0.1878u	0.1215	-0.1620u
Fe 271.441	-12.3211u	-4.6840u	-2.8658u
K 766.491	0.0647	0.3667	0.7545
Mg 279.078	-3.1585u	-2.9780u	-3.3775u
Mn 257.610	0.0793	0.1078	0.0687
Mo 202.032	0.3204	-0.1961u	0.3705
Na 330.237	-149.714u	-285.285u	-95.2301u

Label	Replicates Concentration		
Ni 231.604	0.1626	0.2741	0.1807
Pb 220.353	3.0129	2.8503	1.9131
Sb 206.834	-0.4020u	-2.1916u	-3.1743u
Se 196.026	-0.1674u	-4.3388u	-2.7424u
Sn 189.925	-5.2347u	-2.2923u	-3.1684u
Sr 216.596	0.1825	-0.3919u	0.2462
Ti 334.941	0.1629	0.0518	0.0187
Tl 190.794	-1.3189u	-1.3981u	-3.8334u
V 292.401	0.2667	0.5803	-0.2068u
Zn 206.200	0.1212	-1.3455u	2.5769

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Ag 328.068	-0.0819	ppb	0.2146	262.0	14.9641	-0.08188
Al 308.215	-2.6215	ppb	1.0459	39.9	297.127	-2.62151
As 188.980	6.5462	ppb	1.0960	16.7	0.2471	6.54625
B 249.678	20.6817	ppb	2.2076	10.7	266.595	20.68171
Ba 389.178	0.4376	ppb	0.6564	150.0	-35.0616	0.43759
Be 313.042	0.0140	ppb	0.0017	12.0	-232.542	0.01399
Ca 370.602	0.9902	ppb	3.822	386.0	22.80	0.99022
Cd 226.502	-0.0023	ppb	0.0348	1499.9	3.9826	-0.00232
Co 228.615	-0.1550	ppb	0.4753	306.6	7.7193	-0.15502
Cr 267.716	-0.1301	ppb	0.0606	46.6	9.9992	-0.13013
Cu 324.754	-0.0761	ppb	0.1717	225.5	337.225	-0.07611
Fe 271.441	-6.6236	ppb	5.0172	75.7	-9.2688	-6.62363
K 766.491	0.3953	ppb	0.3458	87.5	185.914	0.39528
Mg 279.078	-3.1714	ppb	0.2001	6.3	7.0483	-3.17136
Mn 257.610	0.0853	ppb	0.0202	23.7	42.7023	0.08527
Mo 202.032	0.1649	ppb	0.3137	190.2	4.9110	0.16491
Na 330.237	-176.743	ppb	97.8678	55.4	12.0514	-176.74292
Ni 231.604	0.2058	ppb	0.0598	29.1	-1.1045	0.20583
Pb 220.353	2.5921	ppb	0.5936	22.9	3.6866	2.59210
Sb 206.834	-1.9226	ppb	1.4056	73.1	-0.2374	-1.92261
Se 196.026	-2.4162	ppb	2.1047	87.1	1.4835	-2.41618
Sn 189.925	-3.5651	ppb	1.5108	42.4	-3.1209	-3.56512
Sr 216.596	0.0123	ppb	0.3515	2869.0	1.4673	0.01225
Ti 334.941	0.0778	ppb	0.0755	97.1	29.7102	0.07777
Tl 190.794	-2.1835	ppb	1.4295	65.5	-3.8446	-2.18348
V 292.401	0.2134	ppb	0.3963	185.7	-2.1819	0.21340
Zn 206.200	0.4508	ppb	1.9818	439.6	0.2103	0.45085

CRI (CRI) **8/29/2014, 2:27:32 PM** **Rack S, Tube 4**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Replicates Concentration		
Ag 328.068	10.3626	10.0454	10.2755
Al 308.215	197.142	197.495	197.795
As 188.980	14.8269	19.8753	13.4988
B 249.678	103.411	103.973	104.455
Ba 389.178	9.9864	10.6052	10.2202
Be 313.042	4.1416	4.1948	4.1606
Ca 370.602	500.2	504.6	503.1
Cd 226.502	4.9974	5.3129	4.9146
Co 228.615	9.8200	10.8304	9.2899
Cr 267.716	10.0306	10.1956	10.3614

Label	Replicates Concentration		
Cu 324.754	20.1265	20.7299	20.4724
Fe 271.441	44.0157	51.9927	59.6751
K 766.491	990.209	999.087	995.060
Mg 279.078	504.454	505.734	499.949
Mn 257.610	10.7147	10.9197	10.8771
Mo 202.032	9.4886	10.2581	10.3224
Na 330.237	977.796	819.931	942.060
Ni 231.604	41.1728	40.9383	40.6021
Pb 220.353	9.8826	9.3868	10.6102
Sb 206.834	18.5515	23.4810	18.1206
Se 196.026	26.5564	15.7868	21.0062
Sn 189.925	49.0108	47.6169	48.4579
Sr 216.596	10.0858	10.1594	10.3741
Ti 334.941	10.0264	10.0909	10.1208
Tl 190.794	26.6362	24.7372	24.1192
V 292.401	10.1006	10.2674	10.2815
Zn 206.200	20.2952	19.7358	19.1448

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Ag 328.068	10.2278	ppb	0.1639	1.6	582.039	102.27818
Al 308.215	197.478	ppb	0.3270	0.2	1268.79	98.73875
As 188.980	16.0670	ppb	3.3643	20.9	3.6545	80.33485
B 249.678	103.946	ppb	0.5224	0.5	1035.78	103.94616
Ba 389.178	10.2706	ppb	0.3125	3.0	112.469	102.70589
Be 313.042	4.1657	ppb	0.0269	0.6	3837.55	104.14126
Ca 370.602	502.6	ppb	2.194	0.4	903.8	100.52539
Cd 226.502	5.0750	ppb	0.2102	4.1	122.528	101.49975
Co 228.615	9.9801	ppb	0.7827	7.8	64.9936	99.80101
Cr 267.716	10.1959	ppb	0.1654	1.6	313.095	101.95880
Cu 324.754	20.4429	ppb	0.3028	1.5	1161.92	102.21470
Fe 271.441	51.8945	ppb	7.8301	15.1	37.0626	103.78899
K 766.491	994.785	ppb	4.4454	0.4	28362.8	99.47855
Mg 279.078	503.379	ppb	3.0385	0.6	831.502	100.67581
Mn 257.610	10.8372	ppb	0.1081	1.0	1372.48	108.37167
Mo 202.032	10.0230	ppb	0.4640	4.6	44.1158	100.23022
Na 330.237	913.262	ppb	82.7789	9.1	50.1324	91.32623
Ni 231.604	40.9044	ppb	0.2869	0.7	73.9200	102.26105
Pb 220.353	9.9598	ppb	0.6154	6.2	10.2659	99.59831
Sb 206.834	20.0511	ppb	2.9782	14.9	18.8981	100.25526
Se 196.026	21.1165	ppb	5.3856	25.5	7.5091	105.58252
Sn 189.925	48.3619	ppb	0.7019	1.5	19.6111	96.72372
Sr 216.596	10.2064	ppb	0.1498	1.5	69.0180	102.06440
Ti 334.941	10.0794	ppb	0.0482	0.5	1940.28	100.79358
Tl 190.794	25.1642	ppb	1.3117	5.2	12.8467	100.65681
V 292.401	10.2165	ppb	0.1006	1.0	129.855	102.16485
Zn 206.200	19.7253	ppb	0.5753	2.9	11.7948	98.62642

Interf Check A (ICSA) **8/29/2014, 2:33:52 PM** **Rack S, Tube 5**

Weight: 1 **Volume: 1** **Dilution: 1**

Label	Replicates Concentration		
Ag 328.068	0.1211u	0.1322u	0.0540u
Al 308.215	562097	563921	563491
As 188.980	1.4814	-10.9968u	-12.2595u

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Label	Replicates Concentration		
B 249.678	6.8338u	5.5261u	4.9833u
Ba 389.178	-5.0951	-5.6098	-4.5026
Be 313.042	-0.1841u	-0.1793u	-0.1810u
Ca 370.602	524731	529447	527252
Cd 226.502	0.1393	0.0277	-0.0350
Co 228.615	-3.4499u	-4.2585u	-3.8307u
Cr 267.716	0.2905	0.0042	0.5714
Cu 324.754	2.1474	2.6815	3.0342
Fe 271.441	196305	197169	196935
K 766.491	4.8733	4.4059	5.6895
Mg 279.078	533775	536119	534296
Mn 257.610	3.0913	3.2747	3.0699
Mo 202.032	0.9942u	2.2633	0.0583u
Na 330.237	78.8561u	22.7559u	-61.6230u
Ni 231.604	0.4670	-0.9782	1.0073
Pb 220.353	-3.0932	-10.3591u	-5.0306u
Sb 206.834	8.4208	0.2879	8.5036
Se 196.026	31.3302	7.6344	7.6686
Sn 189.925	-3.6689u	-1.1751u	-3.8610u
Sr 216.596	10.3595	11.7258	12.5936
Ti 334.941	0.8722	0.9099	0.8457
Tl 190.794	5.9932u	1.0492u	-0.1278u
V 292.401	-2.2015	-0.5331	-1.4397
Zn 206.200	7.3474u	9.6753	6.8871u

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Ag 328.068	0.1024	ppb	0.0423	41.3	-2.1590	0.10244
Al 308.215	563170	ppb	953.769	0.2	2732038	-
As 188.980	-7.2583	ppb	7.5951	104.6	-2.2010	-7.25829
B 249.678	5.7811	ppb	0.9513	16.5	-125.049	5.78108
Ba 389.178	-5.0692	ppb	0.5541	10.9	452.914	-5.06920
Be 313.042	-0.1815	ppb	0.0025	1.4	-312.144	-0.18145
Ca 370.602	527143	ppb	2360	0.4	921695	-
Cd 226.502	0.0440	ppb	0.0882	200.6	687.005	0.04399
Co 228.615	-3.8464	ppb	0.4045	10.5	-6.4847	-3.84637
Cr 267.716	0.2887	ppb	0.2836	98.2	77.0710	0.28869
Cu 324.754	2.6210	ppb	0.4465	17.0	492.612	2.62104
Fe 271.441	196803	ppb	447.134	0.2	153553	-
K 766.491	4.9896	ppb	0.6496	13.0	316.097	4.98955
Mg 279.078	534730	ppb	1230.59	0.2	870390	-
Mn 257.610	3.1453	ppb	0.1126	3.6	3080.39	3.14529
Mo 202.032	1.1053	ppb	1.1067	100.1	3.2155	1.10528
Na 330.237	13.3296	ppb	70.7123	530.5	-15.5954	13.32964
Ni 231.604	0.1653	ppb	1.0265	620.9	9.0427	0.16534
Pb 220.353	-6.1610	ppb	3.7625	61.1	-1.1172	-6.16099
Sb 206.834	5.7374	ppb	4.7196	82.3	10.3716	5.73741
Se 196.026	15.5444	ppb	13.6709	87.9	7.0832	15.54438
Sn 189.925	-2.9017	ppb	1.4984	51.6	-2.8307	-2.90166
Sr 216.596	11.5596	ppb	1.1263	9.7	319.211	11.55961
Ti 334.941	0.8759	ppb	0.0322	3.7	831.380	0.87593
Tl 190.794	2.3049	ppb	3.2479	140.9	-15.9774	2.30488
V 292.401	-1.3914	ppb	0.8352	60.0	14.0024	-1.39142
Zn 206.200	7.9699	ppb	1.4947	18.8	-0.3181	7.96992

Interf Check AB (ICSAB) **8/29/2014, 2:38:09 PM** **Rack S, Tube 6**

Weight: 1 **Volume: 1** **Dilution: 1**

Label	Replicates Concentration		
Ag 328.068	225.141	224.984	223.548
Al 308.215	547300	547196	546809
As 188.980	105.573	111.317	106.082
B 249.678	2.9112u	3.5349u	0.9004u
Ba 389.178	505.225	507.388	504.683
Be 313.042	506.461	506.003	504.754
Ca 370.602	508914	507476	504036
Cd 226.502	946.840	944.735	943.313
Co 228.615	471.224	472.168	470.129
Cr 267.716	496.309	494.991	494.237
Cu 324.754	574.035	571.022	573.037
Fe 271.441	191504	191110	190799
K 766.491	1.3543	2.3372	1.9640
Mg 279.078	520697	519975	520909
Mn 257.610	524.663	523.415	522.929
Mo 202.032	991.399	995.283	992.723
Na 330.237	-291.403u	-293.974u	-168.383u
Ni 231.604	933.505	931.709	935.706
Pb 220.353	41.8507	38.5197	49.5244
Sb 206.834	617.794	617.466	622.065
Se 196.026	67.5341	47.7958	62.1174
Sn 189.925	982.486	989.567	1010.88
Sr 216.596	11.0122	10.6927	12.5044
Ti 334.941	0.1665	0.1086	0.1508
Tl 190.794	107.515	94.8231	110.519
V 292.401	495.375	493.061	492.514
Zn 206.200	953.106	936.562	948.521

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Ag 328.068	224.558	ppb	0.8779	0.4	12350.9	112.27894
Al 308.215	547102	ppb	258.550	0.0	2654172	109.42031
As 188.980	107.657	ppb	3.1794	3.0	38.7101	107.65724
B 249.678	2.4488	ppb	1.3768	56.2	-143.705	-
Ba 389.178	505.766	ppb	1.4312	0.3	8078.31	101.15312
Be 313.042	505.739	ppb	0.8832	0.2	495661	101.14790
Ca 370.602	506809	ppb	2507	0.5	886137	101.36172
Cd 226.502	944.962	ppb	1.7742	0.2	22695.4	94.49624
Co 228.615	471.173	ppb	1.0201	0.2	2666.03	94.23470
Cr 267.716	495.179	ppb	1.0489	0.2	14595.9	99.03580
Cu 324.754	572.698	ppb	1.5347	0.3	23417.5	114.53961
Fe 271.441	191138	ppb	353.000	0.2	149164	95.56879
K 766.491	1.8852	ppb	0.4961	26.3	228.131	-
Mg 279.078	520527	ppb	489.751	0.1	847266	104.10541
Mn 257.610	523.669	ppb	0.8944	0.2	67277.3	104.73386
Mo 202.032	993.135	ppb	1.9746	0.2	3949.06	99.31346
Na 330.237	-251.253	ppb	71.7794	28.6	-31.0488	-
Ni 231.604	933.640	ppb	2.0016	0.2	1729.13	93.36401
Pb 220.353	43.2982	ppb	5.6433	13.0	42.4427	86.59647
Sb 206.834	619.108	ppb	2.5660	0.4	538.323	103.18475
Se 196.026	59.1491	ppb	10.1984	17.2	18.2836	118.29829
Sn 189.925	994.310	ppb	14.7779	1.5	433.714	99.43102
Sr 216.596	11.4031	ppb	0.9670	8.5	290.107	-

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Ti 334.941	0.1420	ppb	0.0299	21.1	674.186	-
Tl 190.794	104.286	ppb	8.3314	8.0	46.1743	104.28571
V 292.401	493.650	ppb	1.5185	0.3	6502.53	98.73000
Zn 206.200	946.063	ppb	8.5414	0.9	563.724	94.60631

LRA1 (Samp) **8/29/2014, 2:42:27 PM** **Rack S, Tube 7**

Weight: 1 **Volume: 1** **Dilution: 1**

Label	Replicates Concentration		
Ag 328.068	-0.2968	-0.0322	-0.3292
Al 308.215	144.917	119.160	103.930
As 188.980	21300.4x	21276.8x	21351.6x
B 249.678	5206.83x	5231.49x	5249.31x
Ba 389.178	0.2780	-0.1729u	0.2563
Be 313.042	0.1640	0.1297	0.1324
Ca 370.602	-952.0	-1008	-1016
Cd 226.502	0.0930	-0.1848u	-0.0933
Co 228.615	10607.5	10613.5	10581.4
Cr 267.716	-1.8850	-1.9148	-1.7521
Cu 324.754	-1.0471u	-1.0353u	-1.2379u
Fe 271.441	185.800	161.645	162.134
K 766.491	0.2049	0.5576	0.9819
Mg 279.078	84.3412u	60.1763u	51.9156u
Mn 257.610	30166.0x	30164.3x	30097.1x
Mo 202.032	0.1352	0.3932	0.1438
Na 330.237	221.343u	-38.0637u	223.940u
Ni 231.604	10620.7x	10590.9x	10604.6x
Pb 220.353	21505.4x	21407.5x	21400.4x
Sb 206.834	5.8341	4.2971	3.0558
Se 196.026	-4.6750	-10.0000	-8.4172
Sn 189.925	3.6043	-1.0523u	0.4170
Sr 216.596	-5.6530u	-5.6826u	-4.9084u
Ti 334.941	28541.9x	28466.0x	28299.8x
Tl 190.794	-22.9292	-26.2156	-17.8724
V 292.401	-10.6569	-11.8642	-11.9058
Zn 206.200	3.3892	1.4037	0.1503

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.2194b	ppb	0.1629	74.3	109.401
Al 308.215	122.669b	ppb	20.7176	16.9	854.851
As 188.980	21309.6xb	ppb	38.2273	0.2	7625.81
B 249.678	5229.21xb	ppb	21.3335	0.4	48374.0
Ba 389.178	0.1205b	ppb	0.2543	211.1	-39.5856
Be 313.042	0.1420b	ppb	0.0191	13.4	-116.356
Ca 370.602	-991.9b	ppb	34.82	3.5	6465
Cd 226.502	-0.0617b	ppb	0.1416	229.4	5.9986
Co 228.615	10600.8b	ppb	17.1040	0.2	60246.5
Cr 267.716	-1.8506b	ppb	0.0866	4.7	72.7014
Cu 324.754	-1.1068b	ppb	0.1137	10.3	295.845
Fe 271.441	169.859b	ppb	13.8069	8.1	768.329
K 766.491	0.5815b	ppb	0.3891	66.9	191.190
Mg 279.078	65.4777b	ppb	16.8503	25.7	-254.103
Mn 257.610	30142.5xb	ppb	39.3293	0.1	3721605
Mo 202.032	0.2240b	ppb	0.1465	65.4	5.1164

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Na 330.237	135.739b	ppb	150.524	110.9	-18.8878
Ni 231.604	10605.4xb	ppb	14.8972	0.1	19536.3
Pb 220.353	21437.8xb	ppb	58.7201	0.3	19155.5
Sb 206.834	4.3957b	ppb	1.3918	31.7	5.2961
Se 196.026	-7.6974b	ppb	2.7345	35.5	3.9937
Sn 189.925	0.9897b	ppb	2.3806	240.5	-1.1271
Sr 216.596	-5.4147b	ppb	0.4387	8.1	-195.116
Ti 334.941	28435.9xb	ppb	123.796	0.4	5430511
Tl 190.794	-22.3391b	ppb	4.2028	18.8	10.7273
V 292.401	-11.4756b	ppb	0.7094	6.2	59.9122
Zn 206.200	1.6477b	ppb	1.6332	99.1	0.9053

LRA2 (Samp) **8/29/2014, 2:46:45 PM** **Rack S, Tube 8**

Weight: 1 **Volume: 1** **Dilution: 1**

Label	Replicates Concentration		
Ag 328.068	0.0918u	-0.0632u	0.2769u
Al 308.215	888309x	887681x	888939x
As 188.980	139.133	116.328	94.4449
B 249.678	126.229u	110.343u	93.5377u
Ba 389.178	-18.7013	-18.8331	-18.1942
Be 313.042	-0.2638u	-0.2577u	-0.2631u
Ca 370.602	791275	790652	795464
Cd 226.502	3.6110	3.7050	5.2203
Co 228.615	-24.1383u	-24.9471u	-24.2030u
Cr 267.716	-5.4759	-5.9304	-5.4351
Cu 324.754	6.0984	3.8244	4.1412
Fe 271.441	943507	941767	948760
K 766.491	12.7782	11.7862	11.0506
Mg 279.078	807026	805781	804458
Mn 257.610	9.1124	7.7359	7.1457
Mo 202.032	2.8566u	2.9503u	4.8497u
Na 330.237	1057.74u	662.251u	1048.92u
Ni 231.604	-15.7766	-17.3869	-21.6616
Pb 220.353	-37.3479u	-32.0946	-30.2939
Sb 206.834	-3.5398	11.0205	-9.7592
Se 196.026	-16.0627	-14.1463	-9.9199
Sn 189.925	4.6293	3.6624	-3.4706u
Sr 216.596	38.9715	40.6742	38.3154
Ti 334.941	6.3346	4.8042	3.9274
Tl 190.794	20.3634u	17.3485u	14.7222u
V 292.401	-23.5175u	-24.0056u	-23.5102u
Zn 206.200	17.1970u	-1.2450u	18.0448u

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	0.1018b	ppb	0.1703	167.2	-89.4678
Al 308.215	888309xb	ppb	629.063	0.1	4309953
As 188.980	116.635b	ppb	22.3455	19.2	41.3363
B 249.678	110.037b	ppb	16.3479	14.9	-129.098
Ba 389.178	-18.5762b	ppb	0.3373	1.8	780.551
Be 313.042	-0.2615b	ppb	0.0033	1.3	-349.221
Ca 370.602	792464b	ppb	2617	0.3	1380750
Cd 226.502	4.1788b	ppb	0.9032	21.6	3364.83
Co 228.615	-24.4295b	ppb	0.4494	1.8	-97.5705

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Cr 267.716	-5.6138b	ppb	0.2749	4.9	101.282
Cu 324.754	4.6880b	ppb	1.2317	26.3	754.637
Fe 271.441	944678b	ppb	3640.31	0.4	737087
K 766.491	11.8716b	ppb	0.8670	7.3	511.107
Mg 279.078	805755b	ppb	1284.54	0.2	1311528
Mn 257.610	7.9980b	ppb	1.0092	12.6	6139.43
Mo 202.032	3.5522b	ppb	1.1246	31.7	-7.7281
Na 330.237	922.970b	ppb	225.832	24.5	-114.076
Ni 231.604	-18.2750b	ppb	3.0414	16.6	13.4798
Pb 220.353	-33.2455b	ppb	3.6651	11.0	0.6268
Sb 206.834	-0.7595b	ppb	10.6652	1404.2	19.6349
Se 196.026	-13.3763b	ppb	3.1430	23.5	3.4850
Sn 189.925	1.6071b	ppb	4.4239	275.3	-0.8577
Sr 216.596	39.3204b	ppb	1.2175	3.1	1050.29
Ti 334.941	5.0221b	ppb	1.2183	24.3	2004.31
Tl 190.794	17.4780b	ppb	2.8229	16.2	-63.3544
V 292.401	-23.6777b	ppb	0.2840	1.2	-143.290
Zn 206.200	11.3323b	ppb	10.9005	96.2	-17.5179

LRA3 (Samp) **8/29/2014, 2:51:04 PM** **Rack S, Tube 9**

Weight: 1 **Volume: 1** **Dilution: 1**

Label	Replicates Concentration		
Ag 328.068	0.0288	0.0711	-0.0429u
Al 308.215	122.483	78.9494	51.4102
As 188.980	36.8480	29.0665	34.2194
B 249.678	19.8452	17.6367	17.0640
Ba 389.178	0.2486	0.4036	-0.7555u
Be 313.042	0.0024u	0.0044u	-0.0015u
Ca 370.602	103.9	66.53	42.38
Cd 226.502	-0.0124u	-0.1812u	0.0934
Co 228.615	0.2672	-0.2417u	-0.3100u
Cr 267.716	-0.2455u	-0.0663u	0.0436
Cu 324.754	0.2240	0.0983	0.0808
Fe 271.441	153.990	92.7321	68.0951
K 766.491	40579.8x	40780.5x	40771.9x
Mg 279.078	103.631	62.5902	37.6432
Mn 257.610	0.2883	0.2567	0.2586
Mo 202.032	0.2701	-0.4426u	-0.0533u
Na 330.237	106440x	106965x	107083x
Ni 231.604	0.0886	-0.2415u	-2.0953u
Pb 220.353	-1.6275u	-2.5552u	-0.9823u
Sb 206.834	-5.3029u	1.4437	1.2361
Se 196.026	0.7086	-6.5027u	-13.3454u
Sn 189.925	-4.9905u	-0.3753u	-3.6545u
Sr 216.596	0.1726	-0.2139u	0.1445
Ti 334.941	0.3151	0.2896	0.2594
Tl 190.794	-7.4028u	-1.2390u	-6.5085u
V 292.401	-0.0476u	0.1497	-0.4574u
Zn 206.200	29207.0x	29662.6x	29546.4x

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	0.0190b	ppb	0.0576	302.8	20.5028
Al 308.215	84.2808b	ppb	35.8349	42.5	718.724

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
As 188.980	33.3780b	ppb	3.9584	11.9	9.8518
B 249.678	18.1820b	ppb	1.4686	8.1	243.448
Ba 389.178	-0.0344b	ppb	0.6292	1826.7	-42.0143
Be 313.042	0.0018b	ppb	0.0030	167.1	-250.334
Ca 370.602	70.93b	ppb	31.00	43.7	144.5
Cd 226.502	-0.0334b	ppb	0.1385	414.6	3.2958
Co 228.615	-0.0948b	ppb	0.3154	332.5	8.0844
Cr 267.716	-0.0894b	ppb	0.1459	163.2	11.9584
Cu 324.754	0.1344b	ppb	0.0781	58.1	345.704
Fe 271.441	104.939b	ppb	44.2297	42.1	77.7585
K 766.491	40710.8xb	ppb	113.476	0.3	1153749
Mg 279.078	67.9548b	ppb	33.3194	49.0	122.815
Mn 257.610	0.2679b	ppb	0.0177	6.6	65.4556
Mo 202.032	-0.0753b	ppb	0.3568	474.2	3.9529
Na 330.237	106829xb	ppb	342.436	0.3	3542.76
Ni 231.604	-0.7494b	ppb	1.1772	157.1	-2.8399
Pb 220.353	-1.7217b	ppb	0.7907	45.9	-0.1652
Sb 206.834	-0.8744b	ppb	3.8366	438.8	0.6830
Se 196.026	-6.3798b	ppb	7.0278	110.2	0.4695
Sn 189.925	-3.0068b	ppb	2.3748	79.0	-2.8585
Sr 216.596	0.0344b	ppb	0.2155	626.2	1.7228
Ti 334.941	0.2880b	ppb	0.0279	9.7	64.8447
Tl 190.794	-5.0501b	ppb	3.3307	66.0	-5.6017
V 292.401	-0.1184b	ppb	0.3097	261.5	-6.9136
Zn 206.200	29472.0xb	ppb	236.746	0.8	17742.7

Cont Calib Verif (CCV) **8/29/2014, 2:55:20 PM** **Rack 1, Tube 1**

Weight: 1 **Volume: 1** **Dilution: 1**

Label	Replicates Concentration		
Ag 328.068	506.495	508.112	510.006
Al 308.215	4915.64	4933.55	4926.62
As 188.980	513.249	498.805	500.158
B 249.678	502.786	506.962	506.777
Ba 389.178	5043.04	5053.40	5046.77
Be 313.042	513.765	515.763	514.416
Ca 370.602	4948	4982	4963
Cd 226.502	499.188	500.590	498.964
Co 228.615	500.063	502.461	500.299
Cr 267.716	5007.71	5020.56	5008.88
Cu 324.754	4996.39	4920.80	4977.88
Fe 271.441	5008.82	5029.58	5015.16
K 766.491	10064.9	10097.4	10094.2
Mg 279.078	4999.14	5024.50	5012.48
Mn 257.610	5094.72	5096.05	5076.71
Mo 202.032	505.760	502.298	501.505
Na 330.237	7637.31	7672.07	7607.10
Ni 231.604	2535.65	2543.01	2543.06
Pb 220.353	504.310	505.255	504.458
Sb 206.834	975.610	983.162	981.992
Se 196.026	4921.85	4947.04	4927.88
Sn 189.925	5052.30	5037.41	5031.60
Sr 216.596	2508.50	2504.96	2508.97
Ti 334.941	496.110	497.156	496.999

Label	Replicates Concentration		
Tl 190.794	5043.06	5040.46	5060.99
V 292.401	5052.27	5070.78	5055.17
Zn 206.200	2531.34	2532.24	2520.68

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Ag 328.068	508.204	ppb	1.7573	0.3	27950.6	101.64086
Al 308.215	4925.27	ppb	9.0328	0.2	24585.6	98.50538
As 188.980	504.071	ppb	7.9775	1.6	178.272	100.81417
B 249.678	505.508	ppb	2.3594	0.5	4746.41	101.10168
Ba 389.178	5047.74	ppb	5.2497	0.1	75432.9	100.95474
Be 313.042	514.648	ppb	1.0191	0.2	504459	102.92965
Ca 370.602	4964	ppb	16.66	0.3	8918	99.28869
Cd 226.502	499.581	ppb	0.8815	0.2	11667.6	99.91616
Co 228.615	500.941	ppb	1.3222	0.3	2843.60	100.18817
Cr 267.716	5012.38	ppb	7.1034	0.1	147134	100.24767
Cu 324.754	4965.02	ppb	39.4006	0.8	199829	99.30049
Fe 271.441	5017.85	ppb	10.6413	0.2	3966.63	100.35705
K 766.491	10085.5	ppb	17.9480	0.2	285956	100.85490
Mg 279.078	5012.04	ppb	12.6838	0.3	8107.40	100.24080
Mn 257.610	5089.16	ppb	10.8056	0.2	628401	101.78316
Mo 202.032	503.188	ppb	2.2625	0.4	2002.43	100.63750
Na 330.237	7638.83	ppb	32.5135	0.4	265.662	101.85101
Ni 231.604	2540.57	ppb	4.2632	0.2	4682.14	101.62278
Pb 220.353	504.674	ppb	0.5082	0.1	454.891	100.93488
Sb 206.834	980.255	ppb	4.0645	0.4	886.925	98.02550
Se 196.026	4932.26	ppb	13.1557	0.3	1265.34	98.64512
Sn 189.925	5040.44	ppb	10.6769	0.2	2204.97	100.80874
Sr 216.596	2507.47	ppb	2.1935	0.1	16714.1	100.29896
Ti 334.941	496.755	ppb	0.5641	0.1	94887.7	99.35103
Tl 190.794	5048.17	ppb	11.1798	0.2	3082.84	100.96346
V 292.401	5059.41	ppb	9.9593	0.2	67108.3	101.18814
Zn 206.200	2528.09	ppb	6.4299	0.3	1513.14	101.12344

Cont Calib Blank (CCB) **8/29/2014, 2:59:35 PM** **Rack 1, Tube 2**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Replicates Concentration		
Ag 328.068	-0.0907u	-0.1464u	-0.2129u
Al 308.215	0.3678	-0.3107u	1.5868
As 188.980	5.7292	1.8768	1.3091
B 249.678	11.1286	9.6570	8.7300
Ba 389.178	0.1089	0.2223	-0.1840u
Be 313.042	0.0258	0.0145	0.0185
Ca 370.602	2.561	6.294	5.157
Cd 226.502	-0.0056u	-0.0464u	-0.1239u
Co 228.615	-0.0752u	-0.5994u	-0.8273u
Cr 267.716	0.3069	0.3930	0.2046
Cu 324.754	0.0343	0.0882	0.1825
Fe 271.441	-2.0033u	-2.4012u	-4.4610u
K 766.491	-0.4669u	-0.1475u	-0.5048u
Mg 279.078	-1.6482u	1.7822	-2.6951u
Mn 257.610	0.2039	0.2338	0.2438
Mo 202.032	0.2785	-0.3366u	-0.0915u
Na 330.237	-64.4531u	34.2188	-39.7273u

Label	Replicates Concentration		
Ni 231.604	0.4402	1.0644	0.4456
Pb 220.353	-0.4671u	-1.6305u	1.2848
Sb 206.834	-0.2958u	2.1939	-1.7184u
Se 196.026	-5.3027u	-8.1740u	-2.5401u
Sn 189.925	-2.7459u	-0.6379u	-1.5958u
Sr 216.596	0.1997	-0.0294u	0.1405
Ti 334.941	0.0409	0.0255	-0.0550u
Tl 190.794	-0.4156u	1.9149	1.2108
V 292.401	0.2896	0.5492	0.3434
Zn 206.200	0.6495	-0.7956u	1.9751

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Ag 328.068	-0.1500	ppb	0.0612	40.8	11.2181	-0.15001
Al 308.215	0.5480	ppb	0.9615	175.5	312.509	0.54797
As 188.980	2.9717	ppb	2.4049	80.9	-1.0324	2.97168
B 249.678	9.8385	ppb	1.2095	12.3	166.462	9.83854
Ba 389.178	0.0491	ppb	0.2097	427.3	-40.8697	0.04907
Be 313.042	0.0196	ppb	0.0057	29.2	-227.007	0.01962
Ca 370.602	4.671	ppb	1.913	41.0	29.24	4.67061
Cd 226.502	-0.0586	ppb	0.0601	102.5	2.6678	-0.05863
Co 228.615	-0.5006	ppb	0.3856	77.0	5.7672	-0.50060
Cr 267.716	0.3015	ppb	0.0943	31.3	22.6707	0.30152
Cu 324.754	0.1017	ppb	0.0750	73.8	344.362	0.10167
Fe 271.441	-2.9552	ppb	1.3192	44.6	-6.3990	-2.95516
K 766.491	-0.3731	ppb	0.1962	52.6	164.142	-0.37308
Mg 279.078	-0.8537	ppb	2.3420	274.3	10.8185	-0.85371
Mn 257.610	0.2271	ppb	0.0207	9.1	60.2200	0.22715
Mo 202.032	-0.0499	ppb	0.3097	620.9	4.0565	-0.04988
Na 330.237	-23.3205	ppb	51.3412	220.2	17.4367	-23.32053
Ni 231.604	0.6501	ppb	0.3588	55.2	-0.2856	0.65006
Pb 220.353	-0.2710	ppb	1.4675	541.6	1.1280	-0.27095
Sb 206.834	0.0599	ppb	1.9803	3304.0	1.4966	0.05994
Se 196.026	-5.3389	ppb	2.8171	52.8	0.7354	-5.33892
Sn 189.925	-1.6598	ppb	1.0555	63.6	-2.2868	-1.65984
Sr 216.596	0.1036	ppb	0.1189	114.8	2.0724	0.10358
Ti 334.941	0.0038	ppb	0.0515	1344.6	15.5835	0.00383
Tl 190.794	0.9034	ppb	1.1953	132.3	-1.9605	0.90336
V 292.401	0.3941	ppb	0.1370	34.8	0.2242	0.39405
Zn 206.200	0.6097	ppb	1.3858	227.3	0.3051	0.60966

IDL (Samp) **8/29/2014, 3:03:50 PM** **Rack 1, Tube 3**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Replicates Concentration		
Ag 328.068	0.0474	-0.2224u	-0.0419u
Al 308.215	0.3776	-0.4195u	0.9798
As 188.980	7.0796	6.2867	3.5809
B 249.678	1.5630	1.1004	0.0414
Ba 389.178	0.2922	0.2786	-0.6236u
Be 313.042	-0.0030u	0.0007	-0.0033u
Ca 370.602	2.452	-0.9741u	3.464
Cd 226.502	-0.0485u	0.0278	-0.0826u
Co 228.615	-0.0247u	-0.4679u	0.1451
Cr 267.716	0.0470	-0.0550u	-0.2065u

Label	Replicates Concentration		
Cu 324.754	-0.1345u	-0.0338u	0.0147
Fe 271.441	-0.8511u	-7.6991u	0.7820
K 766.491	1.0931	0.5859	1.0973
Mg 279.078	-4.2886u	-0.3994u	-0.4450u
Mn 257.610	0.9540	0.9495	1.0196
Mo 202.032	-0.6281u	-0.4401u	-0.2765u
Na 330.237	-165.877u	17.9418	-80.3256u
Ni 231.604	-0.5994u	0.7847	0.7897
Pb 220.353	0.4447	0.6420	0.9367
Sb 206.834	-0.7982u	0.3695	-1.2953u
Se 196.026	-5.7078u	-8.7882u	2.7934
Sn 189.925	-3.6458u	-5.9092u	-6.0996u
Sr 216.596	0.7974	0.1010	-0.9568u
Ti 334.941	0.0213	-0.0452u	0.0239
Tl 190.794	-2.9778u	-3.4766u	-0.4124u
V 292.401	0.0899	-0.1709u	0.1670
Zn 206.200	-0.3321u	0.8870	0.7520

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.0723	ppb	0.1375	190.1	15.4922
Al 308.215	0.3126	ppb	0.7019	224.5	311.314
As 188.980	5.6491	ppb	1.8344	32.5	-0.0740
B 249.678	0.9016	ppb	0.7800	86.5	83.9153
Ba 389.178	-0.0176	ppb	0.5249	2985.6	-41.8694
Be 313.042	-0.0019	ppb	0.0022	119.8	-248.052
Ca 370.602	1.647	ppb	2.326	141.2	23.94
Cd 226.502	-0.0344	ppb	0.0565	164.1	3.2318
Co 228.615	-0.1158	ppb	0.3165	273.2	7.9486
Cr 267.716	-0.0715	ppb	0.1275	178.4	11.7251
Cu 324.754	-0.0512	ppb	0.0761	148.7	338.214
Fe 271.441	-2.5894	ppb	4.4998	173.8	-6.1106
K 766.491	0.9255	ppb	0.2940	31.8	200.937
Mg 279.078	-1.7110	ppb	2.2324	130.5	9.4136
Mn 257.610	0.9744	ppb	0.0392	4.0	152.469
Mo 202.032	-0.4483	ppb	0.1759	39.2	2.4722
Na 330.237	-76.0869	ppb	91.9826	120.9	15.5919
Ni 231.604	0.3250	ppb	0.8006	246.3	-0.8851
Pb 220.353	0.6744	ppb	0.2476	36.7	1.9732
Sb 206.834	-0.5747	ppb	0.8546	148.7	0.9440
Se 196.026	-3.9008	ppb	5.9985	153.8	1.1036
Sn 189.925	-5.2182	ppb	1.3651	26.2	-3.8445
Sr 216.596	-0.0195	ppb	0.8833	4536.4	1.2627
Ti 334.941	0.0000	ppb	0.0392	238815.3	14.8553
Tl 190.794	-2.2889	ppb	1.6442	71.8	-3.9073
V 292.401	0.0286	ppb	0.1771	618.2	-4.5910
Zn 206.200	0.4356	ppb	0.6683	153.4	0.2011

IDL (Samp) **8/29/2014, 3:08:05 PM** **Rack 1, Tube 4**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Replicates Concentration		
Ag 328.068	-0.1197u	-0.0290u	-0.1303u
Al 308.215	0.5512	0.1486	2.3237
As 188.980	-2.8915u	-2.2868u	5.0773

Label	Replicates Concentration		
B 249.678	-1.3778u	-1.6253u	-2.0417u
Ba 389.178	0.2777	-0.9846u	-0.3628u
Be 313.042	0.0002	-0.0116u	0.0023
Ca 370.602	1.179	0.2931	-2.929u
Cd 226.502	-0.0277u	-0.0566u	-0.1040u
Co 228.615	0.0544	-0.5841u	-0.6426u
Cr 267.716	-0.0254u	-0.1696u	-0.2304u
Cu 324.754	0.2397	0.0150	0.0436
Fe 271.441	-11.4325u	7.7776	-8.8405u
K 766.491	-0.1714u	-0.0639u	-0.4992u
Mg 279.078	-2.1108u	-2.6315u	-0.8308u
Mn 257.610	-0.0333u	-0.0350u	-0.0283u
Mo 202.032	-0.5730u	-0.6177u	-0.1929u
Na 330.237	-42.9444u	-159.722u	-68.5369u
Ni 231.604	-0.3826u	-0.4728u	0.9797
Pb 220.353	-0.4251u	0.4205	0.7930
Sb 206.834	3.9548	0.6937	-2.6091u
Se 196.026	-5.7199u	-3.4018u	4.5239
Sn 189.925	-5.6358u	-1.6873u	-2.0366u
Sr 216.596	0.4393	0.7250	-0.6964u
Ti 334.941	-0.0676u	-0.0554u	-0.0323u
Tl 190.794	-1.2892u	0.9766	-0.3513u
V 292.401	0.5632	0.0837	0.0897
Zn 206.200	-0.9730u	-1.6680u	-0.1274u

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.0930	ppb	0.0557	59.9	14.3513
Al 308.215	1.0078	ppb	1.1572	114.8	314.702
As 188.980	-0.0336	ppb	4.4365	13188.5	-2.1081
B 249.678	-1.6816	ppb	0.3355	20.0	60.0581
Ba 389.178	-0.3566	ppb	0.6312	177.0	-46.9370
Be 313.042	-0.0030	ppb	0.0075	247.3	-249.193
Ca 370.602	-0.4857	ppb	2.162	445.1	20.20
Cd 226.502	-0.0628	ppb	0.0386	61.4	2.5600
Co 228.615	-0.3908	ppb	0.3866	98.9	6.3922
Cr 267.716	-0.1418	ppb	0.1053	74.3	9.6559
Cu 324.754	0.0994	ppb	0.1223	123.1	344.264
Fe 271.441	-4.1651	ppb	10.4236	250.3	-7.3515
K 766.491	-0.2448	ppb	0.2268	92.6	167.776
Mg 279.078	-1.8577	ppb	0.9266	49.9	9.1869
Mn 257.610	-0.0322	ppb	0.0035	10.8	28.1895
Mo 202.032	-0.4612	ppb	0.2335	50.6	2.4206
Na 330.237	-90.4012	ppb	61.3823	67.9	15.0965
Ni 231.604	0.0414	ppb	0.8138	1964.5	-1.4078
Pb 220.353	0.2628	ppb	0.6242	237.5	1.6050
Sb 206.834	0.6798	ppb	3.2820	482.8	2.0376
Se 196.026	-1.5326	ppb	5.3716	350.5	1.7096
Sn 189.925	-3.1199	ppb	2.1858	70.1	-2.9260
Sr 216.596	0.1560	ppb	0.7519	482.0	2.4311
Ti 334.941	-0.0518	ppb	0.0179	34.6	4.9696
Tl 190.794	-0.2213	ppb	1.1385	514.5	-2.6461
V 292.401	0.2455	ppb	0.2751	112.1	-1.7104
Zn 206.200	-0.9228	ppb	0.7715	83.6	-0.6166

IDL (Samp) **8/29/2014, 3:12:21 PM** **Rack 1, Tube 5**

Weight: 1 **Volume: 1** **Dilution: 1**

Label	Replicates Concentration		
Ag 328.068	-0.2052u	-0.2184u	-0.2603u
Al 308.215	-0.3312u	-1.4878u	-1.4925u
As 188.980	0.5300	-5.2594u	0.2281
B 249.678	-2.1536u	-2.5813u	-2.8667u
Ba 389.178	0.9718	0.1360	-0.1746u
Be 313.042	-0.0028u	-0.0072u	-0.0025u
Ca 370.602	0.1156	1.137	3.875
Cd 226.502	-0.1461u	-0.0595u	-0.2730u
Co 228.615	-0.4040u	-1.0654u	-0.5224u
Cr 267.716	-0.1246u	-0.0409u	0.1167
Cu 324.754	0.2036	-0.0556u	-0.2379u
Fe 271.441	-0.8806u	-0.5160u	-3.0064u
K 766.491	-0.4574u	-0.3845u	0.2264
Mg 279.078	-3.7641u	-1.9136u	-2.1155u
Mn 257.610	-0.0179u	-0.0092u	-0.0337u
Mo 202.032	-0.6390u	-0.0523u	-0.0104u
Na 330.237	-34.6901u	79.9327	22.6245
Ni 231.604	-0.1476u	0.1356	-0.5631u
Pb 220.353	2.5907	-3.3978u	0.0225
Sb 206.834	-0.5423u	0.0782	-3.0913u
Se 196.026	-3.2687u	2.2214	-1.5760u
Sn 189.925	-1.9050u	-7.7457u	-1.8009u
Sr 216.596	0.2227	-0.2021u	0.5808
Ti 334.941	0.1954	-0.0289u	0.0689
Tl 190.794	-0.0904u	-0.6510u	0.0128
V 292.401	-0.0132u	-0.4175u	0.0098
Zn 206.200	-1.1457u	0.4038	-1.8139u

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.2280	ppb	0.0288	12.6	6.9265
Al 308.215	-1.1038	ppb	0.6691	60.6	304.448
As 188.980	-1.5004	ppb	3.2588	217.2	-2.6332
B 249.678	-2.5339	ppb	0.3589	14.2	52.1824
Ba 389.178	0.3110	ppb	0.5929	190.6	-36.9569
Be 313.042	-0.0042	ppb	0.0026	63.3	-250.314
Ca 370.602	1.709	ppb	1.944	113.7	24.06
Cd 226.502	-0.1595	ppb	0.1074	67.3	0.3150
Co 228.615	-0.6639	ppb	0.3526	53.1	4.8476
Cr 267.716	-0.0163	ppb	0.1225	752.2	13.3451
Cu 324.754	-0.0299	ppb	0.2219	740.9	339.073
Fe 271.441	-1.4676	ppb	1.3450	91.6	-5.2710
K 766.491	-0.2052	ppb	0.3755	183.0	168.900
Mg 279.078	-2.5977	ppb	1.0151	39.1	7.9829
Mn 257.610	-0.0203	ppb	0.0124	61.2	29.6624
Mo 202.032	-0.2339	ppb	0.3514	150.2	3.3248
Na 330.237	22.6223	ppb	57.3114	253.3	19.0559
Ni 231.604	-0.1917	ppb	0.3515	183.3	-1.8369
Pb 220.353	-0.2615	ppb	3.0044	1148.8	1.1365
Sb 206.834	-1.1852	ppb	1.6797	141.7	0.4105
Se 196.026	-0.8744	ppb	2.8115	321.5	1.8781
Sn 189.925	-3.8172	ppb	3.4026	89.1	-3.2312
Sr 216.596	0.2005	ppb	0.3919	195.5	2.7295

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ti 334.941	0.0785	ppb	0.1124	143.3	29.8356
Tl 190.794	-0.2429	ppb	0.3572	147.1	-2.6608
V 292.401	-0.1403	ppb	0.2404	171.3	-6.8529
Zn 206.200	-0.8520	ppb	1.1376	133.5	-0.5742

IDL (Samp) **8/29/2014, 3:16:37 PM** **Rack 1, Tube 6**

Weight: 1 **Volume: 1** **Dilution: 1**

Label	Replicates Concentration		
Ag 328.068	-0.0605u	-0.1435u	-0.1695u
Al 308.215	1.3364	0.8588	2.0787
As 188.980	0.4135	2.3249	1.2507
B 249.678	-3.5949u	-3.4109u	-3.2194u
Ba 389.178	0.4215	-0.1317u	-0.0839u
Be 313.042	-0.0088u	-0.0052u	-0.0015u
Ca 370.602	-2.920u	-0.7626u	5.114
Cd 226.502	-0.1543u	-0.1133u	-0.0007u
Co 228.615	-0.1298u	-0.3342u	-0.2182u
Cr 267.716	-0.2090u	-0.0619u	0.1831
Cu 324.754	-0.1022u	-0.0896u	0.1143
Fe 271.441	-0.7383u	-2.7905u	-3.2255u
K 766.491	-0.0283u	-0.5063u	-0.2285u
Mg 279.078	1.2938	-0.1477u	-2.9897u
Mn 257.610	0.0288	-0.0107u	-0.0387u
Mo 202.032	-0.3303u	-0.2480u	0.0783
Na 330.237	-80.0658u	67.7321	-37.1503u
Ni 231.604	1.0928	-0.1481u	1.1585
Pb 220.353	-0.6219u	2.0767	-0.1448u
Sb 206.834	-0.1884u	-2.2952u	-0.5301u
Se 196.026	-4.7278u	-1.5864u	0.8380
Sn 189.925	-2.2303u	1.1471	0.8978
Sr 216.596	-0.2812u	-0.0992u	-0.2245u
Ti 334.941	-0.0063u	-0.0634u	-0.0150u
Tl 190.794	0.0183	-2.2864u	-1.7689u
V 292.401	0.2456	-0.0243u	-0.0665u
Zn 206.200	0.0652	-1.1206u	-0.2716u

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.1245	ppb	0.0569	45.7	12.6265
Al 308.215	1.4246	ppb	0.6147	43.1	316.728
As 188.980	1.3297	ppb	0.9582	72.1	-1.6202
B 249.678	-3.4084	ppb	0.1877	5.5	44.0979
Ba 389.178	0.0686	ppb	0.3065	446.6	-40.5787
Be 313.042	-0.0052	ppb	0.0036	70.7	-251.287
Ca 370.602	0.4769	ppb	4.158	871.8	21.87
Cd 226.502	-0.0895	ppb	0.0796	88.9	1.9489
Co 228.615	-0.2274	ppb	0.1025	45.1	7.3134
Cr 267.716	-0.0293	ppb	0.1981	676.9	12.9618
Cu 324.754	-0.0259	ppb	0.1215	470.0	339.236
Fe 271.441	-2.2515	ppb	1.3284	59.0	-5.8611
K 766.491	-0.2544	ppb	0.2400	94.4	167.505
Mg 279.078	-0.6145	ppb	2.1796	354.7	11.2102
Mn 257.610	-0.0069	ppb	0.0339	494.5	31.3263
Mo 202.032	-0.1666	ppb	0.2161	129.7	3.5922

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Na 330.237	-16.4946	ppb	76.0332	461.0	17.6891
Ni 231.604	0.7011	ppb	0.7361	105.0	-0.1914
Pb 220.353	0.4367	ppb	1.4402	329.8	1.7605
Sb 206.834	-1.0046	ppb	1.1307	112.6	0.5685
Se 196.026	-1.8254	ppb	2.7906	152.9	1.6347
Sn 189.925	-0.0618	ppb	1.8821	3046.2	-1.5872
Sr 216.596	-0.2016	ppb	0.0931	46.2	0.0321
Ti 334.941	-0.0282	ppb	0.0308	109.0	9.4631
Tl 190.794	-1.3456	ppb	1.2092	89.9	-3.3327
V 292.401	0.0516	ppb	0.1693	328.0	-4.3017
Zn 206.200	-0.4423	ppb	0.6111	138.2	-0.3276

IDL (Samp) **8/29/2014, 3:20:53 PM** **Rack 1, Tube 7**

Weight: 1 **Volume: 1** **Dilution: 1**

Label	Replicates Concentration		
Ag 328.068	-0.2267u	-0.3126u	-0.1353u
Al 308.215	-0.1532u	1.9769	0.2271
As 188.980	-6.1863u	-1.4178u	2.2959
B 249.678	-4.5013u	-3.3657u	-3.7323u
Ba 389.178	0.2298	0.2751	0.0606
Be 313.042	-0.0005u	-0.0044u	-0.0046u
Ca 370.602	6.058	0.6065	2.135
Cd 226.502	-0.0699u	-0.0890u	-0.0999u
Co 228.615	-0.4848u	0.0331	-0.3581u
Cr 267.716	-0.1741u	-0.1596u	0.0406
Cu 324.754	-0.0312u	-0.0184u	0.1683
Fe 271.441	-5.3513u	-1.3744u	-6.8956u
K 766.491	-0.9303u	-0.3944u	-0.8171u
Mg 279.078	-3.7997u	-3.2393u	-2.9592u
Mn 257.610	-0.0231u	-0.0304u	-0.0046u
Mo 202.032	-0.0827u	-0.2560u	-1.1315u
Na 330.237	-151.195u	-107.886u	-176.960u
Ni 231.604	0.7862	-0.4880u	-1.3431u
Pb 220.353	1.1977	-0.2463u	0.0330
Sb 206.834	-3.0494u	-0.4516u	1.1259
Se 196.026	1.9457	-0.3488u	-1.3752u
Sn 189.925	1.7217	-3.7594u	-5.9449u
Sr 216.596	-0.1953u	0.1604	-0.1798u
Ti 334.941	-0.0081u	-0.0860u	-0.0285u
Tl 190.794	-2.1043u	-2.6072u	1.1601
V 292.401	-0.1731u	0.0344	-0.0671u
Zn 206.200	-2.1517u	1.0361	0.0389

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.2249	ppb	0.0887	39.4	7.1012
Al 308.215	0.6836	ppb	1.1361	166.2	313.111
As 188.980	-1.7694	ppb	4.2520	240.3	-2.7295
B 249.678	-3.8664	ppb	0.5796	15.0	39.8609
Ba 389.178	0.1885	ppb	0.1131	60.0	-38.7880
Be 313.042	-0.0031	ppb	0.0023	74.0	-249.301
Ca 370.602	2.933	ppb	2.812	95.9	26.16
Cd 226.502	-0.0863	ppb	0.0152	17.6	2.0265
Co 228.615	-0.2699	ppb	0.2700	100.0	7.0765

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Cr 267.716	-0.0977	ppb	0.1200	122.8	10.9530
Cu 324.754	0.0396	ppb	0.1116	282.2	341.862
Fe 271.441	-4.5404	ppb	2.8485	62.7	-7.6519
K 766.491	-0.7139	ppb	0.2824	39.6	154.484
Mg 279.078	-3.3327	ppb	0.4279	12.8	6.7858
Mn 257.610	-0.0194	ppb	0.0133	68.8	29.7822
Mo 202.032	-0.4901	ppb	0.5622	114.7	2.3059
Na 330.237	-145.347	ppb	34.9066	24.0	13.1585
Ni 231.604	-0.3483	ppb	1.0715	307.6	-2.1260
Pb 220.353	0.3281	ppb	0.7659	233.4	1.6637
Sb 206.834	-0.7917	ppb	2.1083	266.3	0.7556
Se 196.026	0.0739	ppb	1.7003	2301.5	2.1209
Sn 189.925	-2.6609	ppb	3.9496	148.4	-2.7250
Sr 216.596	-0.0716	ppb	0.2011	281.0	0.9172
Ti 334.941	-0.0409	ppb	0.0404	98.9	7.0514
Tl 190.794	-1.1838	ppb	2.0454	172.8	-3.2340
V 292.401	-0.0686	ppb	0.1038	151.3	-5.8827
Zn 206.200	-0.3589	ppb	1.6307	454.4	-0.2773

IDL (Samp) **8/29/2014, 3:25:09 PM** **Rack 1, Tube 8**

Weight: 1 **Volume: 1** **Dilution: 1**

Label	Replicates Concentration		
Ag 328.068	-0.1237u	-0.1194u	-0.0091u
Al 308.215	0.0816	0.6152	1.1338
As 188.980	-1.2056u	0.1822	0.6038
B 249.678	-3.8784u	-4.0672u	-4.0920u
Ba 389.178	0.0938	-0.2895u	0.4316
Be 313.042	-0.0057u	-0.0028u	-0.0016u
Ca 370.602	3.135	1.889	4.250
Cd 226.502	-0.1903u	-0.0718u	-0.0747u
Co 228.615	-0.9196u	-0.3617u	-0.1322u
Cr 267.716	-0.0919u	-0.0940u	0.0979
Cu 324.754	-0.0487u	-0.1078u	0.2119
Fe 271.441	-8.4756u	-0.4258u	-7.2249u
K 766.491	-0.5004u	0.0273	-0.3798u
Mg 279.078	1.7194	-0.6568u	-0.4185u
Mn 257.610	0.0170	-0.0428u	-0.0128u
Mo 202.032	-0.4997u	0.3004	0.1304
Na 330.237	-245.074u	-92.2890u	-271.284u
Ni 231.604	0.8966	-0.3222u	0.7392
Pb 220.353	-0.6897u	-1.5010u	1.6894
Sb 206.834	-2.0045u	-2.5231u	1.2598
Se 196.026	-1.5778u	-5.9614u	-6.8289u
Sn 189.925	-4.8793u	-4.0088u	-3.3933u
Sr 216.596	-0.0707u	-0.1452u	-0.5472u
Ti 334.941	-0.0598u	-0.0847u	-0.0508u
Tl 190.794	-2.7596u	-0.2762u	-2.6157u
V 292.401	0.3609	0.2801	0.0147
Zn 206.200	-0.8332u	2.0948	-1.1101u

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.0841	ppb	0.0649	77.3	14.8506
Al 308.215	0.6102	ppb	0.5261	86.2	312.793

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
As 188.980	-0.1399	ppb	0.9467	676.9	-2.1462
B 249.678	-4.0125	ppb	0.1168	2.9	38.5248
Ba 389.178	0.0786	ppb	0.3608	458.8	-40.4294
Be 313.042	-0.0034	ppb	0.0021	62.3	-249.533
Ca 370.602	3.091	ppb	1.181	38.2	26.47
Cd 226.502	-0.1123	ppb	0.0676	60.2	1.4061
Co 228.615	-0.4712	ppb	0.4049	85.9	5.9333
Cr 267.716	-0.0294	ppb	0.1102	375.2	12.9561
Cu 324.754	0.0185	ppb	0.1701	920.8	341.020
Fe 271.441	-5.3754	ppb	4.3319	80.6	-8.2908
K 766.491	-0.2843	ppb	0.2765	97.3	166.657
Mg 279.078	0.2147	ppb	1.3086	609.4	12.5609
Mn 257.610	-0.0129	ppb	0.0299	232.2	30.5782
Mo 202.032	-0.0230	ppb	0.4215	1833.6	4.1637
Na 330.237	-202.882	ppb	96.6691	47.6	11.1344
Ni 231.604	0.4379	ppb	0.6629	151.4	-0.6770
Pb 220.353	-0.1671	ppb	1.6582	992.2	1.2205
Sb 206.834	-1.0892	ppb	2.0508	188.3	0.4916
Se 196.026	-4.7894	ppb	2.8149	58.8	0.8760
Sn 189.925	-4.0938	ppb	0.7466	18.2	-3.3523
Sr 216.596	-0.2544	ppb	0.2563	100.8	-0.3159
Ti 334.941	-0.0651	ppb	0.0175	27.0	2.4235
Tl 190.794	-1.8838	ppb	1.3941	74.0	-3.6610
V 292.401	0.2186	ppb	0.1811	82.9	-2.1014
Zn 206.200	0.0505	ppb	1.7758	3517.5	-0.0308

IDL (Samp) **8/29/2014, 3:29:26 PM** **Rack 1, Tube 9**

Weight: 1 **Volume: 1** **Dilution: 1**

Label	Replicates Concentration		
Ag 328.068	0.0414	-0.1196u	-0.0974u
Al 308.215	1.0771	0.4415	-0.2520u
As 188.980	-0.3614u	-4.9985u	1.2736
B 249.678	-4.2282u	-4.0420u	-4.4295u
Ba 389.178	0.3170	-0.6400u	-0.4962u
Be 313.042	-0.0123u	-0.0026u	0.0012
Ca 370.602	0.9555	3.834	0.5151
Cd 226.502	-0.1380u	0.0776	0.1450
Co 228.615	-0.3155u	-0.6192u	0.0090
Cr 267.716	-0.1233u	-0.2266u	-0.0124u
Cu 324.754	0.0048	0.0776	-0.0296u
Fe 271.441	-3.1167u	2.8647	0.8071
K 766.491	-0.6474u	-1.2041u	-0.7969u
Mg 279.078	1.2352	1.2540	-3.2544u
Mn 257.610	0.0321	0.0016	-0.0095u
Mo 202.032	-0.1974u	-0.6892u	0.1900
Na 330.237	-71.6312u	-120.075u	-43.8354u
Ni 231.604	-0.0181u	0.3770	-0.5386u
Pb 220.353	0.7407	1.0242	-1.7983u
Sb 206.834	-0.0649u	-6.9524u	-2.0617u
Se 196.026	1.9268	1.1272	-5.9657u
Sn 189.925	-3.4107u	-3.0457u	1.6728
Sr 216.596	-0.2176u	0.2035	-0.6170u
Ti 334.941	-0.0380u	0.0695	-0.0407u

Label	Replicates Concentration		
Tl 190.794	-0.3740u	-0.8943u	-2.9566u
V 292.401	0.1325	0.2913	0.1744
Zn 206.200	-0.6980u	-0.6140u	-0.7353u

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.0585	ppb	0.0873	149.1	16.2542
Al 308.215	0.4222	ppb	0.6647	157.4	311.878
As 188.980	-1.3621	ppb	3.2536	238.9	-2.5837
B 249.678	-4.2332	ppb	0.1938	4.6	36.4634
Ba 389.178	-0.2731	ppb	0.5161	189.0	-45.6873
Be 313.042	-0.0045	ppb	0.0070	153.3	-250.696
Ca 370.602	1.768	ppb	1.803	101.9	24.16
Cd 226.502	0.0282	ppb	0.1478	524.3	4.6868
Co 228.615	-0.3086	ppb	0.3141	101.8	6.8535
Cr 267.716	-0.1208	ppb	0.1072	88.7	10.2736
Cu 324.754	0.0176	ppb	0.0547	311.1	340.983
Fe 271.441	0.1850	ppb	3.0389	1642.2	-3.9617
K 766.491	-0.8828	ppb	0.2881	32.6	149.698
Mg 279.078	-0.2551	ppb	2.5975	1018.4	11.7958
Mn 257.610	0.0080	ppb	0.0215	268.2	33.1616
Mo 202.032	-0.2322	ppb	0.4406	189.7	3.3314
Na 330.237	-78.5139	ppb	38.5831	49.1	15.5059
Ni 231.604	-0.0599	ppb	0.4592	766.2	-1.5945
Pb 220.353	-0.0111	ppb	1.5542	13956.0	1.3600
Sb 206.834	-3.0263	ppb	3.5437	117.1	-1.1967
Se 196.026	-0.9706	ppb	4.3443	447.6	1.8535
Sn 189.925	-1.5946	ppb	2.8355	177.8	-2.2582
Sr 216.596	-0.2104	ppb	0.4103	195.0	-0.0222
Ti 334.941	-0.0031	ppb	0.0628	2051.8	14.2700
Tl 190.794	-1.4083	ppb	1.3659	97.0	-3.3711
V 292.401	0.1994	ppb	0.0823	41.3	-2.3469
Zn 206.200	-0.6824	ppb	0.0621	9.1	-0.4719

IDL (Samp) **8/29/2014, 3:33:43 PM** **Rack 1, Tube 10**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Replicates Concentration		
Ag 328.068	-0.1761u	-0.2337u	-0.1836u
Al 308.215	0.9218	-0.7495u	0.6334
As 188.980	-4.2542u	-2.0088u	2.1140
B 249.678	-4.3676u	-4.8567u	-4.6605u
Ba 389.178	0.5791	0.2055	0.0709
Be 313.042	0.0011	0.0065	-0.0048u
Ca 370.602	3.055	-0.5677u	1.464
Cd 226.502	-0.1549u	-0.1407u	-0.0241u
Co 228.615	-1.0055u	-0.8870u	-0.7616u
Cr 267.716	-0.1351u	-0.1834u	-0.0940u
Cu 324.754	-0.0881u	-0.0161u	-0.2967u
Fe 271.441	-3.7836u	-5.3885u	-2.8121u
K 766.491	-0.8300u	-1.1292u	-0.2318u
Mg 279.078	-2.8277u	-2.4726u	-2.5940u
Mn 257.610	0.0713	-0.0101u	0.0314
Mo 202.032	-0.0080u	0.1445	-0.4542u
Na 330.237	-179.115u	-67.2088u	-181.280u

Label	Replicates Concentration		
Ni 231.604	-0.1999u	0.8385	-0.0066u
Pb 220.353	-0.2513u	-2.0583u	-3.0299u
Sb 206.834	-0.4780u	-2.0295u	-0.4639u
Se 196.026	-6.6110u	-8.1170u	-5.5376u
Sn 189.925	-5.1722u	-5.2207u	-2.1462u
Sr 216.596	-0.6172u	-0.5182u	-1.0181u
Ti 334.941	0.0173	-0.0645u	-0.0934u
Tl 190.794	-6.0771u	-2.9587u	-1.2623u
V 292.401	0.0965	-0.0351u	-0.3445u
Zn 206.200	0.6027	-0.3112u	-0.6842u

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.1978	ppb	0.0313	15.8	8.6070
Al 308.215	0.2686	ppb	0.8934	332.6	311.118
As 188.980	-1.3830	ppb	3.2299	233.5	-2.5912
B 249.678	-4.6282	ppb	0.2462	5.3	32.8357
Ba 389.178	0.2852	ppb	0.2633	92.3	-37.3434
Be 313.042	0.0009	ppb	0.0057	599.3	-245.312
Ca 370.602	1.317	ppb	1.816	137.9	23.34
Cd 226.502	-0.1066	ppb	0.0718	67.4	1.5481
Co 228.615	-0.8847	ppb	0.1219	13.8	3.5971
Cr 267.716	-0.1375	ppb	0.0447	32.5	9.7843
Cu 324.754	-0.1336	ppb	0.1457	109.0	334.906
Fe 271.441	-3.9947	ppb	1.3011	32.6	-7.2557
K 766.491	-0.7303	ppb	0.4569	62.6	154.019
Mg 279.078	-2.6314	ppb	0.1805	6.9	7.9273
Mn 257.610	0.0309	ppb	0.0407	131.8	35.9756
Mo 202.032	-0.1059	ppb	0.3111	293.7	3.8339
Na 330.237	-142.535	ppb	65.2431	45.8	13.2557
Ni 231.604	0.2107	ppb	0.5523	262.2	-1.0947
Pb 220.353	-1.7798	ppb	1.4100	79.2	-0.2206
Sb 206.834	-0.9905	ppb	0.8998	90.9	0.5786
Se 196.026	-6.7552	ppb	1.2957	19.2	0.3728
Sn 189.925	-4.1797	ppb	1.7612	42.1	-3.3899
Sr 216.596	-0.7178	ppb	0.2647	36.9	-3.4081
Ti 334.941	-0.0468	ppb	0.0574	122.5	5.9065
Tl 190.794	-3.4327	ppb	2.4421	71.1	-4.6072
V 292.401	-0.0944	ppb	0.2264	239.9	-6.2465
Zn 206.200	-0.1309	ppb	0.6622	505.8	-0.1399

IDL (Samp) **8/29/2014, 3:38:01 PM** **Rack 1, Tube 11**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Replicates Concentration		
Ag 328.068	-0.2612u	-0.1653u	-0.2598u
Al 308.215	0.4563	3.1709	0.1163
As 188.980	-1.2982u	-5.9951u	3.0900
B 249.678	-4.8499u	-4.0585u	-4.2201u
Ba 389.178	-0.3241u	-0.1197u	-0.6855u
Be 313.042	-0.0090u	-0.0017u	0.0019
Ca 370.602	1.498	-2.028u	5.430
Cd 226.502	-0.0496u	-0.0235u	-0.1544u
Co 228.615	-1.3417u	-0.6075u	-0.5287u
Cr 267.716	-0.1089u	-0.0973u	-0.0757u

Label	Replicates Concentration		
Cu 324.754	-0.1252u	-0.1678u	-0.2681u
Fe 271.441	-0.5766u	1.3588	-8.4802u
K 766.491	-0.3572u	-0.8944u	-0.8654u
Mg 279.078	0.4150	0.8279	0.8909
Mn 257.610	-0.0285u	0.0019	-0.0184u
Mo 202.032	-0.1734u	-0.2132u	-0.5122u
Na 330.237	-289.317u	-88.6036u	-157.011u
Ni 231.604	-0.2402u	0.1540	-0.8673u
Pb 220.353	1.3671	-1.2166u	-2.3135u
Sb 206.834	-2.9616u	-1.9035u	-2.6121u
Se 196.026	11.7915	-0.5864u	1.4877
Sn 189.925	-3.9119u	-2.8598u	-2.9138u
Sr 216.596	0.0473	-0.5486u	-0.2267u
Ti 334.941	-0.0944u	-0.0679u	-0.1379u
Tl 190.794	-2.5374u	-1.2569u	-0.7696u
V 292.401	0.1538	0.2865	0.0363
Zn 206.200	-0.1480u	0.3658	-1.8924u

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.2288	ppb	0.0550	24.0	6.8862
Al 308.215	1.2478	ppb	1.6741	134.2	315.872
As 188.980	-1.4011	ppb	4.5434	324.3	-2.5977
B 249.678	-4.3762	ppb	0.4182	9.6	35.1546
Ba 389.178	-0.3764	ppb	0.2865	76.1	-47.2329
Be 313.042	-0.0029	ppb	0.0056	189.2	-249.118
Ca 370.602	1.633	ppb	3.730	228.4	23.90
Cd 226.502	-0.0758	ppb	0.0693	91.4	2.2555
Co 228.615	-0.8260	ppb	0.4484	54.3	3.9288
Cr 267.716	-0.0940	ppb	0.0168	17.9	11.0591
Cu 324.754	-0.1870	ppb	0.0734	39.2	332.758
Fe 271.441	-2.5660	ppb	5.2125	203.1	-6.1183
K 766.491	-0.7057	ppb	0.3021	42.8	154.717
Mg 279.078	0.7113	ppb	0.2585	36.3	13.3691
Mn 257.610	-0.0150	ppb	0.0155	103.2	30.3155
Mo 202.032	-0.2996	ppb	0.1851	61.8	3.0634
Na 330.237	-178.311	ppb	102.038	57.2	12.0084
Ni 231.604	-0.3178	ppb	0.5150	162.1	-2.0698
Pb 220.353	-0.7210	ppb	1.8897	262.1	0.7256
Sb 206.834	-2.4924	ppb	0.5391	21.6	-0.7301
Se 196.026	4.2310	ppb	6.6293	156.7	3.1850
Sn 189.925	-3.2285	ppb	0.5924	18.4	-2.9735
Sr 216.596	-0.2427	ppb	0.2983	122.9	-0.2285
Ti 334.941	-0.1001	ppb	0.0353	35.3	-4.2606
Tl 190.794	-1.5213	ppb	0.9131	60.0	-3.4400
V 292.401	0.1589	ppb	0.1252	78.8	-2.8789
Zn 206.200	-0.5582	ppb	1.1837	212.0	-0.3971

IDL (Samp) **8/29/2014, 3:42:18 PM** **Rack 1, Tube 12**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Replicates Concentration		
Ag 328.068	-0.1078u	0.1820	-0.0744u
Al 308.215	0.0117	-1.5843u	-0.2676u
As 188.980	-1.3323u	1.6451	2.1810

Label	Replicates Concentration		
B 249.678	-4.7179u	-4.8512u	-5.4456u
Ba 389.178	0.2284	-0.0870u	0.0119
Be 313.042	-0.0012u	0.0084	-0.0068u
Ca 370.602	-2.857u	3.763	0.4193
Cd 226.502	-0.1397u	-0.1047u	-0.0450u
Co 228.615	-0.0372u	0.0316	0.1532
Cr 267.716	0.0279	-0.0593u	-0.1897u
Cu 324.754	-0.1456u	-0.0182u	-0.2429u
Fe 271.441	-3.2830u	-7.5823u	-6.9694u
K 766.491	-0.4170u	-1.0635u	-0.3908u
Mg 279.078	-1.3393u	-1.4369u	0.2208
Mn 257.610	-0.0546u	-0.0715u	-0.0636u
Mo 202.032	-0.4587u	-0.8251u	-0.5487u
Na 330.237	15.0371	-4.1363u	-44.2006u
Ni 231.604	-0.2685u	-1.2165u	-0.6983u
Pb 220.353	0.9554	-1.2963u	1.6488
Sb 206.834	-0.7320u	2.0762	-1.9808u
Se 196.026	-2.4615u	3.5416	-13.8066u
Sn 189.925	-2.2575u	0.2033	-4.8045u
Sr 216.596	0.1929	-0.1143u	0.0556
Ti 334.941	-0.1727u	-0.0958u	-0.0205u
Tl 190.794	-4.3044u	-2.6742u	-2.8705u
V 292.401	-0.0577u	-0.0400u	0.3128
Zn 206.200	-1.4719u	-0.4101u	-1.2888u

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.0001	ppb	0.1585	209685.3	19.4709
Al 308.215	-0.6134	ppb	0.8523	138.9	306.820
As 188.980	0.8313	ppb	1.8928	227.7	-1.7985
B 249.678	-5.0049	ppb	0.3875	7.7	29.3607
Ba 389.178	0.0511	ppb	0.1613	315.5	-40.8437
Be 313.042	0.0001	ppb	0.0077	5360.6	-246.068
Ca 370.602	0.4416	ppb	3.310	749.5	21.80
Cd 226.502	-0.0965	ppb	0.0478	49.6	1.7792
Co 228.615	0.0492	ppb	0.0964	195.8	8.8825
Cr 267.716	-0.0737	ppb	0.1095	148.7	11.6587
Cu 324.754	-0.1356	ppb	0.1127	83.1	334.818
Fe 271.441	-5.9449	ppb	2.3256	39.1	-8.7225
K 766.491	-0.6238	ppb	0.3811	61.1	157.038
Mg 279.078	-0.8518	ppb	0.9302	109.2	10.8251
Mn 257.610	-0.0632	ppb	0.0085	13.4	24.3577
Mo 202.032	-0.6108	ppb	0.1909	31.3	1.8255
Na 330.237	-11.1000	ppb	30.2266	272.3	17.8740
Ni 231.604	-0.7278	ppb	0.4747	65.2	-2.8263
Pb 220.353	0.4359	ppb	1.5397	353.2	1.7600
Sb 206.834	-0.2122	ppb	2.0778	979.1	1.2627
Se 196.026	-4.2422	ppb	8.8101	207.7	1.0161
Sn 189.925	-2.2862	ppb	2.5040	109.5	-2.5610
Sr 216.596	0.0447	ppb	0.1539	344.1	1.7033
Ti 334.941	-0.0963	ppb	0.0761	79.0	-3.5485
Tl 190.794	-3.2830	ppb	0.8899	27.1	-4.5133
V 292.401	0.0717	ppb	0.2090	291.5	-4.0035
Zn 206.200	-1.0569	ppb	0.5676	53.7	-0.6974

Cont Calib Verif (CCV) **8/29/2014, 3:46:34 PM** **Rack 1, Tube 13**

Weight: 1 **Volume: 1** **Dilution: 1**

Label	Replicates Concentration		
Ag 328.068	507.492	509.715	511.021
Al 308.215	4940.48	4945.87	4949.42
As 188.980	479.532	500.527	494.277
B 249.678	495.012	498.808	501.136
Ba 389.178	5033.26	4995.12	5031.41
Be 313.042	513.991	514.103	515.034
Ca 370.602	4933	4942	4981
Cd 226.502	497.873	497.220	500.513
Co 228.615	499.432	498.711	501.921
Cr 267.716	4984.99	4990.06	5000.17
Cu 324.754	4943.18	5022.15	5013.32
Fe 271.441	4999.80	4997.83	5022.46
K 766.491	10247.5	10284.2	10258.7
Mg 279.078	5000.22	4998.37	5003.61
Mn 257.610	5083.64	5074.98	5070.30
Mo 202.032	502.598	503.161	504.606
Na 330.237	7721.72	7816.11	7656.41
Ni 231.604	2527.92	2538.26	2536.85
Pb 220.353	496.518	500.027	494.895
Sb 206.834	977.185	977.789	983.055
Se 196.026	4958.63	4976.27	4958.10
Sn 189.925	5027.28	5007.10	5035.24
Sr 216.596	2488.81	2485.32	2498.63
Ti 334.941	497.518	497.196	497.432
Tl 190.794	5034.25	5055.24	5048.63
V 292.401	5055.28	5059.45	5069.51
Zn 206.200	2497.66	2479.45	2485.82

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Ag 328.068	509.409	ppb	1.7840	0.4	28017.5	101.88188
Al 308.215	4945.26	ppb	4.5018	0.1	24682.6	98.90514
As 188.980	491.445	ppb	10.7806	2.2	173.753	98.28909
B 249.678	498.319	ppb	3.0916	0.6	4680.03	99.66371
Ba 389.178	5019.93	ppb	21.5053	0.4	75017.2	100.39864
Be 313.042	514.376	ppb	0.5728	0.1	504192	102.87520
Ca 370.602	4952	ppb	25.40	0.5	8896	99.03670
Cd 226.502	498.535	ppb	1.7438	0.3	11643.2	99.70706
Co 228.615	500.021	ppb	1.6844	0.3	2838.39	100.00427
Cr 267.716	4991.74	ppb	7.7258	0.2	146528	99.83481
Cu 324.754	4992.88	ppb	43.2697	0.9	200949	99.85764
Fe 271.441	5006.70	ppb	13.6848	0.3	3957.82	100.13396
K 766.491	10263.5	ppb	18.7846	0.2	290999	102.63477
Mg 279.078	5000.74	ppb	2.6562	0.1	8089.25	100.01474
Mn 257.610	5076.31	ppb	6.7658	0.1	626814	101.52612
Mo 202.032	503.455	ppb	1.0359	0.2	2003.49	100.69096
Na 330.237	7731.41	ppb	80.2901	1.0	269.178	103.08547
Ni 231.604	2534.34	ppb	5.6089	0.2	4670.66	101.37360
Pb 220.353	497.147	ppb	2.6233	0.5	448.150	99.42937
Sb 206.834	979.343	ppb	3.2287	0.3	885.982	97.93431
Se 196.026	4964.33	ppb	10.3456	0.2	1273.55	99.28667
Sn 189.925	5023.21	ppb	14.5058	0.3	2197.43	100.46414
Sr 216.596	2490.92	ppb	6.8997	0.3	16603.5	99.63675

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Ti 334.941	497.382	ppb	0.1667	0.0	95007.4	99.47639
Tl 190.794	5046.04	ppb	10.7285	0.2	3081.54	100.92084
V 292.401	5061.41	ppb	7.3153	0.1	67135.4	101.22821
Zn 206.200	2487.64	ppb	9.2411	0.4	1488.83	99.50564

Cont Calib Blank (CCB) **8/29/2014, 3:50:48 PM** **Rack 1, Tube 14**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Replicates Concentration		
Ag 328.068	-0.1726u	0.0267	-0.0448u
Al 308.215	0.9251	-0.9457u	-1.1561u
As 188.980	-3.3112u	0.5918	-0.1696u
B 249.678	5.1266	3.5628	3.2303
Ba 389.178	0.5082	0.1198	0.3030
Be 313.042	0.0134	0.0150	0.0074
Ca 370.602	0.8108	-2.920u	-2.074u
Cd 226.502	-0.0088u	-0.3135u	0.0503
Co 228.615	0.1093	-0.1683u	0.0065
Cr 267.716	0.1713	-0.0470u	0.1850
Cu 324.754	0.1363	0.2852	0.2248
Fe 271.441	-0.2857u	-2.9335u	-1.9426u
K 766.491	-0.0457u	-0.5666u	-1.0890u
Mg 279.078	1.1177	-3.6374u	-2.5079u
Mn 257.610	0.2039	0.1910	0.1742
Mo 202.032	-0.5510u	-0.0249u	0.8095
Na 330.237	-95.6710u	-44.5692u	-128.527u
Ni 231.604	-1.8781u	-0.5022u	-0.3178u
Pb 220.353	2.0385	-2.6134u	0.3432
Sb 206.834	-2.3860u	0.8980	-0.6061u
Se 196.026	-4.8832u	-2.6612u	0.9059
Sn 189.925	-3.4031u	-0.6273u	-0.0725u
Sr 216.596	-0.0386u	-0.0919u	-0.0479u
Ti 334.941	0.0068	0.0060	0.0342
Tl 190.794	1.6667	0.8307	-1.0170u
V 292.401	0.2276	0.5754	0.0885
Zn 206.200	0.2983	-0.1405u	-0.8057u

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Ag 328.068	-0.0636	ppb	0.1009	158.8	15.9791	-0.06356
Al 308.215	-0.3922	ppb	1.1457	292.1	307.939	-0.39225
As 188.980	-0.9630	ppb	2.0689	214.8	-2.4409	-0.96300
B 249.678	3.9732	ppb	1.0126	25.5	112.289	3.97321
Ba 389.178	0.3103	ppb	0.1943	62.6	-36.9666	0.31032
Be 313.042	0.0120	ppb	0.0040	33.4	-234.517	0.01197
Ca 370.602	-1.394	ppb	1.956	140.3	18.65	-1.39441
Cd 226.502	-0.0907	ppb	0.1952	215.4	1.9023	-0.09066
Co 228.615	-0.0175	ppb	0.1404	801.3	8.4973	-0.01752
Cr 267.716	0.1031	ppb	0.1302	126.3	16.8440	0.10307
Cu 324.754	0.2154	ppb	0.0749	34.8	348.935	0.21544
Fe 271.441	-1.7206	ppb	1.3378	77.7	-5.4322	-1.72059
K 766.491	-0.5671	ppb	0.5217	92.0	158.645	-0.56708
Mg 279.078	-1.6759	ppb	2.4843	148.2	9.4808	-1.67586
Mn 257.610	0.1897	ppb	0.0149	7.8	55.5893	0.18973
Mo 202.032	0.0779	ppb	0.6861	881.1	4.5648	0.07786

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Na 330.237	-89.5890	ppb	42.3080	47.2	15.1215	-89.58902
Ni 231.604	-0.8994	ppb	0.8526	94.8	-3.1428	-0.89939
Pb 220.353	-0.0772	ppb	2.3543	3049.3	1.3008	-0.07721
Sb 206.834	-0.6980	ppb	1.6439	235.5	0.8330	-0.69805
Se 196.026	-2.2128	ppb	2.9205	132.0	1.5355	-2.21281
Sn 189.925	-1.3676	ppb	1.7844	130.5	-2.1589	-1.36763
Sr 216.596	-0.0595	ppb	0.0285	47.9	0.9965	-0.05945
Ti 334.941	0.0157	ppb	0.0160	102.4	17.8451	0.01567
Tl 190.794	0.4935	ppb	1.3733	278.3	-2.2103	0.49346
V 292.401	0.2971	ppb	0.2508	84.4	-1.0660	0.29714
Zn 206.200	-0.2160	ppb	0.5559	257.4	-0.1914	-0.21598

mb 680-346375/1-a (Samp) **8/29/2014, 3:55:03 PM** **Rack 1, Tube 15**

Weight: 1 **Volume: 1** **Dilution: 1**

Label	Replicates Concentration		
Ag 328.068	-0.1707u	-0.1918u	-0.1448u
Al 308.215	2.1734	1.3926	2.0063
As 188.980	-4.1751u	-0.8919u	-3.8954u
B 249.678	-0.8425u	-1.6359u	-2.1904u
Ba 389.178	1.0156	0.8006	0.4878
Be 313.042	-0.0018u	0.0047	0.0076
Ca 370.602	14.71	7.138	8.171
Cd 226.502	-0.0081u	-0.0153u	-0.0601u
Co 228.615	-0.2357u	0.1802	-0.0863u
Cr 267.716	0.2317	0.2949	-0.0364u
Cu 324.754	0.4142	0.2690	0.1025
Fe 271.441	1.0804	3.0982	-0.9540u
K 766.491	-0.2400u	0.0618	0.1703
Mg 279.078	-4.7063u	-2.1303u	-2.8875u
Mn 257.610	0.1211	0.0754	0.0647
Mo 202.032	-0.2611u	-0.0163u	-0.2302u
Na 330.237	48.2315	-23.3797u	101.765
Ni 231.604	-1.8511u	0.1274	-0.8861u
Pb 220.353	1.0442	-3.5133u	-2.6623u
Sb 206.834	-0.4721u	-0.6881u	-3.7672u
Se 196.026	1.7453	-10.0420u	-5.5858u
Sn 189.925	-1.2020u	-3.9493u	-3.9203u
Sr 216.596	0.0387	-0.0043u	-0.0815u
Ti 334.941	0.1917	0.1380	0.1932
Tl 190.794	1.6018	-3.9742u	-4.4311u
V 292.401	-0.0236u	0.7663	0.3614
Zn 206.200	-0.1180u	-1.9515u	0.2318

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.1691	ppb	0.0236	13.9	10.1687
Al 308.215	1.8574	ppb	0.4112	22.1	318.856
As 188.980	-2.9875	ppb	1.8202	60.9	-3.1655
B 249.678	-1.5563	ppb	0.6775	43.5	61.1951
Ba 389.178	0.7680	ppb	0.2654	34.6	-30.1238
Be 313.042	0.0035	ppb	0.0048	138.6	-242.820
Ca 370.602	10.01	ppb	4.106	41.0	38.58
Cd 226.502	-0.0278	ppb	0.0282	101.3	3.4047
Co 228.615	-0.0473	ppb	0.2107	445.6	8.3343

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Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Cr 267.716	0.1634	ppb	0.1759	107.6	18.6190
Cu 324.754	0.2619	ppb	0.1560	59.6	350.799
Fe 271.441	1.0748	ppb	2.0261	188.5	-3.2714
K 766.491	-0.0027	ppb	0.2126	8009.2	174.638
Mg 279.078	-3.2413	ppb	1.3240	40.8	6.9328
Mn 257.610	0.0871	ppb	0.0300	34.4	42.9231
Mo 202.032	-0.1692	ppb	0.1333	78.8	3.5817
Na 330.237	42.2055	ppb	62.7895	148.8	19.7334
Ni 231.604	-0.8699	ppb	0.9893	113.7	-3.0874
Pb 220.353	-1.7105	ppb	2.4233	141.7	-0.1584
Sb 206.834	-1.6425	ppb	1.8433	112.2	0.0126
Se 196.026	-4.6275	ppb	5.9518	128.6	0.9175
Sn 189.925	-3.0239	ppb	1.5778	52.2	-2.8839
Sr 216.596	-0.0157	ppb	0.0609	388.0	1.3007
Ti 334.941	0.1743	ppb	0.0314	18.0	48.1396
Tl 190.794	-2.2678	ppb	3.3590	148.1	-3.8959
V 292.401	0.3680	ppb	0.3950	107.3	-0.1047
Zn 206.200	-0.6125	ppb	1.1727	191.4	-0.4306

lcs 680-346375/2-a (Samp) **8/29/2014, 3:59:18 PM** **Rack 1, Tube 16**

Weight: 1 **Volume: 1** **Dilution: 1**

Label	Replicates Concentration		
Ag 328.068	52.2143	51.8430	52.4693
Al 308.215	4910.12	4899.00	4900.70
As 188.980	96.7643	106.969	106.124
B 249.678	193.764	193.687	194.561
Ba 389.178	101.818	101.161	100.932
Be 313.042	52.1631	52.0824	52.1435
Ca 370.602	4979	4994	4993
Cd 226.502	50.1885	50.0626	50.2677
Co 228.615	50.3546	50.1479	50.5838
Cr 267.716	103.026	102.955	102.580
Cu 324.754	101.979	102.553	102.338
Fe 271.441	5013.27	5019.08	5043.07
K 766.491	4901.78	4892.46	4902.60
Mg 279.078	4900.97	4892.76	4883.19
Mn 257.610	533.706	532.707	532.976
Mo 202.032	102.688	104.010	101.996
Na 330.237	4767.53	4834.03	4995.81
Ni 231.604	99.7814	100.156	99.8922
Pb 220.353	53.3549	54.6552	49.8635
Sb 206.834	49.3536	47.0028	49.5267
Se 196.026	100.303	102.106	101.004
Sn 189.925	207.564	202.980	200.258
Sr 216.596	101.240	100.990	100.022
Ti 334.941	102.239	101.929	101.812
Tl 190.794	41.1373	33.1390	38.4619
V 292.401	102.708	103.029	102.799
Zn 206.200	99.4594	95.4060	103.762

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	52.1755	ppb	0.3149	0.6	2889.36
Al 308.215	4903.27	ppb	5.9934	0.1	24109.3

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
As 188.980	103.286	ppb	5.6634	5.5	34.8696
B 249.678	194.004	ppb	0.4840	0.2	1861.40
Ba 389.178	101.304	ppb	0.4602	0.5	1479.70
Be 313.042	52.1297	ppb	0.0421	0.1	50860.8
Ca 370.602	4989	ppb	8.418	0.2	8756
Cd 226.502	50.1730	ppb	0.1035	0.2	1191.04
Co 228.615	50.3621	ppb	0.2180	0.4	293.256
Cr 267.716	102.853	ppb	0.2397	0.2	3035.08
Cu 324.754	102.290	ppb	0.2900	0.3	4453.41
Fe 271.441	5025.14	ppb	15.7969	0.3	3920.43
K 766.491	4898.95	ppb	5.6305	0.1	138991
Mg 279.078	4892.31	ppb	8.9009	0.2	7968.88
Mn 257.610	533.130	ppb	0.5169	0.1	65885.5
Mo 202.032	102.898	ppb	1.0234	1.0	413.348
Na 330.237	4865.79	ppb	117.410	2.4	187.257
Ni 231.604	99.9431	ppb	0.1924	0.2	182.968
Pb 220.353	52.6245	ppb	2.4779	4.7	48.5496
Sb 206.834	48.6277	ppb	1.4098	2.9	43.6214
Se 196.026	101.137	ppb	0.9089	0.9	28.0850
Sn 189.925	203.600	ppb	3.6921	1.8	87.5699
Sr 216.596	100.751	ppb	0.6431	0.6	676.599
Ti 334.941	101.993	ppb	0.2210	0.2	19498.8
Tl 190.794	37.5794	ppb	4.0716	10.8	20.1696
V 292.401	102.845	ppb	0.1654	0.2	1353.31
Zn 206.200	99.5424	ppb	4.1785	4.2	59.5590

680-104609-b-2-a (Samp) **8/29/2014, 4:03:33 PM** **Rack 1, Tube 17**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Replicates Concentration		
Ag 328.068	-0.0896u	-0.1933u	-0.3031u
Al 308.215	149.449	151.242	150.978
As 188.980	-0.2322u	-9.5219u	0.5327
B 249.678	51.8226	51.9827	51.5610
Ba 389.178	12.4470	12.0147	12.7203
Be 313.042	0.0324	0.0145	0.0202
Ca 370.602	9755	9790	9802
Cd 226.502	-0.0106	-0.1264	0.0006
Co 228.615	-0.0189	-0.7050u	0.3929
Cr 267.716	1.1300	1.1008	0.9635
Cu 324.754	11.6532	11.2109	11.1985
Fe 271.441	2475.90	2458.98	2476.66
K 766.491	141288x	141753x	142371x
Mg 279.078	595.121	592.765	597.966
Mn 257.610	21.3891	21.4425	21.5884
Mo 202.032	0.5105	0.4669	0.6581
Na 330.237	100720x	100788x	101114x
Ni 231.604	0.8974	0.5714	0.2019
Pb 220.353	-1.0590u	1.1789	1.0679
Sb 206.834	-1.4155u	0.1238	-1.7126u
Se 196.026	7.0933	9.1258	-4.8460u
Sn 189.925	-4.2500u	-3.2509u	-3.7919u
Sr 216.596	43.5770	43.7277	43.9813
Ti 334.941	1.3294	1.3428	1.2181

Label	Replicates Concentration		
Tl 190.794	-5.8474u	-7.3131u	-3.8452u
V 292.401	1.8584	1.8497	1.9950
Zn 206.200	77.1929	75.1217	76.7884

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.1953b	ppb	0.1068	54.7	7.5456
Al 308.215	150.556b	ppb	0.9681	0.6	1043.25
As 188.980	-3.0738b	ppb	5.5973	182.1	-3.2044
B 249.678	51.7888b	ppb	0.2129	0.4	550.979
Ba 389.178	12.3940b	ppb	0.3558	2.9	145.148
Be 313.042	0.0224b	ppb	0.0092	40.9	-231.889
Ca 370.602	9782b	ppb	24.31	0.2	17134
Cd 226.502	-0.0454b	ppb	0.0703	154.8	11.1525
Co 228.615	-0.1103b	ppb	0.5546	502.8	8.1148
Cr 267.716	1.0648b	ppb	0.0889	8.3	46.7823
Cu 324.754	11.3542b	ppb	0.2590	2.3	797.129
Fe 271.441	2470.51b	ppb	9.9972	0.4	1923.55
K 766.491	141804xb	ppb	543.721	0.4	4018309
Mg 279.078	595.284b	ppb	2.6045	0.4	980.997
Mn 257.610	21.4734b	ppb	0.1032	0.5	2690.02
Mo 202.032	0.5451b	ppb	0.1002	18.4	6.3542
Na 330.237	100874xb	ppb	210.273	0.2	3557.72
Ni 231.604	0.5569b	ppb	0.3480	62.5	-0.3308
Pb 220.353	0.3959b	ppb	1.2612	318.5	1.8190
Sb 206.834	-1.0014b	ppb	0.9858	98.4	0.6202
Se 196.026	3.7911b	ppb	7.5487	199.1	3.0877
Sn 189.925	-3.7643b	ppb	0.5001	13.3	-3.1906
Sr 216.596	43.7620b	ppb	0.2043	0.5	297.398
Ti 334.941	1.2968b	ppb	0.0685	5.3	258.437
Tl 190.794	-5.6686b	ppb	1.7408	30.7	-6.1501
V 292.401	1.9010b	ppb	0.0815	4.3	20.3103
Zn 206.200	76.3676b	ppb	1.0978	1.4	45.8482

680-104609-b-2-aSD (Samp) **8/29/2014, 4:07:49 PM** **Rack 1, Tube 18**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Replicates Concentration		
Ag 328.068	-0.2125u	-0.2264u	-0.1521u
Al 308.215	32.0931	30.1872	27.2158
As 188.980	-6.1392u	-3.7074u	-0.7580u
B 249.678	7.6016	7.1225	6.8211
Ba 389.178	2.3907	2.6714	2.7534
Be 313.042	0.0227	0.0079	0.0163
Ca 370.602	1931	1895	1879
Cd 226.502	-0.0971u	0.0765	0.0016
Co 228.615	0.0330	-0.3635u	-0.3281u
Cr 267.716	0.1984	0.1465	-0.0080
Cu 324.754	2.7663	2.7303	2.7033
Fe 271.441	477.913	480.881	467.879
K 766.491	31166.1	30894.7	30406.4
Mg 279.078	124.740	116.164	119.657
Mn 257.610	4.3476	4.2267	4.1197
Mo 202.032	-0.4135u	0.4826	-0.5203u
Na 330.237	18463.8	18308.5	18211.4

Label	Replicates Concentration		
Ni 231.604	-0.1017u	-0.1323u	0.9534
Pb 220.353	-0.6763u	-0.7391u	0.7647
Sb 206.834	-1.9770u	-2.4920u	-5.2758u
Se 196.026	-9.0831u	-2.6299u	-0.0962u
Sn 189.925	-5.2943u	-0.4125u	-2.5774u
Sr 216.596	8.4764	8.5654	8.7270
Ti 334.941	0.2249	0.1679	0.1794
Tl 190.794	-2.0727u	-0.5496u	-0.6520u
V 292.401	0.6886	0.4755	0.7272
Zn 206.200	16.3415	13.5084	16.5879

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.1970	ppb	0.0395	20.0	8.3989
Al 308.215	29.8320	ppb	2.4579	8.2	455.139
As 188.980	-3.5349	ppb	2.6948	76.2	-3.3630
B 249.678	7.1817	ppb	0.3936	5.5	141.328
Ba 389.178	2.6052	ppb	0.1902	7.3	-2.3692
Be 313.042	0.0157	ppb	0.0074	47.4	-232.352
Ca 370.602	1901	ppb	26.77	1.4	3347
Cd 226.502	-0.0063	ppb	0.0870	1375.4	5.4854
Co 228.615	-0.2195	ppb	0.2194	100.0	7.3885
Cr 267.716	0.1123	ppb	0.1074	95.6	17.4358
Cu 324.754	2.7333	ppb	0.0316	1.2	450.222
Fe 271.441	475.558	ppb	6.8131	1.4	366.960
K 766.491	30822.4	ppb	384.964	1.2	873554
Mg 279.078	120.187	ppb	4.3125	3.6	207.809
Mn 257.610	4.2313	ppb	0.1140	2.7	555.906
Mo 202.032	-0.1504	ppb	0.5508	366.2	3.6432
Na 330.237	18327.9	ppb	127.311	0.7	661.327
Ni 231.604	0.2398	ppb	0.6182	257.8	-1.0173
Pb 220.353	-0.2169	ppb	0.8507	392.2	1.1949
Sb 206.834	-3.2483	ppb	1.7747	54.6	-1.3770
Se 196.026	-3.9364	ppb	4.6337	117.7	1.0973
Sn 189.925	-2.7614	ppb	2.4461	88.6	-2.7659
Sr 216.596	8.5896	ppb	0.1270	1.5	59.4851
Ti 334.941	0.1907	ppb	0.0301	15.8	50.5501
Tl 190.794	-1.0914	ppb	0.8514	78.0	-3.2122
V 292.401	0.6304	ppb	0.1356	21.5	3.4147
Zn 206.200	15.4793	ppb	1.7113	11.1	9.2449

680-104609-b-2-aPDS (Samp) **8/29/2014, 4:12:05 PM** **Rack 1, Tube 19**

Weight: 1 **Volume: 1** **Dilution: 1**

Label	Replicates Concentration		
Ag 328.068	52.8308	51.7524	52.0427
Al 308.215	2379.72	2357.67	2363.03
As 188.980	213.747	213.435	224.844
B 249.678	594.227	591.135	593.190
Ba 389.178	238.982	237.652	238.597
Be 313.042	58.5463	58.0419	58.1456
Ca 370.602	12370	12272	12310
Cd 226.502	56.1664	55.8721	56.2793
Co 228.615	225.445	224.537	222.673
Cr 267.716	228.545	226.765	226.803

Label	Replicates Concentration		
Cu 324.754	242.326	240.480	240.534
Fe 271.441	4819.93	4788.21	4773.85
K 766.491	150021x	148779x	149240x
Mg 279.078	2812.90	2790.60	2791.23
Mn 257.610	258.852	256.847	257.265
Mo 202.032	225.173	224.894	222.587
Na 330.237	109247x	108638x	108595x
Ni 231.604	225.098	221.663	222.789
Pb 220.353	219.305	215.791	218.904
Sb 206.834	207.631	210.241	212.848
Se 196.026	222.060	216.873	216.176
Sn 189.925	223.051	227.663	225.710
Sr 216.596	271.728	270.488	270.463
Ti 334.941	224.050	221.915	222.216
Tl 190.794	211.370	209.578	209.920
V 292.401	227.271	225.671	226.756
Zn 206.200	307.539	304.752	306.264

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	52.2086b	ppb	0.5580	1.1	2886.77
Al 308.215	2366.81b	ppb	11.4964	0.5	11819.6
As 188.980	217.342b	ppb	6.4986	3.0	75.6647
B 249.678	592.850b	ppb	1.5737	0.3	5547.20
Ba 389.178	238.410b	ppb	0.6845	0.3	3527.84
Be 313.042	58.2446b	ppb	0.2664	0.5	56841.9
Ca 370.602	12317b	ppb	49.08	0.4	21621
Cd 226.502	56.1059b	ppb	0.2102	0.4	1328.20
Co 228.615	224.218b	ppb	1.4133	0.6	1276.09
Cr 267.716	227.371b	ppb	1.0166	0.4	6689.90
Cu 324.754	241.113b	ppb	1.0505	0.4	10033.6
Fe 271.441	4793.99b	ppb	23.5801	0.5	3751.11
K 766.491	149347xb	ppb	627.526	0.4	4232048
Mg 279.078	2798.24b	ppb	12.6978	0.5	4563.85
Mn 257.610	257.655b	ppb	1.0579	0.4	31864.0
Mo 202.032	224.218b	ppb	1.4194	0.6	895.851
Na 330.237	108827xb	ppb	364.903	0.3	3834.36
Ni 231.604	223.184b	ppb	1.7513	0.8	409.922
Pb 220.353	218.000b	ppb	1.9237	0.9	196.237
Sb 206.834	210.240b	ppb	2.6083	1.2	184.078
Se 196.026	218.369b	ppb	3.2149	1.5	58.0577
Sn 189.925	225.475b	ppb	2.3151	1.0	97.1637
Sr 216.596	270.893b	ppb	0.7233	0.3	1811.88
Ti 334.941	222.727b	ppb	1.1554	0.5	42548.1
Tl 190.794	210.289b	ppb	0.9511	0.5	125.654
V 292.401	226.566b	ppb	0.8166	0.4	2985.99
Zn 206.200	306.185b	ppb	1.3953	0.5	183.755

680-104609-b-2-b ms (Samp) **8/29/2014, 4:16:21 PM** **Rack 1, Tube 20**

Weight: 1 **Volume: 1** **Dilution: 1**

Label	Replicates Concentration		
Ag 328.068	52.9060	52.6119	52.5213
Al 308.215	5187.47	5167.69	5199.40
As 188.980	99.2533	93.8669	101.630

Label	Replicates Concentration		
B 249.678	256.042	255.323	256.069
Ba 389.178	111.959	112.275	112.393
Be 313.042	52.6692	52.4391	52.7651
Ca 370.602	14723	14649	14759
Cd 226.502	49.5482	49.4638	49.6025
Co 228.615	50.9077	50.3130	51.1750
Cr 267.716	102.882	102.619	102.884
Cu 324.754	114.840	115.067	115.435
Fe 271.441	7462.90	7422.19	7477.55
K 766.491	146547x	146151x	146908x
Mg 279.078	5368.55	5344.04	5380.79
Mn 257.610	548.706	546.489	549.700
Mo 202.032	103.558	100.973	102.980
Na 330.237	107022x	106410x	106898x
Ni 231.604	100.508	99.0277	100.572
Pb 220.353	54.1816	52.7736	49.5615
Sb 206.834	52.6212	48.8909	46.8270
Se 196.026	105.880	92.7893	94.8439
Sn 189.925	200.323	198.800	203.639
Sr 216.596	143.545	142.943	144.152
Ti 334.941	102.186	101.730	102.436
Tl 190.794	40.8918	37.5341	31.8210
V 292.401	104.583	104.497	105.255
Zn 206.200	176.359	177.610	179.162

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	52.6797b	ppb	0.2012	0.4	2915.94
Al 308.215	5184.85b	ppb	16.0125	0.3	25478.1
As 188.980	98.2500b	ppb	3.9775	4.0	33.0602
B 249.678	255.811b	ppb	0.4228	0.2	2429.41
Ba 389.178	112.209b	ppb	0.2245	0.2	1644.05
Be 313.042	52.6245b	ppb	0.1676	0.3	51338.4
Ca 370.602	14710b	ppb	56.28	0.4	25763
Cd 226.502	49.5381b	ppb	0.0699	0.1	1184.23
Co 228.615	50.7986b	ppb	0.4413	0.9	295.864
Cr 267.716	102.795b	ppb	0.1524	0.1	3035.06
Cu 324.754	115.114b	ppb	0.3006	0.3	4969.28
Fe 271.441	7454.21b	ppb	28.6836	0.4	5815.73
K 766.491	146535xb	ppb	378.471	0.3	4152378
Mg 279.078	5364.46b	ppb	18.7134	0.3	8737.27
Mn 257.610	548.298b	ppb	1.6436	0.3	67764.3
Mo 202.032	102.504b	ppb	1.3568	1.3	411.713
Na 330.237	106777xb	ppb	323.249	0.3	3763.11
Ni 231.604	100.036b	ppb	0.8739	0.9	183.263
Pb 220.353	52.1722b	ppb	2.3680	4.5	48.2371
Sb 206.834	49.4463b	ppb	2.9368	5.9	44.3863
Se 196.026	97.8377b	ppb	7.0401	7.2	27.2544
Sn 189.925	200.921b	ppb	2.4744	1.2	86.4143
Sr 216.596	143.547b	ppb	0.6045	0.4	966.118
Ti 334.941	102.117b	ppb	0.3584	0.4	19518.2
Tl 190.794	36.7490b	ppb	4.5860	12.5	19.4874
V 292.401	104.778b	ppb	0.4151	0.4	1379.15
Zn 206.200	177.710b	ppb	1.4043	0.8	106.556

680-104609-b-2-c msd (Samp) **8/29/2014, 4:20:37 PM** **Rack 1, Tube 21**

Weight: 1 **Volume: 1** **Dilution: 1**

Label	Replicates Concentration		
Ag 328.068	53.7146	53.8681	53.6821
Al 308.215	5256.01	5270.12	5267.77
As 188.980	101.169	104.329	104.188
B 249.678	252.770	253.590	256.210
Ba 389.178	113.505	113.726	114.569
Be 313.042	53.3093	53.4791	53.3965
Ca 370.602	14578	14643	14666
Cd 226.502	50.0929	50.9037	50.8231
Co 228.615	51.2593	51.4874	51.3854
Cr 267.716	104.432	104.943	104.710
Cu 324.754	115.950	116.181	116.379
Fe 271.441	7471.08	7501.45	7476.47
K 766.491	144228x	144522x	144136x
Mg 279.078	5432.02	5439.36	5447.83
Mn 257.610	555.290	557.354	556.661
Mo 202.032	103.980	103.421	102.625
Na 330.237	105112x	105692x	106411x
Ni 231.604	101.602	102.057	102.600
Pb 220.353	51.9467	54.3280	50.7100
Sb 206.834	51.3014	45.8508	45.5151
Se 196.026	92.9338	101.417	98.5991
Sn 189.925	201.519	199.730	193.438
Sr 216.596	142.974	144.832	145.340
Ti 334.941	103.438	103.799	103.500
Tl 190.794	36.4844	38.1931	33.3753
V 292.401	105.313	106.167	106.440
Zn 206.200	175.696	182.456	180.819

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	53.7549b	ppb	0.0994	0.2	2975.09
Al 308.215	5264.63b	ppb	7.5625	0.1	25865.2
As 188.980	103.229b	ppb	1.7853	1.7	34.8426
B 249.678	254.190b	ppb	1.7968	0.7	2414.36
Ba 389.178	113.933b	ppb	0.5618	0.5	1669.92
Be 313.042	53.3950b	ppb	0.0849	0.2	52093.9
Ca 370.602	14629b	ppb	45.77	0.3	25621
Cd 226.502	50.6066b	ppb	0.4467	0.9	1209.29
Co 228.615	51.3773b	ppb	0.1143	0.2	299.144
Cr 267.716	104.695b	ppb	0.2559	0.2	3090.84
Cu 324.754	116.170b	ppb	0.2144	0.2	5011.74
Fe 271.441	7483.00b	ppb	16.2081	0.2	5838.25
K 766.491	144295xb	ppb	202.046	0.1	4088911
Mg 279.078	5439.74b	ppb	7.9096	0.1	8859.69
Mn 257.610	556.435b	ppb	1.0505	0.2	68769.3
Mo 202.032	103.342b	ppb	0.6813	0.7	415.045
Na 330.237	105738xb	ppb	650.614	0.6	3726.63
Ni 231.604	102.086b	ppb	0.4999	0.5	187.044
Pb 220.353	52.3282b	ppb	1.8390	3.5	48.3782
Sb 206.834	47.5558b	ppb	3.2482	6.8	42.7447
Se 196.026	97.6499b	ppb	4.3204	4.4	27.2077
Sn 189.925	198.229b	ppb	4.2446	2.1	85.2359
Sr 216.596	144.382b	ppb	1.2452	0.9	971.693

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ti 334.941	103.579b	ppb	0.1928	0.2	19797.5
Tl 190.794	36.0176b	ppb	2.4426	6.8	19.0410
V 292.401	105.973b	ppb	0.5879	0.6	1394.94
Zn 206.200	179.657b	ppb	3.5267	2.0	107.723

680-104609-b-3-a (Samp) **8/29/2014, 4:24:54 PM** **Rack 1, Tube 22**

Weight: 1 **Volume: 1** **Dilution: 1**

Label	Replicates Concentration		
Ag 328.068	-0.3589u	-0.3259u	-0.2323u
Al 308.215	4.9485	5.4707	3.6056
As 188.980	3.2168	-3.9215u	-5.6500u
B 249.678	18.5460	17.0987	15.9790
Ba 389.178	15.7113	16.6733	15.8007
Be 313.042	-0.0020	0.0037	0.0072
Ca 370.602	28484	28533	26884
Cd 226.502	-0.2033u	-0.2460u	-0.1361u
Co 228.615	-1.5606u	-0.5181u	-1.1481u
Cr 267.716	0.1876	0.3203	0.1486
Cu 324.754	15.2452	15.2891	14.3113
Fe 271.441	24.8233	19.9413	24.4658
K 766.491	1544.61	1546.35	1478.11
Mg 279.078	4189.12	4201.12	3954.31
Mn 257.610	0.3754	0.3578	0.3551
Mo 202.032	2.2057	2.7286	1.3962
Na 330.237	8202.72	8160.35	7904.64
Ni 231.604	-0.5795u	-0.7491u	-0.2236u
Pb 220.353	1.3253	0.9155	-0.2499u
Sb 206.834	-5.7749u	1.7502	-0.1867u
Se 196.026	-11.6770u	-6.9017u	-0.5146u
Sn 189.925	-3.0298u	-0.9396u	-6.0161u
Sr 216.596	265.308	265.161	251.314
Ti 334.941	-0.0240u	-0.0616u	0.0708
Tl 190.794	0.2738	-7.0833u	-2.5371u
V 292.401	0.0067u	0.4390	0.4480
Zn 206.200	22.0099	20.4669	21.5336

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.3057	ppb	0.0657	21.5	-3.1113
Al 308.215	4.6749	ppb	0.9622	20.6	332.647
As 188.980	-2.1183	ppb	4.7004	221.9	-2.8548
B 249.678	17.2079	ppb	1.2870	7.5	234.493
Ba 389.178	16.0618	ppb	0.5315	3.3	202.353
Be 313.042	0.0030	ppb	0.0046	155.3	-238.857
Ca 370.602	27967	ppb	938.3	3.4	48997
Cd 226.502	-0.1951	ppb	0.0554	28.4	-0.4205
Co 228.615	-1.0756	ppb	0.5250	48.8	2.4891
Cr 267.716	0.2189	ppb	0.0900	41.1	20.3334
Cu 324.754	14.9485	ppb	0.5523	3.7	941.030
Fe 271.441	23.0768	ppb	2.7213	11.8	13.8524
K 766.491	1523.02	ppb	38.9046	2.6	43330.9
Mg 279.078	4114.85	ppb	139.163	3.4	6710.92
Mn 257.610	0.3628	ppb	0.0110	3.0	95.0494
Mo 202.032	2.1102	ppb	0.6713	31.8	12.6479

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Na 330.237	8089.24	ppb	161.263	2.0	302.011
Ni 231.604	-0.5174	ppb	0.2682	51.8	-2.4353
Pb 220.353	0.6637	ppb	0.8173	123.1	1.9628
Sb 206.834	-1.4038	ppb	3.9074	278.3	0.1974
Se 196.026	-6.3644	ppb	5.6006	88.0	0.4730
Sn 189.925	-3.3285	ppb	2.5514	76.7	-3.0159
Sr 216.596	260.594	ppb	8.0372	3.1	1748.07
Ti 334.941	-0.0049	ppb	0.0682	1387.1	18.2550
Tl 190.794	-3.1155	ppb	3.7125	119.2	-4.4200
V 292.401	0.2979	ppb	0.2522	84.7	-1.2240
Zn 206.200	21.3368	ppb	0.7901	3.7	12.7827

680-104628-a-1-a (Samp) **8/29/2014, 4:29:11 PM** **Rack 1, Tube 23**

Weight: 1 **Volume: 1** **Dilution: 1**

Label	Replicates Concentration		
Ag 328.068	0.0578u	-0.0088u	0.0818u
Al 308.215	9517.54	9520.33	9513.29
As 188.980	-0.3614u	4.4586	8.4568
B 249.678	3160.61	3186.88	3200.52
Ba 389.178	17.0559	18.0746	17.3450
Be 313.042	0.0147u	0.0066u	0.0121u
Ca 370.602	60327	60186	59990
Cd 226.502	0.8551	0.9466	0.8716
Co 228.615	0.0134u	0.4953	-1.1275u
Cr 267.716	18.5272	18.3939	18.5424
Cu 324.754	7.1758	7.8386	7.2994
Fe 271.441	57.6015	47.8155	55.8251
K 766.491	8370.90	8406.25	8378.54
Mg 279.078	5732.20	5738.57	5715.80
Mn 257.610	47.8240	47.7430	47.6686
Mo 202.032	10.3485	8.3526	8.8012
Na 330.237	744752x	741799x	746836x
Ni 231.604	4.6510	5.7499	5.3382
Pb 220.353	-2.6660u	2.4490	1.6167
Sb 206.834	2.7667	0.7183	1.9089
Se 196.026	9.9116	12.8362	11.6485
Sn 189.925	-4.9610u	-1.4605u	-5.0990u
Sr 216.596	2341.12	2338.36	2338.25
Ti 334.941	-0.2023u	-0.1669u	-0.1159u
Tl 190.794	-3.1588u	-5.4302u	-5.3572u
V 292.401	1.4292	1.4825	0.8542
Zn 206.200	56.3805	60.6546	61.2721

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	0.0436b	ppb	0.0469	107.8	-29.2409
Al 308.215	9517.05b	ppb	3.5447	0.0	46470.0
As 188.980	4.1847b	ppb	4.4155	105.5	-0.5461
B 249.678	3182.67b	ppb	20.2828	0.6	29472.3
Ba 389.178	17.4918b	ppb	0.5250	3.0	225.262
Be 313.042	0.0111b	ppb	0.0042	37.5	-265.938
Ca 370.602	60168b	ppb	169.0	0.3	105388
Cd 226.502	0.8911b	ppb	0.0488	5.5	22.6277
Co 228.615	-0.2063b	ppb	0.8334	404.1	7.3296

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Cr 267.716	18.4878b	ppb	0.0817	0.4	564.172
Cu 324.754	7.4380b	ppb	0.3524	4.7	639.377
Fe 271.441	53.7474b	ppb	5.2134	9.7	37.8488
K 766.491	8385.23b	ppb	18.6026	0.2	237778
Mg 279.078	5728.86b	ppb	11.7452	0.2	9335.68
Mn 257.610	47.7452b	ppb	0.0777	0.2	5950.46
Mo 202.032	9.1674b	ppb	1.0471	11.4	40.7183
Na 330.237	744462xb	ppb	2530.66	0.3	26146.9
Ni 231.604	5.2464b	ppb	0.5552	10.6	8.1942
Pb 220.353	0.4666b	ppb	2.7446	588.3	1.7205
Sb 206.834	1.7980b	ppb	1.0287	57.2	3.0404
Se 196.026	11.4655b	ppb	1.4708	12.8	5.0432
Sn 189.925	-3.8402b	ppb	2.0620	53.7	-3.1131
Sr 216.596	2339.24b	ppb	1.6269	0.1	15640.3
Ti 334.941	-0.1617b	ppb	0.0434	26.8	-45.5353
Tl 190.794	-4.6487b	ppb	1.2908	27.8	-5.3555
V 292.401	1.2553b	ppb	0.3484	27.8	7.8996
Zn 206.200	59.4358b	ppb	2.6639	4.5	35.6867

680-104628-a-2-a (Samp) **8/29/2014, 4:33:28 PM** **Rack 1, Tube 24**

Weight: 1 **Volume: 1** **Dilution: 1**

Label	Replicates Concentration		
Ag 328.068	-0.1074u	0.2908u	-0.0833u
Al 308.215	10729.7	10646.7	10727.8
As 188.980	-7.7906u	-3.6405u	-3.0265u
B 249.678	3609.28	3589.86	3625.27
Ba 389.178	18.3155	18.2869	19.0105
Be 313.042	0.0138u	0.0226u	0.0101u
Ca 370.602	67168	66714	67420
Cd 226.502	0.9379	1.0722	0.9157
Co 228.615	0.1053	-0.7140u	0.0102u
Cr 267.716	20.4262	20.3131	20.6801
Cu 324.754	2.9756	3.2344	3.4763
Fe 271.441	51.9595	62.5768	54.9393
K 766.491	9555.01	9502.55	9555.16
Mg 279.078	6370.81	6312.30	6369.25
Mn 257.610	53.1781	52.5685	52.9832
Mo 202.032	9.8547	9.7847	10.4288
Na 330.237	846301x	839374x	845815x
Ni 231.604	5.1440	4.4650	5.8886
Pb 220.353	1.7024	-4.9040u	-1.4462u
Sb 206.834	2.9751	4.0629	6.5998
Se 196.026	-0.9812u	22.4654	15.7443
Sn 189.925	-2.4179u	-1.3430u	-4.7678u
Sr 216.596	2611.25	2586.84	2612.22
Ti 334.941	-0.1540u	-0.1807u	-0.0832u
Tl 190.794	-6.3395u	-3.1122u	-9.3786u
V 292.401	1.3786	1.2992	1.7117
Zn 206.200	59.5523	57.8789	59.7322

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	0.0334b	ppb	0.2233	669.4	-35.4030
Al 308.215	10701.4b	ppb	47.4101	0.4	52214.5

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
As 188.980	-4.8192b	ppb	2.5916	53.8	-3.7626
B 249.678	3608.14b	ppb	17.7316	0.5	33402.1
Ba 389.178	18.5376b	ppb	0.4098	2.2	241.480
Be 313.042	0.0155b	ppb	0.0064	41.2	-265.998
Ca 370.602	67101b	ppb	357.6	0.5	117529
Cd 226.502	0.9753b	ppb	0.0847	8.7	24.2924
Co 228.615	-0.1995b	ppb	0.4481	224.6	7.3575
Cr 267.716	20.4731b	ppb	0.1879	0.9	623.477
Cu 324.754	3.2288b	ppb	0.2504	7.8	470.254
Fe 271.441	56.4919b	ppb	5.4762	9.7	40.0104
K 766.491	9537.58b	ppb	30.3304	0.3	270430
Mg 279.078	6350.78b	ppb	33.3407	0.5	10347.8
Mn 257.610	52.9100b	ppb	0.3113	0.6	6590.62
Mo 202.032	10.0227b	ppb	0.3534	3.5	44.1204
Na 330.237	843830xb	ppb	3867.00	0.5	29634.5
Ni 231.604	5.1659b	ppb	0.7120	13.8	8.0459
Pb 220.353	-1.5493b	ppb	3.3044	213.3	-0.0895
Sb 206.834	4.5459b	ppb	1.8600	40.9	5.4408
Se 196.026	12.4095b	ppb	12.0738	97.3	5.2856
Sn 189.925	-2.8429b	ppb	1.7515	61.6	-2.6593
Sr 216.596	2603.43b	ppb	14.3825	0.6	17406.5
Ti 334.941	-0.1393b	ppb	0.0504	36.2	-45.4063
Tl 190.794	-6.2768b	ppb	3.1336	49.9	-6.3489
V 292.401	1.4632b	ppb	0.2189	15.0	10.1928
Zn 206.200	59.0544b	ppb	1.0220	1.7	35.4536

Cont Calib Verif (CCV) **8/29/2014, 4:37:44 PM** **Rack 1, Tube 25**

Weight: 1 **Volume: 1** **Dilution: 1**

Label	Replicates Concentration		
Ag 328.068	513.253	508.891	509.427
Al 308.215	4948.07	4925.39	4923.72
As 188.980	496.283	483.913	480.199
B 249.678	569.257	561.882	556.172
Ba 389.178	5049.81	5032.31	5031.79
Be 313.042	519.442	517.364	517.083
Ca 370.602	5069	5036	5030
Cd 226.502	499.665	497.690	498.176
Co 228.615	505.612	507.133	504.619
Cr 267.716	5048.50	5024.36	5025.70
Cu 324.754	5046.14	5034.29	4983.08
Fe 271.441	5063.94	5057.71	5045.88
K 766.491	10195.9	10144.2	10131.5
Mg 279.078	5007.83	4975.06	4969.72
Mn 257.610	5144.80	5129.57	5090.42
Mo 202.032	505.529	507.120	504.283
Na 330.237	7799.72	7722.90	7690.87
Ni 231.604	2539.37	2528.22	2523.46
Pb 220.353	499.819	496.927	493.096
Sb 206.834	983.025	978.178	983.643
Se 196.026	4941.96	4924.16	4927.82
Sn 189.925	5061.70	4995.35	5013.17
Sr 216.596	2521.46	2508.37	2506.05
Ti 334.941	498.112	496.231	496.258

Label	Replicates Concentration		
Tl 190.794	5068.44	5050.64	5072.30
V 292.401	5117.98	5097.29	5088.88
Zn 206.200	2497.98	2489.58	2497.12

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Ag 328.068	510.523	ppb	2.3787	0.5	28079.0	102.10467
Al 308.215	4932.39	ppb	13.6012	0.3	24622.4	98.64783
As 188.980	486.798	ppb	8.4213	1.7	172.089	97.35963
B 249.678	562.437	ppb	6.5599	1.2	5272.19	112.48739Q
Ba 389.178	5037.97	ppb	10.2611	0.2	75286.9	100.75941
Be 313.042	517.963	ppb	1.2884	0.2	507710	103.59258
Ca 370.602	5045	ppb	21.11	0.4	9059	100.89449
Cd 226.502	498.510	ppb	1.0287	0.2	11642.7	99.70207
Co 228.615	505.788	ppb	1.2666	0.3	2871.03	101.15760
Cr 267.716	5032.85	ppb	13.5673	0.3	147735	100.65709
Cu 324.754	5021.17	ppb	33.5153	0.7	202085	100.42347
Fe 271.441	5055.84	ppb	9.1701	0.2	3996.53	101.11688
K 766.491	10157.2	ppb	34.0997	0.3	287988	101.57204
Mg 279.078	4984.21	ppb	20.6358	0.4	8061.93	99.68411
Mn 257.610	5121.60	ppb	28.0526	0.5	632406	102.43193
Mo 202.032	505.644	ppb	1.4217	0.3	2012.18	101.12880
Na 330.237	7737.83	ppb	55.9403	0.7	269.405	103.17107
Ni 231.604	2530.35	ppb	8.1681	0.3	4663.29	101.21394
Pb 220.353	496.614	ppb	3.3721	0.7	447.685	99.32278
Sb 206.834	981.615	ppb	2.9925	0.3	888.049	98.16154
Se 196.026	4931.32	ppb	9.3990	0.2	1265.10	98.62634
Sn 189.925	5023.41	ppb	34.3376	0.7	2197.52	100.46815
Sr 216.596	2511.96	ppb	8.3081	0.3	16744.2	100.47842
Ti 334.941	496.867	ppb	1.0780	0.2	94909.0	99.37340
Tl 190.794	5063.79	ppb	11.5497	0.2	3092.41	101.27584
V 292.401	5101.38	ppb	14.9782	0.3	67666.6	102.02769
Zn 206.200	2494.89	ppb	4.6210	0.2	1493.18	99.79568

Cont Calib Blank (CCB) **8/29/2014, 4:41:58 PM** **Rack 1, Tube 26**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Replicates Concentration		
Ag 328.068	0.2630	-0.1855u	0.0049
Al 308.215	2.1366	1.1826	2.1567
As 188.980	-4.6707u	-2.1086u	1.0053
B 249.678	27.0424	24.1678	22.0131
Ba 389.178	2.2791	1.5601	1.2870
Be 313.042	0.1840	0.1220	0.0866
Ca 370.602	5.006	0.7704	2.894
Cd 226.502	0.1418	0.1108	0.0014
Co 228.615	-0.7548u	0.0836	-0.4944u
Cr 267.716	2.1325	1.5122	1.0392
Cu 324.754	1.6840	0.8426	0.6351
Fe 271.441	6.4621	-5.0182u	-0.9381u
K 766.491	3.5766	2.8812	2.6774
Mg 279.078	-2.6939u	0.1534	-2.4753u
Mn 257.610	1.9685	1.3068	0.9647
Mo 202.032	-0.3293u	-0.8153u	0.3712
Na 330.237	-170.605u	66.1581	-48.8457u

Label	Replicates Concentration		
Ni 231.604	1.2229	1.4731	-0.4278u
Pb 220.353	0.3070	-2.6528u	0.0494
Sb 206.834	-3.9396u	-0.4708u	1.5586
Se 196.026	6.5093	-3.6455u	3.7587
Sn 189.925	-3.9109u	-4.7159u	-1.5016u
Sr 216.596	1.0317	-0.1974u	0.1804
Ti 334.941	0.1081	0.0150	-0.0253u
Tl 190.794	6.1833	2.1933	0.7437
V 292.401	1.9939	1.5006	1.1641
Zn 206.200	1.1073	0.5110	0.4572

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Ag 328.068	0.0274	ppb	0.2251	820.4	20.9783	0.02744
Al 308.215	1.8253	ppb	0.5567	30.5	318.775	1.82531
As 188.980	-1.9247	ppb	2.8425	147.7	-2.7851	-1.92466
B 249.678	24.4078	ppb	2.5232	10.3	301.029	24.40777
Ba 389.178	1.7088	ppb	0.5125	30.0	-16.0572	1.70875
Be 313.042	0.1309	ppb	0.0493	37.7	-117.873	0.13087
Ca 370.602	2.890	ppb	2.118	73.3	26.14	2.89010
Cd 226.502	0.0847	ppb	0.0737	87.1	6.0091	0.08465
Co 228.615	-0.3885	ppb	0.4291	110.4	6.4059	-0.38855
Cr 267.716	1.5613	ppb	0.5483	35.1	59.6467	1.56130
Cu 324.754	1.0539	ppb	0.5555	52.7	382.614	1.05391
Fe 271.441	0.1686	ppb	5.8196	3452.0	-3.9604	0.16859
K 766.491	3.0451	ppb	0.4714	15.5	260.999	3.04509
Mg 279.078	-1.6719	ppb	1.5846	94.8	9.4715	-1.67192
Mn 257.610	1.4133	ppb	0.5103	36.1	206.678	1.41333
Mo 202.032	-0.2578	ppb	0.5965	231.4	3.2287	-0.25779
Na 330.237	-51.0975	ppb	118.398	231.7	16.4647	-51.09750
Ni 231.604	0.7561	ppb	1.0329	136.6	-0.0901	0.75607
Pb 220.353	-0.7654	ppb	1.6395	214.2	0.6869	-0.76543
Sb 206.834	-0.9506	ppb	2.7803	292.5	0.6259	-0.95059
Se 196.026	2.2075	ppb	5.2521	237.9	2.6672	2.20751
Sn 189.925	-3.3761	ppb	1.6725	49.5	-3.0381	-3.37613
Sr 216.596	0.3382	ppb	0.6296	186.1	3.6391	0.33824
Ti 334.941	0.0326	ppb	0.0684	209.8	21.0817	0.03260
Tl 190.794	3.0401	ppb	2.8170	92.7	-0.6553	3.04010
V 292.401	1.5528	ppb	0.4174	26.9	15.6217	1.55284
Zn 206.200	0.6918	ppb	0.3608	52.2	0.3525	0.69182

680-104628-a-3-a (Samp) **8/29/2014, 4:46:13 PM** **Rack 1, Tube 27**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Replicates Concentration		
Ag 328.068	-0.2030u	-0.2340u	0.0182u
Al 308.215	8449.20	8460.34	8434.19
As 188.980	0.4064	0.9742	-1.3691u
B 249.678	2829.76	2850.98	2853.45
Ba 389.178	14.0884	14.7370	15.0873
Be 313.042	0.0203u	0.0105u	0.0105u
Ca 370.602	53906	54012	53696
Cd 226.502	0.5219	0.8361	0.7371
Co 228.615	-0.1690u	-0.1963u	-0.9354u
Cr 267.716	16.5810	16.4256	16.4723

Label	Replicates Concentration		
Cu 324.754	11.3061	11.0098	11.5026
Fe 271.441	41.9209	53.5498	37.0496
K 766.491	7289.47	7303.31	7257.07
Mg 279.078	5128.05	5126.81	5119.85
Mn 257.610	42.4424	42.6479	42.4963
Mo 202.032	6.9657	7.5503	7.4735
Na 330.237	655536x	653393x	653807x
Ni 231.604	4.8057	5.6848	4.2922
Pb 220.353	1.2820	-1.5312u	-2.0614u
Sb 206.834	1.9695	2.9414	0.7836
Se 196.026	6.5203	4.6523	9.8772
Sn 189.925	-1.1953u	-6.3101u	-4.6719u
Sr 216.596	2089.04	2093.13	2086.91
Ti 334.941	-0.1820u	-0.1662u	-0.1171u
Tl 190.794	-3.0878u	-2.0625u	-4.5058u
V 292.401	1.0573	1.2936	1.1552
Zn 206.200	56.0217	56.8624	55.2775

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.1396b	ppb	0.1375	98.5	-33.6108
Al 308.215	8447.91b	ppb	13.1225	0.2	41284.3
As 188.980	0.0039b	ppb	1.2224	31701.4	-2.0484
B 249.678	2844.73b	ppb	13.0216	0.5	26351.0
Ba 389.178	14.6376b	ppb	0.5068	3.5	182.023
Be 313.042	0.0138b	ppb	0.0056	40.8	-259.480
Ca 370.602	53871b	ppb	161.0	0.3	94361
Cd 226.502	0.6984b	ppb	0.1606	23.0	18.3911
Co 228.615	-0.4336b	ppb	0.4348	100.3	6.0670
Cr 267.716	16.4930b	ppb	0.0797	0.5	504.699
Cu 324.754	11.2728b	ppb	0.2481	2.2	793.437
Fe 271.441	44.1734b	ppb	8.4776	19.2	30.3746
K 766.491	7283.28b	ppb	23.7343	0.3	206553
Mg 279.078	5124.90b	ppb	4.4213	0.1	8352.79
Mn 257.610	42.5289b	ppb	0.1066	0.3	5303.98
Mo 202.032	7.3298b	ppb	0.3177	4.3	33.4092
Na 330.237	654245xb	ppb	1136.86	0.2	22980.5
Ni 231.604	4.9276b	ppb	0.7043	14.3	7.6058
Pb 220.353	-0.7702b	ppb	1.7969	233.3	0.6233
Sb 206.834	1.8982b	ppb	1.0806	56.9	3.1336
Se 196.026	7.0166b	ppb	2.6475	37.7	3.9037
Sn 189.925	-4.0591b	ppb	2.6119	64.3	-3.2243
Sr 216.596	2089.69b	ppb	3.1619	0.2	13971.9
Ti 334.941	-0.1551b	ppb	0.0339	21.8	-40.6452
Tl 190.794	-3.2187b	ppb	1.2269	38.1	-4.4805
V 292.401	1.1687b	ppb	0.1187	10.2	7.2603
Zn 206.200	56.0539b	ppb	0.7930	1.4	33.6545

mb 680-346321/1-a (Samp) **8/29/2014, 4:50:28 PM** **Rack 1, Tube 28**

Weight: 1 **Volume: 1** **Dilution: 1**

Label	Replicates Concentration		
Ag 328.068	-0.2526u	-0.1079u	-0.2535u
Al 308.215	2.4134	1.8192	2.9183
As 188.980	-1.0748u	-7.2019u	-4.5905u

Label	Replicates Concentration		
B 249.678	50.5335	45.4705	38.7908
Ba 389.178	-0.4941u	-0.0896u	-0.6681u
Be 313.042	0.0056	0.0087	0.0159
Ca 370.602	11.83	8.754	9.556
Cd 226.502	-0.0778u	0.0119	-0.0049u
Co 228.615	-0.1976u	-0.3536u	0.1351
Cr 267.716	0.1543	0.1456	0.1660
Cu 324.754	-0.1338u	-0.1656u	-0.1926u
Fe 271.441	3.5858	-7.0727u	1.1994
K 766.491	4.3815	4.3848	4.1616
Mg 279.078	0.3858	-0.1534u	-0.7035u
Mn 257.610	0.0728	0.1049	0.0076
Mo 202.032	-0.4945u	-0.0360u	-1.1892u
Na 330.237	-53.0916u	175.125	81.2284
Ni 231.604	0.6865	-0.4862u	0.6349
Pb 220.353	1.0853	0.6081	0.0765
Sb 206.834	2.8638	-2.0482u	-1.4504u
Se 196.026	-0.2016u	1.7872	-4.2045u
Sn 189.925	-3.6135u	-4.3355u	-0.0837u
Sr 216.596	0.2374	0.0879	0.1711
Ti 334.941	-0.0511u	-0.0861u	-0.0958u
Tl 190.794	0.4312	-5.3928u	-0.0603u
V 292.401	-0.0758u	0.3550	0.0002
Zn 206.200	-0.7075u	2.6985	-0.8592u

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.2047	ppb	0.0838	41.0	8.2084
Al 308.215	2.3836	ppb	0.5502	23.1	321.371
As 188.980	-4.2891	ppb	3.0746	71.7	-3.6314
B 249.678	44.9316	ppb	5.8899	13.1	490.588
Ba 389.178	-0.4172	ppb	0.2968	71.1	-47.8417
Be 313.042	0.0101	ppb	0.0053	52.5	-236.322
Ca 370.602	10.05	ppb	1.595	15.9	38.57
Cd 226.502	-0.0236	ppb	0.0477	202.1	3.5064
Co 228.615	-0.1387	ppb	0.2496	179.9	7.8207
Cr 267.716	0.1553	ppb	0.0103	6.6	18.3818
Cu 324.754	-0.1640	ppb	0.0294	17.9	333.678
Fe 271.441	-0.7625	ppb	5.5936	733.6	-4.6964
K 766.491	4.3093	ppb	0.1279	3.0	296.821
Mg 279.078	-0.1570	ppb	0.5447	346.8	11.9543
Mn 257.610	0.0618	ppb	0.0496	80.2	39.8068
Mo 202.032	-0.5732	ppb	0.5806	101.3	1.9748
Na 330.237	67.7539	ppb	114.703	169.3	20.6255
Ni 231.604	0.2784	ppb	0.6627	238.0	-0.9704
Pb 220.353	0.5900	ppb	0.5047	85.5	1.8981
Sb 206.834	-0.2116	ppb	2.6801	1266.6	1.2648
Se 196.026	-0.8730	ppb	3.0518	349.6	1.8786
Sn 189.925	-2.6776	ppb	2.2752	85.0	-2.7323
Sr 216.596	0.1655	ppb	0.0749	45.3	2.5066
Ti 334.941	-0.0777	ppb	0.0235	30.3	0.0153
Tl 190.794	-1.6740	ppb	3.2299	193.0	-3.5328
V 292.401	0.0931	ppb	0.2300	247.0	-3.7245
Zn 206.200	0.3773	ppb	2.0117	533.2	0.1653

lcs 680-346321/2-a (Samp) **8/29/2014, 4:54:43 PM** **Rack 1, Tube 29**

Weight: 1 **Volume: 1** **Dilution: 1**

Label	Replicates Concentration		
Ag 328.068	108.277	107.686	108.540
Al 308.215	10275.4	10209.7	10252.6
As 188.980	201.899	218.318	207.205
B 249.678	460.336	459.104	461.638
Ba 389.178	209.542	207.695	209.379
Be 313.042	106.999	106.283	106.910
Ca 370.602	10606	10576	10663
Cd 226.502	103.237	102.696	103.461
Co 228.615	105.371	103.096	103.251
Cr 267.716	211.265	209.983	211.458
Cu 324.754	211.698	207.609	209.235
Fe 271.441	10195.8	10116.4	10163.0
K 766.491	11528.7	11417.8	11454.0
Mg 279.078	9969.38	9908.29	9958.76
Mn 257.610	1073.73	1067.83	1074.19
Mo 202.032	209.849	209.505	209.587
Na 330.237	118758x	117919x	118284x
Ni 231.604	203.681	205.613	203.895
Pb 220.353	102.776	107.270	106.512
Sb 206.834	100.479	96.2094	99.4625
Se 196.026	205.663	193.480	202.128
Sn 189.925	415.307	403.935	405.152
Sr 216.596	207.480	205.842	207.255
Ti 334.941	207.724	206.120	206.933
Tl 190.794	78.4862	80.7195	73.3587
V 292.401	210.793	209.378	211.099
Zn 206.200	214.446	211.028	212.291

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	108.168b	ppb	0.4375	0.4	5969.14
Al 308.215	10245.9b	ppb	33.3647	0.3	50040.1
As 188.980	209.141b	ppb	8.3789	4.0	72.7568
B 249.678	460.359b	ppb	1.2667	0.3	4315.38
Ba 389.178	208.872b	ppb	1.0224	0.5	3094.85
Be 313.042	106.730b	ppb	0.3900	0.4	104385
Ca 370.602	10615b	ppb	44.28	0.4	18608
Cd 226.502	103.131b	ppb	0.3935	0.4	2442.95
Co 228.615	103.906b	ppb	1.2713	1.2	595.902
Cr 267.716	210.902b	ppb	0.8018	0.4	6209.94
Cu 324.754	209.514b	ppb	2.0589	1.0	8764.86
Fe 271.441	10158.4b	ppb	39.9034	0.4	7929.42
K 766.491	11466.8b	ppb	56.5346	0.5	325098
Mg 279.078	9945.48b	ppb	32.6366	0.3	16187.3
Mn 257.610	1071.91b	ppb	3.5485	0.3	132438
Mo 202.032	209.647b	ppb	0.1798	0.1	837.754
Na 330.237	118320xb	ppb	420.457	0.4	4167.38
Ni 231.604	204.397b	ppb	1.0593	0.5	375.737
Pb 220.353	105.519b	ppb	2.4055	2.3	95.9698
Sb 206.834	98.7169b	ppb	2.2302	2.3	87.0753
Se 196.026	200.424b	ppb	6.2675	3.1	53.5951
Sn 189.925	408.132b	ppb	6.2438	1.5	177.126
Sr 216.596	206.859b	ppb	0.8882	0.4	1387.69

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ti 334.941	206.926b	ppb	0.8020	0.4	39538.9
Tl 190.794	77.5215b	ppb	3.7741	4.9	44.2876
V 292.401	210.423b	ppb	0.9180	0.4	2773.83
Zn 206.200	212.588b	ppb	1.7283	0.8	127.298

lb 680-346043/1-b (Samp) **8/29/2014, 4:58:59 PM** **Rack 1, Tube 30**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Replicates Concentration		
Ag 328.068	-0.0890u	-0.1466u	-0.2539u
Al 308.215	9.0022	7.0483	7.8682
As 188.980	-9.7490u	-7.6897u	-8.5026u
B 249.678	52.4482	51.2308	50.8478
Ba 389.178	3.7827	3.8073	2.9245
Be 313.042	0.0059	0.0165	0.0091
Ca 370.602	365.3	362.3	363.4
Cd 226.502	-0.0593u	-0.0739u	-0.0164u
Co 228.615	0.7667	0.4656	-0.3352u
Cr 267.716	1.1330	1.0278	1.1105
Cu 324.754	0.7295	0.9185	0.4880
Fe 271.441	2.3560	1.5332	11.4544
K 766.491	65.0554	65.4478	65.6453
Mg 279.078	60.2210	59.0038	56.7394
Mn 257.610	0.3315	0.2485	0.2813
Mo 202.032	-0.2357u	-0.2949u	-0.0773u
Na 330.237	96034.2x	96598.1x	97225.1x
Ni 231.604	0.6508	-0.9226u	-0.5660u
Pb 220.353	1.4381	-0.1990u	4.6532
Sb 206.834	-3.8945u	-2.6588u	4.2920
Se 196.026	9.3855	-8.0214u	-13.8789u
Sn 189.925	-1.0967u	-2.5581u	-3.6869u
Sr 216.596	0.6985	1.0148	0.3065
Ti 334.941	-0.1319u	-0.1122u	-0.0727u
Tl 190.794	-6.6318u	-2.5267u	-1.2964u
V 292.401	0.4945	-0.1363u	0.1721
Zn 206.200	7.4139	4.2942	3.4787

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.1632b	ppb	0.0837	51.3	10.4767
Al 308.215	7.9729b	ppb	0.9811	12.3	348.501
As 188.980	-8.6471b	ppb	1.0372	12.0	-5.1914
B 249.678	51.5089b	ppb	0.8357	1.6	551.342
Ba 389.178	3.5048b	ppb	0.5028	14.3	10.8469
Be 313.042	0.0105b	ppb	0.0054	51.8	-241.258
Ca 370.602	363.6b	ppb	1.522	0.4	657.8
Cd 226.502	-0.0499b	ppb	0.0299	59.9	2.5802
Co 228.615	0.2990b	ppb	0.5695	190.5	10.2904
Cr 267.716	1.0904b	ppb	0.0554	5.1	46.8031
Cu 324.754	0.7120b	ppb	0.2158	30.3	368.888
Fe 271.441	5.1146b	ppb	5.5059	107.7	-0.0954
K 766.491	65.3828b	ppb	0.3003	0.5	2027.39
Mg 279.078	58.6547b	ppb	1.7669	3.0	107.692
Mn 257.610	0.2871b	ppb	0.0418	14.6	67.6309
Mo 202.032	-0.2026b	ppb	0.1125	55.5	3.4489

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Na 330.237	96619.1xb	ppb	595.751	0.6	3409.36
Ni 231.604	-0.2793b	ppb	0.8250	295.4	-1.9990
Pb 220.353	1.9641b	ppb	2.4685	125.7	3.1263
Sb 206.834	-0.7537b	ppb	4.4132	585.5	0.7944
Se 196.026	-4.1716b	ppb	12.1005	290.1	1.0342
Sn 189.925	-2.4472b	ppb	1.2987	53.1	-2.6148
Sr 216.596	0.6733b	ppb	0.3548	52.7	5.9701
Ti 334.941	-0.1056b	ppb	0.0301	28.6	-9.9776
Tl 190.794	-3.4850b	ppb	2.7938	80.2	-4.6379
V 292.401	0.1768b	ppb	0.3154	178.4	-3.0122
Zn 206.200	5.0623b	ppb	2.0769	41.0	2.9841

680-104578-a-1-b (Samp) **8/29/2014, 5:03:14 PM** **Rack 1, Tube 31**

Weight: 1 **Volume: 1** **Dilution: 1**

Label	Replicates Concentration		
Ag 328.068	0.1555	-0.0737u	-0.1596u
Al 308.215	5.4290	6.6981	6.7875
As 188.980	-0.1911u	-3.5704u	-3.7434u
B 249.678	150.196	153.380	152.488
Ba 389.178	201.871	202.731	203.272
Be 313.042	-0.0193u	-0.0275u	-0.0146u
Ca 370.602	84547	84693	84433
Cd 226.502	0.1063	0.0209	-0.1104u
Co 228.615	-0.5971u	-1.7415u	-0.6023u
Cr 267.716	0.9413	0.8162	0.7871
Cu 324.754	0.4459	0.3926	0.0568
Fe 271.441	16.1281	8.3617	18.0622
K 766.491	41252.1x	41488.1x	41401.7x
Mg 279.078	7187.53	7218.48	7200.13
Mn 257.610	258.372	258.988	259.152
Mo 202.032	1.3255	1.9034	1.5503
Na 330.237	104731x	105136x	106289x
Ni 231.604	0.7613	0.6168	0.4423
Pb 220.353	0.6644	-0.0449u	0.7188
Sb 206.834	1.1328	-1.0973u	-2.1090u
Se 196.026	-1.4315u	-6.3563u	-5.3411u
Sn 189.925	-0.3247u	-6.2908u	-6.0553u
Sr 216.596	354.666	356.262	356.354
Ti 334.941	-0.0664u	-0.0939u	-0.0498u
Tl 190.794	-3.2478u	-3.7867u	-4.4027u
V 292.401	2.7206	2.5053	2.6860
Zn 206.200	2.9454	2.5633	2.7744

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.0259b	ppb	0.1629	628.1	10.9359
Al 308.215	6.3049b	ppb	0.7599	12.1	340.663
As 188.980	-2.5016b	ppb	2.0029	80.1	-2.9919
B 249.678	152.021b	ppb	1.6428	1.1	1479.79
Ba 389.178	202.625b	ppb	0.7065	0.3	2994.16
Be 313.042	-0.0205b	ppb	0.0066	32.1	-257.799
Ca 370.602	84558b	ppb	130.6	0.2	148103
Cd 226.502	0.0056b	ppb	0.1092	1955.4	3.9011
Co 228.615	-0.9803b	ppb	0.6592	67.2	3.0492

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Cr 267.716	0.8482b	ppb	0.0819	9.7	40.4489
Cu 324.754	0.2984b	ppb	0.2110	70.7	352.288
Fe 271.441	14.1840b	ppb	5.1342	36.2	6.9398
K 766.491	41380.6xb	ppb	119.424	0.3	1172731
Mg 279.078	7202.05b	ppb	15.5630	0.2	11733.5
Mn 257.610	258.837b	ppb	0.4113	0.2	32021.4
Mo 202.032	1.5930b	ppb	0.2913	18.3	10.5899
Na 330.237	105385xb	ppb	808.079	0.8	3717.05
Ni 231.604	0.6068b	ppb	0.1597	26.3	-0.3640
Pb 220.353	0.4461b	ppb	0.4261	95.5	1.7982
Sb 206.834	-0.6911b	ppb	1.6586	240.0	0.8283
Se 196.026	-4.3763b	ppb	2.6003	59.4	1.0147
Sn 189.925	-4.2236b	ppb	3.3786	80.0	-3.3909
Sr 216.596	355.761b	ppb	0.9495	0.3	2395.64
Ti 334.941	-0.0701b	ppb	0.0223	31.8	4.5733
Tl 190.794	-3.8124b	ppb	0.5779	15.2	-4.7670
V 292.401	2.6373b	ppb	0.1156	4.4	29.5768
Zn 206.200	2.7610b	ppb	0.1914	6.9	1.5992

680-104578-a-1-bSD (Samp) **8/29/2014, 5:14:29 PM** **Rack 1, Tube 32**

Weight: 1 **Volume: 1** **Dilution: 1**

Label	Replicates Concentration		
Ag 328.068	-0.5108u	0.0138u	-0.3318u
Al 308.215	2.9670	2.1606	3.2096
As 188.980	3.7501	-1.6901u	-1.2154u
B 249.678	28.0547	27.1485	26.6108
Ba 389.178	39.4319	38.6960	39.0456
Be 313.042	-0.0007	-0.0047u	-0.0006
Ca 370.602	16525	16285	16195
Cd 226.502	-0.0533u	0.0451	-0.1023u
Co 228.615	-0.0790u	0.0916	0.3228
Cr 267.716	0.0975	-0.0447u	0.1531
Cu 324.754	0.1549	-0.1920u	-0.0263u
Fe 271.441	3.2552	4.9392	-1.9850u
K 766.491	7991.40	7886.23	7850.81
Mg 279.078	1467.99	1439.24	1435.72
Mn 257.610	51.8618	50.9230	50.7866
Mo 202.032	-0.4021u	-0.0291u	-0.4607u
Na 330.237	19629.3	19439.5	19307.6
Ni 231.604	-0.2155u	0.3438	-1.0249u
Pb 220.353	-3.4826u	-0.2466u	2.4964
Sb 206.834	-0.6853u	-2.2360u	0.2573
Se 196.026	-11.6607u	2.9015	4.8141
Sn 189.925	-3.7413u	-5.4991u	-5.3845u
Sr 216.596	70.6017	69.5818	69.3634
Ti 334.941	-0.0758u	-0.0550u	-0.1019u
Tl 190.794	0.6474	-2.9922u	-0.3752u
V 292.401	0.6081	0.7778	0.7930
Zn 206.200	-0.5936u	1.1002	1.4244

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.2763	ppb	0.2667	96.5	2.8776
Al 308.215	2.7791	ppb	0.5492	19.8	323.335

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
As 188.980	0.2815	ppb	3.0133	1070.4	-1.9953
B 249.678	27.2713	ppb	0.7297	2.7	327.494
Ba 389.178	39.0579	ppb	0.3681	0.9	543.622
Be 313.042	-0.0020	ppb	0.0023	118.8	-246.447
Ca 370.602	16335	ppb	170.4	1.0	28628
Cd 226.502	-0.0368	ppb	0.0750	203.8	3.1201
Co 228.615	0.1118	ppb	0.2017	180.4	9.2377
Cr 267.716	0.0686	ppb	0.1020	148.6	16.1616
Cu 324.754	-0.0212	ppb	0.1735	820.1	339.415
Fe 271.441	2.0698	ppb	3.6111	174.5	-2.4720
K 766.491	7909.48	ppb	73.1225	0.9	224297
Mg 279.078	1447.65	ppb	17.7020	1.2	2368.27
Mn 257.610	51.1905	ppb	0.5854	1.1	6358.81
Mo 202.032	-0.2973	ppb	0.2341	78.7	3.0720
Na 330.237	19458.8	ppb	161.727	0.8	701.218
Ni 231.604	-0.2989	ppb	0.6882	230.2	-2.0354
Pb 220.353	-0.4109	ppb	2.9929	728.3	1.0089
Sb 206.834	-0.8880	ppb	1.2589	141.8	0.6716
Se 196.026	-1.3150	ppb	9.0105	685.2	1.7719
Sn 189.925	-4.8750	ppb	0.9835	20.2	-3.6909
Sr 216.596	69.8490	ppb	0.6610	0.9	471.415
Ti 334.941	-0.0776	ppb	0.0235	30.3	0.7493
Tl 190.794	-0.9066	ppb	1.8771	207.0	-3.0490
V 292.401	0.7263	ppb	0.1026	14.1	4.6176
Zn 206.200	0.6437	ppb	1.0837	168.4	0.3261

680-104578-a-1-bPDS (Samp) **8/29/2014, 5:18:46 PM** **Rack 1, Tube 33**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Replicates Concentration		
Ag 328.068	50.5735	50.6843	50.7428
Al 308.215	2191.88	2191.80	2193.80
As 188.980	217.563	212.867	215.779
B 249.678	674.189	677.223	681.981
Ba 389.178	416.595	416.622	417.013
Be 313.042	57.1931	57.1121	57.0583
Ca 370.602	85021	84643	84599
Cd 226.502	54.1084	54.5244	54.3741
Co 228.615	216.718	216.132	215.871
Cr 267.716	221.291	221.599	221.735
Cu 324.754	226.062	226.330	226.303
Fe 271.441	2187.75	2170.00	2173.85
K 766.491	42932.3x	42990.2x	42796.8x
Mg 279.078	9245.79	9273.52	9287.79
Mn 257.610	483.705	483.872	483.000
Mo 202.032	222.856	221.442	221.844
Na 330.237	107311x	107300x	107669x
Ni 231.604	213.269	215.019	215.084
Pb 220.353	209.777	213.957	210.197
Sb 206.834	201.398	213.860	206.248
Se 196.026	220.402	216.553	205.760
Sn 189.925	212.015	212.860	218.555
Sr 216.596	569.648	569.108	569.602
Ti 334.941	217.768	218.196	217.531

Label	Replicates Concentration		
Tl 190.794	208.077	205.606	208.521
V 292.401	223.234	221.976	222.062
Zn 206.200	219.679	218.776	219.732

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	50.6669b	ppb	0.0860	0.2	2796.22
Al 308.215	2192.50b	ppb	1.1343	0.1	10970.6
As 188.980	215.403b	ppb	2.3704	1.1	74.9795
B 249.678	677.798b	ppb	3.9273	0.6	6335.00
Ba 389.178	416.743b	ppb	0.2339	0.1	6198.81
Be 313.042	57.1212b	ppb	0.0679	0.1	55756.8
Ca 370.602	84755b	ppb	232.0	0.3	148496
Cd 226.502	54.3356b	ppb	0.2107	0.4	1277.94
Co 228.615	216.240b	ppb	0.4337	0.2	1230.84
Cr 267.716	221.542b	ppb	0.2274	0.1	6518.71
Cu 324.754	226.232b	ppb	0.1477	0.1	9434.92
Fe 271.441	2177.20b	ppb	9.3396	0.4	1708.90
K 766.491	42906.4xb	ppb	99.2920	0.2	1215966
Mg 279.078	9269.03b	ppb	21.3536	0.2	15095.2
Mn 257.610	483.526b	ppb	0.4632	0.1	59775.5
Mo 202.032	222.047b	ppb	0.7284	0.3	887.292
Na 330.237	107427xb	ppb	210.196	0.2	3786.35
Ni 231.604	214.457b	ppb	1.0293	0.5	393.710
Pb 220.353	211.311b	ppb	2.3019	1.1	190.188
Sb 206.834	207.169b	ppb	6.2819	3.0	181.332
Se 196.026	214.238b	ppb	7.5905	3.5	57.0156
Sn 189.925	214.477b	ppb	3.5569	1.7	92.3488
Sr 216.596	569.453b	ppb	0.2997	0.1	3820.04
Ti 334.941	217.832b	ppb	0.3371	0.2	41620.5
Tl 190.794	207.402b	ppb	1.5703	0.8	124.143
V 292.401	222.424b	ppb	0.7026	0.3	2930.76
Zn 206.200	219.396b	ppb	0.5374	0.2	131.583

680-104578-a-1-e ms (Samp) **8/29/2014, 5:23:02 PM** **Rack 1, Tube 34**

Weight: 1 **Volume: 1** **Dilution: 1**

Label	Replicates Concentration		
Ag 328.068	166.514	166.730	164.921
Al 308.215	1605.46	1606.90	1602.81
As 188.980	164.139	165.295	161.995
B 249.678	438.835	440.629	442.681
Ba 389.178	293.744	294.058	293.323
Be 313.042	163.633	163.645	163.679
Ca 370.602	83806	83863	83920
Cd 226.502	156.423	156.073	155.668
Co 228.615	156.678	157.651	158.039
Cr 267.716	162.058	162.113	162.445
Cu 324.754	166.688	166.927	165.027
Fe 271.441	15889.2	15901.1	15910.1
K 766.491	49362.8x	49621.8x	49526.5x
Mg 279.078	21369.8	21392.4	21340.4
Mn 257.610	1884.93	1883.42	1884.60
Mo 202.032	163.209	163.602	163.965
Na 330.237	100887x	101068x	100718x

Label	Replicates Concentration		
Ni 231.604	158.067	158.844	160.292
Pb 220.353	157.586	153.651	159.189
Sb 206.834	157.418	156.247	154.562
Se 196.026	163.224	157.647	159.661
Sn 189.925	157.775	154.602	154.709
Sr 216.596	449.255	447.805	446.867
Ti 334.941	161.761	160.994	161.843
Tl 190.794	30.6084	28.8654	28.0898
V 292.401	165.631	165.950	166.264
Zn 206.200	157.625	158.934	152.499

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	166.055b	ppb	0.9878	0.6	9150.67
Al 308.215	1605.05b	ppb	2.0723	0.1	8132.11
As 188.980	163.810b	ppb	1.6745	1.0	56.4683
B 249.678	440.715b	ppb	1.9243	0.4	4127.07
Ba 389.178	293.708b	ppb	0.3688	0.1	4375.61
Be 313.042	163.652b	ppb	0.0242	0.0	160210
Ca 370.602	83863b	ppb	57.29	0.1	146838
Cd 226.502	156.055b	ppb	0.3777	0.2	3696.54
Co 228.615	157.456b	ppb	0.7010	0.4	899.076
Cr 267.716	162.205b	ppb	0.2092	0.1	4783.77
Cu 324.754	166.214b	ppb	1.0347	0.6	7025.57
Fe 271.441	15900.1b	ppb	10.4792	0.1	12412.4
K 766.491	49503.7xb	ppb	130.984	0.3	1402905
Mg 279.078	21367.5b	ppb	26.0578	0.1	34773.6
Mn 257.610	1884.32b	ppb	0.7911	0.0	232802
Mo 202.032	163.592b	ppb	0.3782	0.2	654.432
Na 330.237	100891xb	ppb	174.719	0.2	3555.12
Ni 231.604	159.068b	ppb	1.1295	0.7	292.376
Pb 220.353	156.809b	ppb	2.8494	1.8	142.209
Sb 206.834	156.076b	ppb	1.4360	0.9	137.352
Se 196.026	160.177b	ppb	2.8243	1.8	43.4249
Sn 189.925	155.695b	ppb	1.8019	1.2	66.6153
Sr 216.596	447.976b	ppb	1.2028	0.3	3018.48
Ti 334.941	161.532b	ppb	0.4684	0.3	30884.1
Tl 190.794	29.1878b	ppb	1.2899	4.4	14.7361
V 292.401	165.948b	ppb	0.3164	0.2	2188.27
Zn 206.200	156.352b	ppb	3.4008	2.2	93.3800

680-104578-a-1-f msd (Samp) **8/29/2014, 5:27:19 PM** **Rack 1, Tube 35**

Weight: 1 **Volume: 1** **Dilution: 1**

Label	Replicates Concentration		
Ag 328.068	158.475	158.365	157.575
Al 308.215	1549.98	1551.68	1540.60
As 188.980	152.696	158.895	159.984
B 249.678	419.720	422.350	419.159
Ba 389.178	279.052	279.371	278.314
Be 313.042	158.621	159.148	158.029
Ca 370.602	78915	79027	78574
Cd 226.502	151.660	151.351	150.890
Co 228.615	152.352	153.485	152.780
Cr 267.716	157.203	157.459	156.512

Label	Replicates Concentration		
Cu 324.754	160.849	161.823	161.461
Fe 271.441	15448.5	15461.6	15382.8
K 766.491	46887.8x	46905.1x	46735.6x
Mg 279.078	20486.1	20536.9	20410.2
Mn 257.610	1819.13	1823.58	1811.71
Mo 202.032	159.563	158.097	157.819
Na 330.237	94099.2	94308.8	93780.3
Ni 231.604	151.408	152.252	153.706
Pb 220.353	149.633	153.685	151.674
Sb 206.834	148.072	149.092	147.363
Se 196.026	160.435	149.582	150.254
Sn 189.925	154.283	151.808	146.126
Sr 216.596	424.732	425.722	422.296
Ti 334.941	156.515	157.142	156.329
Tl 190.794	27.0887	23.8342	26.8025
V 292.401	162.082	162.282	161.530
Zn 206.200	151.151	149.779	148.328

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	158.138b	ppb	0.4909	0.3	8715.43
Al 308.215	1547.42b	ppb	5.9646	0.4	7851.44
As 188.980	157.192b	ppb	3.9314	2.5	54.1015
B 249.678	420.409b	ppb	1.7035	0.4	3940.10
Ba 389.178	278.913b	ppb	0.5423	0.2	4153.40
Be 313.042	158.599b	ppb	0.5600	0.4	155256
Ca 370.602	78839b	ppb	235.5	0.3	138041
Cd 226.502	151.300b	ppb	0.3878	0.3	3584.02
Co 228.615	152.872b	ppb	0.5720	0.4	873.158
Cr 267.716	157.058b	ppb	0.4899	0.3	4632.33
Cu 324.754	161.378b	ppb	0.4923	0.3	6831.03
Fe 271.441	15431.0b	ppb	42.2173	0.3	12046.1
K 766.491	46842.8xb	ppb	93.2687	0.2	1327507
Mg 279.078	20477.7b	ppb	63.7449	0.3	33326.0
Mn 257.610	1818.14b	ppb	5.9947	0.3	224626
Mo 202.032	158.493b	ppb	0.9373	0.6	634.165
Na 330.237	94062.8b	ppb	266.120	0.3	3315.63
Ni 231.604	152.455b	ppb	1.1622	0.8	280.166
Pb 220.353	151.664b	ppb	2.0257	1.3	137.588
Sb 206.834	148.175b	ppb	0.8689	0.6	130.471
Se 196.026	153.424b	ppb	6.0810	4.0	41.6850
Sn 189.925	150.739b	ppb	4.1820	2.8	64.4446
Sr 216.596	424.250b	ppb	1.7632	0.4	2858.71
Ti 334.941	156.662b	ppb	0.4262	0.3	29953.3
Tl 190.794	25.9084b	ppb	1.8021	7.0	12.7519
V 292.401	161.965b	ppb	0.3895	0.2	2135.75
Zn 206.200	149.753b	ppb	1.4118	0.9	89.4286

680-104589-a-1-b (Samp) **8/29/2014, 5:31:36 PM** **Rack 1, Tube 36**

Weight: 1 **Volume: 1** **Dilution: 1**

Label	Replicates Concentration		
Ag 328.068	-0.0890u	-0.1676u	-0.0193u
Al 308.215	12.6196	11.1467	12.2165
As 188.980	2.3782	-0.7512u	2.6674

Label	Replicates Concentration		
B 249.678	198.652	198.855	198.555
Ba 389.178	1749.62	1746.51	1748.02
Be 313.042	-0.0807u	-0.0854u	-0.0886u
Ca 370.602	417629	417752	418228
Cd 226.502	-0.1544u	-0.0876u	-0.1653u
Co 228.615	-0.5227u	-1.7691u	-0.1223u
Cr 267.716	8.4580	8.4428	8.3859
Cu 324.754	-0.1088u	0.2414	-0.2709u
Fe 271.441	14.8800	22.1815	10.3605
K 766.491	173758x	173773x	173765x
Mg 279.078	15702.4	15691.3	15682.3
Mn 257.610	-0.3587	-0.4101	-0.3786
Mo 202.032	5.8196	6.0694	5.8279
Na 330.237	12502.9	12187.6	12695.2
Ni 231.604	0.7714	1.0697	0.4516
Pb 220.353	1.4649	3.0208	1.0875
Sb 206.834	0.8847	7.3107	-3.8724u
Se 196.026	-3.9715u	-0.8631u	0.0425
Sn 189.925	-0.2824u	-6.1007u	-3.3546u
Sr 216.596	2234.47	2235.71	2237.44
Ti 334.941	0.2906	0.2431	0.2378
Tl 190.794	-4.3751u	-5.1861u	-4.7436u
V 292.401	3.1815	2.9994	3.4171
Zn 206.200	4.7279	4.3220	0.8636

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.0920b	ppb	0.0742	80.6	-34.9680
Al 308.215	11.9943b	ppb	0.7612	6.3	368.478
As 188.980	1.4315b	ppb	1.8957	132.4	-1.5846
B 249.678	198.687b	ppb	0.1531	0.1	1911.05
Ba 389.178	1748.05b	ppb	1.5556	0.1	26104.8
Be 313.042	-0.0849b	ppb	0.0040	4.7	-258.563
Ca 370.602	417869b	ppb	316.2	0.1	731798
Cd 226.502	-0.1358b	ppb	0.0420	31.0	0.9928
Co 228.615	-0.8047b	ppb	0.8589	106.7	4.0422
Cr 267.716	8.4289b	ppb	0.0380	0.5	261.361
Cu 324.754	-0.0461b	ppb	0.2619	568.2	338.535
Fe 271.441	15.8073b	ppb	5.9648	37.7	8.2229
K 766.491	173765xb	ppb	7.3253	0.0	4923961
Mg 279.078	15692.0b	ppb	10.0583	0.1	25557.8
Mn 257.610	-0.3825b	ppb	0.0259	6.8	56.0369
Mo 202.032	5.9056b	ppb	0.1419	2.4	27.7437
Na 330.237	12461.9b	ppb	256.236	2.1	455.614
Ni 231.604	0.7642b	ppb	0.3091	40.4	-0.0736
Pb 220.353	1.8577b	ppb	1.0248	55.2	3.0301
Sb 206.834	1.4410b	ppb	5.6123	389.5	2.6931
Se 196.026	-1.5974b	ppb	2.1053	131.8	1.6931
Sn 189.925	-3.2459b	ppb	2.9106	89.7	-2.9790
Sr 216.596	2235.87b	ppb	1.4958	0.1	15024.3
Ti 334.941	0.2572b	ppb	0.0291	11.3	81.4099
Tl 190.794	-4.7683b	ppb	0.4061	8.5	-5.4313
V 292.401	3.1993b	ppb	0.2094	6.5	36.9178
Zn 206.200	3.3045b	ppb	2.1236	64.3	1.9133

Cont Calib Verif (CCV) **8/29/2014, 5:35:52 PM** **Rack 1, Tube 37**

Weight: 1 **Volume: 1** **Dilution: 1**

Label	Replicates Concentration		
Ag 328.068	535.452	519.139	511.562
Al 308.215	5122.64	4949.50	4887.58
As 188.980	498.862	487.285	488.316
B 249.678	519.335	507.007	502.184
Ba 389.178	5202.67	5070.36	5009.95
Be 313.042	542.953	525.130	517.915
Ca 370.602	5308	5136	5071
Cd 226.502	521.739	503.518	494.862
Co 228.615	529.562	508.141	504.246
Cr 267.716	5257.55	5086.07	5013.82
Cu 324.754	5281.71	4989.41	5014.49
Fe 271.441	5311.25	5125.64	5044.72
K 766.491	10482.1	10211.2	10117.4
Mg 279.078	5197.21	5016.96	4951.38
Mn 257.610	5365.88	5188.48	5123.53
Mo 202.032	531.185	514.061	502.313
Na 330.237	7736.62	7617.13	7404.23
Ni 231.604	2633.26	2549.61	2508.53
Pb 220.353	521.127	495.854	490.078
Sb 206.834	1013.24	984.972	967.728
Se 196.026	5116.51	4982.81	4898.93
Sn 189.925	5262.03	5077.74	4974.20
Sr 216.596	2625.72	2533.99	2497.93
Ti 334.941	517.029	501.094	494.642
Tl 190.794	5297.02	5100.65	5029.33
V 292.401	5326.89	5154.09	5093.95
Zn 206.200	2603.46	2515.25	2486.48

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Ag 328.068	522.051	ppb	12.2080	2.3	28713.1	104.41022
Al 308.215	4986.57	ppb	121.836	2.4	24891.4	99.73140
As 188.980	491.488	ppb	6.4070	1.3	173.767	98.29753
B 249.678	509.509	ppb	8.8449	1.7	4783.27	101.90175
Ba 389.178	5094.33	ppb	98.5705	1.9	76129.6	101.88657
Be 313.042	528.666	ppb	12.8881	2.4	518206	105.73324
Ca 370.602	5172	ppb	122.6	2.4	9285	103.43575
Cd 226.502	506.706	ppb	13.7192	2.7	11834.1	101.34125
Co 228.615	513.983	ppb	13.6317	2.7	2917.38	102.79657
Cr 267.716	5119.15	ppb	125.186	2.4	150268	102.38292
Cu 324.754	5095.20	ppb	162.003	3.2	205060	101.90401
Fe 271.441	5160.54	ppb	136.647	2.6	4079.01	103.21074
K 766.491	10270.2	ppb	189.417	1.8	291191	102.70238
Mg 279.078	5055.18	ppb	127.294	2.5	8176.37	101.10365
Mn 257.610	5225.96	ppb	125.446	2.4	645292	104.51923
Mo 202.032	515.853	ppb	14.5190	2.8	2052.73	103.17063
Na 330.237	7586.00	ppb	168.371	2.2	263.737	101.14660
Ni 231.604	2563.80	ppb	63.5654	2.5	4724.96	102.55199
Pb 220.353	502.353	ppb	16.5131	3.3	452.845	100.47057
Sb 206.834	988.648	ppb	22.9794	2.3	894.526	98.86479
Se 196.026	4999.42	ppb	109.739	2.2	1282.55	99.98830
Sn 189.925	5104.66	ppb	145.794	2.9	2233.08	102.09315
Sr 216.596	2552.55	ppb	65.8854	2.6	17014.8	102.10191

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Ti 334.941	504.255	ppb	11.5235	2.3	96320.1	100.85106
Tl 190.794	5142.34	ppb	138.628	2.7	3140.42	102.84671
V 292.401	5191.64	ppb	120.922	2.3	68864.6	103.83287
Zn 206.200	2535.06	ppb	60.9542	2.4	1517.25	101.40237

Cont Calib Blank (CCB) **8/29/2014, 5:40:07 PM** **Rack 1, Tube 38**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Replicates Concentration		
Ag 328.068	-0.3978u	-0.0191u	0.1435
Al 308.215	-0.6117u	1.2531	2.6203
As 188.980	-2.2041u	-8.8060u	1.9173
B 249.678	8.3196	7.2682	5.7704
Ba 389.178	0.2420	0.3461	-0.1746u
Be 313.042	0.0229	0.0119	0.0221
Ca 370.602	3.863	6.191	4.243
Cd 226.502	-0.0213u	-0.1143u	0.0024
Co 228.615	-0.3554u	-0.0912u	-0.1085u
Cr 267.716	0.0262	0.1242	0.1351
Cu 324.754	-0.1933u	-0.1054u	-0.0396u
Fe 271.441	-4.3190u	-1.7883u	1.6288
K 766.491	3.5888	5.1124	5.0091
Mg 279.078	-1.4975u	-1.4314u	-0.8902u
Mn 257.610	0.1069	0.1543	0.2258
Mo 202.032	0.3703	-0.3775u	-0.4955u
Na 330.237	-87.5246u	-181.126u	-71.9008u
Ni 231.604	-0.0809u	0.4931	-0.8412u
Pb 220.353	-0.4121u	-0.6012u	-0.9503u
Sb 206.834	3.2860	1.1892	-3.2684u
Se 196.026	-2.6999u	-5.8478u	-8.9843u
Sn 189.925	-2.6348u	-2.2810u	-3.8312u
Sr 216.596	-0.4929u	-0.0132u	-0.3165u
Ti 334.941	-0.0126u	-0.0732u	-0.1294u
Tl 190.794	0.6140	0.4176	-2.2388u
V 292.401	0.4711	0.2685	-0.0200u
Zn 206.200	0.2962	-0.4517u	-2.4067u

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Ag 328.068	-0.0911	ppb	0.2778	304.9	14.4690	-0.09110
Al 308.215	1.0872	ppb	1.6224	149.2	315.100	1.08723
As 188.980	-3.0309	ppb	5.4093	178.5	-3.1811	-3.03094
B 249.678	7.1194	ppb	1.2811	18.0	141.350	7.11941
Ba 389.178	0.1378	ppb	0.2755	199.9	-39.5457	0.13782
Be 313.042	0.0189	ppb	0.0061	32.4	-227.650	0.01895
Ca 370.602	4.766	ppb	1.249	26.2	29.38	4.76552
Cd 226.502	-0.0444	ppb	0.0617	138.9	2.9990	-0.04438
Co 228.615	-0.1850	ppb	0.1478	79.9	7.5535	-0.18504
Cr 267.716	0.0952	ppb	0.0600	63.0	16.6132	0.09516
Cu 324.754	-0.1128	ppb	0.0771	68.4	335.742	-0.11277
Fe 271.441	-1.4928	ppb	2.9849	199.9	-5.2666	-1.49285
K 766.491	4.5701	ppb	0.8514	18.6	304.211	4.57011
Mg 279.078	-1.2730	ppb	0.3332	26.2	10.1363	-1.27303
Mn 257.610	0.1623	ppb	0.0598	36.9	52.2087	0.16233
Mo 202.032	-0.1676	ppb	0.4695	280.2	3.5886	-0.16755

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Na 330.237	-113.517	ppb	59.0697	52.0	14.2807	-113.51709
Ni 231.604	-0.1430	ppb	0.6693	468.0	-1.7477	-0.14300
Pb 220.353	-0.6545	ppb	0.2730	41.7	0.7852	-0.65451
Sb 206.834	0.4023	ppb	3.3473	832.1	1.7953	0.40226
Se 196.026	-5.8440	ppb	3.1422	53.8	0.6061	-5.84401
Sn 189.925	-2.9157	ppb	0.8124	27.9	-2.8366	-2.91566
Sr 216.596	-0.2742	ppb	0.2427	88.5	-0.4380	-0.27419
Ti 334.941	-0.0717	ppb	0.0584	81.5	1.1517	-0.07174
Tl 190.794	-0.4024	ppb	1.5934	395.9	-2.7571	-0.40244
V 292.401	0.2399	ppb	0.2468	102.9	-1.8024	0.23987
Zn 206.200	-0.8541	ppb	1.3957	163.4	-0.5756	-0.85409

lb2 680-346043/5-b (Samp) **8/29/2014, 5:44:22 PM** **Rack 1, Tube 39**

Weight: 1 **Volume: 1** **Dilution: 1**

Label	Replicates Concentration		
Ag 328.068	-0.1810u	-0.1123u	-0.1685u
Al 308.215	22.8049	23.2295	22.9076
As 188.980	-5.9205u	1.1453	9.8381
B 249.678	101.489	103.185	102.610
Ba 389.178	7.7394	7.4819	7.4431
Be 313.042	0.0154	0.0062	0.0146
Ca 370.602	849.4	851.8	855.4
Cd 226.502	0.0026	-0.1502u	-0.0593u
Co 228.615	0.8625	-0.4336u	-0.4524u
Cr 267.716	0.4256	0.8668	0.4801
Cu 324.754	1.3271	1.3918	1.3468
Fe 271.441	13.8509	10.1546	14.6698
K 766.491	160.696	160.769	160.491
Mg 279.078	128.039	129.230	126.904
Mn 257.610	0.5369	0.5563	0.5220
Mo 202.032	0.2185	-0.6034u	-0.5467u
Na 330.237	4435.73	4493.33	4589.15
Ni 231.604	-1.5039u	-1.2311u	-0.5838u
Pb 220.353	38.8637	41.9096	38.2048
Sb 206.834	-1.9584u	-2.2310u	-1.4628u
Se 196.026	9.5752	10.9553	7.5200
Sn 189.925	0.9937	-0.6368u	-1.7529u
Sr 216.596	2.4927	2.2026	2.0920
Ti 334.941	0.1707	0.1409	0.1373
Tl 190.794	-0.1131u	-1.9289u	-0.6469u
V 292.401	0.2072	0.3159	0.2160
Zn 206.200	15.0849	15.0744	14.7459

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.1539	ppb	0.0366	23.8	10.9495
Al 308.215	22.9807	ppb	0.2215	1.0	421.294
As 188.980	1.6876	ppb	7.8933	467.7	-1.4919
B 249.678	102.428	ppb	0.8626	0.8	1021.64
Ba 389.178	7.5548	ppb	0.1610	2.1	71.4564
Be 313.042	0.0121	ppb	0.0051	42.5	-234.492
Ca 370.602	852.2	ppb	3.031	0.4	1513
Cd 226.502	-0.0690	ppb	0.0768	111.4	2.4495
Co 228.615	-0.0078	ppb	0.7538	9625.8	8.5611

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Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Cr 267.716	0.5908	ppb	0.2406	40.7	31.2131
Cu 324.754	1.3552	ppb	0.0332	2.4	394.729
Fe 271.441	12.8917	ppb	2.4056	18.7	5.9302
K 766.491	160.652	ppb	0.1442	0.1	4726.92
Mg 279.078	128.058	ppb	1.1629	0.9	220.669
Mn 257.610	0.5384	ppb	0.0172	3.2	99.2164
Mo 202.032	-0.3105	ppb	0.4590	147.8	3.0196
Na 330.237	4506.07	ppb	77.5004	1.7	176.293
Ni 231.604	-1.1063	ppb	0.4726	42.7	-3.5224
Pb 220.353	39.6594	ppb	1.9764	5.0	36.8180
Sb 206.834	-1.8841	ppb	0.3895	20.7	-0.1912
Se 196.026	9.3502	ppb	1.7286	18.5	4.4956
Sn 189.925	-0.4653	ppb	1.3813	296.8	-1.7631
Sr 216.596	2.2625	ppb	0.2069	9.1	16.6983
Ti 334.941	0.1496	ppb	0.0183	12.2	43.3544
Tl 190.794	-0.8963	ppb	0.9333	104.1	-3.0594
V 292.401	0.2463	ppb	0.0604	24.5	-1.7193
Zn 206.200	14.9684	ppb	0.1928	1.3	8.9487

lb 680-346219/1-b (Samp) **8/29/2014, 5:48:37 PM** **Rack 1, Tube 40**

Weight: 1 **Volume: 1** **Dilution: 1**

Label	Replicates Concentration		
Ag 328.068	-0.0267u	-0.1458u	-0.0569u
Al 308.215	4.6487	8.3608	8.3178
As 188.980	-3.0762u	-4.1110u	-3.0393u
B 249.678	-0.1281u	-0.3252u	-1.1903u
Ba 389.178	-0.4346u	-1.1011u	-0.5574u
Be 313.042	0.0033u	0.0099	0.0128
Ca 370.602	7.928	8.678	10.73
Cd 226.502	-0.0494u	-0.0871u	-0.0633u
Co 228.615	-0.9916u	-0.2018u	0.0811
Cr 267.716	-0.0511u	0.0769	-0.1084u
Cu 324.754	0.1126	0.2997	0.2853
Fe 271.441	-3.1964u	-0.1990u	-4.2048u
K 766.491	12.8827	12.8500	13.4055
Mg 279.078	0.2455	-0.3109u	1.3324
Mn 257.610	0.1130	0.0610	0.0997
Mo 202.032	-0.8845u	-0.4835u	-0.3055u
Na 330.237	84977.0	85848.0	85109.3
Ni 231.604	0.6152	-0.2309u	0.2463
Pb 220.353	-2.9952u	0.0863	-1.4080u
Sb 206.834	-4.3873u	2.2324	2.8439
Se 196.026	-8.9392u	-6.1086u	0.2315
Sn 189.925	-2.2940u	-9.2328u	-7.4730u
Sr 216.596	-0.6631u	0.3384	-0.3219u
Ti 334.941	-0.2125u	-0.2232u	-0.1375u
Tl 190.794	1.6106	1.9540	-4.6123u
V 292.401	0.1722	0.0661	0.3148
Zn 206.200	0.7678	0.9780	1.5952

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.0765	ppb	0.0619	81.0	15.2682
Al 308.215	7.1091	ppb	2.1309	30.0	344.300

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
As 188.980	-3.4088	ppb	0.6084	17.8	-3.3163
B 249.678	-0.5479	ppb	0.5650	103.1	70.5336
Ba 389.178	-0.6977	ppb	0.3547	50.8	-52.0349
Be 313.042	0.0087	ppb	0.0049	56.1	-242.456
Ca 370.602	9.112	ppb	1.450	15.9	36.95
Cd 226.502	-0.0666	ppb	0.0191	28.6	2.2081
Co 228.615	-0.3708	ppb	0.5559	149.9	6.5076
Cr 267.716	-0.0275	ppb	0.0949	344.8	13.8718
Cu 324.754	0.2325	ppb	0.1041	44.8	349.611
Fe 271.441	-2.5334	ppb	2.0836	82.2	-6.0940
K 766.491	13.0461	ppb	0.3117	2.4	544.385
Mg 279.078	0.4223	ppb	0.8358	197.9	12.8963
Mn 257.610	0.0913	ppb	0.0270	29.6	43.2124
Mo 202.032	-0.5578	ppb	0.2966	53.2	2.0362
Na 330.237	85311.4	ppb	469.357	0.6	3012.50
Ni 231.604	0.2102	ppb	0.4242	201.8	-1.0961
Pb 220.353	-1.4390	ppb	1.5410	107.1	0.0843
Sb 206.834	0.2297	ppb	4.0101	1746.0	1.6464
Se 196.026	-4.9387	ppb	4.6959	95.1	0.8378
Sn 189.925	-6.3333	ppb	3.6071	57.0	-4.3179
Sr 216.596	-0.2156	ppb	0.5092	236.2	-0.0485
Ti 334.941	-0.1911	ppb	0.0467	24.4	-25.8346
Tl 190.794	-0.3492	ppb	3.6959	1058.3	-2.7246
V 292.401	0.1844	ppb	0.1248	67.7	-2.8170
Zn 206.200	1.1137	ppb	0.4300	38.6	0.6091

680-104631-a-1-b (Samp) **8/29/2014, 5:52:52 PM** **Rack 1, Tube 41**

Weight: 1 **Volume: 1** **Dilution: 1**

Label	Replicates Concentration		
Ag 328.068	-0.1781u	0.0004u	-0.1553u
Al 308.215	1002.19	997.547	988.884
As 188.980	-4.3297u	0.3879	-8.1342u
B 249.678	68.2358	68.1993	68.3397
Ba 389.178	23.3879	23.9523	23.5536
Be 313.042	0.0216	0.0257	0.0221
Ca 370.602	2471	2483	2454
Cd 226.502	-0.0765	-0.0325	-0.0862
Co 228.615	-0.1768u	-0.0884u	0.7385
Cr 267.716	2.0346	1.9566	1.8861
Cu 324.754	2.0452	2.3378	2.0609
Fe 271.441	693.948	696.598	683.160
K 766.491	1890.64	1884.09	1859.85
Mg 279.078	264.938	263.481	257.986
Mn 257.610	10.3698	10.3138	10.2288
Mo 202.032	10.6651	11.7420	11.5511
Na 330.237	12878.4	12746.4	12609.3
Ni 231.604	0.3330	1.1532	0.9744
Pb 220.353	-1.5820u	5.1237	1.2317
Sb 206.834	-0.9281u	0.1984	0.2124
Se 196.026	-13.0477u	-14.8489u	-0.1429u
Sn 189.925	-5.8156u	-4.1271u	-3.6910u
Sr 216.596	16.0988	15.5719	15.0498
Ti 334.941	16.7322	16.5987	16.2672

Label	Replicates Concentration		
Tl 190.794	-6.5507u	-2.1620u	-5.9708u
V 292.401	1.2925	0.9965	1.1764
Zn 206.200	22.9560	26.8560	25.5492

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.1110	ppb	0.0971	87.5	12.9850
Al 308.215	996.207	ppb	6.7532	0.7	5143.02
As 188.980	-4.0254	ppb	4.2692	106.1	-3.5356
B 249.678	68.2583	ppb	0.0729	0.1	705.165
Ba 389.178	23.6313	ppb	0.2901	1.2	312.202
Be 313.042	0.0232	ppb	0.0023	9.7	-224.704
Ca 370.602	2470	ppb	14.50	0.6	4345
Cd 226.502	-0.0651	ppb	0.0286	44.0	4.8595
Co 228.615	0.1577	ppb	0.5049	320.0	9.5371
Cr 267.716	1.9591	ppb	0.0743	3.8	71.6859
Cu 324.754	2.1479	ppb	0.1646	7.7	426.999
Fe 271.441	691.235	ppb	7.1179	1.0	535.268
K 766.491	1878.19	ppb	16.2223	0.9	53395.0
Mg 279.078	262.135	ppb	3.6659	1.4	438.597
Mn 257.610	10.3041	ppb	0.0710	0.7	1306.70
Mo 202.032	11.3194	ppb	0.5746	5.1	49.2605
Na 330.237	12744.7	ppb	134.527	1.1	465.242
Ni 231.604	0.8202	ppb	0.4313	52.6	0.0635
Pb 220.353	1.5911	ppb	3.3673	211.6	2.7991
Sb 206.834	-0.1724	ppb	0.6545	379.6	1.1969
Se 196.026	-9.3465	ppb	8.0213	85.8	-0.2857
Sn 189.925	-4.5446	ppb	1.1221	24.7	-3.5474
Sr 216.596	15.5735	ppb	0.5245	3.4	106.309
Ti 334.941	16.5327	ppb	0.2394	1.4	3171.91
Tl 190.794	-4.8945	ppb	2.3841	48.7	-5.5676
V 292.401	1.1551	ppb	0.1492	12.9	9.5987
Zn 206.200	25.1204	ppb	1.9851	7.9	15.0406

680-104631-a-1-e ms (Samp) **8/29/2014, 5:57:08 PM** **Rack 1, Tube 42**

Weight: 1 **Volume: 1** **Dilution: 1**

Label	Replicates Concentration		
Ag 328.068	166.157	168.927	167.701
Al 308.215	2441.90	2454.31	2459.21
As 188.980	172.245	167.054	165.144
B 249.678	370.984	374.894	378.124
Ba 389.178	156.933	159.023	158.574
Be 313.042	166.268	167.830	168.053
Ca 370.602	18378	18547	18551
Cd 226.502	157.892	159.979	159.728
Co 228.615	163.219	163.954	164.248
Cr 267.716	166.761	168.471	168.909
Cu 324.754	168.530	168.565	170.452
Fe 271.441	16438.3	16564.2	16623.4
K 766.491	17798.6	17709.7	17747.0
Mg 279.078	16009.0	16120.1	16123.3
Mn 257.610	1725.81	1741.98	1742.27
Mo 202.032	176.295	177.938	175.912
Na 330.237	26083.8	26161.4	26334.3

Label	Replicates Concentration		
Ni 231.604	161.453	162.425	162.873
Pb 220.353	159.797	155.715	159.752
Sb 206.834	149.119	152.525	157.470
Se 196.026	157.870	155.548	164.222
Sn 189.925	153.548	158.867	158.772
Sr 216.596	177.851	179.383	178.699
Ti 334.941	178.106	179.665	179.718
Tl 190.794	26.7817	23.9541	28.6448
V 292.401	167.975	169.984	171.060
Zn 206.200	178.627	181.670	181.663

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	167.595	ppb	1.3881	0.8	9240.90
Al 308.215	2451.81	ppb	8.9271	0.4	12240.4
As 188.980	168.148	ppb	3.6748	2.2	58.0220
B 249.678	374.667	ppb	3.5755	1.0	3516.20
Ba 389.178	158.177	ppb	1.1003	0.7	2344.88
Be 313.042	167.383	ppb	0.9727	0.6	163860
Ca 370.602	18492	ppb	98.91	0.5	32358
Cd 226.502	159.200	ppb	1.1395	0.7	3772.04
Co 228.615	163.807	ppb	0.5300	0.3	935.024
Cr 267.716	168.047	ppb	1.1347	0.7	4954.24
Cu 324.754	169.182	ppb	1.0994	0.6	7145.23
Fe 271.441	16542.0	ppb	94.5275	0.6	12913.6
K 766.491	17751.7	ppb	44.6550	0.3	503186
Mg 279.078	16084.1	ppb	65.0790	0.4	26174.3
Mn 257.610	1736.69	ppb	9.4221	0.5	214552
Mo 202.032	176.715	ppb	1.0768	0.6	706.612
Na 330.237	26193.2	ppb	128.265	0.5	933.074
Ni 231.604	162.250	ppb	0.7260	0.4	298.264
Pb 220.353	158.421	ppb	2.3439	1.5	143.635
Sb 206.834	153.038	ppb	4.1990	2.7	134.622
Se 196.026	159.214	ppb	4.4904	2.8	43.1621
Sn 189.925	157.063	ppb	3.0438	1.9	67.2011
Sr 216.596	178.644	ppb	0.7678	0.4	1205.82
Ti 334.941	179.163	ppb	0.9158	0.5	34248.8
Tl 190.794	26.4602	ppb	2.3618	8.9	12.9764
V 292.401	169.673	ppb	1.5654	0.9	2237.19
Zn 206.200	180.653	ppb	1.7550	1.0	107.987

680-104631-a-1-f msd (Samp) **8/29/2014, 6:01:24 PM** **Rack 1, Tube 43**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Replicates Concentration		
Ag 328.068	164.031	169.503	167.437
Al 308.215	2332.87	2433.35	2374.33
As 188.980	167.482	166.530	168.217
B 249.678	364.802	382.188	374.971
Ba 389.178	153.192	158.381	155.478
Be 313.042	162.247	168.675	165.076
Ca 370.602	17717	18461	18118
Cd 226.502	155.288	161.827	157.663
Co 228.615	158.407	164.586	160.671
Cr 267.716	162.392	169.273	165.949

Label	Replicates Concentration		
Cu 324.754	164.562	171.559	168.966
Fe 271.441	16042.5	16671.1	16338.1
K 766.491	17233.4	17867.0	17479.3
Mg 279.078	15665.0	16317.8	15942.2
Mn 257.610	1688.03	1756.13	1718.48
Mo 202.032	171.747	178.133	174.719
Na 330.237	24975.3	26007.5	25293.9
Ni 231.604	159.547	163.405	159.943
Pb 220.353	152.470	165.357	158.862
Sb 206.834	152.973	154.552	158.207
Se 196.026	147.262	164.886	149.462
Sn 189.925	149.527	157.122	157.534
Sr 216.596	172.674	180.877	176.511
Ti 334.941	173.520	180.306	175.905
Tl 190.794	32.1934	28.1414	26.7940
V 292.401	164.582	172.311	167.401
Zn 206.200	174.137	181.991	182.113

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	166.990	ppb	2.7633	1.7	9207.60
Al 308.215	2380.18	ppb	50.4923	2.1	11892.7
As 188.980	167.410	ppb	0.8458	0.5	57.7582
B 249.678	373.987	ppb	8.7345	2.3	3510.16
Ba 389.178	155.684	ppb	2.6004	1.7	2307.44
Be 313.042	165.333	ppb	3.2219	1.9	161850
Ca 370.602	18098	ppb	372.4	2.1	31669
Cd 226.502	158.259	ppb	3.3100	2.1	3749.49
Co 228.615	161.221	ppb	3.1264	1.9	920.386
Cr 267.716	165.871	ppb	3.4410	2.1	4890.29
Cu 324.754	168.362	ppb	3.5372	2.1	7112.23
Fe 271.441	16350.6	ppb	314.480	1.9	12764.1
K 766.491	17526.6	ppb	319.455	1.8	496805
Mg 279.078	15975.0	ppb	327.643	2.1	25996.8
Mn 257.610	1720.88	ppb	34.1119	2.0	212600
Mo 202.032	174.866	ppb	3.1957	1.8	699.264
Na 330.237	25425.6	ppb	528.544	2.1	906.170
Ni 231.604	160.965	ppb	2.1222	1.3	295.889
Pb 220.353	158.896	ppb	6.4435	4.1	144.052
Sb 206.834	155.244	ppb	2.6850	1.7	136.542
Se 196.026	153.870	ppb	9.6035	6.2	41.7914
Sn 189.925	154.728	ppb	4.5083	2.9	66.1789
Sr 216.596	176.687	ppb	4.1042	2.3	1192.60
Ti 334.941	176.577	ppb	3.4429	1.9	33754.7
Tl 190.794	29.0429	ppb	2.8103	9.7	14.5583
V 292.401	168.098	ppb	3.9111	2.3	2216.33
Zn 206.200	179.414	ppb	4.5701	2.5	107.248

CRI (Samp) **8/29/2014, 6:05:40 PM** **Rack 1, Tube 44**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Replicates Concentration		
Ag 328.068	9.9700	10.4483	10.4114
Al 308.215	200.059	200.497	204.252
As 188.980	20.4567	21.8883	23.9235

Label	Replicates Concentration		
B 249.678	104.405	104.244	102.874
Ba 389.178	10.2905	10.4514	9.9891
Be 313.042	4.2425	4.2377	4.2822
Ca 370.602	530.6	526.0	540.4
Cd 226.502	4.9695	5.1286	5.0070
Co 228.615	10.3551	9.8850	10.4205
Cr 267.716	10.2860	10.3378	10.5947
Cu 324.754	20.7025	20.6041	20.7336
Fe 271.441	50.0701	54.4420	56.0136
K 766.491	1006.68	1004.28	1011.71
Mg 279.078	504.841	505.460	508.346
Mn 257.610	11.1489	11.1575	11.3462
Mo 202.032	10.9332	10.6687	10.2916
Na 330.237	925.814	882.662	980.350
Ni 231.604	41.8997	40.6672	41.9345
Pb 220.353	8.1883	12.0305	12.2552
Sb 206.834	18.4446	16.9905	18.7490
Se 196.026	19.0703	16.4431	20.4056
Sn 189.925	53.6200	45.8779	46.2812
Sr 216.596	10.6175	9.8683	9.8420
Ti 334.941	10.1112	10.0252	10.0750
Tl 190.794	22.5913	24.5251	25.7560
V 292.401	10.4739	10.5252	10.5227
Zn 206.200	22.8228	25.3025	19.8317

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	10.2765	ppb	0.2661	2.6	584.718
Al 308.215	201.603	ppb	2.3048	1.1	1288.85
As 188.980	22.0895	ppb	1.7421	7.9	5.8102
B 249.678	103.841	ppb	0.8410	0.8	1034.79
Ba 389.178	10.2437	ppb	0.2347	2.3	112.072
Be 313.042	4.2541	ppb	0.0244	0.6	3924.29
Ca 370.602	532.3	ppb	7.359	1.4	955.8
Cd 226.502	5.0350	ppb	0.0832	1.7	121.605
Co 228.615	10.2202	ppb	0.2921	2.9	66.3447
Cr 267.716	10.4062	ppb	0.1653	1.6	319.267
Cu 324.754	20.6801	ppb	0.0676	0.3	1171.46
Fe 271.441	53.5086	ppb	3.0797	5.8	38.3173
K 766.491	1007.56	ppb	3.7912	0.4	28724.8
Mg 279.078	506.216	ppb	1.8707	0.4	836.114
Mn 257.610	11.2175	ppb	0.1115	1.0	1419.46
Mo 202.032	10.6312	ppb	0.3224	3.0	46.5345
Na 330.237	929.608	ppb	48.9544	5.3	50.6850
Ni 231.604	41.5005	ppb	0.7218	1.7	75.0192
Pb 220.353	10.8247	ppb	2.2859	21.1	11.0387
Sb 206.834	18.0614	ppb	0.9398	5.2	17.1585
Se 196.026	18.6397	ppb	2.0160	10.8	6.8751
Sn 189.925	48.5930	ppb	4.3581	9.0	19.7123
Sr 216.596	10.1093	ppb	0.4404	4.4	68.3698
Ti 334.941	10.0705	ppb	0.0431	0.4	1938.59
Tl 190.794	24.2908	ppb	1.5953	6.6	12.3129
V 292.401	10.5073	ppb	0.0289	0.3	133.681
Zn 206.200	22.6523	ppb	2.7394	12.1	13.5568

mb 680-346362/1-a (Samp) **8/29/2014, 6:09:56 PM** **Rack 1, Tube 45**

Weight: 1 **Volume: 1** **Dilution: 1**

Label	Replicates Concentration		
Ag 328.068	-0.2536u	-0.1643u	-0.2183u
Al 308.215	5.5912	2.7264	2.1022
As 188.980	-8.4819u	-1.7486u	-2.7096u
B 249.678	1.2829	1.3950	0.4188
Ba 389.178	-0.6214u	-0.6264u	-1.3289u
Be 313.042	0.0072	0.0023	0.0135
Ca 370.602	12.51	14.55	13.76
Cd 226.502	-0.1283u	-0.0446u	-0.0161u
Co 228.615	-0.7307u	-0.4013u	0.4744
Cr 267.716	0.3487	0.2152	0.0260
Cu 324.754	-0.1050u	0.2533	0.0073
Fe 271.441	0.0140u	7.6095	1.6274
K 766.491	4.6654	4.1963	4.5307
Mg 279.078	2.2132	-4.3440u	-1.5759u
Mn 257.610	0.0064	0.0556	0.0403
Mo 202.032	-0.8004u	-0.6109u	0.0748
Na 330.237	101.501	-13.1632u	-80.1882u
Ni 231.604	-0.6686u	0.0231	-1.6081u
Pb 220.353	2.0781	-2.5028u	2.4826
Sb 206.834	-2.1685u	-2.8886u	-2.9409u
Se 196.026	-3.3722u	-3.4910u	-6.7735u
Sn 189.925	-0.0349u	-1.1002u	-0.7304u
Sr 216.596	-0.0236u	-0.1015u	-0.5066u
Ti 334.941	-0.0441u	-0.1080u	-0.0663u
Tl 190.794	-9.3935u	-7.6884u	-2.3798u
V 292.401	0.1917	-0.0261u	0.1335
Zn 206.200	1.0046	0.7740	0.8479

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.2121	ppb	0.0450	21.2	7.8060
Al 308.215	3.4733	ppb	1.8606	53.6	326.662
As 188.980	-4.3134	ppb	3.6419	84.4	-3.6401
B 249.678	1.0322	ppb	0.5342	51.8	85.1031
Ba 389.178	-0.8589	ppb	0.4070	47.4	-54.4432
Be 313.042	0.0077	ppb	0.0056	73.1	-238.665
Ca 370.602	13.60	ppb	1.029	7.6	44.82
Cd 226.502	-0.0630	ppb	0.0583	92.6	2.5822
Co 228.615	-0.2192	ppb	0.6228	284.1	7.3632
Cr 267.716	0.1966	ppb	0.1622	82.5	19.5942
Cu 324.754	0.0519	ppb	0.1832	353.4	342.354
Fe 271.441	3.0836	ppb	4.0017	129.8	-1.7100
K 766.491	4.4641	ppb	0.2415	5.4	301.208
Mg 279.078	-1.2356	ppb	3.2918	266.4	10.1985
Mn 257.610	0.0341	ppb	0.0252	73.8	36.3905
Mo 202.032	-0.4455	ppb	0.4605	103.4	2.4829
Na 330.237	2.7166	ppb	91.8796	3382.2	18.3494
Ni 231.604	-0.7512	ppb	0.8187	109.0	-2.8684
Pb 220.353	0.6860	ppb	2.7690	403.6	1.9838
Sb 206.834	-2.6660	ppb	0.4316	16.2	-0.8757
Se 196.026	-4.5456	ppb	1.9304	42.5	0.9384
Sn 189.925	-0.6218	ppb	0.5409	87.0	-1.8324
Sr 216.596	-0.2105	ppb	0.2593	123.2	-0.0051

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ti 334.941	-0.0728	ppb	0.0325	44.6	0.9481
Tl 190.794	-6.4872	ppb	3.6578	56.4	-6.4697
V 292.401	0.0997	ppb	0.1127	113.1	-3.6482
Zn 206.200	0.8755	ppb	0.1178	13.5	0.4653

lcs 680-346362/2-a (Samp) **8/29/2014, 6:14:13 PM** **Rack 1, Tube 46**

Weight: 1 **Volume: 1** **Dilution: 1**

Label	Replicates Concentration		
Ag 328.068	52.0867	52.2723	51.1513
Al 308.215	4852.14	4858.90	4833.58
As 188.980	102.224	98.4498	98.1553
B 249.678	192.325	193.976	193.396
Ba 389.178	99.3523	99.2502	99.5307
Be 313.042	52.3050	52.4739	52.1677
Ca 370.602	5027	5038	5001
Cd 226.502	49.8735	49.9184	49.8938
Co 228.615	51.3357	50.9466	51.0365
Cr 267.716	102.826	102.851	102.229
Cu 324.754	102.259	102.754	101.183
Fe 271.441	5025.08	5061.29	5009.21
K 766.491	4851.40	4856.34	4833.38
Mg 279.078	4832.55	4855.52	4811.89
Mn 257.610	534.887	536.759	532.399
Mo 202.032	102.363	103.242	101.525
Na 330.237	4867.48	4809.59	4809.77
Ni 231.604	100.650	99.5859	99.9348
Pb 220.353	52.0830	47.8843	51.8401
Sb 206.834	51.0208	45.1829	48.8904
Se 196.026	102.066	91.8270	92.9782
Sn 189.925	199.826	197.263	204.658
Sr 216.596	100.473	99.9859	101.139
Ti 334.941	101.268	101.503	101.001
Tl 190.794	37.7477	35.7405	33.6393
V 292.401	103.244	103.936	102.749
Zn 206.200	98.9809	101.386	102.600

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	51.8367	ppb	0.6008	1.2	2870.74
Al 308.215	4848.21	ppb	13.1115	0.3	23842.1
As 188.980	99.6097	ppb	2.2689	2.3	33.5537
B 249.678	193.233	ppb	0.8376	0.4	1854.29
Ba 389.178	99.3777	ppb	0.1420	0.1	1450.84
Be 313.042	52.3156	ppb	0.1534	0.3	51043.1
Ca 370.602	5022	ppb	18.75	0.4	8815
Cd 226.502	49.8952	ppb	0.0225	0.0	1184.52
Co 228.615	51.1063	ppb	0.2037	0.4	297.472
Cr 267.716	102.635	ppb	0.3524	0.3	3028.68
Cu 324.754	102.065	ppb	0.8031	0.8	4444.34
Fe 271.441	5031.86	ppb	26.6938	0.5	3925.68
K 766.491	4847.04	ppb	12.0840	0.2	137520
Mg 279.078	4833.32	ppb	21.8232	0.5	7872.88
Mn 257.610	534.682	ppb	2.1877	0.4	66076.9
Mo 202.032	102.377	ppb	0.8584	0.8	411.275

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Na 330.237	4828.95	ppb	33.3717	0.7	185.956
Ni 231.604	100.057	ppb	0.5423	0.5	183.177
Pb 220.353	50.6025	ppb	2.3571	4.7	46.7429
Sb 206.834	48.3647	ppb	2.9542	6.1	43.3975
Se 196.026	95.6239	ppb	5.6091	5.9	26.6734
Sn 189.925	200.582	ppb	3.7553	1.9	86.2486
Sr 216.596	100.533	ppb	0.5788	0.6	675.135
Ti 334.941	101.258	ppb	0.2509	0.2	19358.2
Tl 190.794	35.7092	ppb	2.0544	5.8	19.0318
V 292.401	103.309	ppb	0.5963	0.6	1359.59
Zn 206.200	100.989	ppb	1.8418	1.8	60.4315

680-104582-d-1-d (Samp) **8/29/2014, 6:18:29 PM** **Rack 1, Tube 47**

Weight: 1 **Volume: 1** **Dilution: 1**

Label	Replicates Concentration		
Ag 328.068	-0.2223u	0.1374u	-0.3717u
Al 308.215	307.498	310.722	309.141
As 188.980	-8.6975u	7.5682	-5.5443u
B 249.678	47.5692	47.8446	47.6558
Ba 389.178	71.4708	70.7828	71.0086
Be 313.042	0.0022	0.0019	-0.0005
Ca 370.602	261211	262576	260184
Cd 226.502	-0.4223	-0.2768	-0.6425
Co 228.615	-0.4499u	-0.8132u	-0.1194u
Cr 267.716	47.6310	47.6595	47.2536
Cu 324.754	8.0564	8.1815	7.8646
Fe 271.441	15446.9	15501.0	15452.6
K 766.491	1648.74	1653.23	1655.64
Mg 279.078	135810	135996	135659
Mn 257.610	245.056	245.357	245.209
Mo 202.032	7.0562	8.2440	7.7116
Na 330.237	25765.2	26036.8	26077.6
Ni 231.604	56.2920	55.9921	56.4216
Pb 220.353	0.0970	2.0099	2.1136
Sb 206.834	-1.7056u	-0.3286	0.5568
Se 196.026	3.1988	1.0634	-12.7617u
Sn 189.925	-8.1059u	-3.6872u	0.5410
Sr 216.596	499.577	500.307	497.192
Ti 334.941	14.0380	14.2391	14.1097
Tl 190.794	-8.9685u	-1.3779u	-6.0545u
V 292.401	5.0993	4.5787	4.7950
Zn 206.200	18.2483	20.5708	21.3409

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.1522	ppb	0.2617	171.9	-2.6295
Al 308.215	309.120	ppb	1.6121	0.5	1828.78
As 188.980	-2.2245	ppb	8.6261	387.8	-2.9465
B 249.678	47.6899	ppb	0.1408	0.3	496.187
Ba 389.178	71.0874	ppb	0.3507	0.5	1153.19
Be 313.042	0.0012	ppb	0.0015	121.2	-201.762
Ca 370.602	261324	ppb	1200	0.5	457547
Cd 226.502	-0.4472	ppb	0.1841	41.2	47.6581
Co 228.615	-0.4608	ppb	0.3470	75.3	6.6208

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Cr 267.716	47.5147	ppb	0.2265	0.5	1413.53
Cu 324.754	8.0342	ppb	0.1596	2.0	666.932
Fe 271.441	15466.8	ppb	29.7326	0.2	12064.1
K 766.491	1652.54	ppb	3.5043	0.2	47000.8
Mg 279.078	135822	ppb	169.106	0.1	221119
Mn 257.610	245.207	ppb	0.1505	0.1	30924.3
Mo 202.032	7.6706	ppb	0.5950	7.8	34.3377
Na 330.237	25959.9	ppb	169.844	0.7	926.532
Ni 231.604	56.2352	ppb	0.2203	0.4	102.987
Pb 220.353	1.4068	ppb	1.1356	80.7	3.2529
Sb 206.834	-0.4925	ppb	1.1401	231.5	1.5679
Se 196.026	-2.8332	ppb	8.6644	305.8	1.4868
Sn 189.925	-3.7507	ppb	4.3238	115.3	-3.1976
Sr 216.596	499.025	ppb	1.6294	0.3	3398.61
Ti 334.941	14.1289	ppb	0.1019	0.7	2869.26
Tl 190.794	-5.4670	ppb	3.8292	70.0	-6.9512
V 292.401	4.8243	ppb	0.2615	5.4	61.1517
Zn 206.200	20.0534	ppb	1.6100	8.0	11.5343

680-104582-d-1-dSD (Samp) **8/29/2014, 6:22:47 PM** **Rack 1, Tube 48**

Weight: 1 **Volume: 1** **Dilution: 1**

Label	Replicates Concentration		
Ag 328.068	-0.1625u	-0.5157u	-0.0944u
Al 308.215	61.1147	62.2562	62.2758
As 188.980	-1.0384u	-2.0017u	-7.1054u
B 249.678	7.1757	6.5726	6.9625
Ba 389.178	13.8573	13.5363	13.4653
Be 313.042	-0.0031	0.0068	0.0024
Ca 370.602	52370	52432	52317
Cd 226.502	-0.2504	-0.1167	-0.1245
Co 228.615	-0.2156u	-0.0517u	-0.8418u
Cr 267.716	9.3620	9.4444	9.7303
Cu 324.754	1.3520	1.1269	1.2549
Fe 271.441	3224.58	3227.15	3210.70
K 766.491	285.762	284.292	284.310
Mg 279.078	27289.3	27286.6	27160.7
Mn 257.610	50.4482	50.5171	50.3847
Mo 202.032	0.7380	1.2630	0.7690
Na 330.237	5035.38	4675.91	4829.95
Ni 231.604	11.4609	13.8097	11.6004
Pb 220.353	2.6195	1.4462	-1.5798u
Sb 206.834	-0.9033u	0.2252	-1.2675u
Se 196.026	1.9508	-3.8644u	-12.6567u
Sn 189.925	-3.6333u	-1.1532u	-0.9610u
Sr 216.596	103.485	103.520	102.304
Ti 334.941	2.7818	2.8843	2.7746
Tl 190.794	-2.3020u	1.5917	-1.0740u
V 292.401	0.9449	0.7119	1.0227
Zn 206.200	3.7329	3.4509	1.7499

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.2575	ppb	0.2261	87.8	2.4719
Al 308.215	61.8823	ppb	0.6648	1.1	614.023

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
As 188.980	-3.3819	ppb	3.2605	96.4	-3.3179
B 249.678	6.9036	ppb	0.3058	4.4	135.211
Ba 389.178	13.6196	ppb	0.2089	1.5	188.553
Be 313.042	0.0020	ppb	0.0050	248.7	-235.520
Ca 370.602	52373	ppb	57.34	0.1	91715
Cd 226.502	-0.1639	ppb	0.0751	45.8	11.4592
Co 228.615	-0.3697	ppb	0.4170	112.8	6.6455
Cr 267.716	9.5122	ppb	0.1933	2.0	294.070
Cu 324.754	1.2446	ppb	0.1129	9.1	391.068
Fe 271.441	3220.81	ppb	8.8531	0.3	2508.97
K 766.491	284.788	ppb	0.8437	0.3	8244.43
Mg 279.078	27245.5	ppb	73.4661	0.3	44365.6
Mn 257.610	50.4500	ppb	0.0662	0.1	6385.15
Mo 202.032	0.9233	ppb	0.2946	31.9	7.8385
Na 330.237	4847.08	ppb	180.346	3.7	187.792
Ni 231.604	12.2903	ppb	1.3177	10.7	21.3400
Pb 220.353	0.8286	ppb	2.1667	261.5	2.2412
Sb 206.834	-0.6485	ppb	0.7783	120.0	0.9973
Se 196.026	-4.8568	ppb	7.3541	151.4	0.8816
Sn 189.925	-1.9158	ppb	1.4904	77.8	-2.3980
Sr 216.596	103.103	ppb	0.6921	0.7	702.981
Ti 334.941	2.8136	ppb	0.0613	2.2	583.536
Tl 190.794	-0.5948	ppb	1.9906	334.7	-3.1035
V 292.401	0.8932	ppb	0.1617	18.1	7.3551
Zn 206.200	2.9779	ppb	1.0728	36.0	1.6329

Cont Calib Verif (CCV) **8/29/2014, 6:27:04 PM** **Rack 1, Tube 49**

Weight: 1 **Volume: 1** **Dilution: 1**

Label	Replicates Concentration		
Ag 328.068	511.117	515.334	508.937
Al 308.215	4909.52	4910.30	4923.87
As 188.980	499.989	489.704	487.178
B 249.678	493.920	495.807	498.927
Ba 389.178	5047.10	5031.67	5055.13
Be 313.042	519.830	519.375	520.606
Ca 370.602	5062	5048	5061
Cd 226.502	499.423	497.223	499.018
Co 228.615	507.091	505.518	503.954
Cr 267.716	5049.32	5040.32	5044.99
Cu 324.754	4950.38	4986.06	4929.52
Fe 271.441	5076.60	5072.41	5080.09
K 766.491	10120.5	10134.4	10147.8
Mg 279.078	4993.91	4959.51	4990.18
Mn 257.610	5134.67	5125.40	5136.73
Mo 202.032	505.345	501.824	506.237
Na 330.237	7465.20	7505.66	7410.21
Ni 231.604	2531.39	2526.86	2525.52
Pb 220.353	495.470	497.844	499.702
Sb 206.834	983.503	967.607	975.767
Se 196.026	4951.74	4929.46	4929.00
Sn 189.925	5061.83	5015.65	5016.58
Sr 216.596	2521.81	2516.24	2515.76
Ti 334.941	496.921	496.677	497.706

Label	Replicates Concentration		
Tl 190.794	5072.62	5063.39	5061.01
V 292.401	5115.07	5101.22	5114.55
Zn 206.200	2490.14	2479.32	2508.12

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Ag 328.068	511.796	ppb	3.2524	0.6	28149.0	102.35921
Al 308.215	4914.56	ppb	8.0706	0.2	24536.3	98.29125
As 188.980	492.290	ppb	6.7856	1.4	174.055	98.45803
B 249.678	496.218	ppb	2.5284	0.5	4660.48	99.24356
Ba 389.178	5044.63	ppb	11.9258	0.2	75386.5	100.89265
Be 313.042	519.937	ppb	0.6223	0.1	509646	103.98740
Ca 370.602	5057	ppb	7.800	0.2	9080	101.14025
Cd 226.502	498.555	ppb	1.1704	0.2	11643.8	99.71091
Co 228.615	505.521	ppb	1.5688	0.3	2869.54	101.10423
Cr 267.716	5044.88	ppb	4.5001	0.1	148088	100.89753
Cu 324.754	4955.32	ppb	28.5918	0.6	199439	99.10648
Fe 271.441	5076.37	ppb	3.8439	0.1	4012.54	101.52731
K 766.491	10134.2	ppb	13.6641	0.1	287337	101.34226
Mg 279.078	4981.20	ppb	18.8791	0.4	8057.06	99.62399
Mn 257.610	5132.27	ppb	6.0358	0.1	633724	102.64531
Mo 202.032	504.469	ppb	2.3333	0.5	2007.50	100.89371
Na 330.237	7460.36	ppb	47.9079	0.6	259.649	99.47142
Ni 231.604	2527.92	ppb	3.0766	0.1	4658.82	101.11691
Pb 220.353	497.672	ppb	2.1215	0.4	448.631	99.53439
Sb 206.834	975.626	ppb	7.9491	0.8	882.827	97.56255
Se 196.026	4936.73	ppb	12.9997	0.3	1266.49	98.73466
Sn 189.925	5031.35	ppb	26.3978	0.5	2200.99	100.62703
Sr 216.596	2517.93	ppb	3.3617	0.1	16784.1	100.71738
Ti 334.941	497.101	ppb	0.5377	0.1	94953.7	99.42025
Tl 190.794	5065.67	ppb	6.1327	0.1	3093.56	101.31341
V 292.401	5110.28	ppb	7.8489	0.2	67785.1	102.20567
Zn 206.200	2492.53	ppb	14.5450	0.6	1491.76	99.70104

Cont Calib Blank (CCB) **8/29/2014, 6:31:19 PM** **Rack 1, Tube 50**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Replicates Concentration		
Ag 328.068	-0.0330u	-0.1431u	-0.0514u
Al 308.215	1.5129	0.0596	1.5552
As 188.980	-3.7628u	5.3484	-6.2529u
B 249.678	6.0338	4.7285	3.3507
Ba 389.178	0.3029	-0.4206u	0.4587
Be 313.042	0.0161	0.0143	0.0223
Ca 370.602	-1.703u	4.394	3.862
Cd 226.502	-0.1768u	-0.0194u	0.0729
Co 228.615	-0.2992u	-0.1113u	-0.6972u
Cr 267.716	0.0952	0.0774	0.1165
Cu 324.754	-0.1648u	0.0925	0.0953
Fe 271.441	1.6043	-3.5098u	0.7652
K 766.491	2.9220	2.5010	2.7966
Mg 279.078	-1.1572u	2.6908	3.2797
Mn 257.610	0.1546	0.2344	0.3168
Mo 202.032	-0.1619u	0.2897	-0.0741u
Na 330.237	-44.5686u	29.0930	-160.432u

Label	Replicates Concentration		
Ni 231.604	0.0564	0.0168	-0.9212u
Pb 220.353	-0.7276u	-0.9291u	1.1305
Sb 206.834	3.2818	2.7749	-0.8699u
Se 196.026	-6.3305u	-5.8602u	-1.9084u
Sn 189.925	-0.7041u	-1.7094u	1.9638
Sr 216.596	0.1690	0.3302	0.5266
Ti 334.941	-0.0234u	-0.0286u	-0.0080u
Tl 190.794	-1.8423u	-0.4880u	0.9981
V 292.401	-0.0072u	0.2772	0.2751
Zn 206.200	-0.8326u	-1.0572u	0.8523

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Ag 328.068	-0.0758	ppb	0.0590	77.8	15.2891	-0.07582
Al 308.215	1.0426	ppb	0.8515	81.7	314.897	1.04257
As 188.980	-1.5558	ppb	6.1074	392.6	-2.6531	-1.55577
B 249.678	4.7043	ppb	1.3417	28.5	119.044	4.70435
Ba 389.178	0.1137	ppb	0.4692	412.8	-39.9019	0.11367
Be 313.042	0.0176	ppb	0.0042	23.8	-229.022	0.01757
Ca 370.602	2.184	ppb	3.377	154.6	24.84	2.18407
Cd 226.502	-0.0411	ppb	0.1263	307.0	3.0881	-0.04113
Co 228.615	-0.3693	ppb	0.2992	81.0	6.5075	-0.36925
Cr 267.716	0.0964	ppb	0.0196	20.3	16.6497	0.09637
Cu 324.754	0.0077	ppb	0.1493	1944.2	340.590	0.00768
Fe 271.441	-0.3801	ppb	2.7427	721.5	-4.3936	-0.38012
K 766.491	2.7399	ppb	0.2162	7.9	252.350	2.73986
Mg 279.078	1.6045	ppb	2.4097	150.2	14.8202	1.60446
Mn 257.610	0.2353	ppb	0.0811	34.5	61.2324	0.23526
Mo 202.032	0.0179	ppb	0.2394	1336.7	4.3262	0.01791
Na 330.237	-58.6359	ppb	95.5425	162.9	16.2021	-58.63594
Ni 231.604	-0.2827	ppb	0.5534	195.8	-2.0051	-0.28266
Pb 220.353	-0.1754	ppb	1.1354	647.4	1.2134	-0.17537
Sb 206.834	1.7290	ppb	2.2649	131.0	2.9493	1.72896
Se 196.026	-4.6997	ppb	2.4287	51.7	0.8990	-4.69971
Sn 189.925	-0.1499	ppb	1.8982	1266.2	-1.6258	-0.14992
Sr 216.596	0.3419	ppb	0.1791	52.4	3.6769	0.34191
Ti 334.941	-0.0200	ppb	0.0107	53.6	11.0387	-0.02000
Tl 190.794	-0.4441	ppb	1.4207	319.9	-2.7833	-0.44409
V 292.401	0.1817	ppb	0.1636	90.1	-2.5994	0.18168
Zn 206.200	-0.3458	ppb	1.0437	301.8	-0.2698	-0.34583

680-104582-d-1-dPDS (Samp) **8/29/2014, 6:35:34 PM** **Rack 1, Tube 51**

Weight: 1 **Volume: 1** **Dilution: 1**

Label	Replicates Concentration		
Ag 328.068	52.0802	51.9185	52.0303
Al 308.215	2630.63	2662.42	2656.63
As 188.980	218.489	226.585	227.411
B 249.678	594.103	603.945	606.349
Ba 389.178	296.072	301.396	299.476
Be 313.042	56.7759	57.3294	57.3164
Ca 370.602	293106	295628	295647
Cd 226.502	53.0163	53.8897	53.5627
Co 228.615	215.966	219.747	216.310
Cr 267.716	269.943	273.524	272.673

Label	Replicates Concentration		
Cu 324.754	245.255	248.714	246.112
Fe 271.441	19241.1	19459.1	19392.6
K 766.491	4647.22	4698.65	4709.18
Mg 279.078	153433	154917	154681
Mn 257.610	501.022	506.022	505.053
Mo 202.032	228.286	229.252	229.223
Na 330.237	31902.3	32255.2	32228.0
Ni 231.604	275.542	271.650	277.815
Pb 220.353	213.155	210.550	216.438
Sb 206.834	210.060	211.300	213.556
Se 196.026	222.202	226.634	215.418
Sn 189.925	225.943	222.028	219.427
Sr 216.596	773.547	780.725	780.028
Ti 334.941	233.976	236.455	236.421
Tl 190.794	201.964	202.494	210.547
V 292.401	226.886	228.118	228.500
Zn 206.200	231.932	232.932	234.431

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	52.0097	ppb	0.0828	0.2	2861.80
Al 308.215	2649.89	ppb	16.9319	0.6	13210.8
As 188.980	224.162	ppb	4.9297	2.2	78.0554
B 249.678	601.465	ppb	6.4885	1.1	5607.81
Ba 389.178	298.982	ppb	2.6965	0.9	4579.74
Be 313.042	57.1406	ppb	0.3158	0.6	55816.2
Ca 370.602	294794	ppb	1462	0.5	516196
Cd 226.502	53.4896	ppb	0.4413	0.8	1318.61
Co 228.615	217.341	ppb	2.0912	1.0	1237.79
Cr 267.716	272.047	ppb	1.8708	0.7	8005.05
Cu 324.754	246.694	ppb	1.8016	0.7	10261.4
Fe 271.441	19364.2	ppb	111.742	0.6	15119.3
K 766.491	4685.02	ppb	33.1524	0.7	132929
Mg 279.078	154344	ppb	797.541	0.5	251267
Mn 257.610	504.033	ppb	2.6518	0.5	62967.9
Mo 202.032	228.920	ppb	0.5496	0.2	914.155
Na 330.237	32128.5	ppb	196.375	0.6	1140.42
Ni 231.604	275.003	ppb	3.1176	1.1	506.215
Pb 220.353	213.381	ppb	2.9508	1.4	192.703
Sb 206.834	211.639	ppb	1.7720	0.8	185.845
Se 196.026	221.418	ppb	5.6489	2.6	58.9436
Sn 189.925	222.466	ppb	3.2799	1.5	95.8333
Sr 216.596	778.100	ppb	3.9583	0.5	5267.87
Ti 334.941	235.617	ppb	1.4216	0.6	45189.0
Tl 190.794	205.001	ppb	4.8098	2.3	121.384
V 292.401	227.835	ppb	0.8436	0.4	3005.55
Zn 206.200	233.098	ppb	1.2578	0.5	139.308

680-104582-d-1-e ms (Samp) **8/29/2014, 6:39:48 PM** **Rack 1, Tube 52**

Weight: 1 **Volume: 1** **Dilution: 1**

Label	Replicates Concentration		
Ag 328.068	54.4941	54.9533	54.6749
Al 308.215	5666.95	5686.03	5704.45
As 188.980	103.039	106.846	115.390

Label	Replicates Concentration		
B 249.678	262.844	264.781	263.576
Ba 389.178	174.430	174.271	175.011
Be 313.042	52.9163	53.2269	53.1387
Ca 370.602	274651	274966	271222
Cd 226.502	48.8674	48.9717	49.2962
Co 228.615	51.0554	50.8285	49.7017
Cr 267.716	160.931	162.929	161.887
Cu 324.754	117.840	118.183	118.852
Fe 271.441	20935.2	20990.6	20965.6
K 766.491	8122.90	8172.94	8150.44
Mg 279.078	144101	144773	144948
Mn 257.610	777.452	780.883	779.785
Mo 202.032	109.252	111.103	111.842
Na 330.237	32422.3	32783.9	33162.9
Ni 231.604	160.491	161.425	162.088
Pb 220.353	48.1725	52.9307	48.9406
Sb 206.834	58.9846	53.3364	55.9493
Se 196.026	111.158	93.8849	100.962
Sn 189.925	195.788	199.303	203.885
Sr 216.596	610.918	612.420	612.886
Ti 334.941	116.107	116.664	116.846
Tl 190.794	32.4112	31.5372	38.4989
V 292.401	110.659	109.985	109.778
Zn 206.200	118.430	121.034	116.292

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	54.7075	ppb	0.2313	0.4	3014.57
Al 308.215	5685.81	ppb	18.7503	0.3	27925.1
As 188.980	108.425	ppb	6.3251	5.8	36.6565
B 249.678	263.734	ppb	0.9780	0.4	2485.08
Ba 389.178	174.571	ppb	0.3896	0.2	2710.90
Be 313.042	53.0939	ppb	0.1601	0.3	51850.8
Ca 370.602	273613	ppb	2077	0.8	479064
Cd 226.502	49.0451	ppb	0.2236	0.5	1220.32
Co 228.615	50.5285	ppb	0.7250	1.4	294.867
Cr 267.716	161.916	ppb	0.9995	0.6	4773.90
Cu 324.754	118.291	ppb	0.5149	0.4	5100.30
Fe 271.441	20963.8	ppb	27.7683	0.1	16356.8
K 766.491	8148.76	ppb	25.0612	0.3	231077
Mg 279.078	144607	ppb	447.244	0.3	235413
Mn 257.610	779.373	ppb	1.7520	0.2	96923.5
Mo 202.032	110.732	ppb	1.3342	1.2	444.068
Na 330.237	32789.7	ppb	370.351	1.1	1164.40
Ni 231.604	161.334	ppb	0.8023	0.5	296.967
Pb 220.353	50.0146	ppb	2.5545	5.1	46.8602
Sb 206.834	56.0901	ppb	2.8267	5.0	50.7707
Se 196.026	102.002	ppb	8.6832	8.5	28.4182
Sn 189.925	199.659	ppb	4.0601	2.0	85.8492
Sr 216.596	612.075	ppb	1.0282	0.2	4157.78
Ti 334.941	116.539	ppb	0.3852	0.3	22437.3
Tl 190.794	34.1491	ppb	3.7923	11.1	16.9424
V 292.401	110.141	ppb	0.4610	0.4	1452.22
Zn 206.200	118.585	ppb	2.3748	2.0	70.5165

680-104582-d-1-f msd (Samp) **8/29/2014, 6:44:04 PM** **Rack 1, Tube 53**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Replicates Concentration		
Ag 328.068	53.7120	53.4836	53.8890
Al 308.215	5567.54	5555.65	5567.33
As 188.980	109.751	109.949	105.047
B 249.678	252.409	253.367	254.840
Ba 389.178	172.666	170.320	171.365
Be 313.042	51.5465	51.4962	51.6220
Ca 370.602	274060	272835	274170
Cd 226.502	47.7752	48.2193	47.7720
Co 228.615	48.6054	48.3626	49.1259
Cr 267.716	158.560	158.827	159.507
Cu 324.754	116.525	115.694	116.389
Fe 271.441	20807.7	20772.4	20840.8
K 766.491	8003.29	7973.22	7969.70
Mg 279.078	144992	144753	145035
Mn 257.610	765.083	764.930	766.693
Mo 202.032	108.618	108.184	109.672
Na 330.237	32532.2	32980.1	32675.4
Ni 231.604	160.696	159.501	159.951
Pb 220.353	46.3954	53.6339	44.8420
Sb 206.834	51.2184	52.7829	49.8400
Se 196.026	97.8787	96.2073	92.2407
Sn 189.925	191.989	197.844	195.730
Sr 216.596	609.958	610.874	609.272
Ti 334.941	114.411	113.841	114.172
Tl 190.794	34.5132	43.1087	34.9044
V 292.401	107.586	107.331	106.556
Zn 206.200	111.337	117.860	115.927

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	53.6949	ppb	0.2032	0.4	2958.88
Al 308.215	5563.51	ppb	6.8053	0.1	27331.4
As 188.980	108.249	ppb	2.7752	2.6	36.5936
B 249.678	253.539	ppb	1.2246	0.5	2391.04
Ba 389.178	171.450	ppb	1.1757	0.7	2664.50
Be 313.042	51.5549	ppb	0.0633	0.1	50341.9
Ca 370.602	273689	ppb	741.1	0.3	479196
Cd 226.502	47.9222	ppb	0.2574	0.5	1193.65
Co 228.615	48.6980	ppb	0.3900	0.8	284.509
Cr 267.716	158.965	ppb	0.4886	0.3	4687.22
Cu 324.754	116.203	ppb	0.4455	0.4	5016.32
Fe 271.441	20807.0	ppb	34.1869	0.2	16234.3
K 766.491	7982.07	ppb	18.4620	0.2	226354
Mg 279.078	144927	ppb	151.852	0.1	235934
Mn 257.610	765.569	ppb	0.9765	0.1	95220.3
Mo 202.032	108.825	ppb	0.7653	0.7	436.487
Na 330.237	32729.2	ppb	228.749	0.7	1162.33
Ni 231.604	160.049	ppb	0.6033	0.4	294.594
Pb 220.353	48.2904	ppb	4.6923	9.7	45.3141
Sb 206.834	51.2804	ppb	1.4724	2.9	46.5706
Se 196.026	95.4422	ppb	2.8958	3.0	26.7367
Sn 189.925	195.188	ppb	2.9653	1.5	83.8919
Sr 216.596	610.035	ppb	0.8036	0.1	4144.12

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ti 334.941	114.141	ppb	0.2864	0.3	21979.7
Tl 190.794	37.5088	ppb	4.8536	12.9	18.9963
V 292.401	107.158	ppb	0.5366	0.5	1412.74
Zn 206.200	115.042	ppb	3.3508	2.9	68.3922

680-104639-b-1-b (Samp) **8/29/2014, 6:48:19 PM** **Rack 1, Tube 54**

Weight: 1 **Volume: 1** **Dilution: 1**

Label	Replicates Concentration		
Ag 328.068	-0.2538u	-0.2328u	-0.1071u
Al 308.215	71.0671	69.7462	72.0677
As 188.980	-8.0428u	0.2260	-6.2359u
B 249.678	32.9821	32.2417	31.6358
Ba 389.178	58.7017	58.7562	58.6827
Be 313.042	0.3202	0.3214	0.3172
Ca 370.602	6943	6947	6954
Cd 226.502	-0.4407	-0.4149	-0.2972
Co 228.615	6.8677	8.1792	7.1809
Cr 267.716	-0.0198	-0.2465u	0.3454
Cu 324.754	0.6995	0.6192	0.7867
Fe 271.441	13226.6	13170.4	13220.5
K 766.491	2108.79	2100.04	2109.21
Mg 279.078	2462.02	2444.85	2457.89
Mn 257.610	217.434	216.786	217.378
Mo 202.032	-1.0079u	-0.1074u	-0.6639u
Na 330.237	27348.3	27316.7	27402.0
Ni 231.604	2.1006	4.5068	1.9143
Pb 220.353	1.8124	2.5059	1.3181
Sb 206.834	-1.7784u	-1.9852u	-1.1688u
Se 196.026	0.8721	3.7336	2.0610
Sn 189.925	-2.2055u	-4.1531u	-3.7811u
Sr 216.596	46.5139	45.5902	45.1180
Ti 334.941	-0.1452u	-0.0102	-0.0764u
Tl 190.794	-5.7893u	-1.0591u	-1.0836u
V 292.401	0.0255	0.1081	0.1115
Zn 206.200	28.5297	28.1499	25.6762

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.1979	ppb	0.0793	40.1	6.8000
Al 308.215	70.9603	ppb	1.1644	1.6	670.155
As 188.980	-4.6843	ppb	4.3473	92.8	-3.8191
B 249.678	32.2865	ppb	0.6743	2.1	356.818
Ba 389.178	58.7135	ppb	0.0381	0.1	843.267
Be 313.042	0.3196	ppb	0.0022	0.7	66.5252
Ca 370.602	6948	ppb	5.660	0.1	12094
Cd 226.502	-0.3843	ppb	0.0765	19.9	40.2974
Co 228.615	7.4093	ppb	0.6849	9.2	50.9427
Cr 267.716	0.0264	ppb	0.2986	1132.6	18.8728
Cu 324.754	0.7018	ppb	0.0838	11.9	371.608
Fe 271.441	13205.8	ppb	30.8088	0.2	10300.3
K 766.491	2106.01	ppb	5.1770	0.2	59850.4
Mg 279.078	2454.92	ppb	8.9618	0.4	4005.97
Mn 257.610	217.199	ppb	0.3589	0.2	26882.1
Mo 202.032	-0.5931	ppb	0.4544	76.6	1.5328

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Na 330.237	27355.7	ppb	43.1406	0.2	975.883
Ni 231.604	2.8406	ppb	1.4460	50.9	4.4151
Pb 220.353	1.8788	ppb	0.5966	31.8	3.5741
Sb 206.834	-1.6441	ppb	0.4245	25.8	0.2771
Se 196.026	2.2222	ppb	1.4376	64.7	2.7652
Sn 189.925	-3.3799	ppb	1.0339	30.6	-3.0351
Sr 216.596	45.7407	ppb	0.7100	1.6	317.040
Ti 334.941	-0.0773	ppb	0.0675	87.4	2.6037
Tl 190.794	-2.6440	ppb	2.7239	103.0	-5.0435
V 292.401	0.0817	ppb	0.0487	59.6	-1.5311
Zn 206.200	27.4519	ppb	1.5495	5.6	16.1276

680-104639-b-2-b (Samp) **8/29/2014, 6:52:35 PM** **Rack 1, Tube 55**

Weight: 1 **Volume: 1** **Dilution: 1**

Label	Replicates Concentration		
Ag 328.068	-0.1753u	-0.5005u	-0.1180u
Al 308.215	85.1903	83.7350	85.2761
As 188.980	2.4310	-0.5678u	-4.1964u
B 249.678	30.7775	30.9136	30.6171
Ba 389.178	57.7854	59.0252	58.0531
Be 313.042	0.3880	0.3880	0.3932
Ca 370.602	8345	8351	8426
Cd 226.502	-0.4743	-0.4683	-0.3869
Co 228.615	11.0440	10.9280	10.5169
Cr 267.716	0.1995	-0.0341	0.0122
Cu 324.754	2.4972	2.7294	2.6891
Fe 271.441	12406.3	12381.0	12470.5
K 766.491	2217.96	2207.48	2212.62
Mg 279.078	2494.55	2494.46	2490.94
Mn 257.610	217.313	216.890	217.921
Mo 202.032	-0.0909u	0.0025u	-0.0931u
Na 330.237	52026.7	52110.1	51979.6
Ni 231.604	2.3528	1.0547	2.3225
Pb 220.353	2.3632	-1.8651u	0.7131
Sb 206.834	3.9547	-0.4982u	-0.1559
Se 196.026	7.6685	7.8529	0.2509
Sn 189.925	-4.7907u	-0.7569u	-4.1332u
Sr 216.596	61.1657	59.6311	61.3804
Ti 334.941	0.0933	-0.0021	-0.0089u
Tl 190.794	-0.8724u	-4.7514u	-3.3423u
V 292.401	0.2576	0.2707	-0.1376
Zn 206.200	28.5691	28.5494	24.9104

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.2646	ppb	0.2063	78.0	2.8818
Al 308.215	84.7338	ppb	0.8661	1.0	736.013
As 188.980	-0.7777	ppb	3.3187	426.7	-2.4180
B 249.678	30.7694	ppb	0.1484	0.5	343.826
Ba 389.178	58.2879	ppb	0.6523	1.1	836.655
Be 313.042	0.3897	ppb	0.0030	0.8	134.154
Ca 370.602	8374	ppb	45.09	0.5	14597
Cd 226.502	-0.4432	ppb	0.0488	11.0	36.1704
Co 228.615	10.8296	ppb	0.2770	2.6	70.2516

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Cr 267.716	0.0592	ppb	0.1237	209.0	19.8824
Cu 324.754	2.6386	ppb	0.1241	4.7	449.261
Fe 271.441	12419.3	ppb	46.1860	0.4	9686.76
K 766.491	2212.69	ppb	5.2401	0.2	62873.2
Mg 279.078	2493.31	ppb	2.0563	0.1	4068.48
Mn 257.610	217.375	ppb	0.5179	0.2	26902.5
Mo 202.032	-0.0605	ppb	0.0546	90.2	3.6725
Na 330.237	52038.8	ppb	66.0546	0.1	1842.36
Ni 231.604	1.9100	ppb	0.7409	38.8	2.6550
Pb 220.353	0.4037	ppb	2.1310	527.8	2.2251
Sb 206.834	1.1002	ppb	2.4780	225.2	2.6504
Se 196.026	5.2574	ppb	4.3367	82.5	3.5383
Sn 189.925	-3.2270	ppb	2.1642	67.1	-2.9639
Sr 216.596	60.7258	ppb	0.9540	1.6	416.931
Ti 334.941	0.0275	ppb	0.0572	208.2	21.3802
Tl 190.794	-2.9887	ppb	1.9635	65.7	-5.1904
V 292.401	0.1302	ppb	0.2320	178.1	-1.1578
Zn 206.200	27.3430	ppb	2.1067	7.7	16.0816

680-104639-b-3-b (Samp) **8/29/2014, 6:56:51 PM** **Rack 1, Tube 56**

Weight: 1 **Volume: 1** **Dilution: 1**

Label	Replicates Concentration		
Ag 328.068	-0.3309u	-0.1465u	-0.3105u
Al 308.215	94.9267	94.6673	94.8827
As 188.980	2.9965	-7.1327u	-9.5559u
B 249.678	30.1822	29.7102	30.2863
Ba 389.178	61.7919	61.9985	61.9987
Be 313.042	0.3851	0.3743	0.3784
Ca 370.602	8694	8705	8738
Cd 226.502	-0.4753	-0.2982	-0.2208
Co 228.615	10.4149	10.3575	10.6851
Cr 267.716	0.4508	0.4658	0.6017
Cu 324.754	1.3206	1.3438	1.5316
Fe 271.441	12085.9	12077.6	12123.3
K 766.491	2315.52	2322.20	2329.76
Mg 279.078	2539.23	2549.09	2552.56
Mn 257.610	224.950	225.223	225.820
Mo 202.032	-0.5750u	-0.4338u	-0.6594u
Na 330.237	50683.5	50762.7	51078.8
Ni 231.604	3.4051	4.3890	3.5942
Pb 220.353	2.3123	-1.8340u	0.2557
Sb 206.834	-1.2088u	-2.6431u	-4.5126u
Se 196.026	-7.5716u	-5.6580u	-8.4975u
Sn 189.925	-4.0512u	-1.2259u	-5.3642u
Sr 216.596	62.3317	62.1215	62.5638
Ti 334.941	0.9999	0.8938	0.8312
Tl 190.794	-1.3230u	-0.0938u	-4.2749u
V 292.401	0.5397	0.0688	0.3398
Zn 206.200	30.9499	30.0086	27.0904

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.2627	ppb	0.1011	38.5	3.0280
Al 308.215	94.8256	ppb	0.1388	0.1	784.547

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
As 188.980	-4.5640	ppb	6.6587	145.9	-3.7720
B 249.678	30.0596	ppb	0.3070	1.0	337.666
Ba 389.178	61.9297	ppb	0.1193	0.2	891.021
Be 313.042	0.3792	ppb	0.0054	1.4	124.031
Ca 370.602	8712	ppb	22.77	0.3	15192
Cd 226.502	-0.3314	ppb	0.1304	39.4	37.6407
Co 228.615	10.4858	ppb	0.1749	1.7	68.3119
Cr 267.716	0.5061	ppb	0.0831	16.4	32.9243
Cu 324.754	1.3987	ppb	0.1157	8.3	399.346
Fe 271.441	12095.6	ppb	24.3439	0.2	9434.21
K 766.491	2322.49	ppb	7.1239	0.3	65984.6
Mg 279.078	2546.96	ppb	6.9178	0.3	4155.71
Mn 257.610	225.331	ppb	0.4452	0.2	27884.5
Mo 202.032	-0.5560	ppb	0.1140	20.5	1.7104
Na 330.237	50841.7	ppb	209.146	0.4	1800.38
Ni 231.604	3.7961	ppb	0.5221	13.8	6.1156
Pb 220.353	0.2447	ppb	2.0732	847.4	2.0714
Sb 206.834	-2.7882	ppb	1.6567	59.4	-0.7389
Se 196.026	-7.2424	ppb	1.4481	20.0	0.3379
Sn 189.925	-3.5471	ppb	2.1147	59.6	-3.1042
Sr 216.596	62.3390	ppb	0.2212	0.4	427.528
Ti 334.941	0.9083	ppb	0.0853	9.4	189.685
Tl 190.794	-1.8972	ppb	2.1489	113.3	-4.4963
V 292.401	0.3161	ppb	0.2363	74.8	1.2912
Zn 206.200	29.3496	ppb	2.0124	6.9	17.2975

680-104639-b-4-b (Samp) **8/29/2014, 7:01:08 PM** **Rack 1, Tube 57**

Weight: 1 **Volume: 1** **Dilution: 1**

Label	Replicates Concentration		
Ag 328.068	-0.1542u	-0.1357u	-0.1698u
Al 308.215	96.1217	94.8115	95.7225
As 188.980	-6.2091u	-4.8368u	-1.7872u
B 249.678	27.9828	28.5232	28.5854
Ba 389.178	60.4892	59.4028	60.1029
Be 313.042	0.3893	0.3829	0.3947
Ca 370.602	8499	8408	8395
Cd 226.502	-0.4236	-0.1821	-0.3452
Co 228.615	10.5391	9.9526	9.2548
Cr 267.716	0.5876	0.5981	0.7955
Cu 324.754	1.0931	1.2569	1.0218
Fe 271.441	12408.1	12306.0	12308.4
K 766.491	2295.65	2280.71	2276.61
Mg 279.078	2497.14	2487.14	2478.46
Mn 257.610	218.357	216.862	216.505
Mo 202.032	-0.2355u	-0.1278u	-0.3704u
Na 330.237	51074.4	51174.3	51133.7
Ni 231.604	2.2721	2.0982	2.2116
Pb 220.353	-2.1018u	-1.7144u	-0.0142
Sb 206.834	1.4892	1.4848	-2.2581u
Se 196.026	1.7129	-2.0186u	-1.7364u
Sn 189.925	-4.4797u	-3.7814u	-1.5913u
Sr 216.596	59.9721	59.4356	59.9995
Ti 334.941	0.8691	0.7749	0.9040

Label	Replicates Concentration		
Tl 190.794	-0.0738u	-2.2912u	-3.8748u
V 292.401	0.5729	0.6029	0.4871
Zn 206.200	28.8022	26.3603	28.1050

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.1532	ppb	0.0171	11.1	9.0444
Al 308.215	95.5519	ppb	0.6716	0.7	788.395
As 188.980	-4.2777	ppb	2.2633	52.9	-3.6704
B 249.678	28.3638	ppb	0.3314	1.2	321.717
Ba 389.178	59.9983	ppb	0.5507	0.9	862.187
Be 313.042	0.3890	ppb	0.0059	1.5	133.513
Ca 370.602	8434	ppb	56.36	0.7	14703
Cd 226.502	-0.3170	ppb	0.1232	38.9	38.8040
Co 228.615	9.9155	ppb	0.6430	6.5	65.0920
Cr 267.716	0.6604	ppb	0.1171	17.7	37.4944
Cu 324.754	1.1239	ppb	0.1205	10.7	388.365
Fe 271.441	12340.8	ppb	58.2699	0.5	9625.51
K 766.491	2284.32	ppb	10.0203	0.4	64902.9
Mg 279.078	2487.58	ppb	9.3469	0.4	4059.14
Mn 257.610	217.241	ppb	0.9826	0.5	26885.9
Mo 202.032	-0.2446	ppb	0.1216	49.7	2.9426
Na 330.237	51127.4	ppb	50.2466	0.1	1810.38
Ni 231.604	2.1940	ppb	0.0883	4.0	3.1751
Pb 220.353	-1.2768	ppb	1.1105	87.0	0.7198
Sb 206.834	0.2386	ppb	2.1623	906.1	1.9036
Se 196.026	-0.6807	ppb	2.0777	305.2	2.0177
Sn 189.925	-3.2841	ppb	1.5070	45.9	-2.9891
Sr 216.596	59.8024	ppb	0.3179	0.5	410.708
Ti 334.941	0.8493	ppb	0.0668	7.9	178.376
Tl 190.794	-2.0799	ppb	1.9093	91.8	-4.6297
V 292.401	0.5543	ppb	0.0601	10.8	4.4820
Zn 206.200	27.7559	ppb	1.2578	4.5	16.3316

680-104639-b-5-b (Samp) **8/29/2014, 7:05:24 PM** **Rack 1, Tube 58**

Weight: 1 **Volume: 1** **Dilution: 1**

Label	Replicates Concentration		
Ag 328.068	-0.2024u	-0.3359u	-0.0728u
Al 308.215	170.724	171.600	171.249
As 188.980	-9.8643u	-1.2645u	1.2538
B 249.678	40.7022	41.4756	40.3350
Ba 389.178	67.0641	68.2159	67.0762
Be 313.042	0.7882	0.8039	0.7993
Ca 370.602	14699	14746	14701
Cd 226.502	-0.5414	-0.5685	-0.4450
Co 228.615	25.3164	26.8939	27.6582
Cr 267.716	79.8870	80.1888	79.5142
Cu 324.754	42.4682	42.9907	42.4960
Fe 271.441	14983.6	15046.2	15006.2
K 766.491	2493.55	2497.09	2492.70
Mg 279.078	3004.32	3007.59	3018.14
Mn 257.610	283.817	284.636	283.426
Mo 202.032	5.9481	6.1519	5.9858
Na 330.237	50295.5	50418.7	50100.2

Label	Replicates Concentration		
Ni 231.604	155.726	156.119	155.141
Pb 220.353	4.6051	5.3683	6.3287
Sb 206.834	-1.4838u	-1.3492u	-0.9147u
Se 196.026	-7.3579u	-2.7511u	5.4114
Sn 189.925	1.0862	-5.9455u	0.2481
Sr 216.596	116.739	117.263	117.035
Ti 334.941	0.4546	0.4690	0.5191
Tl 190.794	-3.3614u	0.8160u	-4.2877u
V 292.401	2.2985	1.8739	1.6696
Zn 206.200	367.988	369.569	362.180

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.2037	ppb	0.1315	64.6	4.9493
Al 308.215	171.191	ppb	0.4409	0.3	1158.81
As 188.980	-3.2917	ppb	5.8296	177.1	-3.3274
B 249.678	40.8376	ppb	0.5822	1.4	433.494
Ba 389.178	67.4520	ppb	0.6615	1.0	975.105
Be 313.042	0.7971	ppb	0.0081	1.0	534.357
Ca 370.602	14715	ppb	26.58	0.2	25684
Cd 226.502	-0.5183	ppb	0.0649	12.5	43.2745
Co 228.615	26.6228	ppb	1.1942	4.5	159.648
Cr 267.716	79.8633	ppb	0.3379	0.4	2363.33
Cu 324.754	42.6516	ppb	0.2940	0.7	2057.90
Fe 271.441	15012.0	ppb	31.6618	0.2	11710.8
K 766.491	2494.45	ppb	2.3302	0.1	70857.1
Mg 279.078	3010.02	ppb	7.2209	0.2	4908.80
Mn 257.610	283.960	ppb	0.6173	0.2	35130.2
Mo 202.032	6.0286	ppb	0.1085	1.8	27.8212
Na 330.237	50271.5	ppb	160.643	0.3	1777.28
Ni 231.604	155.662	ppb	0.4919	0.3	286.238
Pb 220.353	5.4340	ppb	0.8637	15.9	6.8548
Sb 206.834	-1.2492	ppb	0.2974	23.8	1.1372
Se 196.026	-1.5659	ppb	6.4666	413.0	1.8131
Sn 189.925	-1.5371	ppb	3.8407	249.9	-2.2244
Sr 216.596	117.012	ppb	0.2628	0.2	793.563
Ti 334.941	0.4809	ppb	0.0339	7.0	108.864
Tl 190.794	-2.2777	ppb	2.7190	119.4	-4.9144
V 292.401	1.9473	ppb	0.3208	16.5	21.2638
Zn 206.200	366.579	ppb	3.8908	1.1	220.107

680-104639-b-6-b (Samp) **8/29/2014, 7:09:41 PM** **Rack 1, Tube 59**

Weight: 1 **Volume: 1** **Dilution: 1**

Label	Replicates Concentration		
Ag 328.068	-0.2081u	-0.2524u	-0.2530u
Al 308.215	158.349	159.573	160.859
As 188.980	-5.5305u	1.2416	1.8676
B 249.678	39.2786	39.7190	39.3954
Ba 389.178	65.3148	65.8905	66.2682
Be 313.042	0.7612	0.7624	0.7603
Ca 370.602	14337	14369	14269
Cd 226.502	-0.6639	-0.4500	-0.8950
Co 228.615	21.8280	22.6218	21.9925
Cr 267.716	0.7680	0.5747	0.6709

Label	Replicates Concentration		
Cu 324.754	1.8630	2.1378	1.9890
Fe 271.441	15623.7	15638.2	15631.1
K 766.491	2429.68	2443.08	2442.61
Mg 279.078	2942.15	2940.35	2935.68
Mn 257.610	252.472	253.253	252.356
Mo 202.032	2.1866	2.6270	2.7938
Na 330.237	49220.1	49110.4	49054.3
Ni 231.604	4.2274	5.9278	3.7895
Pb 220.353	2.7362	1.7373	-1.8415u
Sb 206.834	-3.8804u	-3.2781u	-1.7254u
Se 196.026	-0.4945u	-2.1523u	2.2534
Sn 189.925	-4.2748u	-5.0410u	-2.7758u
Sr 216.596	114.781	115.838	114.494
Ti 334.941	0.5171	0.5034	0.5528
Tl 190.794	-1.5675u	-0.7259u	0.4704u
V 292.401	1.8596	1.9880	1.6716
Zn 206.200	26.1945	27.5370	27.6194

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.2378	ppb	0.0258	10.8	2.9360
Al 308.215	159.594	ppb	1.2548	0.8	1103.19
As 188.980	-0.8071	ppb	4.1025	508.3	-2.4397
B 249.678	39.4644	ppb	0.2281	0.6	419.996
Ba 389.178	65.8245	ppb	0.4801	0.7	950.924
Be 313.042	0.7613	ppb	0.0011	0.1	499.492
Ca 370.602	14325	ppb	51.17	0.4	24995
Cd 226.502	-0.6696	ppb	0.2226	33.2	41.8614
Co 228.615	22.1474	ppb	0.4189	1.9	134.324
Cr 267.716	0.6712	ppb	0.0966	14.4	38.7345
Cu 324.754	1.9966	ppb	0.1375	6.9	424.267
Fe 271.441	15631.0	ppb	7.2575	0.0	12193.4
K 766.491	2438.46	ppb	7.6051	0.3	69270.5
Mg 279.078	2939.40	ppb	3.3378	0.1	4794.22
Mn 257.610	252.694	ppb	0.4880	0.2	31270.7
Mo 202.032	2.5358	ppb	0.3137	12.4	13.9109
Na 330.237	49128.3	ppb	84.3533	0.2	1739.65
Ni 231.604	4.6482	ppb	1.1296	24.3	7.8493
Pb 220.353	0.8773	ppb	2.4070	274.4	2.7691
Sb 206.834	-2.9613	ppb	1.1119	37.5	-0.8516
Se 196.026	-0.1311	ppb	2.2252	1696.8	2.1795
Sn 189.925	-4.0305	ppb	1.1522	28.6	-3.3161
Sr 216.596	115.038	ppb	0.7078	0.6	783.002
Ti 334.941	0.5244	ppb	0.0255	4.9	117.196
Tl 190.794	-0.6077	ppb	1.0241	168.5	-3.9518
V 292.401	1.8397	ppb	0.1592	8.7	21.9479
Zn 206.200	27.1169	ppb	0.7999	2.9	15.8630

680-104639-b-7-b (Samp) **8/29/2014, 7:13:58 PM** **Rack 1, Tube 60**

Weight: 1 **Volume: 1** **Dilution: 1**

Label	Replicates Concentration		
Ag 328.068	-0.2409u	-0.2067u	-0.1324u
Al 308.215	9.3190	9.0971	9.7513
As 188.980	0.0961u	-2.7374u	-5.6741u

Label	Replicates Concentration		
B 249.678	44.8894	44.5853	45.0037
Ba 389.178	105.663	104.767	106.161
Be 313.042	0.5480	0.5417	0.5362
Ca 370.602	14119	14160	14144
Cd 226.502	-0.6572	-0.5988	-0.7774
Co 228.615	21.9440	20.9184	20.9810
Cr 267.716	-0.1346	-0.1099	-0.1189
Cu 324.754	3.2688	3.0342	2.8843
Fe 271.441	21315.8	21318.0	21301.6
K 766.491	2172.43	2171.89	2174.49
Mg 279.078	2630.99	2627.99	2631.44
Mn 257.610	444.197	443.377	443.973
Mo 202.032	-0.6300u	-0.2349u	-0.6507u
Na 330.237	40873.6	40712.8	40987.6
Ni 231.604	2.9295	2.0561	3.5639
Pb 220.353	-2.5329u	-0.8063	1.4844
Sb 206.834	0.2174	1.1638	0.2496
Se 196.026	5.3167	-2.1730u	5.5715
Sn 189.925	1.0418	1.0241	-3.8320u
Sr 216.596	104.445	104.225	104.611
Ti 334.941	0.0002	-0.1243u	0.0454
Tl 190.794	-1.7744u	-1.7264u	-3.9542u
V 292.401	-0.1090	0.2518	0.2768
Zn 206.200	36.8573	36.9571	37.4112

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.1933	ppb	0.0555	28.7	5.6136
Al 308.215	9.3891	ppb	0.3327	3.5	381.405
As 188.980	-2.7718	ppb	2.8852	104.1	-3.1635
B 249.678	44.8262	ppb	0.2163	0.5	462.244
Ba 389.178	105.530	ppb	0.7061	0.7	1546.29
Be 313.042	0.5419	ppb	0.0059	1.1	284.893
Ca 370.602	14141	ppb	20.30	0.1	24633
Cd 226.502	-0.6778	ppb	0.0911	13.4	61.1912
Co 228.615	21.2811	ppb	0.5749	2.7	129.650
Cr 267.716	-0.1211	ppb	0.0125	10.3	17.3787
Cu 324.754	3.0624	ppb	0.1938	6.3	468.395
Fe 271.441	21311.8	ppb	8.8683	0.0	16625.9
K 766.491	2172.94	ppb	1.3742	0.1	61746.8
Mg 279.078	2630.14	ppb	1.8779	0.1	4288.45
Mn 257.610	443.849	ppb	0.4243	0.1	54880.2
Mo 202.032	-0.5052	ppb	0.2343	46.4	1.6594
Na 330.237	40858.0	ppb	138.056	0.3	1448.31
Ni 231.604	2.8498	ppb	0.7570	26.6	4.8250
Pb 220.353	-0.6183	ppb	2.0153	326.0	1.6738
Sb 206.834	0.5436	ppb	0.5373	98.9	2.3453
Se 196.026	2.9051	ppb	4.3996	151.4	3.0098
Sn 189.925	-0.5887	ppb	2.8088	477.1	-1.8109
Sr 216.596	104.427	ppb	0.1936	0.2	715.880
Ti 334.941	-0.0262	ppb	0.0878	334.9	12.5262
Tl 190.794	-2.4850	ppb	1.2726	51.2	-5.4687
V 292.401	0.1398	ppb	0.2159	154.4	0.6839
Zn 206.200	37.0752	ppb	0.2953	0.8	21.7139

Cont Calib Verif (CCV) **8/29/2014, 7:18:15 PM** **Rack 2, Tube 1**

Weight: 1 **Volume: 1** **Dilution: 1**

Label	Replicates Concentration		
Ag 328.068	508.678	513.522	512.870
Al 308.215	4879.65	4890.98	4892.97
As 188.980	466.649	483.375	481.019
B 249.678	491.330	495.922	498.418
Ba 389.178	4997.63	5021.18	5014.60
Be 313.042	518.688	521.831	520.619
Ca 370.602	5067	5090	5045
Cd 226.502	496.587	498.189	496.755
Co 228.615	506.228	505.989	504.559
Cr 267.716	5028.92	5058.45	5036.67
Cu 324.754	4936.43	4926.51	4958.00
Fe 271.441	5064.31	5085.40	5081.92
K 766.491	10095.7	10118.6	10137.2
Mg 279.078	4959.66	4968.18	4956.68
Mn 257.610	5121.04	5136.12	5130.61
Mo 202.032	505.027	507.105	504.916
Na 330.237	7348.14	7546.64	7415.31
Ni 231.604	2513.91	2523.52	2509.81
Pb 220.353	493.650	495.954	487.584
Sb 206.834	969.752	977.409	967.147
Se 196.026	4882.65	4891.27	4917.06
Sn 189.925	4981.79	5005.30	4982.70
Sr 216.596	2505.18	2522.06	2517.31
Ti 334.941	494.451	496.720	495.785
Tl 190.794	5014.44	5046.64	5045.26
V 292.401	5097.02	5119.77	5108.52
Zn 206.200	2486.45	2494.69	2499.86

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Ag 328.068	511.690	ppb	2.6288	0.5	28143.4	102.33804
Al 308.215	4887.87	ppb	7.1861	0.1	24406.2	97.75730
As 188.980	477.014	ppb	9.0532	1.9	168.587	95.40282
B 249.678	495.223	ppb	3.5953	0.7	4651.27	99.04466
Ba 389.178	5011.14	ppb	12.1515	0.2	74885.7	100.22272
Be 313.042	520.379	ppb	1.5851	0.3	510080	104.07588
Ca 370.602	5068	ppb	22.48	0.4	9098	101.35065
Cd 226.502	497.177	ppb	0.8805	0.2	11611.6	99.43541
Co 228.615	505.592	ppb	0.9023	0.2	2869.94	101.11842
Cr 267.716	5041.35	ppb	15.3102	0.3	147984	100.82690
Cu 324.754	4940.31	ppb	16.1000	0.3	198836	98.80628
Fe 271.441	5077.21	ppb	11.3076	0.2	4013.13	101.54422
K 766.491	10117.1	ppb	20.7845	0.2	286853	101.17149
Mg 279.078	4961.51	ppb	5.9716	0.1	8025.08	99.23013
Mn 257.610	5129.26	ppb	7.6343	0.1	633352	102.58511
Mo 202.032	505.682	ppb	1.2330	0.2	2012.33	101.13649
Na 330.237	7436.70	ppb	100.960	1.4	258.832	99.15595
Ni 231.604	2515.75	ppb	7.0374	0.3	4636.37	100.62986
Pb 220.353	492.396	ppb	4.3234	0.9	443.912	98.47923
Sb 206.834	971.436	ppb	5.3343	0.5	879.120	97.14360
Se 196.026	4896.99	ppb	17.9088	0.4	1256.32	97.93987
Sn 189.925	4989.93	ppb	13.3224	0.3	2182.86	99.79856
Sr 216.596	2514.85	ppb	8.7023	0.3	16763.7	100.59410

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Ti 334.941	495.652	ppb	1.1403	0.2	94676.9	99.13036
Tl 190.794	5035.45	ppb	18.2041	0.4	3075.12	100.70898
V 292.401	5108.44	ppb	11.3772	0.2	67760.7	102.16872
Zn 206.200	2493.67	ppb	6.7620	0.3	1492.46	99.74670

Cont Calib Blank (CCB) **8/29/2014, 7:22:30 PM** **Rack 2, Tube 2**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Replicates Concentration		
Ag 328.068	-0.0697u	-0.2665u	0.1475
Al 308.215	-0.4953u	1.9991	2.2512
As 188.980	-0.5862u	-0.1018u	-4.4278u
B 249.678	5.9687	4.5591	3.8617
Ba 389.178	0.1759	-0.0520u	0.4563
Be 313.042	0.0222	0.0244	0.0508
Ca 370.602	1.940	-1.326u	7.596
Cd 226.502	-0.0565u	-0.0798u	-0.1169u
Co 228.615	0.0115	-0.5506u	0.1415
Cr 267.716	0.1325	0.1729	0.4654
Cu 324.754	0.0021	0.1770	0.1920
Fe 271.441	1.0919	-6.2661u	-5.0737u
K 766.491	1.9241	2.0930	3.2658
Mg 279.078	0.0718	-0.4286u	1.0838
Mn 257.610	0.1644	0.2266	0.6391
Mo 202.032	0.0629	-0.6113u	0.4834
Na 330.237	-84.3826u	-69.5810u	-240.566u
Ni 231.604	-0.6946u	0.1978	-0.6083u
Pb 220.353	0.1699	-0.7509u	0.5720
Sb 206.834	1.0841	-2.0339u	0.0897
Se 196.026	0.0126	-8.2086u	1.6005
Sn 189.925	-0.0783u	-3.5762u	1.5261
Sr 216.596	0.1907	-0.5286u	0.2293
Ti 334.941	-0.0560u	-0.1542u	0.0087
Tl 190.794	0.9061	2.3941	-2.2384u
V 292.401	0.4596	0.6484	0.4756
Zn 206.200	-0.1834u	0.4356	-0.0310u

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Ag 328.068	-0.0629	ppb	0.2071	329.2	16.0127	-0.06290
Al 308.215	1.2517	ppb	1.5181	121.3	315.925	1.25165
As 188.980	-1.7053	ppb	2.3702	139.0	-2.7066	-1.70526
B 249.678	4.7965	ppb	1.0734	22.4	119.896	4.79653
Ba 389.178	0.1934	ppb	0.2546	131.6	-38.7128	0.19340
Be 313.042	0.0325	ppb	0.0159	49.0	-214.408	0.03246
Ca 370.602	2.737	ppb	4.514	165.0	25.84	2.73668
Cd 226.502	-0.0844	ppb	0.0305	36.1	2.0608	-0.08443
Co 228.615	-0.1325	ppb	0.3678	277.6	7.8471	-0.13252
Cr 267.716	0.2569	ppb	0.1816	70.7	21.3605	0.25695
Cu 324.754	0.1237	ppb	0.1055	85.3	345.245	0.12368
Fe 271.441	-3.4160	ppb	3.9492	115.6	-6.7674	-3.41597
K 766.491	2.4277	ppb	0.7308	30.1	243.503	2.42766
Mg 279.078	0.2423	ppb	0.7705	318.0	12.6011	0.24230
Mn 257.610	0.3434	ppb	0.2580	75.1	74.5671	0.34338
Mo 202.032	-0.0216	ppb	0.5522	2552.4	4.1688	-0.02164

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Na 330.237	-131.510	ppb	94.7348	72.0	13.6387	-131.50980
Ni 231.604	-0.3684	ppb	0.4922	133.6	-2.1633	-0.36840
Pb 220.353	-0.0030	ppb	0.6782	22603.0	1.3675	-0.00300
Sb 206.834	-0.2867	ppb	1.5927	555.6	1.1942	-0.28667
Se 196.026	-2.1985	ppb	5.2651	239.5	1.5392	-2.19852
Sn 189.925	-0.7095	ppb	2.6091	367.7	-1.8708	-0.70948
Sr 216.596	-0.0362	ppb	0.4269	1178.1	1.1493	-0.03623
Ti 334.941	-0.0672	ppb	0.0820	122.1	2.0229	-0.06720
Tl 190.794	0.3539	ppb	2.3651	668.2	-2.2957	0.35395
V 292.401	0.5279	ppb	0.1047	19.8	2.0042	0.52785
Zn 206.200	0.0737	ppb	0.3225	437.4	-0.0174	0.07373

680-104639-b-8-b (Samp) **8/29/2014, 7:26:46 PM** **Rack 2, Tube 3**

Weight: 1 **Volume: 1** **Dilution: 1**

Label	Replicates Concentration		
Ag 328.068	-0.2480u	-0.1306u	-0.1837u
Al 308.215	152.458	151.940	152.481
As 188.980	2.0665	1.7799	-1.1070u
B 249.678	37.3221	37.6617	37.1842
Ba 389.178	60.6603	61.0392	59.8260
Be 313.042	0.7143	0.7192	0.7284
Ca 370.602	13044	12998	12991
Cd 226.502	-0.6487	-0.5825	-0.5070
Co 228.615	20.5007	21.1751	20.9009
Cr 267.716	0.3972	0.4405	0.2872
Cu 324.754	2.0519	1.9814	2.0313
Fe 271.441	13265.2	13260.3	13257.4
K 766.491	2245.42	2243.67	2244.46
Mg 279.078	2684.32	2690.70	2686.60
Mn 257.610	230.778	230.870	230.988
Mo 202.032	-0.2407u	-0.3702u	-0.1856u
Na 330.237	44641.6	44652.2	44798.5
Ni 231.604	2.9951	4.1465	3.5186
Pb 220.353	-0.3913	4.7306	-0.5440
Sb 206.834	0.5321	-0.7582u	2.2079
Se 196.026	-6.1760u	-8.7705u	11.6137
Sn 189.925	-7.6431u	0.9965	-1.0823u
Sr 216.596	105.447	104.710	104.372
Ti 334.941	0.4144	0.5342	0.4913
Tl 190.794	-4.3298u	-1.5827u	-4.9618u
V 292.401	1.7302	1.7640	1.9333
Zn 206.200	21.8447	24.9748	21.5643

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.1875	ppb	0.0588	31.4	6.1141
Al 308.215	152.293	ppb	0.3057	0.2	1064.80
As 188.980	0.9132	ppb	1.7554	192.2	-1.8153
B 249.678	37.3894	ppb	0.2458	0.7	403.874
Ba 389.178	60.5085	ppb	0.6207	1.0	870.347
Be 313.042	0.7206	ppb	0.0072	1.0	459.914
Ca 370.602	13011	ppb	28.60	0.2	22711
Cd 226.502	-0.5794	ppb	0.0709	12.2	35.9483
Co 228.615	20.8589	ppb	0.3392	1.6	126.996

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Cr 267.716	0.3750	ppb	0.0790	21.1	29.3292
Cu 324.754	2.0215	ppb	0.0363	1.8	424.651
Fe 271.441	13261.0	ppb	3.9695	0.0	10344.1
K 766.491	2244.52	ppb	0.8726	0.0	63775.0
Mg 279.078	2687.21	ppb	3.2279	0.1	4383.94
Mn 257.610	230.878	ppb	0.1053	0.0	28572.1
Mo 202.032	-0.2655	ppb	0.0948	35.7	2.8327
Na 330.237	44697.5	ppb	87.6981	0.2	1584.57
Ni 231.604	3.5534	ppb	0.5765	16.2	5.7137
Pb 220.353	1.2651	ppb	3.0022	237.3	3.0267
Sb 206.834	0.6606	ppb	1.4872	225.1	2.2879
Se 196.026	-1.1109	ppb	11.0959	998.8	1.9141
Sn 189.925	-2.5763	ppb	4.5094	175.0	-2.6803
Sr 216.596	104.843	ppb	0.5495	0.5	713.155
Ti 334.941	0.4800	ppb	0.0607	12.6	108.443
Tl 190.794	-3.6248	ppb	1.7965	49.6	-5.6197
V 292.401	1.8092	ppb	0.1088	6.0	21.3608
Zn 206.200	22.7946	ppb	1.8933	8.3	13.3212

680-104639-b-9-b (Samp) **8/29/2014, 7:31:02 PM** **Rack 2, Tube 4**

Weight: 1 **Volume: 1** **Dilution: 1**

Label	Replicates Concentration		
Ag 328.068	-0.1293u	0.2372	-0.0137u
Al 308.215	65.2704	67.2216	64.8886
As 188.980	-4.2437u	1.8471	0.1133
B 249.678	20.5092	21.1713	20.4015
Ba 389.178	43.8185	44.9579	44.8203
Be 313.042	0.2407	0.2462	0.2505
Ca 370.602	4953	5041	5024
Cd 226.502	-0.3902	-0.4147	-0.3372
Co 228.615	5.4807	4.9439	4.3714
Cr 267.716	0.0863	0.1074	-0.1366u
Cu 324.754	0.2850	0.5312	0.2076
Fe 271.441	10418.9	10626.6	10558.6
K 766.491	1781.19	1803.23	1795.82
Mg 279.078	2053.51	2107.75	2092.98
Mn 257.610	156.572	159.780	159.013
Mo 202.032	-0.9606u	0.6260	-0.6061u
Na 330.237	21283.3	21781.9	21751.9
Ni 231.604	2.4646	2.6362	1.7658
Pb 220.353	-2.7979u	-0.1069	-0.2903
Sb 206.834	-2.6523u	-1.9131u	-2.4955u
Se 196.026	-3.0535u	6.6316	2.3664
Sn 189.925	-5.4460u	-1.4809u	-5.0924u
Sr 216.596	33.1042	32.6309	32.5666
Ti 334.941	-0.1706u	-0.1258u	-0.1272u
Tl 190.794	-2.3862u	-7.1214u	0.9881u
V 292.401	-0.5095u	-0.3454u	-0.2314u
Zn 206.200	21.3888	23.9126	20.9726

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	0.0314	ppb	0.1873	596.6	19.8051
Al 308.215	65.7935	ppb	1.2514	1.9	641.801

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
As 188.980	-0.7611	ppb	3.1382	412.3	-2.4054
B 249.678	20.6940	ppb	0.4168	2.0	253.175
Ba 389.178	44.5322	ppb	0.6219	1.4	629.940
Be 313.042	0.2458	ppb	0.0049	2.0	-5.8197
Ca 370.602	5006	ppb	46.70	0.9	8712
Cd 226.502	-0.3807	ppb	0.0396	10.4	31.2268
Co 228.615	4.9320	ppb	0.5547	11.2	36.8417
Cr 267.716	0.0190	ppb	0.1352	709.8	17.7538
Cu 324.754	0.3413	ppb	0.1690	49.5	356.494
Fe 271.441	10534.7	ppb	105.893	1.0	8215.99
K 766.491	1793.41	ppb	11.2167	0.6	50992.6
Mg 279.078	2084.74	ppb	28.0417	1.3	3404.08
Mn 257.610	158.455	ppb	1.6756	1.1	19623.0
Mo 202.032	-0.3136	ppb	0.8328	265.6	2.7184
Na 330.237	21605.7	ppb	279.643	1.3	774.581
Ni 231.604	2.2888	ppb	0.4610	20.1	3.2651
Pb 220.353	-1.0650	ppb	1.5035	141.2	0.8349
Sb 206.834	-2.3537	ppb	0.3895	16.5	-0.3975
Se 196.026	1.9815	ppb	4.8540	245.0	2.6826
Sn 189.925	-4.0064	ppb	2.1943	54.8	-3.3103
Sr 216.596	32.7672	ppb	0.2936	0.9	228.219
Ti 334.941	-0.1412	ppb	0.0255	18.0	-9.9454
Tl 190.794	-2.8398	ppb	4.0737	143.4	-4.9833
V 292.401	-0.3621	ppb	0.1398	38.6	-7.9269
Zn 206.200	22.0913	ppb	1.5909	7.2	12.9687

680-104620-b-1-b (Samp) **8/29/2014, 7:35:18 PM** **Rack 2, Tube 5**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Replicates Concentration		
Ag 328.068	-0.2225u	-0.1900u	-0.2871u
Al 308.215	569.004	570.133	572.762
As 188.980	-3.0512u	-6.9203u	-8.0960u
B 249.678	22.0372	21.7163	21.8458
Ba 389.178	11.1594	11.4155	11.5879
Be 313.042	0.0233	0.0195	0.0231
Ca 370.602	20196	20224	20214
Cd 226.502	-0.0898u	0.0658	0.0512
Co 228.615	-1.1315u	-0.7729u	-0.8716u
Cr 267.716	1.0100	1.0543	0.8499
Cu 324.754	1.0368	0.6498	0.7274
Fe 271.441	192.854	200.055	201.143
K 766.491	1324.78	1328.98	1331.83
Mg 279.078	1227.55	1225.18	1224.40
Mn 257.610	1.6804	1.7233	1.6615
Mo 202.032	-0.0533u	-0.0665u	-0.2141u
Na 330.237	3231.45	3275.63	3233.49
Ni 231.604	-0.8209u	-0.2681u	0.0561
Pb 220.353	0.9458	0.8024	3.4135
Sb 206.834	3.4862	1.2641	0.7823
Se 196.026	-6.3594u	7.2083	0.2690
Sn 189.925	-0.4106u	-0.0537u	-4.0254u
Sr 216.596	59.3733	58.9876	59.4658
Ti 334.941	12.0966	12.1681	11.7951

Label	Replicates Concentration		
Tl 190.794	2.1762	-2.3932u	-3.5549u
V 292.401	1.5981	1.5385	1.8272
Zn 206.200	13.0944	10.6416	10.4488

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.2332	ppb	0.0494	21.2	5.2835
Al 308.215	570.633	ppb	1.9283	0.3	3077.86
As 188.980	-6.0225	ppb	2.6395	43.8	-4.2494
B 249.678	21.8664	ppb	0.1614	0.7	277.328
Ba 389.178	11.3876	ppb	0.2156	1.9	129.845
Be 313.042	0.0220	ppb	0.0021	9.6	-221.137
Ca 370.602	20211	ppb	14.28	0.1	35417
Cd 226.502	0.0091	ppb	0.0860	947.0	4.9196
Co 228.615	-0.9253	ppb	0.1852	20.0	3.5010
Cr 267.716	0.9714	ppb	0.1076	11.1	42.4316
Cu 324.754	0.8047	ppb	0.2048	25.4	372.645
Fe 271.441	198.017	ppb	4.5043	2.3	150.367
K 766.491	1328.53	ppb	3.5426	0.3	37819.8
Mg 279.078	1225.71	ppb	1.6402	0.1	2007.44
Mn 257.610	1.6884	ppb	0.0317	1.9	246.424
Mo 202.032	-0.1113	ppb	0.0893	80.2	3.8060
Na 330.237	3246.86	ppb	24.9361	0.8	132.071
Ni 231.604	-0.3443	ppb	0.4435	128.8	-2.1075
Pb 220.353	1.7206	ppb	1.4679	85.3	2.9082
Sb 206.834	1.8442	ppb	1.4423	78.2	3.0623
Se 196.026	0.3726	ppb	6.7844	1820.6	2.1986
Sn 189.925	-1.4966	ppb	2.1973	146.8	-2.2148
Sr 216.596	59.2756	ppb	0.2536	0.4	401.695
Ti 334.941	12.0200	ppb	0.1980	1.6	2311.62
Tl 190.794	-1.2573	ppb	3.0297	241.0	-3.2930
V 292.401	1.6546	ppb	0.1524	9.2	17.1034
Zn 206.200	11.3949	ppb	1.4749	12.9	6.7919

680-104620-a-2-b (Samp) **8/29/2014, 7:39:33 PM** **Rack 2, Tube 6**

Weight: 1 **Volume: 1** **Dilution: 1**

Label	Replicates Concentration		
Ag 328.068	-0.3291u	-0.4584u	0.3348u
Al 308.215	10.4047	9.4537	10.3934
As 188.980	1.3754	3.3113	3.3537
B 249.678	22.8067	23.2404	23.0853
Ba 389.178	25.9897	26.7376	26.4522
Be 313.042	-0.0637u	-0.0685u	-0.0724u
Ca 370.602	296357	295973	294765
Cd 226.502	-0.3811	-0.3062	-0.4156
Co 228.615	-1.3940u	-1.4615u	-1.1993u
Cr 267.716	0.5234	0.2129	0.5332
Cu 324.754	-0.0787u	-0.1034u	-0.1135u
Fe 271.441	11738.6	11738.2	11743.6
K 766.491	1708.14	1702.87	1701.37
Mg 279.078	26415.9	26404.2	26491.8
Mn 257.610	706.455	706.280	707.685
Mo 202.032	-0.5737u	-0.0939u	-0.0795u
Na 330.237	13357.5	13482.1	13401.4

Label	Replicates Concentration		
Ni 231.604	0.2086	0.0064	1.4088
Pb 220.353	0.9350	0.0571	1.1301
Sb 206.834	2.1509	0.5091	-4.3585u
Se 196.026	-2.6581u	-0.5976u	-7.3719u
Sn 189.925	-5.1132u	-5.7905u	-4.1490u
Sr 216.596	1340.02	1335.41	1339.06
Ti 334.941	0.3122	0.3539	0.3242
Tl 190.794	-8.8176u	-0.7716u	-4.3451u
V 292.401	5.3690	5.1261	5.2366
Zn 206.200	7.6519	6.3276	7.6401

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.1509	ppb	0.4256	282.0	-17.7266
Al 308.215	10.0840	ppb	0.5458	5.4	373.523
As 188.980	2.6801	ppb	1.1301	42.2	-1.1782
B 249.678	23.0441	ppb	0.2198	1.0	273.346
Ba 389.178	26.3931	ppb	0.3774	1.4	381.903
Be 313.042	-0.0682	ppb	0.0044	6.4	-259.908
Ca 370.602	295699	ppb	830.7	0.3	517776
Cd 226.502	-0.3676	ppb	0.0559	15.2	35.8919
Co 228.615	-1.3516	ppb	0.1362	10.1	1.3590
Cr 267.716	0.4232	ppb	0.1821	43.0	31.2558
Cu 324.754	-0.0985	ppb	0.0179	18.1	339.062
Fe 271.441	11740.1	ppb	2.9957	0.0	9156.20
K 766.491	1704.12	ppb	3.5573	0.2	48462.6
Mg 279.078	26437.3	ppb	47.5667	0.2	43041.8
Mn 257.610	706.807	ppb	0.7659	0.1	87435.7
Mo 202.032	-0.2490	ppb	0.2813	112.9	2.9383
Na 330.237	13413.7	ppb	63.2064	0.5	486.965
Ni 231.604	0.5412	ppb	0.7581	140.1	0.1136
Pb 220.353	0.7074	ppb	0.5716	80.8	2.5299
Sb 206.834	-0.5662	ppb	3.3853	597.9	1.1875
Se 196.026	-3.5426	ppb	3.4727	98.0	1.3445
Sn 189.925	-5.0176	ppb	0.8250	16.4	-3.7544
Sr 216.596	1338.16	ppb	2.4334	0.2	9009.84
Ti 334.941	0.3301	ppb	0.0215	6.5	108.580
Tl 190.794	-4.6448	ppb	4.0313	86.8	-6.0255
V 292.401	5.2439	ppb	0.1216	2.3	66.9884
Zn 206.200	7.2066	ppb	0.7612	10.6	3.9762

680-104622-g-2-b (Samp) **8/29/2014, 7:43:49 PM** **Rack 2, Tube 7**

Weight: 1 **Volume: 1** **Dilution: 1**

Label	Replicates Concentration		
Ag 328.068	-0.1650u	0.0672	-0.0823u
Al 308.215	596.670	598.145	597.993
As 188.980	-0.6048u	2.1209	2.0820
B 249.678	20.8672	20.2434	19.9321
Ba 389.178	46.5599	46.4024	45.1189
Be 313.042	0.0112	0.0039	0.0035
Ca 370.602	94836	94643	94608
Cd 226.502	-0.0858	-0.1969	-0.2954
Co 228.615	-0.5513u	-0.5525u	-0.1480u
Cr 267.716	1.1970	1.2804	0.7388

Label	Replicates Concentration		
Cu 324.754	3.0473	3.1691	3.3866
Fe 271.441	2270.79	2238.88	2252.84
K 766.491	1819.08	1814.60	1817.24
Mg 279.078	41857.4	41729.2	41689.5
Mn 257.610	60.9613	60.7896	60.7469
Mo 202.032	0.1666	1.1456	0.4313
Na 330.237	10525.1	10512.2	10453.6
Ni 231.604	4.0532	3.4774	1.8296
Pb 220.353	3.2130	6.5005	2.9559
Sb 206.834	0.2179	-0.3195u	-3.0009u
Se 196.026	-11.5095u	-3.0161u	-1.0741u
Sn 189.925	-5.4708u	-1.6463u	-4.9458u
Sr 216.596	125.110	123.558	125.891
Ti 334.941	20.9795	20.0093	19.6047
Tl 190.794	-5.6348u	-1.9605u	-1.7313u
V 292.401	2.2705	2.4096	2.3335
Zn 206.200	16.9572	20.8121	15.4525

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.0600	ppb	0.1177	196.0	12.7740
Al 308.215	597.603	ppb	0.8116	0.1	3211.28
As 188.980	1.1994	ppb	1.5626	130.3	-1.6715
B 249.678	20.3476	ppb	0.4762	2.3	260.627
Ba 389.178	46.0271	ppb	0.7904	1.7	686.162
Be 313.042	0.0062	ppb	0.0043	69.4	-224.226
Ca 370.602	94696	ppb	123.2	0.1	165843
Cd 226.502	-0.1927	ppb	0.1049	54.4	7.5675
Co 228.615	-0.4173	ppb	0.2332	55.9	6.5220
Cr 267.716	1.0721	ppb	0.2916	27.2	46.1604
Cu 324.754	3.2010	ppb	0.1719	5.4	469.442
Fe 271.441	2254.17	ppb	15.9952	0.7	1754.75
K 766.491	1816.97	ppb	2.2546	0.1	51660.3
Mg 279.078	41758.7	ppb	87.7571	0.2	67991.9
Mn 257.610	60.8326	ppb	0.1135	0.2	7728.64
Mo 202.032	0.5812	ppb	0.5064	87.1	6.5033
Na 330.237	10497.0	ppb	38.0984	0.4	386.117
Ni 231.604	3.1201	ppb	1.1541	37.0	4.3835
Pb 220.353	4.2231	ppb	1.9765	46.8	5.2266
Sb 206.834	-1.0342	ppb	1.7243	166.7	0.5850
Se 196.026	-5.1999	ppb	5.5499	106.7	0.7902
Sn 189.925	-4.0210	ppb	2.0732	51.6	-3.3186
Sr 216.596	124.853	ppb	1.1876	1.0	856.478
Ti 334.941	20.1978	ppb	0.7065	3.5	3919.82
Tl 190.794	-3.1089	ppb	2.1905	70.5	-4.5598
V 292.401	2.3379	ppb	0.0697	3.0	26.7728
Zn 206.200	17.7406	ppb	2.7644	15.6	10.5594

680-104622-g-3-d (Samp) **8/29/2014, 7:48:05 PM** **Rack 2, Tube 8**

Weight: 1 **Volume: 1** **Dilution: 1**

Label	Replicates Concentration		
Ag 328.068	-0.1284u	-0.3978u	-0.1875u
Al 308.215	2898.58	2886.20	2892.21
As 188.980	13.4282	5.3412	8.2307

Label	Replicates Concentration		
B 249.678	30.3476	31.0212	30.8119
Ba 389.178	64.5371	64.3673	64.7974
Be 313.042	0.1281	0.1230	0.1148
Ca 370.602	128621	127650	127422
Cd 226.502	-0.2473	-0.0249	-0.4115
Co 228.615	5.4094	5.6461	5.7879
Cr 267.716	5.3772	5.2464	5.3320
Cu 324.754	13.2978	13.1037	13.7977
Fe 271.441	8222.18	8198.50	8187.33
K 766.491	3219.83	3205.75	3207.52
Mg 279.078	54812.4	54562.1	54656.8
Mn 257.610	412.062	409.677	409.912
Mo 202.032	1.9204	1.5982	2.3603
Na 330.237	9163.06	8939.09	8950.02
Ni 231.604	11.2707	12.5938	11.0477
Pb 220.353	13.1157	11.2898	12.5157
Sb 206.834	1.5371	-3.0310u	-3.4266u
Se 196.026	-0.7216u	-0.3182	3.2849
Sn 189.925	1.7627	0.7680	-0.0270u
Sr 216.596	148.003	147.450	148.381
Ti 334.941	82.3367	81.6167	80.2360
Tl 190.794	-3.2919u	-2.4587u	-7.1598u
V 292.401	8.3291	8.0945	7.7797
Zn 206.200	44.3480	40.9202	42.4144

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.2379	ppb	0.1416	59.5	2.7995
Al 308.215	2892.33	ppb	6.1901	0.2	14348.9
As 188.980	9.0000	ppb	4.0980	45.5	1.1125
B 249.678	30.7269	ppb	0.3447	1.1	348.842
Ba 389.178	64.5673	ppb	0.2166	0.3	977.558
Be 313.042	0.1220	ppb	0.0068	5.5	-104.695
Ca 370.602	127898	ppb	636.5	0.5	223964
Cd 226.502	-0.2279	ppb	0.1940	85.1	27.2582
Co 228.615	5.6144	ppb	0.1912	3.4	41.4554
Cr 267.716	5.3185	ppb	0.0664	1.2	173.315
Cu 324.754	13.3997	ppb	0.3581	2.7	880.667
Fe 271.441	8202.67	ppb	17.7910	0.2	6396.49
K 766.491	3211.04	ppb	7.6688	0.2	91162.2
Mg 279.078	54677.1	ppb	126.361	0.2	89017.4
Mn 257.610	410.550	ppb	1.3143	0.3	50973.4
Mo 202.032	1.9596	ppb	0.3825	19.5	11.8190
Na 330.237	9017.39	ppb	126.271	1.4	332.877
Ni 231.604	11.6374	ppb	0.8357	7.2	20.3821
Pb 220.353	12.3071	ppb	0.9306	7.6	12.6821
Sb 206.834	-1.6402	ppb	2.7587	168.2	0.1927
Se 196.026	0.7483	ppb	2.2059	294.8	2.3875
Sn 189.925	0.8346	ppb	0.8967	107.4	-1.1933
Sr 216.596	147.945	ppb	0.4679	0.3	1021.53
Ti 334.941	81.3965	ppb	1.0675	1.3	15622.6
Tl 190.794	-4.3035	ppb	2.5085	58.3	-5.6242
V 292.401	8.0678	ppb	0.2757	3.4	104.393
Zn 206.200	42.5608	ppb	1.7186	4.0	25.3423

680-104622-g-3-e ms (Samp) **8/29/2014, 7:52:22 PM** **Rack 2, Tube 9**

Weight: 1 **Volume: 1** **Dilution: 1**

Label	Replicates Concentration		
Ag 328.068	54.1565	54.1391	54.6600
Al 308.215	8569.37	8523.68	8532.25
As 188.980	111.585	116.847	113.589
B 249.678	235.819	236.137	238.287
Ba 389.178	176.432	174.971	174.822
Be 313.042	53.4466	53.1537	53.2912
Ca 370.602	145126	144789	145208
Cd 226.502	50.0467	49.5429	49.6182
Co 228.615	56.0727	55.8338	57.1339
Cr 267.716	109.481	109.432	109.161
Cu 324.754	122.962	123.351	124.231
Fe 271.441	15428.9	15347.3	15393.5
K 766.491	9226.78	9185.64	9219.44
Mg 279.078	64870.4	64463.8	64583.4
Mn 257.610	990.512	984.888	987.250
Mo 202.032	105.878	106.130	106.629
Na 330.237	15545.2	15417.7	15282.8
Ni 231.604	113.310	109.813	112.100
Pb 220.353	66.7378	69.4090	65.3718
Sb 206.834	48.3487	45.9188	47.1293
Se 196.026	97.7987	88.3064	98.4672
Sn 189.925	192.859	188.783	195.929
Sr 216.596	264.337	262.880	262.466
Ti 334.941	201.454	200.633	200.171
Tl 190.794	39.3023	36.3822	36.6206
V 292.401	113.642	114.147	113.963
Zn 206.200	147.066	147.118	150.776

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	54.3186	ppb	0.2958	0.5	3003.22
Al 308.215	8541.77	ppb	24.2887	0.3	41770.3
As 188.980	114.007	ppb	2.6557	2.3	38.6909
B 249.678	236.748	ppb	1.3424	0.6	2242.90
Ba 389.178	175.408	ppb	0.8896	0.5	2646.96
Be 313.042	53.2971	ppb	0.1465	0.3	52029.4
Ca 370.602	145041	ppb	222.0	0.2	253975
Cd 226.502	49.7359	ppb	0.2718	0.5	1216.76
Co 228.615	56.3468	ppb	0.6920	1.2	328.458
Cr 267.716	109.358	ppb	0.1725	0.2	3230.08
Cu 324.754	123.515	ppb	0.6503	0.5	5308.74
Fe 271.441	15389.9	ppb	40.9473	0.3	12008.0
K 766.491	9210.62	ppb	21.9436	0.2	261166
Mg 279.078	64639.2	ppb	209.004	0.3	105227
Mn 257.610	987.550	ppb	2.8237	0.3	122269
Mo 202.032	106.212	ppb	0.3821	0.4	426.240
Na 330.237	15415.2	ppb	131.228	0.9	555.212
Ni 231.604	111.741	ppb	1.7759	1.6	205.239
Pb 220.353	67.1729	ppb	2.0535	3.1	61.9396
Sb 206.834	47.1323	ppb	1.2149	2.6	42.5342
Se 196.026	94.8574	ppb	5.6832	6.0	26.5874
Sn 189.925	192.523	ppb	3.5846	1.9	82.7226
Sr 216.596	263.227	ppb	0.9828	0.4	1797.65

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ti 334.941	200.753	ppb	0.6499	0.3	38428.4
Tl 190.794	37.4350	ppb	1.6215	4.3	19.4467
V 292.401	113.917	ppb	0.2553	0.2	1503.12
Zn 206.200	148.320	ppb	2.1270	1.4	88.6496

680-104622-g-3-f msd (Samp) **8/29/2014, 7:56:38 PM** **Rack 2, Tube 10**

Weight: 1 **Volume: 1** **Dilution: 1**

Label	Replicates Concentration		
Ag 328.068	49.6145	49.2609	49.5949
Al 308.215	7779.88	7794.58	7794.23
As 188.980	113.226	103.646	99.8685
B 249.678	218.447	218.034	218.545
Ba 389.178	158.601	158.197	158.547
Be 313.042	48.6100	48.6822	48.6899
Ca 370.602	129093	129319	129232
Cd 226.502	45.7409	45.6510	45.2820
Co 228.615	51.4915	53.4260	51.4039
Cr 267.716	100.061	100.521	100.127
Cu 324.754	113.084	114.517	114.065
Fe 271.441	14388.4	14414.2	14409.6
K 766.491	8307.39	8321.19	8353.97
Mg 279.078	57788.7	57911.9	57799.4
Mn 257.610	900.074	902.672	900.407
Mo 202.032	96.6488	97.5359	95.6521
Na 330.237	13863.2	13634.9	13684.7
Ni 231.604	103.008	100.594	103.817
Pb 220.353	56.8680	61.4672	61.6418
Sb 206.834	46.3873	46.6363	41.7802
Se 196.026	82.7505	96.4426	83.1696
Sn 189.925	173.438	180.293	184.158
Sr 216.596	238.331	238.790	237.251
Ti 334.941	184.374	185.104	184.355
Tl 190.794	28.3989	37.5914	34.4780
V 292.401	104.609	104.403	104.184
Zn 206.200	135.925	141.427	139.102

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	49.4901	ppb	0.1988	0.4	2738.01
Al 308.215	7789.56	ppb	8.3834	0.1	38119.6
As 188.980	105.580	ppb	6.8859	6.5	35.6753
B 249.678	218.342	ppb	0.2711	0.1	2074.16
Ba 389.178	158.448	ppb	0.2192	0.1	2386.66
Be 313.042	48.6607	ppb	0.0441	0.1	47481.3
Ca 370.602	129215	ppb	114.2	0.1	226261
Cd 226.502	45.5580	ppb	0.2432	0.5	1115.91
Co 228.615	52.1071	ppb	1.1430	2.2	304.406
Cr 267.716	100.237	ppb	0.2486	0.2	2961.89
Cu 324.754	113.889	ppb	0.7325	0.6	4921.56
Fe 271.441	14404.0	ppb	13.7578	0.1	11238.5
K 766.491	8327.52	ppb	23.9263	0.3	236142
Mg 279.078	57833.3	ppb	68.2411	0.1	94148.4
Mn 257.610	901.051	ppb	1.4141	0.2	111558
Mo 202.032	96.6123	ppb	0.9424	1.0	388.087

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Na 330.237	13727.6	ppb	120.034	0.9	496.245
Ni 231.604	102.473	ppb	1.6767	1.6	188.107
Pb 220.353	59.9923	ppb	2.7072	4.5	55.4887
Sb 206.834	44.9346	ppb	2.7346	6.1	40.6311
Se 196.026	87.4542	ppb	7.7870	8.9	24.6763
Sn 189.925	179.296	ppb	5.4294	3.0	76.9319
Sr 216.596	238.124	ppb	0.7900	0.3	1626.26
Ti 334.941	184.611	ppb	0.4271	0.2	35337.9
Tl 190.794	33.4894	ppb	4.6753	14.0	17.0914
V 292.401	104.399	ppb	0.2126	0.2	1377.23
Zn 206.200	138.818	ppb	2.7621	2.0	82.9706

RLV (Samp) **8/29/2014, 8:00:55 PM** **Rack 2, Tube 11**

Weight: 1 **Volume: 1** **Dilution: 1**

Label	Replicates Concentration		
Ag 328.068	-0.2237u	-0.1193u	-0.0869u
Al 308.215	5.9463	5.7436	5.9701
As 188.980	-8.7124u	-0.3237u	-6.9946u
B 249.678	364.077	367.717	367.072
Ba 389.178	0.4508	0.7040	0.4659
Be 313.042	0.0148	0.0118	0.0097
Ca 370.602	34.35	37.00	32.91
Cd 226.502	-0.1111u	0.0634	0.0260
Co 228.615	-0.2429u	-0.2640u	-0.0196u
Cr 267.716	0.1226	0.2852	0.3778
Cu 324.754	-0.2541u	0.0544	0.0193
Fe 271.441	196.867	199.470	208.033
K 766.491	2.9369	2.7043	2.3780
Mg 279.078	9.5769	8.8211	9.3092
Mn 257.610	0.3317	0.3101	0.2602
Mo 202.032	-0.6017u	-0.2797u	-0.2704u
Na 330.237	-84.0513u	117.055	47.9863
Ni 231.604	0.6743	-0.4089u	-1.0871u
Pb 220.353	1.2396	-0.4997u	-1.9102u
Sb 206.834	-0.2170u	0.4434	-1.8444u
Se 196.026	4.6301	-6.8705u	-1.3805u
Sn 189.925	-3.0820u	-2.7397u	-1.3637u
Sr 216.596	0.4092	0.0631	0.1065
Ti 334.941	0.0252	0.0261	-0.0741u
Tl 190.794	-1.7570u	-4.8572u	-1.4787u
V 292.401	0.3674	0.2707	0.2391
Zn 206.200	2.7356	1.0111	0.7715

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.1433	ppb	0.0715	49.9	11.5603
Al 308.215	5.8866	ppb	0.1244	2.1	338.633
As 188.980	-5.3436	ppb	4.4314	82.9	-4.0096
B 249.678	366.289	ppb	1.9420	0.5	3458.55
Ba 389.178	0.5403	ppb	0.1420	26.3	-33.4449
Be 313.042	0.0121	ppb	0.0025	20.9	-234.352
Ca 370.602	34.75	ppb	2.074	6.0	80.41
Cd 226.502	-0.0072	ppb	0.0919	1269.8	4.5580
Co 228.615	-0.1755	ppb	0.1354	77.2	7.6165

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Cr 267.716	0.2619	ppb	0.1292	49.3	21.5600
Cu 324.754	-0.0602	ppb	0.1689	280.8	337.901
Fe 271.441	201.457	ppb	5.8423	2.9	153.096
K 766.491	2.6731	ppb	0.2807	10.5	250.457
Mg 279.078	9.2358	ppb	0.3832	4.1	27.2416
Mn 257.610	0.3006	ppb	0.0367	12.2	69.6792
Mo 202.032	-0.3839	ppb	0.1887	49.1	2.7223
Na 330.237	26.9968	ppb	102.183	378.5	19.1529
Ni 231.604	-0.2739	ppb	0.8884	324.4	-1.9789
Pb 220.353	-0.3901	ppb	1.5778	404.5	1.0294
Sb 206.834	-0.5393	ppb	1.1775	218.3	0.9808
Se 196.026	-1.2070	ppb	5.7522	476.6	1.7941
Sn 189.925	-2.3951	ppb	0.9095	38.0	-2.6087
Sr 216.596	0.1929	ppb	0.1885	97.7	2.8315
Ti 334.941	-0.0076	ppb	0.0576	756.7	13.4211
Tl 190.794	-2.6976	ppb	1.8754	69.5	-4.1719
V 292.401	0.2924	ppb	0.0668	22.9	-1.0625
Zn 206.200	1.5061	ppb	1.0715	71.1	0.8397

mb 680-346365/1-a (Samp) **8/29/2014, 8:05:13 PM** **Rack 2, Tube 12**

Weight: 1 **Volume: 1** **Dilution: 1**

Label	Replicates Concentration		
Ag 328.068	-0.1300u	-0.3310u	-0.4188u
Al 308.215	11.2247	10.6953	9.0245
As 188.980	-1.4059u	-4.5901u	4.0767
B 249.678	5.0033	3.4894	2.4093
Ba 389.178	-0.4226u	0.0148	0.2440
Be 313.042	0.0058	0.0086	0.0148
Ca 370.602	40.69	35.28	37.01
Cd 226.502	0.0083	-0.0623	0.0260
Co 228.615	-0.0129u	0.5861	-0.1231u
Cr 267.716	1.2479	1.0413	1.3578
Cu 324.754	0.4457	0.3707	0.1070
Fe 271.441	1659.61	1611.70	1606.61
K 766.491	15.9235	15.7889	15.5635
Mg 279.078	4.3438	5.4284	7.3968
Mn 257.610	3.3138	3.2210	3.2693
Mo 202.032	-0.1569u	-0.2484u	0.0562
Na 330.237	-97.7030u	58.0119	37.7034
Ni 231.604	-0.3681u	0.4498	-0.5660u
Pb 220.353	-0.1255u	2.4778	-0.1669u
Sb 206.834	-0.9524u	-0.8147u	0.1353
Se 196.026	-3.3396u	5.4637	-4.2036u
Sn 189.925	19.7728	19.8327	20.8221
Sr 216.596	-0.4955u	0.0180	-0.6134u
Ti 334.941	0.2808	0.3716	0.3581
Tl 190.794	-0.6984u	-4.3951u	-4.0738u
V 292.401	0.0690	0.3685	0.0073
Zn 206.200	3.7146	0.2877	1.7328

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.2932	ppb	0.1480	50.5	3.1703
Al 308.215	10.3148	ppb	1.1484	11.1	361.846

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
As 188.980	-0.6397	ppb	4.3839	685.3	-2.3308
B 249.678	3.6340	ppb	1.3031	35.9	107.066
Ba 389.178	-0.0546	ppb	0.3387	620.2	-41.8158
Be 313.042	0.0097	ppb	0.0046	47.4	-236.750
Ca 370.602	37.66	ppb	2.763	7.3	75.08
Cd 226.502	-0.0093	ppb	0.0467	501.7	9.3927
Co 228.615	0.1500	ppb	0.3817	254.4	9.4992
Cr 267.716	1.2156	ppb	0.1607	13.2	49.9374
Cu 324.754	0.3078	ppb	0.1779	57.8	353.032
Fe 271.441	1625.97	ppb	29.2439	1.8	1264.61
K 766.491	15.7586	ppb	0.1819	1.2	621.247
Mg 279.078	5.7230	ppb	1.5476	27.0	21.4851
Mn 257.610	3.2680	ppb	0.0464	1.4	438.464
Mo 202.032	-0.1164	ppb	0.1563	134.3	3.7475
Na 330.237	-0.6626	ppb	84.6507	12776.0	17.9339
Ni 231.604	-0.1615	ppb	0.5385	333.6	-1.6995
Pb 220.353	0.7284	ppb	1.5151	208.0	2.0836
Sb 206.834	-0.5440	ppb	0.5922	108.9	1.0138
Se 196.026	-0.6932	ppb	5.3495	771.7	1.9332
Sn 189.925	20.1425	ppb	0.5893	2.9	7.2575
Sr 216.596	-0.3637	ppb	0.3357	92.3	0.0397
Ti 334.941	0.3368	ppb	0.0490	14.5	79.3024
Tl 190.794	-3.0558	ppb	2.0478	67.0	-4.4967
V 292.401	0.1483	ppb	0.1932	130.3	-2.7493
Zn 206.200	1.9117	ppb	1.7204	90.0	1.0459

Cont Calib Verif (CCV) **8/29/2014, 8:09:29 PM** **Rack 2, Tube 13**

Weight: 1 **Volume: 1** **Dilution: 1**

Label	Replicates Concentration		
Ag 328.068	509.143	509.979	513.606
Al 308.215	4871.15	4904.28	4866.74
As 188.980	470.104	482.367	475.052
B 249.678	492.037	497.551	496.747
Ba 389.178	5025.33	5047.82	5008.97
Be 313.042	517.298	519.438	516.409
Ca 370.602	4999	5023	5007
Cd 226.502	495.052	499.016	496.402
Co 228.615	499.096	505.607	503.404
Cr 267.716	5008.18	5037.20	5008.84
Cu 324.754	4969.75	4921.37	4945.75
Fe 271.441	5041.24	5072.17	5038.21
K 766.491	10031.0	10085.5	10011.0
Mg 279.078	4941.74	4980.32	4952.15
Mn 257.610	5104.71	5120.17	5101.39
Mo 202.032	503.981	507.217	503.282
Na 330.237	7676.11	7462.89	7498.95
Ni 231.604	2506.44	2531.88	2502.75
Pb 220.353	495.504	497.934	497.741
Sb 206.834	965.937	965.792	971.158
Se 196.026	4840.16	4853.08	4830.68
Sn 189.925	4996.19	5036.92	5023.43
Sr 216.596	2511.36	2523.53	2509.59
Ti 334.941	494.897	496.868	492.988

Label	Replicates Concentration		
Tl 190.794	5010.99	5043.79	5013.37
V 292.401	5064.94	5088.67	5067.80
Zn 206.200	2499.61	2510.92	2490.59

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Ag 328.068	510.910	ppb	2.3723	0.5	28099.9	102.18193
Al 308.215	4880.72	ppb	20.5175	0.4	24369.8	97.61447
As 188.980	475.841	ppb	6.1694	1.3	168.167	95.16819
B 249.678	495.445	ppb	2.9786	0.6	4653.33	99.08900
Ba 389.178	5027.37	ppb	19.5029	0.4	75128.4	100.54742
Be 313.042	517.715	ppb	1.5568	0.3	507466	103.54295
Ca 370.602	5010	ppb	12.32	0.2	8997	100.19366
Cd 226.502	496.823	ppb	2.0150	0.4	11603.3	99.36468
Co 228.615	502.703	ppb	3.3118	0.7	2853.55	100.54053
Cr 267.716	5018.07	ppb	16.5649	0.3	147301	100.36147
Cu 324.754	4945.62	ppb	24.1924	0.5	199050	98.91246
Fe 271.441	5050.54	ppb	18.7957	0.4	3992.10	101.01084
K 766.491	10042.5	ppb	38.5311	0.4	284737	100.42490
Mg 279.078	4958.07	ppb	19.9573	0.4	8019.70	99.16140
Mn 257.610	5108.76	ppb	10.0257	0.2	630821	102.17516
Mo 202.032	504.827	ppb	2.0995	0.4	2008.95	100.96537
Na 330.237	7545.98	ppb	114.127	1.5	262.587	100.61310
Ni 231.604	2513.69	ppb	15.8614	0.6	4632.58	100.54745
Pb 220.353	497.060	ppb	1.3506	0.3	448.072	99.41199
Sb 206.834	967.629	ppb	3.0573	0.3	875.716	96.76289
Se 196.026	4841.31	ppb	11.2462	0.2	1242.06	96.82615
Sn 189.925	5018.85	ppb	20.7511	0.4	2195.52	100.37692
Sr 216.596	2514.82	ppb	7.5872	0.3	16763.5	100.59298
Ti 334.941	494.918	ppb	1.9405	0.4	94536.7	98.98353
Tl 190.794	5022.72	ppb	18.2921	0.4	3067.32	100.45434
V 292.401	5073.80	ppb	12.9504	0.3	67300.5	101.47610
Zn 206.200	2500.37	ppb	10.1843	0.4	1496.51	100.01488

Cont Calib Blank (CCB) **8/29/2014, 8:13:45 PM** **Rack 2, Tube 14**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Replicates Concentration		
Ag 328.068	-0.0743u	-0.1924u	-0.2632u
Al 308.215	5.7314	1.7174	4.4028
As 188.980	0.6014	-0.2069u	0.4524
B 249.678	6.9259	5.4052	4.1452
Ba 389.178	0.6430	0.1701	-0.0069u
Be 313.042	0.0352	0.0256	0.0400
Ca 370.602	6.097	-0.0715u	3.301
Cd 226.502	-0.1213u	0.0014	-0.2109u
Co 228.615	-0.4215u	-0.6693u	0.0766
Cr 267.716	0.2781	0.0995	0.3407
Cu 324.754	0.1959	0.1695	0.1544
Fe 271.441	7.5256	-6.3445u	6.4675
K 766.491	2.0148	1.8135	2.1140
Mg 279.078	2.6893	-1.5650u	-2.1462u
Mn 257.610	0.4358	0.2418	0.4320
Mo 202.032	0.5166	-0.0401u	-0.3029u
Na 330.237	-50.6458u	-133.603u	-147.452u

Label	Replicates Concentration		
Ni 231.604	-0.2609u	-0.5336u	-0.1760u
Pb 220.353	-4.2023u	1.8025	2.6791
Sb 206.834	-2.3358u	-1.0717u	-3.4020u
Se 196.026	-15.8685u	9.0347	-12.5175u
Sn 189.925	-1.2669u	-2.7982u	-3.4477u
Sr 216.596	0.2418	-0.1713u	0.0872
Ti 334.941	-0.0752u	-0.0402u	-0.0581u
Tl 190.794	-0.9356u	0.4863	0.3976
V 292.401	0.7495	0.5572	0.7432
Zn 206.200	0.4590	1.1211	0.7099

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Ag 328.068	-0.1766	ppb	0.0954	54.0	9.7518	-0.17663
Al 308.215	3.9505	ppb	2.0449	51.8	329.028	3.95050
As 188.980	0.2823	ppb	0.4302	152.4	-1.9951	0.28229
B 249.678	5.4921	ppb	1.3924	25.4	126.291	5.49211
Ba 389.178	0.2687	ppb	0.3360	125.0	-37.5848	0.26875
Be 313.042	0.0336	ppb	0.0073	21.8	-213.307	0.03359
Ca 370.602	3.109	ppb	3.089	99.4	26.46	3.10877
Cd 226.502	-0.1103	ppb	0.1065	96.6	1.4750	-0.11027
Co 228.615	-0.3381	ppb	0.3799	112.4	6.6855	-0.33806
Cr 267.716	0.2395	ppb	0.1251	52.3	20.8490	0.23946
Cu 324.754	0.1733	ppb	0.0210	12.1	347.239	0.17326
Fe 271.441	2.5496	ppb	7.7206	302.8	-2.1141	2.54955
K 766.491	1.9808	ppb	0.1531	7.7	230.840	1.98078
Mg 279.078	-0.3406	ppb	2.6401	775.1	11.6513	-0.34063
Mn 257.610	0.3699	ppb	0.1109	30.0	77.8445	0.36987
Mo 202.032	0.0579	ppb	0.4184	722.9	4.4849	0.05788
Na 330.237	-110.567	ppb	52.3533	47.3	14.3744	-110.56706
Ni 231.604	-0.3235	ppb	0.1868	57.8	-2.0802	-0.32351
Pb 220.353	0.0931	ppb	3.7457	4024.0	1.4535	0.09308
Sb 206.834	-2.2698	ppb	1.1665	51.4	-0.5356	-2.26985
Se 196.026	-6.4504	ppb	13.5148	209.5	0.4509	-6.45040
Sn 189.925	-2.5043	ppb	1.1197	44.7	-2.6565	-2.50427
Sr 216.596	0.0526	ppb	0.2087	397.0	1.7486	0.05257
Ti 334.941	-0.0578	ppb	0.0175	30.3	3.8137	-0.05781
Tl 190.794	-0.0172	ppb	0.7966	4621.9	-2.5225	-0.01723
V 292.401	0.6833	ppb	0.1093	16.0	4.0692	0.68330
Zn 206.200	0.7633	ppb	0.3343	43.8	0.3977	0.76331

lcs 680-346365/2-a (Samp) **8/29/2014, 8:18:00 PM** **Rack 2, Tube 15**

Weight: 1 **Volume: 1** **Dilution: 1**

Label	Replicates Concentration		
Ag 328.068	52.2744	51.1299	51.3381
Al 308.215	4870.14	4807.50	4798.69
As 188.980	97.5602	95.9733	102.720
B 249.678	187.535	185.417	185.719
Ba 389.178	100.371	99.1004	98.3757
Be 313.042	52.1241	51.3292	51.2678
Ca 370.602	5018	4941	4941
Cd 226.502	49.9842	49.3637	49.9877
Co 228.615	49.9444	49.5913	49.9014
Cr 267.716	102.473	100.683	100.759

Label	Replicates Concentration		
Cu 324.754	101.466	98.7668	100.913
Fe 271.441	5076.01	5040.51	5019.23
K 766.491	5002.32	4914.54	4904.76
Mg 279.078	4907.03	4835.90	4837.96
Mn 257.610	533.273	524.948	524.911
Mo 202.032	102.226	99.4027	99.5366
Na 330.237	4940.02	5060.43	4863.93
Ni 231.604	100.192	98.6447	101.024
Pb 220.353	51.6483	50.0112	48.3424
Sb 206.834	50.8553	51.2339	51.2025
Se 196.026	100.802	92.9459	99.3254
Sn 189.925	212.860	205.104	206.275
Sr 216.596	101.700	98.8963	100.181
Ti 334.941	101.382	99.6966	99.5552
Tl 190.794	41.2789	34.1321	36.4355
V 292.401	102.594	100.773	100.950
Zn 206.200	100.001	99.5304	96.8472

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	51.5808	ppb	0.6096	1.2	2856.63
Al 308.215	4825.44	ppb	38.9602	0.8	23731.5
As 188.980	98.7512	ppb	3.5276	3.6	33.2465
B 249.678	186.224	ppb	1.1457	0.6	1789.55
Ba 389.178	99.2824	ppb	1.0100	1.0	1449.44
Be 313.042	51.5737	ppb	0.4777	0.9	50315.8
Ca 370.602	4967	ppb	44.41	0.9	8718
Cd 226.502	49.7785	ppb	0.3593	0.7	1181.83
Co 228.615	49.8124	ppb	0.1927	0.4	290.165
Cr 267.716	101.305	ppb	1.0123	1.0	2989.64
Cu 324.754	100.382	ppb	1.4258	1.4	4376.68
Fe 271.441	5045.25	ppb	28.6902	0.6	3936.05
K 766.491	4940.54	ppb	53.7251	1.1	140169
Mg 279.078	4860.30	ppb	40.4829	0.8	7916.88
Mn 257.610	527.711	ppb	4.8171	0.9	65216.3
Mo 202.032	100.389	ppb	1.5929	1.6	403.368
Na 330.237	4954.79	ppb	99.0798	2.0	190.383
Ni 231.604	99.9536	ppb	1.2074	1.2	182.988
Pb 220.353	50.0006	ppb	1.6530	3.3	46.2059
Sb 206.834	51.0972	ppb	0.2101	0.4	45.7901
Se 196.026	97.6911	ppb	4.1752	4.3	27.2018
Sn 189.925	208.080	ppb	4.1813	2.0	89.5309
Sr 216.596	100.259	ppb	1.4036	1.4	673.326
Ti 334.941	100.211	ppb	1.0162	1.0	19158.4
Tl 190.794	37.2822	ppb	3.6479	9.8	19.9887
V 292.401	101.439	ppb	1.0043	1.0	1334.88
Zn 206.200	98.7927	ppb	1.7012	1.7	59.1114

lb 680-346219/1-d (Samp) **8/29/2014, 8:22:16 PM** **Rack 2, Tube 16**

Weight: 1 **Volume: 1** **Dilution: 1**

Label	Replicates Concentration		
Ag 328.068	0.3318	-0.0307u	-0.1056u
Al 308.215	6.9988	9.8411	8.7657
As 188.980	0.6267	-6.3241u	-2.1733u

Label	Replicates Concentration		
B 249.678	1.4414	0.2295	-0.0011u
Ba 389.178	-0.0607u	-0.4480u	-0.5318u
Be 313.042	0.0119	0.0157	0.0147
Ca 370.602	36.96	33.23	33.67
Cd 226.502	-0.1212u	-0.0486u	-0.1943u
Co 228.615	-0.0610u	0.1233	-0.2616u
Cr 267.716	0.8750	0.8514	0.8103
Cu 324.754	-0.1139u	0.0547	0.1485
Fe 271.441	9.6573	6.4001	4.0900
K 766.491	18.8288	18.9501	18.5567
Mg 279.078	6.4928	6.4585	5.3806
Mn 257.610	0.1222	0.1334	0.1515
Mo 202.032	-1.3623u	0.1321	-0.6553u
Na 330.237	19062.1	19122.4	18914.1
Ni 231.604	0.1480	-0.1348u	-0.8166u
Pb 220.353	0.5097	-0.0605u	-2.5742u
Sb 206.834	-0.8677u	0.0047	-2.6530u
Se 196.026	-0.2307u	-1.1412u	4.5918
Sn 189.925	21.5519	13.9232	15.4896
Sr 216.596	-0.5048u	-0.7172u	0.3023
Ti 334.941	0.2226	0.1853	0.2410
Tl 190.794	-3.7598u	-0.3334u	-0.1344u
V 292.401	-0.0975u	0.3414	0.3739
Zn 206.200	1.0252	0.6640	2.8126

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	0.0652	ppb	0.2340	358.9	23.0605
Al 308.215	8.5352	ppb	1.4351	16.8	351.216
As 188.980	-2.6235	ppb	3.4972	133.3	-3.0352
B 249.678	0.5566	ppb	0.7749	139.2	80.7116
Ba 389.178	-0.3468	ppb	0.2513	72.5	-46.7813
Be 313.042	0.0141	ppb	0.0019	13.8	-233.434
Ca 370.602	34.62	ppb	2.038	5.9	81.66
Cd 226.502	-0.1214	ppb	0.0729	60.0	1.1739
Co 228.615	-0.0664	ppb	0.1925	289.8	8.2266
Cr 267.716	0.8456	ppb	0.0327	3.9	38.8376
Cu 324.754	0.0298	ppb	0.1330	447.0	341.464
Fe 271.441	6.7158	ppb	2.7971	41.6	1.1392
K 766.491	18.7785	ppb	0.2015	1.1	706.820
Mg 279.078	6.1107	ppb	0.6324	10.3	22.1554
Mn 257.610	0.1357	ppb	0.0147	10.9	48.9222
Mo 202.032	-0.6285	ppb	0.7475	118.9	1.7548
Na 330.237	19032.9	ppb	107.154	0.6	686.254
Ni 231.604	-0.2678	ppb	0.4959	185.2	-1.9773
Pb 220.353	-0.7083	ppb	1.6408	231.6	0.7380
Sb 206.834	-1.1720	ppb	1.3547	115.6	0.4355
Se 196.026	1.0733	ppb	3.0809	287.0	2.3768
Sn 189.925	16.9882	ppb	4.0291	23.7	5.8800
Sr 216.596	-0.3065	ppb	0.5379	175.5	-0.6399
Ti 334.941	0.2163	ppb	0.0284	13.1	55.2362
Tl 190.794	-1.4092	ppb	2.0381	144.6	-3.3713
V 292.401	0.2060	ppb	0.2633	127.8	-2.3033
Zn 206.200	1.5006	ppb	1.1505	76.7	0.8404

104629-2 (Samp) **8/29/2014, 8:26:32 PM** **Rack 2, Tube 17**

Weight: 1 **Volume: 1** **Dilution: 1**

Label	Replicates Concentration		
Ag 328.068	-0.1423u	-0.3182u	-0.4129u
Al 308.215	88.5556	89.8424	93.0907
As 188.980	-4.3842u	-3.3674u	2.8120
B 249.678	0.9070	0.2102	0.0851
Ba 389.178	0.0043	0.1156	-0.4568u
Be 313.042	0.0186	0.0224	0.0224
Ca 370.602	34.77	42.07	39.77
Cd 226.502	0.0280	-0.1664u	-0.1227u
Co 228.615	1.0665	1.8738	1.6539
Cr 267.716	1388.77	1384.33	1414.05
Cu 324.754	1.6198	2.1364	2.0965
Fe 271.441	16.4756	21.0146	15.8752
K 766.491	16.0085	15.7914	16.2408
Mg 279.078	8.9376	4.8129	1.7917
Mn 257.610	0.0931	0.1751	0.1501
Mo 202.032	-0.1040u	-0.0471u	-0.1654u
Na 330.237	103.865	-44.7624u	-33.7565u
Ni 231.604	-1.0075u	-0.2018u	1.2732
Pb 220.353	-1.5577u	3.0527	-0.4148
Sb 206.834	-1.2915	-1.8533	2.0804
Se 196.026	9.2267	0.8681	-2.1995u
Sn 189.925	33.7619	35.1817	35.6351
Sr 216.596	3.8719	3.8809	2.9346
Ti 334.941	4.3303	4.2994	4.4020
Tl 190.794	-2.8065u	-1.6212u	-4.7069u
V 292.401	-0.0620u	0.3331u	0.3163u
Zn 206.200	6.0571	3.4173u	6.5285

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.2911	ppb	0.1373	47.2	3.3693
Al 308.215	90.4962	ppb	2.3372	2.6	748.623
As 188.980	-1.6465	ppb	3.8945	236.5	-2.6851
B 249.678	0.4007	ppb	0.4428	110.5	79.3191
Ba 389.178	-0.1123	ppb	0.3035	270.3	-43.2717
Be 313.042	0.0212	ppb	0.0022	10.3	-225.546
Ca 370.602	38.87	ppb	3.735	9.6	90.14
Cd 226.502	-0.0870	ppb	0.1020	117.2	2.0785
Co 228.615	1.5314	ppb	0.4174	27.3	18.8595
Cr 267.716	1395.72	ppb	16.0327	1.1	40984.9
Cu 324.754	1.9509	ppb	0.2874	14.7	418.693
Fe 271.441	17.7885	ppb	2.8100	15.8	11.1262
K 766.491	16.0136	ppb	0.2248	1.4	628.471
Mg 279.078	5.1807	ppb	3.5872	69.2	20.6227
Mn 257.610	0.1394	ppb	0.0420	30.1	49.4571
Mo 202.032	-0.1055	ppb	0.0592	56.1	3.8361
Na 330.237	8.4488	ppb	82.8161	980.2	18.5546
Ni 231.604	0.0213	ppb	1.1566	5437.0	-1.4455
Pb 220.353	0.3601	ppb	2.4009	666.8	2.3346
Sb 206.834	-0.3548	ppb	2.1276	599.7	10.8067
Se 196.026	2.6318	ppb	5.9138	224.7	2.7758
Sn 189.925	34.8596	ppb	0.9773	2.8	13.7002
Sr 216.596	3.5625	ppb	0.5438	15.3	25.2126

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ti 334.941	4.3439	ppb	0.0527	1.2	844.434
Tl 190.794	-3.0449	ppb	1.5566	51.1	-4.3699
V 292.401	0.1958	ppb	0.2234	114.1	-32.5717
Zn 206.200	5.3343	ppb	1.6768	31.4	0.7633

104629-2 SD (Samp) **8/29/2014, 8:30:48 PM** **Rack 2, Tube 18**

Weight: 1 **Volume: 1** **Dilution: 1**

Label	Replicates Concentration		
Ag 328.068	-0.3262u	-0.1183u	0.1098
Al 308.215	19.7495	18.9560	20.0481
As 188.980	-4.2036u	0.0365	-0.5279u
B 249.678	-3.2759u	-3.1598u	-3.7830u
Ba 389.178	-0.6826u	-0.3505u	-0.5453u
Be 313.042	0.0159	0.0173	0.0089
Ca 370.602	11.73	13.99	16.83
Cd 226.502	-0.2509u	-0.1191u	0.0344
Co 228.615	0.3295	-0.5584u	0.3394
Cr 267.716	279.303	279.619	281.552
Cu 324.754	-0.0071u	0.1620	0.1623
Fe 271.441	3.2155	4.6684	5.9032
K 766.491	5.1261	5.7570	5.4993
Mg 279.078	2.2519	0.3770	4.2256
Mn 257.610	0.0985	0.0919	0.1339
Mo 202.032	0.5636	-0.2449u	-0.8208u
Na 330.237	-165.701u	-105.551u	-13.7079u
Ni 231.604	0.2397	-0.7627u	-0.5292u
Pb 220.353	-1.0681u	0.0068	0.8416
Sb 206.834	0.0750	1.2443	-0.7219
Se 196.026	-9.8691u	4.1512	13.3823
Sn 189.925	6.9054	2.7868	6.3919
Sr 216.596	1.2274	0.7050	0.5172
Ti 334.941	0.8137	0.8010	0.8381
Tl 190.794	-1.9172u	-3.1838u	1.1454
V 292.401	0.1689u	0.2809u	0.1665u
Zn 206.200	0.2533u	1.2928	0.9835

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.1116	ppb	0.2180	195.5	13.3107
Al 308.215	19.5845	ppb	0.5645	2.9	404.797
As 188.980	-1.5650	ppb	2.3025	147.1	-2.6563
B 249.678	-3.4062	ppb	0.3314	9.7	44.1322
Ba 389.178	-0.5261	ppb	0.1669	31.7	-49.4666
Be 313.042	0.0140	ppb	0.0045	31.9	-232.484
Ca 370.602	14.18	ppb	2.553	18.0	46.06
Cd 226.502	-0.1118	ppb	0.1428	127.7	1.4479
Co 228.615	0.0369	ppb	0.5155	1399.0	9.1276
Cr 267.716	280.158	ppb	1.2178	0.4	8237.81
Cu 324.754	0.1057	ppb	0.0977	92.4	344.526
Fe 271.441	4.5957	ppb	1.3453	29.3	-0.2548
K 766.491	5.4608	ppb	0.3172	5.8	329.450
Mg 279.078	2.2848	ppb	1.9245	84.2	15.9251
Mn 257.610	0.1081	ppb	0.0226	20.9	45.5380
Mo 202.032	-0.1674	ppb	0.6954	415.5	3.5893

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Na 330.237	-94.9865	ppb	76.5451	80.6	14.9280
Ni 231.604	-0.3507	ppb	0.5245	149.6	-2.1305
Pb 220.353	-0.0733	ppb	0.9574	1306.7	1.4331
Sb 206.834	0.1992	ppb	0.9889	496.6	3.5494
Se 196.026	2.5548	ppb	11.7076	458.3	2.7560
Sn 189.925	5.3614	ppb	2.2444	41.9	0.7868
Sr 216.596	0.8165	ppb	0.3680	45.1	6.8608
Ti 334.941	0.8176	ppb	0.0189	2.3	170.995
Tl 190.794	-1.3185	ppb	2.2258	168.8	-3.3165
V 292.401	0.2054	ppb	0.0653	31.8	-8.2869
Zn 206.200	0.8432	ppb	0.5338	63.3	-0.0304

104629-2 PDS (Samp) **8/29/2014, 8:35:03 PM** **Rack 2, Tube 19**

Weight: 1 **Volume: 1** **Dilution: 1**

Label	Replicates Concentration		
Ag 328.068	51.3816	51.7341	51.1488
Al 308.215	2204.65	2204.48	2209.33
As 188.980	207.910	217.109	218.893
B 249.678	533.063	535.145	538.209
Ba 389.178	224.859	225.860	226.070
Be 313.042	60.0480	60.1519	60.1228
Ca 370.602	2146	2153	2140
Cd 226.502	55.8179	55.6741	56.5834
Co 228.615	226.212	228.478	228.523
Cr 267.716	1621.48	1624.57	1622.98
Cu 324.754	225.265	230.105	228.795
Fe 271.441	2267.32	2278.35	2251.87
K 766.491	2188.81	2192.92	2191.94
Mg 279.078	2221.20	2222.13	2219.80
Mn 257.610	235.875	235.913	236.104
Mo 202.032	223.627	221.858	224.285
Na 330.237	2338.99	2128.96	2249.78
Ni 231.604	220.224	218.446	221.054
Pb 220.353	216.082	216.305	217.677
Sb 206.834	202.390	199.806	204.888
Se 196.026	213.517	218.671	220.952
Sn 189.925	261.006	264.310	259.869
Sr 216.596	228.926	229.525	227.404
Ti 334.941	224.007	224.227	224.759
Tl 190.794	217.051	219.822	220.034
V 292.401	223.959	225.104	223.911
Zn 206.200	221.966	225.402	227.328

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	51.4215	ppb	0.2947	0.6	2844.65
Al 308.215	2206.15	ppb	2.7534	0.1	11036.8
As 188.980	214.637	ppb	5.8942	2.7	74.7051
B 249.678	535.472	ppb	2.5888	0.5	5020.26
Ba 389.178	225.596	ppb	0.6468	0.3	3334.80
Be 313.042	60.1076	ppb	0.0536	0.1	58676.5
Ca 370.602	2146	ppb	6.739	0.3	3828
Cd 226.502	56.0251	ppb	0.4888	0.9	1317.91
Co 228.615	227.737	ppb	1.3215	0.6	1297.46

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Cr 267.716	1623.01	ppb	1.5462	0.1	47656.9
Cu 324.754	228.055	ppb	2.5037	1.1	9508.21
Fe 271.441	2265.85	ppb	13.2981	0.6	1779.90
K 766.491	2191.22	ppb	2.1420	0.1	62264.9
Mg 279.078	2221.04	ppb	1.1744	0.1	3624.52
Mn 257.610	235.964	ppb	0.1225	0.1	29179.3
Mo 202.032	223.257	ppb	1.2551	0.6	892.102
Na 330.237	2239.24	ppb	105.410	4.7	94.4681
Ni 231.604	219.908	ppb	1.3321	0.6	403.749
Pb 220.353	216.688	ppb	0.8635	0.4	195.609
Sb 206.834	202.362	ppb	2.5408	1.3	186.819
Se 196.026	217.713	ppb	3.8090	1.7	57.8739
Sn 189.925	261.728	ppb	2.3070	0.9	113.016
Sr 216.596	228.618	ppb	1.0933	0.5	1525.72
Ti 334.941	224.331	ppb	0.3867	0.2	42858.8
Tl 190.794	218.969	ppb	1.6647	0.8	131.140
V 292.401	224.325	ppb	0.6751	0.3	2926.27
Zn 206.200	224.899	ppb	2.7159	1.2	132.508

104629-2 MS (Samp) **8/29/2014, 8:39:19 PM** **Rack 2, Tube 20**

Weight: 1 **Volume: 1** **Dilution: 1**

Label	Replicates Concentration		
Ag 328.068	105.955	106.304	106.264
Al 308.215	10114.3	10155.0	10052.3
As 188.980	204.122	213.309	205.509
B 249.678	392.946	395.099	391.905
Ba 389.178	207.788	206.550	206.363
Be 313.042	110.379	110.616	109.508
Ca 370.602	10540	10570	10470
Cd 226.502	104.147	104.023	102.620
Co 228.615	108.102	106.299	107.230
Cr 267.716	1689.86	1694.31	1676.32
Cu 324.754	214.298	214.292	214.114
Fe 271.441	10385.4	10397.5	10295.9
K 766.491	10056.3	10066.9	9997.81
Mg 279.078	10052.4	10092.4	9963.01
Mn 257.610	1091.92	1095.39	1084.47
Mo 202.032	211.972	210.975	208.997
Na 330.237	10118.6	10137.8	10124.4
Ni 231.604	202.945	205.490	202.482
Pb 220.353	100.458	103.426	101.667
Sb 206.834	91.2651	98.1888	95.3013
Se 196.026	190.777	209.336	206.662
Sn 189.925	451.711	452.969	453.535
Sr 216.596	212.092	212.134	209.315
Ti 334.941	212.559	213.473	211.174
Tl 190.794	75.9588	81.9283	78.8999
V 292.401	213.121	213.339	211.366
Zn 206.200	206.041	207.379	210.768

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	106.175	ppb	0.1913	0.2	5859.46
Al 308.215	10107.2	ppb	51.7015	0.5	49367.7

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
As 188.980	207.646	ppb	4.9525	2.4	72.2207
B 249.678	393.316	ppb	1.6291	0.4	3695.99
Ba 389.178	206.901	ppb	0.7742	0.4	3065.52
Be 313.042	110.168	ppb	0.5836	0.5	107761
Ca 370.602	10527	ppb	51.15	0.5	18454
Cd 226.502	103.597	ppb	0.8481	0.8	2454.63
Co 228.615	107.210	ppb	0.9020	0.8	616.283
Cr 267.716	1686.83	ppb	9.3691	0.6	49534.6
Cu 324.754	214.235	ppb	0.1045	0.0	8954.59
Fe 271.441	10359.6	ppb	55.5033	0.5	8087.94
K 766.491	10040.3	ppb	37.2080	0.4	284677
Mg 279.078	10035.9	ppb	66.2264	0.7	16334.3
Mn 257.610	1090.59	ppb	5.5822	0.5	134745
Mo 202.032	210.648	ppb	1.5144	0.7	841.732
Na 330.237	10126.9	ppb	9.8181	0.1	370.064
Ni 231.604	203.639	ppb	1.6196	0.8	374.344
Pb 220.353	101.850	ppb	1.4925	1.5	93.3728
Sb 206.834	94.9184	ppb	3.4777	3.7	93.9275
Se 196.026	202.258	ppb	10.0326	5.0	54.0674
Sn 189.925	452.738	ppb	0.9338	0.2	196.635
Sr 216.596	211.180	ppb	1.6153	0.8	1416.60
Ti 334.941	212.402	ppb	1.1578	0.5	40590.1
Tl 190.794	78.9290	ppb	2.9849	3.8	45.1455
V 292.401	212.609	ppb	1.0819	0.5	2771.62
Zn 206.200	208.063	ppb	2.4364	1.2	122.064

104629-2 MSD (Samp) **8/29/2014, 8:43:36 PM** **Rack 2, Tube 21**

Weight: 1 **Volume: 1** **Dilution: 1**

Label	Replicates Concentration		
Ag 328.068	106.692	106.409	106.274
Al 308.215	10120.0	10081.3	10099.2
As 188.980	212.116	201.068	197.344
B 249.678	388.641	388.345	389.609
Ba 389.178	206.320	206.766	206.984
Be 313.042	110.390	110.033	110.279
Ca 370.602	10582	10523	10538
Cd 226.502	103.599	103.213	103.542
Co 228.615	108.391	107.254	108.549
Cr 267.716	1752.57	1747.91	1752.29
Cu 324.754	215.024	217.100	214.290
Fe 271.441	10378.2	10336.5	10364.3
K 766.491	10132.3	10108.9	10106.0
Mg 279.078	10043.9	10004.7	10013.8
Mn 257.610	1091.03	1087.35	1089.31
Mo 202.032	211.093	207.943	209.512
Na 330.237	10270.6	10297.9	9893.80
Ni 231.604	204.730	204.156	205.624
Pb 220.353	98.8620	100.462	101.807
Sb 206.834	96.9938	90.4016	95.6725
Se 196.026	211.456	204.689	198.897
Sn 189.925	449.530	441.789	451.063
Sr 216.596	210.919	209.636	210.566
Ti 334.941	212.382	211.726	212.160

Label	Replicates Concentration		
Tl 190.794	80.2391	81.9474	82.1505
V 292.401	212.739	212.418	212.429
Zn 206.200	203.720	203.120	208.586

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	106.458	ppb	0.2129	0.2	5875.09
Al 308.215	10100.2	ppb	19.3904	0.2	49333.5
As 188.980	203.509	ppb	7.6830	3.8	70.7400
B 249.678	388.865	ppb	0.6609	0.2	3654.88
Ba 389.178	206.690	ppb	0.3382	0.2	3062.35
Be 313.042	110.234	ppb	0.1827	0.2	107826
Ca 370.602	10547	ppb	30.64	0.3	18491
Cd 226.502	103.451	ppb	0.2081	0.2	2451.20
Co 228.615	108.065	ppb	0.7067	0.7	621.194
Cr 267.716	1750.92	ppb	2.6122	0.1	51416.0
Cu 324.754	215.471	ppb	1.4575	0.7	9004.25
Fe 271.441	10359.7	ppb	21.2400	0.2	8088.06
K 766.491	10115.7	ppb	14.3996	0.1	286812
Mg 279.078	10020.8	ppb	20.5048	0.2	16309.8
Mn 257.610	1089.23	ppb	1.8454	0.2	134577
Mo 202.032	209.516	ppb	1.5745	0.8	837.230
Na 330.237	10154.1	ppb	225.834	2.2	371.035
Ni 231.604	204.836	ppb	0.7397	0.4	376.551
Pb 220.353	100.377	ppb	1.4742	1.5	92.0835
Sb 206.834	94.3560	ppb	3.4877	3.7	93.8525
Se 196.026	205.014	ppb	6.2857	3.1	54.7725
Sn 189.925	447.461	ppb	4.9710	1.1	194.325
Sr 216.596	210.373	ppb	0.6626	0.3	1411.19
Ti 334.941	212.089	ppb	0.3336	0.2	40530.4
Tl 190.794	81.4457	ppb	1.0499	1.3	46.6837
V 292.401	212.529	ppb	0.1821	0.1	2769.40
Zn 206.200	205.142	ppb	2.9978	1.5	120.207

CRI (Samp) **8/29/2014, 8:47:52 PM** **Rack 2, Tube 22**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Replicates Concentration		
Ag 328.068	10.2187	10.3188	10.4594
Al 308.215	204.690	204.516	203.356
As 188.980	20.9226	17.1525	19.0580
B 249.678	104.712	104.450	103.844
Ba 389.178	9.2276	10.6572	10.2888
Be 313.042	4.2815	4.2582	4.2343
Ca 370.602	535.2	523.0	532.8
Cd 226.502	5.1099	5.0256	4.8672
Co 228.615	10.2302	11.0381	10.7916
Cr 267.716	10.6446	10.6395	10.9645
Cu 324.754	21.0319	20.2237	20.6190
Fe 271.441	49.8975	62.0311	54.2108
K 766.491	1011.54	1004.89	1003.85
Mg 279.078	502.045	503.145	503.634
Mn 257.610	11.1519	11.2403	11.2076
Mo 202.032	10.1082	9.3804	10.0561
Na 330.237	935.407	927.510	945.876

Label	Replicates Concentration		
Ni 231.604	40.8441	40.6466	41.3683
Pb 220.353	8.8573	9.2758	13.6027
Sb 206.834	20.7685	20.9804	26.1991
Se 196.026	28.2331	17.3102	11.7227
Sn 189.925	48.6435	51.8428	50.4527
Sr 216.596	10.1190	10.3857	10.2360
Ti 334.941	10.1436	10.1098	10.0131
Tl 190.794	23.1268	20.2082	23.1272
V 292.401	10.6885	10.3668	10.9774
Zn 206.200	21.6733	21.0466	20.9110

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	10.3323	ppb	0.1209	1.2	587.786
Al 308.215	204.187	ppb	0.7251	0.4	1301.36
As 188.980	19.0444	ppb	1.8851	9.9	4.7203
B 249.678	104.335	ppb	0.4453	0.4	1039.40
Ba 389.178	10.0579	ppb	0.7422	7.4	109.290
Be 313.042	4.2580	ppb	0.0236	0.6	3928.12
Ca 370.602	530.3	ppb	6.447	1.2	952.3
Cd 226.502	5.0009	ppb	0.1232	2.5	120.812
Co 228.615	10.6866	ppb	0.4141	3.9	68.9915
Cr 267.716	10.7495	ppb	0.1862	1.7	329.346
Cu 324.754	20.6249	ppb	0.4041	2.0	1169.23
Fe 271.441	55.3798	ppb	6.1507	11.1	39.7912
K 766.491	1006.76	ppb	4.1722	0.4	28702.2
Mg 279.078	502.941	ppb	0.8139	0.2	830.783
Mn 257.610	11.1999	ppb	0.0447	0.4	1417.27
Mo 202.032	9.8482	ppb	0.4060	4.1	43.4202
Na 330.237	936.264	ppb	9.2130	1.0	50.9363
Ni 231.604	40.9530	ppb	0.3729	0.9	74.0095
Pb 220.353	10.5786	ppb	2.6273	24.8	10.8194
Sb 206.834	22.6493	ppb	3.0760	13.6	21.1684
Se 196.026	19.0887	ppb	8.3976	44.0	6.9900
Sn 189.925	50.3130	ppb	1.6042	3.2	20.4653
Sr 216.596	10.2469	ppb	0.1337	1.3	69.2962
Ti 334.941	10.0888	ppb	0.0677	0.7	1942.09
Tl 190.794	22.1541	ppb	1.6851	7.6	11.0110
V 292.401	10.6775	ppb	0.3055	2.9	135.990
Zn 206.200	21.2103	ppb	0.4066	1.9	12.6880

mb 680-346343/1-a (Samp) **8/29/2014, 8:52:09 PM** **Rack 2, Tube 23**

Weight: 1 **Volume: 1** **Dilution: 1**

Label	Replicates Concentration		
Ag 328.068	-0.1901u	0.0222	-0.1558u
Al 308.215	7.6854	7.1432	8.0901
As 188.980	-0.8518u	-6.3656u	-7.2256u
B 249.678	0.5843	-0.5582u	-0.3775u
Ba 389.178	-0.6893u	-0.4263u	-0.3197u
Be 313.042	0.0029	0.0069	0.0009
Ca 370.602	20.72	20.32	18.85
Cd 226.502	-0.0828u	0.0349	-0.0447u
Co 228.615	-0.1743u	-0.6102u	0.4845
Cr 267.716	0.5340	0.4722	0.3359

Label	Replicates Concentration		
Cu 324.754	-0.1305u	0.1878	0.0802
Fe 271.441	10.9767	7.2268	16.9791
K 766.491	9.7030	9.5230	9.7689
Mg 279.078	-0.9273u	2.6460	6.4644
Mn 257.610	0.1585	0.1752	0.1588
Mo 202.032	-0.7856u	-0.6869u	-0.2001u
Na 330.237	73.5329	-7.0509u	-36.1416u
Ni 231.604	-1.0738u	-0.3213u	-2.2366u
Pb 220.353	-2.5960u	1.3079	-0.7025u
Sb 206.834	-0.5188u	-0.1213u	3.0228
Se 196.026	-1.5568u	2.0162	2.1051
Sn 189.925	15.8384	13.7107	13.8664
Sr 216.596	0.2950	0.0551	-0.1696u
Ti 334.941	0.0782	0.0029	0.0383
Tl 190.794	-3.3562u	-1.2691u	2.0631
V 292.401	0.0380	-0.0169u	0.3257
Zn 206.200	0.1945	1.6353	0.8028

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.1079	ppb	0.1140	105.6	13.5327
Al 308.215	7.6395	ppb	0.4751	6.2	346.878
As 188.980	-4.8143	ppb	3.4585	71.8	-3.8194
B 249.678	-0.1171	ppb	0.6141	524.4	74.5020
Ba 389.178	-0.4784	ppb	0.1902	39.8	-48.7501
Be 313.042	0.0036	ppb	0.0030	85.7	-242.720
Ca 370.602	19.96	ppb	0.9873	4.9	55.91
Cd 226.502	-0.0308	ppb	0.0601	194.8	3.3661
Co 228.615	-0.1000	ppb	0.5511	551.3	8.0351
Cr 267.716	0.4474	ppb	0.1013	22.7	26.9572
Cu 324.754	0.0458	ppb	0.1619	353.3	342.112
Fe 271.441	11.7275	ppb	4.9193	41.9	5.0537
K 766.491	9.6650	ppb	0.1273	1.3	448.579
Mg 279.078	2.7277	ppb	3.6965	135.5	16.6477
Mn 257.610	0.1642	ppb	0.0095	5.8	52.4781
Mo 202.032	-0.5575	ppb	0.3134	56.2	2.0370
Na 330.237	10.1134	ppb	56.8162	561.8	18.6017
Ni 231.604	-1.2105	ppb	0.9649	79.7	-3.7153
Pb 220.353	-0.6635	ppb	1.9523	294.2	0.7781
Sb 206.834	0.7942	ppb	1.9402	244.3	2.1460
Se 196.026	0.8548	ppb	2.0890	244.4	2.3209
Sn 189.925	14.4718	ppb	1.1860	8.2	4.7751
Sr 216.596	0.0602	ppb	0.2323	386.0	1.8303
Ti 334.941	0.0398	ppb	0.0377	94.6	22.4609
Tl 190.794	-0.8541	ppb	2.7334	320.0	-3.0331
V 292.401	0.1156	ppb	0.1840	159.2	-3.4325
Zn 206.200	0.8775	ppb	0.7233	82.4	0.4659

lcs 680-346343/2-a (Samp) **8/29/2014, 8:56:26 PM** **Rack 2, Tube 24**

Weight: 1 **Volume: 1** **Dilution: 1**

Label	Replicates Concentration		
Ag 328.068	51.0510	52.3208	52.0183
Al 308.215	4842.03	4844.90	4842.45
As 188.980	96.7543	105.306	103.331

Label	Replicates Concentration		
B 249.678	188.023	190.496	191.151
Ba 389.178	99.3652	99.5980	99.9633
Be 313.042	51.9764	52.0072	52.0221
Ca 370.602	5058	5089	5084
Cd 226.502	50.3708	50.5925	49.9259
Co 228.615	50.9064	50.9258	51.5421
Cr 267.716	102.921	102.637	102.750
Cu 324.754	101.432	102.113	102.694
Fe 271.441	5075.26	5067.95	5090.97
K 766.491	4982.46	4989.39	4983.71
Mg 279.078	4883.99	4887.45	4881.17
Mn 257.610	534.314	535.047	535.333
Mo 202.032	103.195	102.617	102.588
Na 330.237	5004.87	4843.83	4973.35
Ni 231.604	98.4720	100.920	100.746
Pb 220.353	50.3002	44.4680	51.7191
Sb 206.834	50.8557	45.1866	46.1418
Se 196.026	102.728	92.5667	83.9724
Sn 189.925	216.196	210.171	212.568
Sr 216.596	100.930	100.750	101.162
Ti 334.941	101.292	101.158	101.127
Tl 190.794	39.5024	33.5121	38.5945
V 292.401	103.006	103.347	102.781
Zn 206.200	98.7137	100.021	102.632

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	51.7967	ppb	0.6633	1.3	2868.53
Al 308.215	4843.13	ppb	1.5496	0.0	23817.5
As 188.980	101.797	ppb	4.4775	4.4	34.3366
B 249.678	189.890	ppb	1.6497	0.9	1823.36
Ba 389.178	99.6422	ppb	0.3015	0.3	1454.86
Be 313.042	52.0019	ppb	0.0233	0.0	50735.6
Ca 370.602	5077	ppb	16.54	0.3	8910
Cd 226.502	50.2964	ppb	0.3395	0.7	1193.99
Co 228.615	51.1248	ppb	0.3616	0.7	297.569
Cr 267.716	102.769	ppb	0.1429	0.1	3032.62
Cu 324.754	102.079	ppb	0.6318	0.6	4444.93
Fe 271.441	5078.06	ppb	11.7642	0.2	3961.73
K 766.491	4985.18	ppb	3.6918	0.1	141434
Mg 279.078	4884.20	ppb	3.1452	0.1	7955.70
Mn 257.610	534.898	ppb	0.5254	0.1	66103.9
Mo 202.032	102.800	ppb	0.3426	0.3	412.958
Na 330.237	4940.68	ppb	85.3476	1.7	189.877
Ni 231.604	100.046	ppb	1.3657	1.4	183.158
Pb 220.353	48.8291	ppb	3.8429	7.9	45.1588
Sb 206.834	47.3947	ppb	3.0351	6.4	42.5495
Se 196.026	93.0891	ppb	9.3888	10.1	26.0248
Sn 189.925	212.978	ppb	3.0336	1.4	91.6753
Sr 216.596	100.948	ppb	0.2065	0.2	677.933
Ti 334.941	101.192	ppb	0.0876	0.1	19345.8
Tl 190.794	37.2030	ppb	3.2285	8.7	19.9400
V 292.401	103.045	ppb	0.2851	0.3	1356.05
Zn 206.200	100.456	ppb	1.9951	2.0	60.1100

Cont Calib Verif (CCV) **8/29/2014, 9:00:43 PM** **Rack 2, Tube 25**

Weight: 1 **Volume: 1** **Dilution: 1**

Label	Replicates Concentration		
Ag 328.068	510.062	513.542	514.344
Al 308.215	4857.91	4876.50	4873.71
As 188.980	482.510	480.767	494.709
B 249.678	493.392	498.664	499.668
Ba 389.178	5017.61	5036.66	5021.89
Be 313.042	517.462	519.555	519.596
Ca 370.602	5057	5067	5049
Cd 226.502	494.131	495.991	495.440
Co 228.615	504.518	506.487	505.701
Cr 267.716	5016.57	5041.76	5038.08
Cu 324.754	4969.55	4933.77	5064.08
Fe 271.441	5076.63	5084.97	5076.22
K 766.491	10137.0	10160.0	10197.8
Mg 279.078	4934.18	4949.00	4949.17
Mn 257.610	5102.08	5114.07	5109.52
Mo 202.032	505.425	504.405	505.868
Na 330.237	7738.16	7287.58	7399.34
Ni 231.604	2508.83	2519.36	2504.83
Pb 220.353	486.301	491.608	486.661
Sb 206.834	964.151	968.800	981.061
Se 196.026	4863.68	4868.54	4870.75
Sn 189.925	4995.62	5010.73	5012.88
Sr 216.596	2502.71	2512.88	2507.13
Ti 334.941	494.211	496.203	496.511
Tl 190.794	5042.50	5058.03	5070.48
V 292.401	5082.34	5112.48	5111.76
Zn 206.200	2485.84	2498.21	2463.31

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Ag 328.068	512.650	ppb	2.2762	0.4	28196.1	102.52992
Al 308.215	4869.37	ppb	10.0260	0.2	24316.1	97.38742
As 188.980	485.995	ppb	7.5964	1.6	171.802	97.19906
B 249.678	497.241	ppb	3.3712	0.7	4669.90	99.44829
Ba 389.178	5025.39	ppb	9.9966	0.2	75098.7	100.50774
Be 313.042	518.871	ppb	1.2207	0.2	508601	103.77419
Ca 370.602	5058	ppb	9.272	0.2	9081	101.15711
Cd 226.502	495.187	ppb	0.9555	0.2	11565.3	99.03740
Co 228.615	505.569	ppb	0.9913	0.2	2869.78	101.11371
Cr 267.716	5032.14	ppb	13.6081	0.3	147714	100.64273
Cu 324.754	4989.13	ppb	67.3273	1.3	200798	99.78268
Fe 271.441	5079.27	ppb	4.9408	0.1	4014.61	101.58548
K 766.491	10164.9	ppb	30.6683	0.3	288206	101.64915
Mg 279.078	4944.12	ppb	8.6025	0.2	7996.98	98.88235
Mn 257.610	5108.56	ppb	6.0525	0.1	630796	102.17111
Mo 202.032	505.233	ppb	0.7502	0.1	2010.55	101.04662
Na 330.237	7475.03	ppb	234.631	3.1	260.240	99.66702
Ni 231.604	2511.01	ppb	7.5059	0.3	4627.64	100.44028
Pb 220.353	488.190	ppb	2.9658	0.6	440.141	97.63798
Sb 206.834	971.337	ppb	8.7358	0.9	878.885	97.13371
Se 196.026	4867.66	ppb	3.6192	0.1	1248.80	97.35312
Sn 189.925	5006.41	ppb	9.4068	0.2	2190.07	100.12817
Sr 216.596	2507.57	ppb	5.1010	0.2	16715.1	100.30285

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Ti 334.941	495.642	ppb	1.2483	0.3	94675.0	99.12838
Tl 190.794	5057.00	ppb	14.0210	0.3	3088.25	101.14007
V 292.401	5102.19	ppb	17.1925	0.3	67678.2	102.04384
Zn 206.200	2482.45	ppb	17.6971	0.7	1485.74	99.29807

Cont Calib Blank (CCB) **8/29/2014, 9:04:58 PM** **Rack 2, Tube 26**

Weight: 1 **Volume: 1** **Dilution: 1**

Label	Replicates Concentration		
Ag 328.068	0.0168	-0.0440u	-0.1077u
Al 308.215	1.7107	1.9507	3.0857
As 188.980	-5.7580u	0.1446	-7.0130u
B 249.678	6.2545	5.4215	3.9184
Ba 389.178	0.2181	-0.3594u	0.7842
Be 313.042	0.0245	0.0234	0.0276
Ca 370.602	-2.263u	-0.8909u	0.0358
Cd 226.502	-0.0403u	-0.2446u	-0.0149u
Co 228.615	0.0215	-0.5469u	0.2673
Cr 267.716	0.2032	0.2883	0.3301
Cu 324.754	-0.2796u	-0.0121u	-0.0602u
Fe 271.441	-3.8382u	-4.2048u	-0.8093u
K 766.491	0.7415	1.4110	1.9546
Mg 279.078	-1.2827u	-2.9441u	-3.6086u
Mn 257.610	0.1091	0.2174	0.3700
Mo 202.032	0.5117	0.6137	-0.0851u
Na 330.237	-132.012u	-187.162u	47.9255
Ni 231.604	1.0523	0.5308	-0.5305u
Pb 220.353	3.3318	1.1260	0.8535
Sb 206.834	-1.0228u	-3.3234u	0.6081
Se 196.026	-0.2608u	-1.6251u	0.4746
Sn 189.925	-2.0239u	-4.0928u	-0.1700u
Sr 216.596	-0.3632u	-0.5161u	0.0196
Ti 334.941	-0.0835u	-0.0933u	-0.0487u
Tl 190.794	-0.3978u	-3.1083u	0.5199
V 292.401	0.1423	0.3218	0.5876
Zn 206.200	-0.8204u	0.6301	-0.3739u

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Ag 328.068	-0.0450	ppb	0.0622	138.4	17.0000	-0.04497
Al 308.215	2.2490	ppb	0.7344	32.7	320.771	2.24903
As 188.980	-4.2088	ppb	3.8220	90.8	-3.6028	-4.20881
B 249.678	5.1981	ppb	1.1840	22.8	123.590	5.19811
Ba 389.178	0.2143	ppb	0.5718	266.8	-38.4010	0.21431
Be 313.042	0.0252	ppb	0.0021	8.5	-221.598	0.02516
Ca 370.602	-1.039	ppb	1.157	111.3	19.22	-1.03944
Cd 226.502	-0.0999	ppb	0.1259	126.0	1.6963	-0.09995
Co 228.615	-0.0860	ppb	0.4176	485.5	8.1060	-0.08601
Cr 267.716	0.2739	ppb	0.0647	23.6	21.8575	0.27387
Cu 324.754	-0.1173	ppb	0.1426	121.6	335.568	-0.11732
Fe 271.441	-2.9508	ppb	1.8636	63.2	-6.3903	-2.95080
K 766.491	1.3690	ppb	0.6076	44.4	213.506	1.36904
Mg 279.078	-2.6118	ppb	1.1980	45.9	7.9561	-2.61181
Mn 257.610	0.2322	ppb	0.1310	56.4	60.8266	0.23215
Mo 202.032	0.3468	ppb	0.3775	108.8	5.6343	0.34678

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Na 330.237	-90.4162	ppb	122.940	136.0	15.0866	-90.41622
Ni 231.604	0.3509	ppb	0.8066	229.9	-0.8375	0.35087
Pb 220.353	1.7704	ppb	1.3590	76.8	2.9522	1.77042
Sb 206.834	-1.2460	ppb	1.9753	158.5	0.3537	-1.24602
Se 196.026	-0.4704	ppb	1.0654	226.5	1.9816	-0.47042
Sn 189.925	-2.0956	ppb	1.9624	93.6	-2.4776	-2.09558
Sr 216.596	-0.2866	ppb	0.2760	96.3	-0.5252	-0.28656
Ti 334.941	-0.0752	ppb	0.0234	31.1	0.4998	-0.07516
Tl 190.794	-0.9954	ppb	1.8865	189.5	-3.1191	-0.99539
V 292.401	0.3506	ppb	0.2241	63.9	-0.3787	0.35057
Zn 206.200	-0.1881	ppb	0.7428	395.0	-0.1749	-0.18806

680-104619-e-1-d (Samp) **8/29/2014, 9:09:14 PM** **Rack 2, Tube 27**

Weight: 1 **Volume: 1** **Dilution: 1**

Label	Replicates Concentration		
Ag 328.068	-0.1797u	-0.1305u	-0.0478u
Al 308.215	735.865	737.729	735.122
As 188.980	-0.1440u	-5.5270u	-2.3575u
B 249.678	-0.9225u	-1.5681u	-1.6251u
Ba 389.178	3.9273	3.5695	3.8103
Be 313.042	0.0441	0.0393	0.0402
Ca 370.602	553.8	549.6	557.8
Cd 226.502	-0.1888u	-0.0748	-0.0516
Co 228.615	0.8620	-0.2158u	0.4428
Cr 267.716	2.6160	2.7019	2.5490
Cu 324.754	0.9295	0.6092	0.7887
Fe 271.441	952.834	947.709	956.692
K 766.491	30.4875	29.3943	30.3681
Mg 279.078	41.2953	41.5135	42.3928
Mn 257.610	36.4095	36.4152	36.5827
Mo 202.032	-0.5369u	0.1862	-0.6948u
Na 330.237	36.8426	63.5760	4.3902u
Ni 231.604	0.8146	-0.7250u	-0.2100u
Pb 220.353	3.5726	2.7133	0.8392
Sb 206.834	-1.8366u	-3.2827u	1.9974
Se 196.026	-10.5429u	-1.8460u	5.6944
Sn 189.925	13.7640	15.6695	11.7311
Sr 216.596	5.4830	5.8289	5.2348
Ti 334.941	31.4543	30.9799	31.7570
Tl 190.794	-3.0009u	-4.8875u	-5.8862u
V 292.401	0.4075	0.5754	0.6795
Zn 206.200	0.5826	2.2515	1.5808

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.1193	ppb	0.0666	55.9	12.8033
Al 308.215	736.239	ppb	1.3434	0.2	3881.92
As 188.980	-2.6762	ppb	2.7056	101.1	-3.0533
B 249.678	-1.3719	ppb	0.3902	28.4	61.6811
Ba 389.178	3.7690	ppb	0.1825	4.8	15.1304
Be 313.042	0.0412	ppb	0.0025	6.1	-205.672
Ca 370.602	553.7	ppb	4.098	0.7	992.8
Cd 226.502	-0.1051	ppb	0.0734	69.9	4.8550
Co 228.615	0.3630	ppb	0.5433	149.7	11.0136

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Cr 267.716	2.6223	ppb	0.0766	2.9	91.1799
Cu 324.754	0.7758	ppb	0.1605	20.7	371.668
Fe 271.441	952.412	ppb	4.5062	0.5	739.063
K 766.491	30.0833	ppb	0.5997	2.0	1027.15
Mg 279.078	41.7338	ppb	0.5810	1.4	79.5349
Mn 257.610	36.4692	ppb	0.0984	0.3	4536.69
Mo 202.032	-0.3485	ppb	0.4697	134.8	2.8423
Na 330.237	34.9363	ppb	29.6389	84.8	19.2630
Ni 231.604	-0.0401	ppb	0.7837	1952.5	-1.5100
Pb 220.353	2.3751	ppb	1.3977	58.9	3.5197
Sb 206.834	-1.0406	ppb	2.7286	262.2	0.5792
Se 196.026	-2.2315	ppb	8.1255	364.1	1.5402
Sn 189.925	13.7215	ppb	1.9695	14.4	4.4466
Sr 216.596	5.5156	ppb	0.2984	5.4	38.9780
Ti 334.941	31.3971	ppb	0.3917	1.2	6010.99
Tl 190.794	-4.5915	ppb	1.4653	31.9	-5.3725
V 292.401	0.5542	ppb	0.1373	24.8	2.7502
Zn 206.200	1.4716	ppb	0.8398	57.1	0.7957

680-104619-e-1-dSD (Samp) **8/29/2014, 9:13:30 PM** **Rack 2, Tube 28**

Weight: 1 **Volume: 1** **Dilution: 1**

Label	Replicates Concentration		
Ag 328.068	-0.1932u	-0.2187u	0.0347
Al 308.215	154.876	152.226	150.677
As 188.980	-1.1077u	-5.9622u	-1.6988u
B 249.678	-3.3511u	-3.1028u	-3.5144u
Ba 389.178	0.2190	0.2798	1.0245
Be 313.042	0.0177	0.0135	0.0242
Ca 370.602	110.3	110.0	118.0
Cd 226.502	-0.1378u	-0.1041u	-0.1543u
Co 228.615	-0.3286u	0.0066	-0.3222u
Cr 267.716	0.3144	0.4557	0.5042
Cu 324.754	-0.0596u	-0.0145u	0.0723
Fe 271.441	180.844	189.151	192.963
K 766.491	7.7896	7.8321	8.1724
Mg 279.078	9.5965	10.2585	7.1479
Mn 257.610	7.6683	7.8240	7.6572
Mo 202.032	-0.2194u	0.0837	-0.3086u
Na 330.237	-156.828u	-95.9329u	-75.7427u
Ni 231.604	-0.1742u	-1.0268u	1.2147
Pb 220.353	0.5543	-2.0035u	0.0212
Sb 206.834	-0.6890u	0.2973	1.9893
Se 196.026	2.9566	-8.1078u	-0.9114u
Sn 189.925	0.9538	-2.0681u	2.2221
Sr 216.596	1.3189	1.2611	0.8980
Ti 334.941	5.8175	5.6050	5.5072
Tl 190.794	-1.9294u	-1.4441u	-5.3633u
V 292.401	0.1632	0.0502	0.3418
Zn 206.200	0.5442	-1.3026u	-2.2953u

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.1257	ppb	0.1395	111.0	12.5373
Al 308.215	152.593	ppb	2.1234	1.4	1050.17

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
As 188.980	-2.9229	ppb	2.6486	90.6	-3.1422
B 249.678	-3.3228	ppb	0.2073	6.2	44.6519
Ba 389.178	0.5078	ppb	0.4485	88.3	-33.9341
Be 313.042	0.0185	ppb	0.0054	29.2	-228.104
Ca 370.602	112.8	ppb	4.512	4.0	218.7
Cd 226.502	-0.1321	ppb	0.0256	19.4	1.6149
Co 228.615	-0.2147	ppb	0.1917	89.3	7.4512
Cr 267.716	0.4248	ppb	0.0986	23.2	26.3658
Cu 324.754	-0.0006	ppb	0.0670	10665.6	340.294
Fe 271.441	187.653	ppb	6.1971	3.3	142.313
K 766.491	7.9313	ppb	0.2098	2.6	399.455
Mg 279.078	9.0010	ppb	1.6386	18.2	26.7343
Mn 257.610	7.7165	ppb	0.0933	1.2	985.270
Mo 202.032	-0.1481	ppb	0.2056	138.8	3.6605
Na 330.237	-109.501	ppb	42.2110	38.5	14.3768
Ni 231.604	0.0046	ppb	1.1314	24859.6	-1.4657
Pb 220.353	-0.4760	ppb	1.3495	283.5	0.9503
Sb 206.834	0.5325	ppb	1.3546	254.4	1.9160
Se 196.026	-2.0209	ppb	5.6150	277.8	1.5866
Sn 189.925	0.3693	ppb	2.2040	596.9	-1.3985
Sr 216.596	1.1593	ppb	0.2281	19.7	9.2850
Ti 334.941	5.6432	ppb	0.1586	2.8	1092.59
Tl 190.794	-2.9123	ppb	2.1365	73.4	-4.3007
V 292.401	0.1851	ppb	0.1470	79.4	-2.4611
Zn 206.200	-1.0179	ppb	1.4410	141.6	-0.6799

680-104619-e-1-dPDS (Samp) **8/29/2014, 9:17:46 PM** **Rack 2, Tube 29**

Weight: 1 **Volume: 1** **Dilution: 1**

Label	Replicates Concentration		
Ag 328.068	47.4137	47.7626	47.5569
Al 308.215	2830.17	2819.75	2812.54
As 188.980	209.565	205.410	207.555
B 249.678	521.759	524.036	526.281
Ba 389.178	227.484	227.179	227.678
Be 313.042	56.6765	56.6420	56.5535
Ca 370.602	2636	2631	2614
Cd 226.502	55.3197	55.7002	55.5227
Co 228.615	222.133	224.067	223.657
Cr 267.716	226.067	225.800	225.804
Cu 324.754	225.790	222.722	222.448
Fe 271.441	3151.49	3142.32	3142.90
K 766.491	2300.78	2286.13	2290.85
Mg 279.078	2230.63	2232.91	2228.48
Mn 257.610	268.623	268.316	267.748
Mo 202.032	221.616	222.746	222.672
Na 330.237	2153.10	2186.43	2074.99
Ni 231.604	221.014	219.797	220.295
Pb 220.353	217.292	216.900	215.959
Sb 206.834	203.304	201.252	203.867
Se 196.026	208.130	216.776	202.864
Sn 189.925	236.746	233.742	238.829
Sr 216.596	228.699	228.956	226.790
Ti 334.941	249.542	248.796	248.800

Label	Replicates Concentration		
Tl 190.794	217.859	214.645	217.494
V 292.401	221.988	222.886	221.777
Zn 206.200	223.103	218.960	219.251

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	47.5777	ppb	0.1754	0.4	2633.17
Al 308.215	2820.82	ppb	8.8665	0.3	14019.2
As 188.980	207.510	ppb	2.0777	1.0	72.1543
B 249.678	524.025	ppb	2.2609	0.4	4913.34
Ba 389.178	227.447	ppb	0.2518	0.1	3362.80
Be 313.042	56.6240	ppb	0.0634	0.1	55261.1
Ca 370.602	2627	ppb	11.64	0.4	4670
Cd 226.502	55.5142	ppb	0.1904	0.3	1309.01
Co 228.615	223.286	ppb	1.0188	0.5	1271.03
Cr 267.716	225.890	ppb	0.1529	0.1	6645.02
Cu 324.754	223.653	ppb	1.8553	0.8	9331.52
Fe 271.441	3145.57	ppb	5.1335	0.2	2464.81
K 766.491	2292.59	ppb	7.4780	0.3	65137.1
Mg 279.078	2230.67	ppb	2.2122	0.1	3639.66
Mn 257.610	268.229	ppb	0.4438	0.2	33164.4
Mo 202.032	222.345	ppb	0.6321	0.3	888.449
Na 330.237	2138.17	ppb	57.2033	2.7	90.7125
Ni 231.604	220.369	ppb	0.6121	0.3	404.649
Pb 220.353	216.717	ppb	0.6853	0.3	195.018
Sb 206.834	202.808	ppb	1.3763	0.7	177.580
Se 196.026	209.257	ppb	7.0240	3.4	55.7178
Sn 189.925	236.439	ppb	2.5575	1.1	101.945
Sr 216.596	228.148	ppb	1.1833	0.5	1523.26
Ti 334.941	249.046	ppb	0.4293	0.2	47578.8
Tl 190.794	216.666	ppb	1.7598	0.8	129.672
V 292.401	222.217	ppb	0.5888	0.3	2928.78
Zn 206.200	220.438	ppb	2.3127	1.0	132.181

680-104619-e-1-e ms (Samp) **8/29/2014, 9:22:01 PM** **Rack 2, Tube 30**

Weight: 1 **Volume: 1** **Dilution: 1**

Label	Replicates Concentration		
Ag 328.068	52.6209	52.6248	52.5654
Al 308.215	5823.26	5830.46	5820.72
As 188.980	106.289	100.850	109.508
B 249.678	197.900	198.348	197.675
Ba 389.178	106.912	107.550	106.260
Be 313.042	52.6134	52.6611	52.4360
Ca 370.602	5666	5645	5629
Cd 226.502	50.9934	50.8603	50.5585
Co 228.615	51.9254	50.8502	51.1149
Cr 267.716	105.389	105.990	105.194
Cu 324.754	103.571	103.963	103.208
Fe 271.441	5380.34	5374.02	5356.55
K 766.491	5108.68	5123.04	5085.70
Mg 279.078	4982.64	4985.03	4982.82
Mn 257.610	542.184	542.749	541.305
Mo 202.032	102.135	103.102	101.812
Na 330.237	4899.92	5050.39	4992.24

Label	Replicates Concentration		
Ni 231.604	101.167	99.8904	100.051
Pb 220.353	49.4406	49.3269	54.5578
Sb 206.834	46.6030	45.2662	40.1039
Se 196.026	102.229	94.9914	107.534
Sn 189.925	209.482	207.002	212.117
Sr 216.596	107.303	108.540	107.583
Ti 334.941	124.639	125.486	124.662
Tl 190.794	37.5134	36.8984	39.5286
V 292.401	103.365	103.951	101.768
Zn 206.200	105.287	104.727	104.975

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	52.6037	ppb	0.0332	0.1	2912.76
Al 308.215	5824.81	ppb	5.0522	0.1	28579.3
As 188.980	105.549	ppb	4.3764	4.1	35.6842
B 249.678	197.974	ppb	0.3429	0.2	1897.62
Ba 389.178	106.907	ppb	0.6453	0.6	1563.67
Be 313.042	52.5702	ppb	0.1186	0.2	51292.9
Ca 370.602	5647	ppb	18.53	0.3	9913
Cd 226.502	50.8041	ppb	0.2229	0.4	1206.84
Co 228.615	51.2968	ppb	0.5602	1.1	298.809
Cr 267.716	105.524	ppb	0.4151	0.4	3113.63
Cu 324.754	103.581	ppb	0.3780	0.4	4505.32
Fe 271.441	5370.30	ppb	12.3254	0.2	4189.77
K 766.491	5105.81	ppb	18.8378	0.4	144852
Mg 279.078	4983.50	ppb	1.3274	0.0	8117.04
Mn 257.610	542.079	ppb	0.7277	0.1	66991.5
Mo 202.032	102.350	ppb	0.6713	0.7	411.158
Na 330.237	4980.85	ppb	75.8783	1.5	191.163
Ni 231.604	100.369	ppb	0.6954	0.7	183.769
Pb 220.353	51.1084	ppb	2.9878	5.8	47.1951
Sb 206.834	43.9910	ppb	3.4321	7.8	39.6124
Se 196.026	101.585	ppb	6.2962	6.2	28.2020
Sn 189.925	209.534	ppb	2.5579	1.2	90.1673
Sr 216.596	107.808	ppb	0.6485	0.6	724.090
Ti 334.941	124.929	ppb	0.4826	0.4	23879.1
Tl 190.794	37.9801	ppb	1.3758	3.6	20.3949
V 292.401	103.028	ppb	1.1299	1.1	1356.01
Zn 206.200	104.997	ppb	0.2803	0.3	62.8307

680-104619-e-1-f msd (Samp) **8/29/2014, 9:26:17 PM** **Rack 2, Tube 31**

Weight: 1 **Volume: 1** **Dilution: 1**

Label	Replicates Concentration		
Ag 328.068	53.2442	53.1640	53.3447
Al 308.215	5964.27	5942.77	5969.61
As 188.980	101.252	98.6150	95.9851
B 249.678	196.126	196.015	197.030
Ba 389.178	107.637	108.388	108.229
Be 313.042	52.9706	52.9210	53.1116
Ca 370.602	5725	5739	5744
Cd 226.502	51.2968	51.0589	51.5975
Co 228.615	51.8551	51.4951	52.0048
Cr 267.716	106.720	107.111	107.042

Label	Replicates Concentration		
Cu 324.754	105.116	104.379	105.253
Fe 271.441	5486.24	5487.88	5492.98
K 766.491	5153.93	5145.28	5158.53
Mg 279.078	5034.60	5021.75	5039.69
Mn 257.610	546.506	546.057	547.949
Mo 202.032	102.037	102.510	103.676
Na 330.237	5067.15	4878.91	5125.68
Ni 231.604	104.490	101.552	103.281
Pb 220.353	54.4167	50.2963	52.1970
Sb 206.834	45.1622	46.5993	40.8663
Se 196.026	94.8422	92.0974	97.9409
Sn 189.925	212.724	208.894	210.777
Sr 216.596	108.903	109.933	110.023
Ti 334.941	128.836	129.187	129.705
Tl 190.794	40.6979	41.0063	44.3751
V 292.401	104.167	104.417	104.597
Zn 206.200	101.591	102.437	104.313

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	53.2510	ppb	0.0905	0.2	2948.34
Al 308.215	5958.88	ppb	14.2070	0.2	29229.8
As 188.980	98.6175	ppb	2.6337	2.7	33.2032
B 249.678	196.390	ppb	0.5565	0.3	1882.85
Ba 389.178	108.085	ppb	0.3956	0.4	1581.36
Be 313.042	53.0010	ppb	0.0989	0.2	51715.4
Ca 370.602	5736	ppb	9.738	0.2	10069
Cd 226.502	51.3178	ppb	0.2699	0.5	1219.22
Co 228.615	51.7850	ppb	0.2620	0.5	301.611
Cr 267.716	106.958	ppb	0.2086	0.2	3155.74
Cu 324.754	104.916	ppb	0.4704	0.4	4559.01
Fe 271.441	5489.04	ppb	3.5145	0.1	4282.46
K 766.491	5152.58	ppb	6.7250	0.1	146178
Mg 279.078	5032.02	ppb	9.2435	0.2	8195.93
Mn 257.610	546.837	ppb	0.9888	0.2	67579.3
Mo 202.032	102.741	ppb	0.8435	0.8	412.711
Na 330.237	5023.91	ppb	128.944	2.6	192.666
Ni 231.604	103.108	ppb	1.4766	1.4	188.823
Pb 220.353	52.3034	ppb	2.0623	3.9	48.2659
Sb 206.834	44.2093	ppb	2.9830	6.7	39.8087
Se 196.026	94.9601	ppb	2.9235	3.1	26.5073
Sn 189.925	210.798	ppb	1.9148	0.9	90.7209
Sr 216.596	109.620	ppb	0.6221	0.6	736.225
Ti 334.941	129.243	ppb	0.4371	0.3	24702.9
Tl 190.794	42.0264	ppb	2.0399	4.9	22.8570
V 292.401	104.394	ppb	0.2157	0.2	1374.16
Zn 206.200	102.780	ppb	1.3928	1.4	61.4914

680-104619-e-2-b (Samp) **8/29/2014, 9:30:33 PM** **Rack 2, Tube 32**

Weight: 1 **Volume: 1** **Dilution: 1**

Label	Replicates Concentration		
Ag 328.068	-0.4988u	-0.3334u	-0.3537u
Al 308.215	9835.85	9830.96	9845.03
As 188.980	13.6490	6.4797	14.7248

Label	Replicates Concentration		
B 249.678	5.7235	5.9812	4.3655
Ba 389.178	57.8327	58.3105	57.9215
Be 313.042	0.3231	0.3157	0.3180
Ca 370.602	332622	332092	328652
Cd 226.502	1.2298	1.0283	1.1265
Co 228.615	1.4353	1.9627	2.2199
Cr 267.716	49.3124	49.3849	49.2712
Cu 324.754	59.7088	58.6487	59.3698
Fe 271.441	16728.4	16756.5	16689.6
K 766.491	1635.42	1629.43	1628.03
Mg 279.078	3484.40	3482.85	3478.45
Mn 257.610	283.964	283.992	283.336
Mo 202.032	1.4183	1.7857	0.5417
Na 330.237	435.150	284.444	365.213
Ni 231.604	16.6205	14.8592	15.9053
Pb 220.353	105.700	104.203	108.286
Sb 206.834	-4.5919u	-2.6392u	-2.6205u
Se 196.026	-6.1892u	-9.7191u	-8.4645u
Sn 189.925	11.3952	13.9064	12.2003
Sr 216.596	1344.37	1349.41	1342.02
Ti 334.941	423.957	424.870	421.964
Tl 190.794	-3.6718u	-1.8664u	0.8641u
V 292.401	27.3661	27.6474	26.9463
Zn 206.200	212.431	207.567	207.445

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.3953	ppb	0.0902	22.8	-33.1070
Al 308.215	9837.28	ppb	7.1425	0.1	48045.1
As 188.980	11.6179	ppb	4.4821	38.6	2.0589
B 249.678	5.3568	ppb	0.8680	16.2	103.558
Ba 389.178	58.0216	ppb	0.2541	0.4	835.219
Be 313.042	0.3189	ppb	0.0038	1.2	128.497
Ca 370.602	331122	ppb	2156	0.7	579881
Cd 226.502	1.1282	ppb	0.1008	8.9	87.6728
Co 228.615	1.8726	ppb	0.4000	21.4	24.2183
Cr 267.716	49.3228	ppb	0.0576	0.1	1467.16
Cu 324.754	59.2424	ppb	0.5414	0.9	2724.69
Fe 271.441	16724.8	ppb	33.5703	0.2	13045.9
K 766.491	1630.96	ppb	3.9263	0.2	46389.3
Mg 279.078	3481.90	ppb	3.0875	0.1	5674.79
Mn 257.610	283.764	ppb	0.3705	0.1	35113.4
Mo 202.032	1.2486	ppb	0.6391	51.2	8.7444
Na 330.237	361.602	ppb	75.4181	20.9	25.8375
Ni 231.604	15.7950	ppb	0.8858	5.6	28.4874
Pb 220.353	106.063	ppb	2.0655	1.9	96.6543
Sb 206.834	-3.2839	ppb	1.1328	34.5	-0.7588
Se 196.026	-8.1243	ppb	1.7894	22.0	0.1429
Sn 189.925	12.5006	ppb	1.2823	10.3	3.9122
Sr 216.596	1345.27	ppb	3.7734	0.3	9067.83
Ti 334.941	423.597	ppb	1.4859	0.4	80916.1
Tl 190.794	-1.5581	ppb	2.2836	146.6	-4.6122
V 292.401	27.3199	ppb	0.3528	1.3	363.309
Zn 206.200	209.148	ppb	2.8442	1.4	125.338

680-104619-e-3-b (Samp) **8/29/2014, 9:34:50 PM** **Rack 2, Tube 33**

Weight: 1 **Volume: 1** **Dilution: 1**

Label	Replicates Concentration		
Ag 328.068	-0.4336u	0.1695	-0.1570u
Al 308.215	3463.12	3478.56	3453.81
As 188.980	-3.0749u	-4.7446u	0.0444
B 249.678	-1.1370u	-1.4626u	-1.8305u
Ba 389.178	15.7975	14.5833	15.8516
Be 313.042	0.1225	0.1217	0.1092
Ca 370.602	51489	51768	51362
Cd 226.502	2.4725	2.6436	2.6942
Co 228.615	-0.0180	-0.0480	0.1365
Cr 267.716	16.9312	17.0582	16.8462
Cu 324.754	11.0995	11.1267	11.2809
Fe 271.441	3126.11	3146.63	3134.98
K 766.491	215.673	215.980	215.420
Mg 279.078	548.963	555.581	549.140
Mn 257.610	45.7387	45.9714	45.4964
Mo 202.032	0.0719	0.0319	0.1370
Na 330.237	-2.0320u	4.9485u	30.7061u
Ni 231.604	4.4636	3.3443	4.6657
Pb 220.353	32.3088	38.0003	35.9484
Sb 206.834	0.7520	-2.5990u	0.3037
Se 196.026	-2.2747u	-0.8666u	-5.1765u
Sn 189.925	8.8901	4.7698	7.1663
Sr 216.596	281.009	281.985	280.099
Ti 334.941	67.9156	67.6163	67.4492
Tl 190.794	-7.5918u	-3.5351u	-2.6995u
V 292.401	6.4878	6.0199	6.3754
Zn 206.200	64.2711	69.1460	66.8474

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.1404	ppb	0.3019	215.1	5.3524
Al 308.215	3465.16	ppb	12.5015	0.4	17120.8
As 188.980	-2.5917	ppb	2.4308	93.8	-3.0153
B 249.678	-1.4767	ppb	0.3470	23.5	57.9379
Ba 389.178	15.4108	ppb	0.7172	4.7	190.449
Be 313.042	0.1178	ppb	0.0074	6.3	-120.922
Ca 370.602	51540	ppb	207.4	0.4	90274
Cd 226.502	2.6034	ppb	0.1161	4.5	75.4532
Co 228.615	0.0235	ppb	0.0990	420.8	9.5588
Cr 267.716	16.9452	ppb	0.1067	0.6	512.223
Cu 324.754	11.1690	ppb	0.0978	0.9	789.798
Fe 271.441	3135.91	ppb	10.2932	0.3	2442.79
K 766.491	215.691	ppb	0.2804	0.1	6286.50
Mg 279.078	551.228	ppb	3.7712	0.7	908.222
Mn 257.610	45.7355	ppb	0.2375	0.5	5687.05
Mo 202.032	0.0802	ppb	0.0530	66.1	4.4843
Na 330.237	11.2075	ppb	17.2432	153.9	17.4938
Ni 231.604	4.1579	ppb	0.7118	17.1	6.3414
Pb 220.353	35.4192	ppb	2.8824	8.1	33.1116
Sb 206.834	-0.5145	ppb	1.8192	353.6	1.1732
Se 196.026	-2.7726	ppb	2.1976	79.3	1.4139
Sn 189.925	6.9421	ppb	2.0693	29.8	1.4788
Sr 216.596	281.031	ppb	0.9432	0.3	1891.46

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ti 334.941	67.6604	ppb	0.2363	0.3	12937.2
Tl 190.794	-4.6088	ppb	2.6169	56.8	-5.5399
V 292.401	6.2944	ppb	0.2443	3.9	79.3778
Zn 206.200	66.7548	ppb	2.4388	3.7	40.0175

680-104619-e-4-b (Samp) **8/29/2014, 9:39:07 PM** **Rack 2, Tube 34**

Weight: 1 **Volume: 1** **Dilution: 1**

Label	Replicates Concentration		
Ag 328.068	0.1293	-0.2451u	-0.4504u
Al 308.215	2911.75	2919.84	2913.23
As 188.980	2.4626	-1.9160u	0.9790
B 249.678	-2.9186u	-3.3387u	-3.3324u
Ba 389.178	15.3308	14.9982	14.9254
Be 313.042	0.0647	0.0693	0.0767
Ca 370.602	2371	2370	2356
Cd 226.502	-0.1508	-0.1568	0.1209
Co 228.615	-0.3528u	-0.2056u	-0.1330u
Cr 267.716	7.5046	7.3184	7.3269
Cu 324.754	2.8762	2.9793	3.0541
Fe 271.441	1773.54	1785.00	1777.46
K 766.491	125.035	125.261	124.888
Mg 279.078	194.247	196.010	194.857
Mn 257.610	6.5176	6.6337	6.5126
Mo 202.032	-0.3085u	0.5467	0.2755
Na 330.237	-46.5247u	125.799	71.1154
Ni 231.604	1.9371	0.8815	1.4717
Pb 220.353	8.3284	4.5525	4.9261
Sb 206.834	-1.2607u	-2.0262u	0.5737
Se 196.026	-7.4248u	-2.3640u	5.2352
Sn 189.925	8.7586	5.4262	6.3514
Sr 216.596	31.3011	31.6287	31.8324
Ti 334.941	41.4885	40.3979	40.0717
Tl 190.794	-4.8354u	2.2789	-1.7209u
V 292.401	3.1322	2.6707	3.2462
Zn 206.200	4.6297	5.7897	7.8540

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.1887	ppb	0.2939	155.7	8.2287
Al 308.215	2914.94	ppb	4.3055	0.1	14450.3
As 188.980	0.5085	ppb	2.2269	437.9	-1.9039
B 249.678	-3.1966	ppb	0.2407	7.5	43.7711
Ba 389.178	15.0848	ppb	0.2161	1.4	184.742
Be 313.042	0.0702	ppb	0.0061	8.6	-176.768
Ca 370.602	2365	ppb	8.344	0.4	4162
Cd 226.502	-0.0622	ppb	0.1586	254.9	8.6773
Co 228.615	-0.2304	ppb	0.1120	48.6	7.7833
Cr 267.716	7.3833	ppb	0.1051	1.4	231.083
Cu 324.754	2.9699	ppb	0.0893	3.0	460.023
Fe 271.441	1778.66	ppb	5.8263	0.3	1383.75
K 766.491	125.061	ppb	0.1880	0.2	3718.44
Mg 279.078	195.038	ppb	0.8950	0.5	328.974
Mn 257.610	6.5546	ppb	0.0685	1.0	845.340
Mo 202.032	0.1712	ppb	0.4371	255.2	4.8855

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Na 330.237	50.1300	ppb	88.0579	175.7	19.6094
Ni 231.604	1.4301	ppb	0.5290	37.0	1.2435
Pb 220.353	5.9357	ppb	2.0806	35.1	6.7117
Sb 206.834	-0.9044	ppb	1.3361	147.7	0.7404
Se 196.026	-1.5179	ppb	6.3722	419.8	1.7233
Sn 189.925	6.8454	ppb	1.7202	25.1	1.4365
Sr 216.596	31.5874	ppb	0.2681	0.8	214.039
Ti 334.941	40.6527	ppb	0.7420	1.8	7778.88
Tl 190.794	-1.4258	ppb	3.5663	250.1	-3.5107
V 292.401	3.0164	ppb	0.3047	10.1	35.5521
Zn 206.200	6.0911	ppb	1.6332	26.8	3.5476

680-104619-e-5-b (Samp) **8/29/2014, 9:43:24 PM** **Rack 2, Tube 35**

Weight: 1 **Volume: 1** **Dilution: 1**

Label	Replicates Concentration		
Ag 328.068	-0.1832u	-0.2864u	-0.5650u
Al 308.215	3269.81	3226.72	3239.16
As 188.980	-3.9689u	-1.6756u	-3.9281u
B 249.678	-3.7155u	-3.8070u	-3.7917u
Ba 389.178	11.1137	10.0826	10.1362
Be 313.042	0.1059	0.1110	0.1140
Ca 370.602	2479	2462	2467
Cd 226.502	-0.0880	0.0203	0.0013
Co 228.615	-0.7757u	-0.4423u	-0.0929u
Cr 267.716	10.3488	9.8269	10.2221
Cu 324.754	1.2668	0.7747	1.0058
Fe 271.441	1332.37	1325.56	1343.38
K 766.491	61.5190	60.5033	61.4446
Mg 279.078	108.671	108.100	110.861
Mn 257.610	5.0259	5.0062	5.0072
Mo 202.032	-0.4319u	-0.2710u	-0.7130u
Na 330.237	83.5776	15.7511	-86.5182u
Ni 231.604	0.5103	0.6751	0.8659
Pb 220.353	1.4137	3.5094	1.1947
Sb 206.834	-0.9044u	-0.8120u	0.1970
Se 196.026	-0.2721u	-4.7812u	0.0113
Sn 189.925	10.5158	10.4953	8.2592
Sr 216.596	28.6512	26.6029	28.3720
Ti 334.941	28.8342	28.9043	29.1637
Tl 190.794	1.1777	-5.8046u	1.1188
V 292.401	2.6343	2.4794	2.6497
Zn 206.200	3.3600	4.4368	2.5748

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.3449	ppb	0.1975	57.3	-0.2348
Al 308.215	3245.23	ppb	22.1775	0.7	16051.6
As 188.980	-3.1908	ppb	1.3124	41.1	-3.2246
B 249.678	-3.7714	ppb	0.0490	1.3	39.0328
Ba 389.178	10.4442	ppb	0.5804	5.6	115.124
Be 313.042	0.1103	ppb	0.0041	3.7	-137.381
Ca 370.602	2469	ppb	8.812	0.4	4343
Cd 226.502	-0.0222	ppb	0.0578	261.0	8.0931
Co 228.615	-0.4370	ppb	0.3414	78.1	6.4893

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Cr 267.716	10.1326	ppb	0.2722	2.7	311.659
Cu 324.754	1.0158	ppb	0.2462	24.2	381.383
Fe 271.441	1333.77	ppb	8.9889	0.7	1036.59
K 766.491	61.1556	ppb	0.5661	0.9	1907.61
Mg 279.078	109.211	ppb	1.4576	1.3	189.196
Mn 257.610	5.0131	ppb	0.0111	0.2	653.895
Mo 202.032	-0.4720	ppb	0.2237	47.4	2.3395
Na 330.237	4.2702	ppb	85.6271	2005.2	18.1076
Ni 231.604	0.6838	ppb	0.1779	26.0	-0.1543
Pb 220.353	2.0393	ppb	1.2779	62.7	3.2148
Sb 206.834	-0.5065	ppb	0.6109	120.6	1.1047
Se 196.026	-1.6807	ppb	2.6889	160.0	1.6792
Sn 189.925	9.7567	ppb	1.2970	13.3	2.7110
Sr 216.596	27.8754	ppb	1.1108	4.0	188.985
Ti 334.941	28.9674	ppb	0.1735	0.6	5547.19
Tl 190.794	-1.1693	ppb	4.0143	343.3	-3.3215
V 292.401	2.5878	ppb	0.0942	3.6	29.6759
Zn 206.200	3.4572	ppb	0.9348	27.0	1.9686

640-48980-a-19-a (Samp) **8/29/2014, 9:47:41 PM** **Rack 2, Tube 36**

Weight: 1 **Volume: 1** **Dilution: 1**

Label	Replicates Concentration		
Ag 328.068	2.1574	1.9897	2.2859
Al 308.215	12857.0	12976.0	12834.9
As 188.980	3.8098	1.5947	-2.3189u
B 249.678	65.1551	65.6397	64.8782
Ba 389.178	59.4170	59.3859	58.7999
Be 313.042	0.1072	0.1075	0.1147
Ca 370.602	123556	124393	122910
Cd 226.502	-0.1802	-0.0719	-0.1947
Co 228.615	386.054	388.388	382.977
Cr 267.716	10.3326	10.5305	9.9941
Cu 324.754	24.4504	24.6458	24.4782
Fe 271.441	13759.9	13882.4	13722.4
K 766.491	1324.84	1337.32	1327.17
Mg 279.078	3965.96	3988.33	3965.13
Mn 257.610	872.691	879.785	867.951
Mo 202.032	0.8084	0.7426	1.3305
Na 330.237	1429.10u	1373.83u	1455.05u
Ni 231.604	23.5689	21.6541	21.6635
Pb 220.353	54.1017	57.6384	53.1453
Sb 206.834	0.6933	-1.3329u	1.3159
Se 196.026	-9.3269u	4.0802	-1.6632u
Sn 189.925	26.2105	24.3439	22.3032
Sr 216.596	106.740	107.008	105.974
Ti 334.941	1331.73	1344.08	1330.18
Tl 190.794	-1.5494u	-4.5143u	-2.0689u
V 292.401	17.8964	18.0209	18.0657
Zn 206.200	19244.3	19375.2	19125.8

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	2.1444	ppb	0.1485	6.9	136.306
Al 308.215	12889.3	ppb	75.9424	0.6	62841.9

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
As 188.980	1.0285	ppb	3.1033	301.7	-1.7039
B 249.678	65.2244	ppb	0.3854	0.6	660.311
Ba 389.178	59.2009	ppb	0.3476	0.6	852.209
Be 313.042	0.1098	ppb	0.0042	3.9	-114.549
Ca 370.602	123619	ppb	743.6	0.6	216779
Cd 226.502	-0.1489	ppb	0.0671	45.1	47.8715
Co 228.615	385.806	ppb	2.7139	0.7	2204.51
Cr 267.716	10.2858	ppb	0.2712	2.6	322.969
Cu 324.754	24.5248	ppb	0.1057	0.4	1328.94
Fe 271.441	13788.2	ppb	83.6655	0.6	10777.5
K 766.491	1329.78	ppb	6.6370	0.5	37855.1
Mg 279.078	3973.14	ppb	13.1592	0.3	6466.54
Mn 257.610	873.476	ppb	5.9563	0.7	107918
Mo 202.032	0.9605	ppb	0.3221	33.5	7.6845
Na 330.237	1419.33	ppb	41.4835	2.9	-83.4168
Ni 231.604	22.2955	ppb	1.1028	4.9	39.7739
Pb 220.353	54.9618	ppb	2.3668	4.3	50.5628
Sb 206.834	0.2254	ppb	1.3850	614.4	1.9808
Se 196.026	-2.3033	ppb	6.7264	292.0	1.6932
Sn 189.925	24.2859	ppb	1.9543	8.0	9.0714
Sr 216.596	106.574	ppb	0.5365	0.5	747.805
Ti 334.941	1335.33	ppb	7.6177	0.6	255033
Tl 190.794	-2.7109	ppb	1.5833	58.4	-4.2764
V 292.401	17.9943	ppb	0.0877	0.5	246.651
Zn 206.200	19248.4	ppb	124.743	0.6	11587.5

Cont Calib Verif (CCV) **8/29/2014, 9:51:58 PM** **Rack 2, Tube 37**

Weight: 1 **Volume: 1** **Dilution: 1**

Label	Replicates Concentration		
Ag 328.068	509.351	516.506	515.305
Al 308.215	4876.38	4878.00	4892.60
As 188.980	485.525	476.659	491.316
B 249.678	494.239	497.415	500.529
Ba 389.178	5040.37	5046.03	5053.04
Be 313.042	517.739	519.277	520.453
Ca 370.602	5019	5039	5083
Cd 226.502	496.453	497.533	498.622
Co 228.615	503.730	504.959	507.224
Cr 267.716	5019.68	5028.34	5047.90
Cu 324.754	5031.92	5049.15	4955.47
Fe 271.441	5068.27	5079.62	5093.71
K 766.491	10146.4	10163.2	10199.5
Mg 279.078	4952.54	4976.71	4984.70
Mn 257.610	5107.04	5106.74	5125.53
Mo 202.032	506.957	509.574	508.895
Na 330.237	7473.73	7703.75	7616.26
Ni 231.604	2515.20	2524.31	2525.04
Pb 220.353	496.364	497.474	493.873
Sb 206.834	979.114	971.345	975.842
Se 196.026	4892.28	4866.89	4922.22
Sn 189.925	5042.33	5036.91	5042.72
Sr 216.596	2503.24	2515.96	2514.25
Ti 334.941	496.917	498.124	497.648

Label	Replicates Concentration		
Tl 190.794	5030.61	5079.68	5085.51
V 292.401	5077.42	5088.53	5107.30
Zn 206.200	2489.22	2500.41	2501.20

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Ag 328.068	513.720	ppb	3.8317	0.7	28254.6	102.74408
Al 308.215	4882.33	ppb	8.9315	0.2	24378.9	97.64656
As 188.980	484.500	ppb	7.3822	1.5	171.266	96.89992
B 249.678	497.394	ppb	3.1449	0.6	4671.38	99.47889
Ba 389.178	5046.48	ppb	6.3467	0.1	75414.1	100.92959
Be 313.042	519.156	ppb	1.3606	0.3	508880	103.83124
Ca 370.602	5047	ppb	32.63	0.6	9063	100.94110
Cd 226.502	497.536	ppb	1.0844	0.2	11620.0	99.50720
Co 228.615	505.305	ppb	1.7724	0.4	2868.26	101.06090
Cr 267.716	5031.98	ppb	14.4578	0.3	147709	100.63950
Cu 324.754	5012.18	ppb	49.8627	1.0	201724	100.24355
Fe 271.441	5080.53	ppb	12.7422	0.3	4015.70	101.61069
K 766.491	10169.7	ppb	27.1485	0.3	288342	101.69698
Mg 279.078	4971.32	ppb	16.7435	0.3	8041.16	99.42631
Mn 257.610	5113.10	ppb	10.7676	0.2	631357	102.26203
Mo 202.032	508.475	ppb	1.3580	0.3	2023.45	101.69505
Na 330.237	7597.91	ppb	116.099	1.5	264.372	101.30551
Ni 231.604	2521.52	ppb	5.4794	0.2	4647.01	100.86066
Pb 220.353	495.904	ppb	1.8441	0.4	447.041	99.18079
Sb 206.834	975.434	ppb	3.9006	0.4	882.557	97.54338
Se 196.026	4893.80	ppb	27.6969	0.6	1255.50	97.87595
Sn 189.925	5040.65	ppb	3.2455	0.1	2205.06	100.81302
Sr 216.596	2511.15	ppb	6.9024	0.3	16738.7	100.44582
Ti 334.941	497.563	ppb	0.6076	0.1	95041.9	99.51263
Tl 190.794	5065.27	ppb	30.1563	0.6	3093.29	101.30533
V 292.401	5091.09	ppb	15.1035	0.3	67529.7	101.82171
Zn 206.200	2496.94	ppb	6.7010	0.3	1494.43	99.87768

Cont Calib Blank (CCB) **8/29/2014, 9:56:14 PM** **Rack 2, Tube 38**

Weight: 1 **Volume: 1** **Dilution: 1**

Label	Replicates Concentration		
Ag 328.068	-0.4185u	0.1870	0.0394
Al 308.215	1.5855	1.7502	3.9279
As 188.980	2.5482	-2.1864u	0.7100
B 249.678	5.3779	3.5031	3.4458
Ba 389.178	0.2944	0.6663	0.5422
Be 313.042	0.0208	0.0277	0.0283
Ca 370.602	-2.873u	1.143	-0.2286u
Cd 226.502	0.0272	-0.0800u	-0.2745u
Co 228.615	-0.5579u	0.1633	0.7724
Cr 267.716	0.2355	0.2701	0.5836
Cu 324.754	0.1204	0.1398	0.7289
Fe 271.441	2.1988	-3.1479u	8.3388
K 766.491	1.4065	0.7518	1.2970
Mg 279.078	-1.4135u	3.8071	2.1465
Mn 257.610	0.2374	0.2345	0.6632
Mo 202.032	0.0715	0.0005	-0.0268u
Na 330.237	-111.968u	-165.127u	-7.3129u

Label	Replicates Concentration		
Ni 231.604	0.2951	-0.5616u	0.6623
Pb 220.353	-2.6956u	-2.4271u	-3.2427u
Sb 206.834	-0.6268u	-0.6807u	0.8078
Se 196.026	-6.1559u	1.9754	-3.0359u
Sn 189.925	1.8367	0.0049	-4.2019u
Sr 216.596	0.0857	0.1589	0.6707
Ti 334.941	-0.0327u	-0.0694u	0.0056
Tl 190.794	3.5817	-2.6071u	-0.8315u
V 292.401	0.8491	0.8768	0.5360
Zn 206.200	3.1399	-1.6060u	-0.4381u

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Ag 328.068	-0.0640	ppb	0.3157	493.0	15.9448	-0.06403
Al 308.215	2.4212	ppb	1.3075	54.0	321.615	2.42121
As 188.980	0.3573	ppb	2.3869	668.1	-1.9683	0.35726
B 249.678	4.1089	ppb	1.0994	26.8	113.539	4.10891
Ba 389.178	0.5010	ppb	0.1893	37.8	-34.1132	0.50099
Be 313.042	0.0256	ppb	0.0042	16.4	-221.137	0.02559
Ca 370.602	-0.6530	ppb	2.042	312.7	19.89	-0.65297
Cd 226.502	-0.1091	ppb	0.1530	140.2	1.4975	-0.10909
Co 228.615	0.1259	ppb	0.6660	528.8	9.3093	0.12595
Cr 267.716	0.3631	ppb	0.1918	52.8	24.4764	0.36310
Cu 324.754	0.3297	ppb	0.3459	104.9	353.525	0.32973
Fe 271.441	2.4632	ppb	5.7479	233.3	-2.1639	2.46323
K 766.491	1.1518	ppb	0.3507	30.4	207.350	1.15178
Mg 279.078	1.5133	ppb	2.6673	176.2	14.6696	1.51334
Mn 257.610	0.3783	ppb	0.2467	65.2	78.8904	0.37835
Mo 202.032	0.0151	ppb	0.0507	336.5	4.3146	0.01508
Na 330.237	-94.8028	ppb	80.2952	84.7	14.9269	-94.80280
Ni 231.604	0.1319	ppb	0.6280	476.1	-1.2410	0.13192
Pb 220.353	-2.7885	ppb	0.4157	14.9	-1.1221	-2.78849
Sb 206.834	-0.1666	ppb	0.8443	506.7	1.2993	-0.16661
Se 196.026	-2.4055	ppb	4.1021	170.5	1.4863	-2.40547
Sn 189.925	-0.7868	ppb	3.0961	393.5	-1.9046	-0.78676
Sr 216.596	0.3051	ppb	0.3187	104.5	3.4259	0.30512
Ti 334.941	-0.0322	ppb	0.0375	116.6	8.7171	-0.03216
Tl 190.794	0.0477	ppb	3.1867	6681.0	-2.4821	0.04770
V 292.401	0.7540	ppb	0.1893	25.1	5.0097	0.75398
Zn 206.200	0.3653	ppb	2.4728	677.0	0.1579	0.36528

640-48980-a-20-a (Samp) **8/29/2014, 10:00:31 PM** **Rack 2, Tube 39**

Weight: 1 **Volume: 1** **Dilution: 1**

Label	Replicates Concentration		
Ag 328.068	2.9968	2.7378	2.7348
Al 308.215	24027.8	23942.7	23973.1
As 188.980	-1.0432u	-5.6596u	-3.3181u
B 249.678	74.7900	75.2060	74.9018
Ba 389.178	-3.4971u	-3.0102u	-3.4848u
Be 313.042	0.1129	0.1230	0.1059
Ca 370.602	14355	14303	14362
Cd 226.502	-1.1263	-1.1806	-0.9819
Co 228.615	11.1496	10.7529	11.3163
Cr 267.716	22.1886	22.1809	22.0128

Label	Replicates Concentration		
Cu 324.754	139.396	139.046	139.030
Fe 271.441	42120.2	41980.0	42021.8
K 766.491	4844.19	4819.00	4833.66
Mg 279.078	4617.51	4602.81	4613.19
Mn 257.610	41.8332	41.8044	41.7995
Mo 202.032	2.1436	1.4424	1.2680
Na 330.237	8387.09u	8388.15u	8612.06u
Ni 231.604	20.1041	20.4706	19.6406
Pb 220.353	8.3196	7.4051	11.6112
Sb 206.834	0.0689	-0.1503	0.7269
Se 196.026	-8.2721u	-4.7271u	5.5128
Sn 189.925	35.2269	35.2639	32.8217
Sr 216.596	27.2069	28.3339	27.2314
Ti 334.941	2537.92	2534.21	2516.44
Tl 190.794	0.3480u	0.1226u	-1.4817u
V 292.401	5.7614	5.6320	5.6462
Zn 206.200	71598.7x	71668.2x	71660.3x

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	2.8231b	ppb	0.1504	5.3	169.661
Al 308.215	23981.2b	ppb	43.1030	0.2	116676
As 188.980	-3.3403b	ppb	2.3083	69.1	-3.3047
B 249.678	74.9660b	ppb	0.2153	0.3	714.007
Ba 389.178	-3.3307b	ppb	0.2776	8.3	-71.5773
Be 313.042	0.1139b	ppb	0.0086	7.6	-129.349
Ca 370.602	14340b	ppb	32.08	0.2	25511
Cd 226.502	-1.0963b	ppb	0.1027	9.4	122.564
Co 228.615	11.0729b	ppb	0.2894	2.6	99.1110
Cr 267.716	22.1274b	ppb	0.0994	0.4	676.751
Cu 324.754	139.157b	ppb	0.2068	0.1	5942.21
Fe 271.441	42040.7b	ppb	71.9785	0.2	32799.4
K 766.491	4832.28b	ppb	12.6502	0.3	137102
Mg 279.078	4611.17b	ppb	7.5537	0.2	7512.90
Mn 257.610	41.8124b	ppb	0.0182	0.0	5286.39
Mo 202.032	1.6180b	ppb	0.4635	28.6	9.5309
Na 330.237	8462.44b	ppb	129.583	1.5	-243.951
Ni 231.604	20.0718b	ppb	0.4159	2.1	37.6946
Pb 220.353	9.1120b	ppb	2.2122	24.3	10.1929
Sb 206.834	0.2151b	ppb	0.4565	212.2	2.6092
Se 196.026	-2.4954b	ppb	7.1583	286.9	1.6810
Sn 189.925	34.4375b	ppb	1.3994	4.1	13.5160
Sr 216.596	27.5907b	ppb	0.6437	2.3	216.050
Ti 334.941	2529.52b	ppb	11.4829	0.5	483095
Tl 190.794	-0.3370b	ppb	0.9977	296.0	-5.8360
V 292.401	5.6799b	ppb	0.0710	1.2	96.9162
Zn 206.200	71642.4xb	ppb	38.0358	0.1	43129.1

640-48980-a-21-a (Samp) **8/29/2014, 10:04:47 PM** **Rack 2, Tube 40**

Weight: 1 **Volume: 1** **Dilution: 1**

Label	Replicates Concentration		
Ag 328.068	7.3260	7.6871	7.5326
Al 308.215	141119	141060	140981
As 188.980	0.6184	10.6046	2.7925

Label	Replicates Concentration		
B 249.678	299.224	299.567	299.498
Ba 389.178	71.0939	70.6707	71.4328
Be 313.042	0.6551	0.6620	0.6689
Ca 370.602	1018123x	1004272x	1002722x
Cd 226.502	2.0060	2.1818	2.0481
Co 228.615	1211.98	1212.28	1211.54
Cr 267.716	51.2988	51.2088	50.8691
Cu 324.754	74.0338	74.4746	74.9111
Fe 271.441	8725.93	8708.33	8686.11
K 766.491	10333.6	10344.4	10337.6
Mg 279.078	53183.0	53198.0	53075.8
Mn 257.610	200.482	200.275	200.008
Mo 202.032	5.3207	5.1665	6.0768
Na 330.237	33287.2	33118.0	33137.4
Ni 231.604	107.035	106.245	105.578
Pb 220.353	26.4670	22.4469	23.2269
Sb 206.834	-0.3694	0.2880	-4.9183u
Se 196.026	1.6699	-8.9522u	-10.7678u
Sn 189.925	60.6660	63.9278	64.7331
Sr 216.596	731.919	729.361	732.119
Ti 334.941	10132.3	10102.2	10036.2
Tl 190.794	-1.5449	6.5585	-6.0363u
V 292.401	47.2485	46.1334	47.0062
Zn 206.200	12676.1	12653.3	12604.1

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	7.5152b	ppb	0.1812	2.4	414.832
Al 308.215	141053b	ppb	69.3169	0.0	684456
As 188.980	4.6719b	ppb	5.2517	112.4	0.3429
B 249.678	299.430b	ppb	0.1815	0.1	2829.98
Ba 389.178	71.0658b	ppb	0.3818	0.5	1073.61
Be 313.042	0.6620b	ppb	0.0069	1.0	593.748
Ca 370.602	1008372xb	ppb	8480	0.8	1768574
Cd 226.502	2.0786b	ppb	0.0918	4.4	82.8884
Co 228.615	1211.93b	ppb	0.3714	0.0	6967.25
Cr 267.716	51.1256b	ppb	0.2266	0.4	1530.01
Cu 324.754	74.4732b	ppb	0.4386	0.6	3334.72
Fe 271.441	8706.79b	ppb	19.9531	0.2	6862.83
K 766.491	10338.5b	ppb	5.4790	0.1	293126
Mg 279.078	53152.3b	ppb	66.6558	0.1	86506.1
Mn 257.610	200.255b	ppb	0.2377	0.1	25009.8
Mo 202.032	5.5214b	ppb	0.4872	8.8	25.9426
Na 330.237	33180.9b	ppb	92.5805	0.3	1069.75
Ni 231.604	106.286b	ppb	0.7291	0.7	193.177
Pb 220.353	24.0469b	ppb	2.1318	8.9	18.9638
Sb 206.834	-1.6666b	ppb	2.8352	170.1	0.4718
Se 196.026	-6.0167b	ppb	6.7184	111.7	0.6319
Sn 189.925	63.1090b	ppb	2.1537	3.4	26.0725
Sr 216.596	731.133b	ppb	1.5379	0.2	5099.13
Ti 334.941	10090.3b	ppb	49.1823	0.5	1927047
Tl 190.794	-0.3409b	ppb	6.3832	1872.5	-1.1866
V 292.401	46.7960b	ppb	0.5865	1.3	694.121
Zn 206.200	12644.5b	ppb	36.8017	0.3	7611.88

640-48980-a-22-a (Samp) **8/29/2014, 10:09:04 PM** **Rack 2, Tube 41**

Weight: 1 **Volume: 1** **Dilution: 1**

Label	Replicates Concentration		
Ag 328.068	7.9512	8.5267	8.2815
Al 308.215	38433.0	38505.1	38505.4
As 188.980	8.3367	5.6641	-1.8613u
B 249.678	21.1821	20.3246	20.4111
Ba 389.178	107.006	107.075	106.741
Be 313.042	0.2586	0.2581	0.2674
Ca 370.602	443315	444904	448112
Cd 226.502	-0.1837	-0.1208	-0.1129
Co 228.615	986.163	990.793	990.181
Cr 267.716	27.7129	27.7653	28.1868
Cu 324.754	56.5464	56.5905	56.6730
Fe 271.441	37908.7	38017.3	38099.3
K 766.491	10835.8	10835.0	10831.2
Mg 279.078	29812.4	29922.5	29941.4
Mn 257.610	906.019	909.130	911.255
Mo 202.032	2.5324	2.5385	1.2393
Na 330.237	-351.492u	-839.182u	-369.861u
Ni 231.604	71.2365	71.2539	72.8244
Pb 220.353	29.9018	34.7263	37.5360
Sb 206.834	-2.5297u	4.4307	-0.1378
Se 196.026	-3.7264u	-3.1943u	-4.3927u
Sn 189.925	72.3557	60.6303	65.5215
Sr 216.596	293.040	293.199	292.498
Ti 334.941	2900.63	2897.26	2907.74
Tl 190.794	-3.8047u	-3.1453u	-2.7722u
V 292.401	31.1380	31.6328	31.6508
Zn 206.200	112756x	113143x	113519x

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	8.2531b	ppb	0.2888	3.5	464.957
Al 308.215	38481.2b	ppb	41.6890	0.1	186995
As 188.980	4.0465b	ppb	5.2879	130.7	-0.5639
B 249.678	20.6393b	ppb	0.4721	2.3	217.439
Ba 389.178	106.940b	ppb	0.1766	0.2	1598.99
Be 313.042	0.2614b	ppb	0.0053	2.0	97.4646
Ca 370.602	445443b	ppb	2443	0.5	780608
Cd 226.502	-0.1392b	ppb	0.0388	27.9	131.203
Co 228.615	989.046b	ppb	2.5153	0.3	5632.67
Cr 267.716	27.8883b	ppb	0.2598	0.9	846.925
Cu 324.754	56.6033b	ppb	0.0642	0.1	2623.64
Fe 271.441	38008.4b	ppb	95.6102	0.3	29711.8
K 766.491	10834.0b	ppb	2.4757	0.0	307166
Mg 279.078	29892.1b	ppb	69.6792	0.2	48654.7
Mn 257.610	908.801b	ppb	2.6334	0.3	112436
Mo 202.032	2.1034b	ppb	0.7484	35.6	11.5566
Na 330.237	-520.179b	ppb	276.418	53.1	-877.269
Ni 231.604	71.7716b	ppb	0.9118	1.3	131.408
Pb 220.353	34.0547b	ppb	3.8612	11.3	32.0372
Sb 206.834	0.5878b	ppb	3.5365	601.7	2.8959
Se 196.026	-3.7711b	ppb	0.6005	15.9	1.4444
Sn 189.925	66.1692b	ppb	5.8895	8.9	27.4056
Sr 216.596	292.912b	ppb	0.3671	0.1	2074.84

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Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ti 334.941	2901.88b	ppb	5.3514	0.2	554235
Tl 190.794	-3.2407b	ppb	0.5229	16.1	-5.3575
V 292.401	31.4739b	ppb	0.2910	0.9	441.914
Zn 206.200	113139xb	ppb	381.577	0.3	68111.0

640-48980-a-23-a (Samp) **8/29/2014, 10:13:20 PM** **Rack 2, Tube 42**

Weight: 1 **Volume: 1** **Dilution: 1**

Label	Replicates Concentration		
Ag 328.068	8.6040	8.7415	8.9839
Al 308.215	24868.5	24876.6	24830.8
As 188.980	12.7974	-0.1503u	2.3787
B 249.678	45.9210	46.9694	46.0723
Ba 389.178	78.1232	79.1785	77.8615
Be 313.042	0.0965	0.0866	0.0855
Ca 370.602	346211	351542	347192
Cd 226.502	-0.2012	-0.3518	-0.2677
Co 228.615	1029.95	1024.55	1021.19
Cr 267.716	34.2348	34.4625	34.1631
Cu 324.754	642.970	649.484	646.131
Fe 271.441	68707.1	68736.4	68530.4
K 766.491	966.393	963.682	961.548
Mg 279.078	40882.5	40858.5	40799.4
Mn 257.610	732.504	731.180	731.268
Mo 202.032	5.2537	4.5288	4.3700
Na 330.237	-803.612u	-719.182u	-807.096u
Ni 231.604	18.3168	16.7667	18.3618
Pb 220.353	21.4252	24.7716	17.2925
Sb 206.834	-5.9885u	2.9174	-3.1563u
Se 196.026	2.9539	3.5497	-10.2043u
Sn 189.925	154.047	163.188	149.359
Sr 216.596	376.000	378.206	374.981
Ti 334.941	3218.36	3230.90	3201.62
Tl 190.794	1.4105u	0.2099u	-1.8122u
V 292.401	18.5279	19.3628	19.3991
Zn 206.200	22920.6	22932.2	22911.5

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	8.7765	ppb	0.1924	2.2	487.979
Al 308.215	24858.7	ppb	24.4474	0.1	120960
As 188.980	5.0086	ppb	6.8628	137.0	-0.4050
B 249.678	46.3209	ppb	0.5667	1.2	415.407
Ba 389.178	78.3877	ppb	0.6972	0.9	1193.60
Be 313.042	0.0895	ppb	0.0061	6.8	-94.7837
Ca 370.602	348315	ppb	2837	0.8	610372
Cd 226.502	-0.2736	ppb	0.0754	27.6	232.747
Co 228.615	1025.23	ppb	4.4180	0.4	5841.53
Cr 267.716	34.2868	ppb	0.1563	0.5	1043.57
Cu 324.754	646.195	ppb	3.2573	0.5	26323.5
Fe 271.441	68658.0	ppb	111.449	0.2	53628.2
K 766.491	963.875	ppb	2.4282	0.3	27486.9
Mg 279.078	40846.8	ppb	42.7588	0.1	66493.6
Mn 257.610	731.650	ppb	0.7405	0.1	90662.9
Mo 202.032	4.7175	ppb	0.4711	10.0	21.1232

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Na 330.237	-776.630	ppb	49.7820	6.4	-200.910
Ni 231.604	17.8151	ppb	0.9082	5.1	33.3697
Pb 220.353	21.1631	ppb	3.7464	17.7	21.6643
Sb 206.834	-2.0758	ppb	4.5502	219.2	1.2110
Se 196.026	-1.2336	ppb	7.7746	630.3	2.2257
Sn 189.925	155.531	ppb	7.0334	4.5	66.5259
Sr 216.596	376.396	ppb	1.6485	0.4	2632.19
Ti 334.941	3216.96	ppb	14.6882	0.5	614421
Tl 190.794	-0.0639	ppb	1.6287	2547.0	-5.7249
V 292.401	19.0966	ppb	0.4928	2.6	285.144
Zn 206.200	22921.4	ppb	10.3751	0.0	13797.3

640-48980-a-24-a^10 (Samp) **8/29/2014, 10:17:37 PM** **Rack 2, Tube 43**

Weight: 1 **Volume: 1** **Dilution: 1**

Label	Replicates Concentration		
Ag 328.068	0.1655	0.5279	0.6259
Al 308.215	5129.07	5106.03	5071.70
As 188.980	-2.0330u	-0.4689u	2.7785
B 249.678	3.0513	2.6634	2.9774
Ba 389.178	117.123	115.928	115.472
Be 313.042	0.0482	0.0484	0.0474
Ca 370.602	51551	51078	50795
Cd 226.502	0.4112	0.3327	0.5739
Co 228.615	236.673	235.443	233.380
Cr 267.716	147.451	146.457	145.808
Cu 324.754	6.0833	5.8282	6.1167
Fe 271.441	3913.25	3880.78	3854.70
K 766.491	129.750	128.757	127.645
Mg 279.078	745.309	743.543	740.946
Mn 257.610	79.8244	79.0405	78.5835
Mo 202.032	-0.1417u	0.3847	-0.2052u
Na 330.237	225.908u	322.143u	350.623u
Ni 231.604	3.5899	3.7082	4.4889
Pb 220.353	2144.16	2124.84	2117.76
Sb 206.834	-0.5922	-0.4974	1.2826
Se 196.026	12.0231	2.3628	-2.9059u
Sn 189.925	13.6050	12.6965	11.2572
Sr 216.596	106.577	104.733	104.290
Ti 334.941	1350.90	1345.44	1337.94
Tl 190.794	-0.6831u	-3.4730u	-1.3690u
V 292.401	2.1945	2.0564	1.5974
Zn 206.200	3909.41	3885.83	3873.04

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	0.4398	ppb	0.2425	55.2	41.1207
Al 308.215	5102.27	ppb	28.8665	0.6	25060.6
As 188.980	0.0922	ppb	2.4543	2662.4	-2.0479
B 249.678	2.8974	ppb	0.2060	7.1	97.3713
Ba 389.178	116.174	ppb	0.8523	0.7	1697.22
Be 313.042	0.0480	ppb	0.0005	1.1	-189.776
Ca 370.602	51142	ppb	382.2	0.7	89919
Cd 226.502	0.4393	ppb	0.1231	28.0	27.5920
Co 228.615	235.165	ppb	1.6642	0.7	1352.68

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Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Cr 267.716	146.572	ppb	0.8277	0.6	4319.19
Cu 324.754	6.0094	ppb	0.1578	2.6	582.666
Fe 271.441	3882.91	ppb	29.3345	0.8	3039.83
K 766.491	128.717	ppb	1.0531	0.8	3822.03
Mg 279.078	743.266	ppb	2.1950	0.3	1220.06
Mn 257.610	79.1495	ppb	0.6276	0.8	9814.66
Mo 202.032	0.0126	ppb	0.3238	2568.3	4.1971
Na 330.237	299.558	ppb	65.3531	21.8	-3.6472
Ni 231.604	3.9290	ppb	0.4885	12.4	5.6152
Pb 220.353	2128.92	ppb	13.6671	0.6	1903.92
Sb 206.834	0.0643	ppb	1.0561	1641.2	2.5842
Se 196.026	3.8266	ppb	7.5714	197.9	3.1112
Sn 189.925	12.5196	ppb	1.1839	9.5	3.9204
Sr 216.596	105.200	ppb	1.2131	1.2	717.218
Ti 334.941	1344.76	ppb	6.5096	0.5	256829
Tl 190.794	-1.8417	ppb	1.4538	78.9	-3.4977
V 292.401	1.9494	ppb	0.3126	16.0	28.7489
Zn 206.200	3889.43	ppb	18.4484	0.5	2341.11

640-48980-a-25-a (Samp) **8/29/2014, 10:21:53 PM** **Rack 2, Tube 44**

Weight: 1 **Volume: 1** **Dilution: 1**

Label	Replicates Concentration		
Ag 328.068	5.4286	5.8329	5.5553
Al 308.215	71112.2	70889.6	71111.6
As 188.980	10.2554	14.7092	8.3668
B 249.678	80.1704	80.2210	79.9104
Ba 389.178	2759.87	2750.73	2758.05
Be 313.042	0.1564	0.1407	0.1446
Ca 370.602	817168x	817386x	817094x
Cd 226.502	9.2466	9.1779	9.0525
Co 228.615	1916.49	1919.62	1908.95
Cr 267.716	830.178	827.025	830.245
Cu 324.754	107.959	107.732	107.172
Fe 271.441	52007.0	51707.5	51994.8
K 766.491	3253.77	3246.17	3263.62
Mg 279.078	11844.1	11814.9	11858.5
Mn 257.610	1072.03	1067.57	1070.17
Mo 202.032	8.2113	7.5266	7.1082
Na 330.237	14120.0	14373.0	14426.7
Ni 231.604	53.1231	51.2279	49.6322
Pb 220.353	13987.9	13921.7	13931.2
Sb 206.834	10.4499	12.7702	5.7562
Se 196.026	2.0180	3.8970	6.9878
Sn 189.925	274.061	276.709	271.312
Sr 216.596	1149.08	1144.22	1147.12
Ti 334.941	9324.68	9269.45	9247.42
Tl 190.794	-0.6566u	-4.7093u	-6.1046u
V 292.401	41.8717	41.7898	41.1779
Zn 206.200	6770.96	6731.85	6793.31

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	5.6056b	ppb	0.2068	3.7	299.428
Al 308.215	71037.8b	ppb	128.362	0.2	344915

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
As 188.980	11.1105b	ppb	3.2565	29.3	2.0994
B 249.678	80.1006b	ppb	0.1666	0.2	748.984
Ba 389.178	2756.22b	ppb	4.8393	0.2	41191.6
Be 313.042	0.1472b	ppb	0.0082	5.6	47.3899
Ca 370.602	817216xb	ppb	152.0	0.0	1433295
Cd 226.502	9.1590b	ppb	0.0984	1.1	395.273
Co 228.615	1915.02b	ppb	5.4836	0.3	10936.5
Cr 267.716	829.149b	ppb	1.8401	0.2	24380.7
Cu 324.754	107.621b	ppb	0.4051	0.4	4677.05
Fe 271.441	51903.1b	ppb	169.478	0.3	40609.1
K 766.491	3254.52b	ppb	8.7473	0.3	92394.3
Mg 279.078	11839.2b	ppb	22.1975	0.2	19256.2
Mn 257.610	1069.92b	ppb	2.2435	0.2	132277
Mo 202.032	7.6153b	ppb	0.5569	7.3	33.0935
Na 330.237	14306.6b	ppb	163.810	1.1	445.994
Ni 231.604	51.3277b	ppb	1.7476	3.4	93.0038
Pb 220.353	13946.9b	ppb	35.7747	0.3	12465.8
Sb 206.834	9.6588b	ppb	3.5733	37.0	16.5578
Se 196.026	4.3009b	ppb	2.5094	58.3	3.6008
Sn 189.925	274.027b	ppb	2.6986	1.0	118.402
Sr 216.596	1146.80b	ppb	2.4423	0.2	7864.03
Ti 334.941	9280.51b	ppb	39.8029	0.4	1772363
Tl 190.794	-3.8235b	ppb	2.8300	74.0	-5.1233
V 292.401	41.6131b	ppb	0.3792	0.9	610.150
Zn 206.200	6765.37b	ppb	31.1055	0.5	4070.10

640-48980-a-26-a (Samp) **8/29/2014, 10:26:10 PM** **Rack 2, Tube 45**

Weight: 1 **Volume: 1** **Dilution: 1**

Label	Replicates Concentration		
Ag 328.068	3.8322	3.9948	3.3043
Al 308.215	69763.4	69308.4	69303.6
As 188.980	9.5563	9.1583	3.0402
B 249.678	44.5651	44.2753	44.5115
Ba 389.178	7789.80	7734.82	7738.04
Be 313.042	0.1034	0.0986	0.0905
Ca 370.602	544097	538478	541455
Cd 226.502	0.8368	0.9726	1.1588
Co 228.615	1996.79	1998.41	1991.13
Cr 267.716	66.5122	66.0324	66.1777
Cu 324.754	34.5115	34.4830	34.2749
Fe 271.441	10360.8	10289.4	10311.3
K 766.491	2441.24	2421.51	2407.66
Mg 279.078	10378.6	10290.6	10306.9
Mn 257.610	787.239	780.280	782.111
Mo 202.032	1.7988	2.2315	1.6442
Na 330.237	4086.57	3915.42	3768.52
Ni 231.604	57.2822	57.6431	56.1306
Pb 220.353	7506.95	7481.16	7482.34
Sb 206.834	10.5847	3.8822	-0.4365
Se 196.026	6.2865	0.4343	-16.3318u
Sn 189.925	187.740	176.680	183.430
Sr 216.596	495.312	489.863	491.342
Ti 334.941	12799.2	12711.6	12677.2

Label	Replicates Concentration		
Tl 190.794	0.3596	-5.8983u	-5.0746u
V 292.401	20.4914	20.2785	19.3345
Zn 206.200	5519.83	5498.09	5532.10

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	3.7104	ppb	0.3610	9.7	213.529
Al 308.215	69458.5	ppb	264.065	0.4	337202
As 188.980	7.2516	ppb	3.6526	50.4	0.8564
B 249.678	44.4506	ppb	0.1542	0.3	472.833
Ba 389.178	7754.22	ppb	30.8575	0.4	115891
Be 313.042	0.0975	ppb	0.0065	6.7	-50.8145
Ca 370.602	541343	ppb	2811	0.5	951425
Cd 226.502	0.9894	ppb	0.1616	16.3	62.8769
Co 228.615	1995.44	ppb	3.8226	0.2	11425.3
Cr 267.716	66.2408	ppb	0.2461	0.4	1978.27
Cu 324.754	34.4231	ppb	0.1292	0.4	1725.82
Fe 271.441	10320.5	ppb	36.5609	0.4	8168.39
K 766.491	2423.47	ppb	16.8780	0.7	68845.9
Mg 279.078	10325.3	ppb	46.8333	0.5	16795.7
Mn 257.610	783.210	ppb	3.6073	0.5	96798.5
Mo 202.032	1.8915	ppb	0.3044	16.1	11.4754
Na 330.237	3923.50	ppb	159.181	4.1	93.1913
Ni 231.604	57.0186	ppb	0.7900	1.4	101.259
Pb 220.353	7490.15	ppb	14.5640	0.2	6691.87
Sb 206.834	4.6768	ppb	5.5534	118.7	6.1963
Se 196.026	-3.2037	ppb	11.7398	366.5	1.4338
Sn 189.925	182.616	ppb	5.5747	3.1	78.3837
Sr 216.596	492.172	ppb	2.8179	0.6	3406.85
Ti 334.941	12729.3	ppb	62.9175	0.5	2430992
Tl 190.794	-3.5378	ppb	3.4002	96.1	-1.7741
V 292.401	20.0348	ppb	0.6158	3.1	358.991
Zn 206.200	5516.67	ppb	17.2237	0.3	3320.71

640-48980-a-27-a^10 (Samp) **8/29/2014, 10:30:26 PM** **Rack 2, Tube 46**

Weight: 1 **Volume: 1** **Dilution: 1**

Label	Replicates Concentration		
Ag 328.068	1.1055	0.7339	0.6457
Al 308.215	5969.96	5060.42	5078.04
As 188.980	3.4492	1.5871	-1.9101u
B 249.678	2.1807	0.8267	0.9910
Ba 389.178	205.497	174.474	175.525
Be 313.042	0.0557	0.0651	0.0671
Ca 370.602	68541	58096	58574
Cd 226.502	0.4533	0.6560	0.3970
Co 228.615	262.504	222.744	224.311
Cr 267.716	132.178	112.090	113.066
Cu 324.754	23.4718	19.6948	20.2610
Fe 271.441	6171.81	5232.48	5244.99
K 766.491	594.386	513.603	516.619
Mg 279.078	1007.57	846.536	854.942
Mn 257.610	292.678	248.630	251.413
Mo 202.032	0.8670	0.2084	0.3315
Na 330.237	220.207u	213.227u	208.623u

Label	Replicates Concentration		
Ni 231.604	6.3897	4.4116	5.0070
Pb 220.353	4209.42	3576.31	3619.89
Sb 206.834	5.3356	-0.6934	-2.0221u
Se 196.026	-0.7054u	-10.8872u	4.7426
Sn 189.925	19.2684	16.9893	15.8994
Sr 216.596	140.368	118.667	119.372
Ti 334.941	978.197	825.865	833.271
Tl 190.794	-4.0913u	0.4615	0.8219
V 292.401	7.8370	6.7745	6.5158
Zn 206.200	1259.28	1065.81	1085.54

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	0.8284	ppb	0.2440	29.5	62.4919
Al 308.215	5369.47	ppb	520.114	9.7	26359.0
As 188.980	1.0420	ppb	2.7209	261.1	-1.7123
B 249.678	1.3328	ppb	0.7389	55.4	80.8084
Ba 389.178	185.165	ppb	17.6152	9.5	2729.34
Be 313.042	0.0626	ppb	0.0061	9.7	-173.893
Ca 370.602	61737	ppb	5897	9.6	108338
Cd 226.502	0.5021	ppb	0.1362	27.1	34.7348
Co 228.615	236.519	ppb	22.5167	9.5	1355.48
Cr 267.716	119.112	ppb	11.3267	9.5	3513.46
Cu 324.754	21.1425	ppb	2.0369	9.6	1191.14
Fe 271.441	5549.76	ppb	538.748	9.7	4340.43
K 766.491	541.536	ppb	45.7943	8.5	15519.6
Mg 279.078	903.015	ppb	90.6431	10.0	1477.78
Mn 257.610	264.241	ppb	24.6673	9.3	32670.7
Mo 202.032	0.4690	ppb	0.3502	74.7	5.9639
Na 330.237	214.019	ppb	5.8322	2.7	14.8275
Ni 231.604	5.2695	ppb	1.0148	19.3	8.1683
Pb 220.353	3801.87	ppb	353.615	9.3	3399.39
Sb 206.834	0.8734	ppb	3.9211	449.0	3.1284
Se 196.026	-2.2833	ppb	7.9335	347.5	1.5791
Sn 189.925	17.3857	ppb	1.7191	9.9	6.0507
Sr 216.596	126.136	ppb	12.3307	9.8	860.186
Ti 334.941	879.111	ppb	85.8905	9.8	167903
Tl 190.794	-0.9360	ppb	2.7385	292.6	-3.0123
V 292.401	7.0424	ppb	0.7002	9.9	93.7597
Zn 206.200	1136.88	ppb	106.467	9.4	684.019

640-48980-a-28-a (Samp) **8/29/2014, 10:34:43 PM** **Rack 2, Tube 47**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Replicates Concentration		
Ag 328.068	5.4679	5.6739	5.6197
Al 308.215	92197.3	92217.3	91712.1
As 188.980	8.6424	10.1482	2.3362
B 249.678	1003.06	1007.40	1005.67
Ba 389.178	46646.0x	46781.8x	46542.6x
Be 313.042	0.5763	0.5614	0.5474
Ca 370.602	323983	322490	321427
Cd 226.502	13.8088	14.4496	14.2372
Co 228.615	2750.09	2776.07	2741.55
Cr 267.716	6178.11	6191.48	6132.24

Label	Replicates Concentration		
Cu 324.754	278.734	276.660	277.148
Fe 271.441	187501	187705	185858
K 766.491	5060.85	5046.26	5016.94
Mg 279.078	14259.4	14252.3	14175.2
Mn 257.610	1461.50	1463.80	1451.27
Mo 202.032	12.2148	13.1127	12.2197
Na 330.237	-8392.49u	-8270.59u	-8468.27u
Ni 231.604	96.3923	99.3379	99.0223
Pb 220.353	9951.21	9967.33	9917.94
Sb 206.834	-3.4733	9.4602	3.9863
Se 196.026	2.0728	0.5311	-4.8958u
Sn 189.925	420.820	418.509	421.654
Sr 216.596	643.180	643.155	639.551
Ti 334.941	5507.12	5466.12	5393.54
Tl 190.794	2.6408u	7.2688u	-5.9315u
V 292.401	49.6210	50.1681	49.7890
Zn 206.200	149788x	150280x	149317x

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	5.5872b	ppb	0.1068	1.9	296.641
Al 308.215	92042.3b	ppb	286.078	0.3	446952
As 188.980	7.0423b	ppb	4.1445	58.9	0.2874
B 249.678	1005.38b	ppb	2.1822	0.2	9122.81
Ba 389.178	46656.8xb	ppb	119.965	0.3	697518
Be 313.042	0.5617b	ppb	0.0145	2.6	358.470
Ca 370.602	322634b	ppb	1284	0.4	565147
Cd 226.502	14.1652b	ppb	0.3264	2.3	972.702
Co 228.615	2755.91b	ppb	17.9806	0.7	15661.4
Cr 267.716	6167.28b	ppb	31.0708	0.5	181110
Cu 324.754	277.514b	ppb	1.0844	0.4	11536.2
Fe 271.441	187021b	ppb	1012.75	0.5	146090
K 766.491	5041.35b	ppb	22.3623	0.4	143026
Mg 279.078	14229.0b	ppb	46.7147	0.3	23137.0
Mn 257.610	1458.86b	ppb	6.6714	0.5	180533
Mo 202.032	12.5158b	ppb	0.5170	4.1	48.8919
Na 330.237	-8377.12b	ppb	99.7306	1.2	-1462.63
Ni 231.604	98.2509b	ppb	1.6173	1.6	185.249
Pb 220.353	9945.50b	ppb	25.1856	0.3	8897.75
Sb 206.834	3.3244b	ppb	6.4921	195.3	50.2984
Se 196.026	-0.7640b	ppb	3.6604	479.1	3.0305
Sn 189.925	420.328b	ppb	1.6293	0.4	182.442
Sr 216.596	641.962b	ppb	2.0879	0.3	4476.55
Ti 334.941	5455.59b	ppb	57.5156	1.1	1041921
Tl 190.794	1.3260b	ppb	6.6976	505.1	-10.5632
V 292.401	49.8593b	ppb	0.2803	0.6	600.454
Zn 206.200	149795xb	ppb	481.571	0.3	90164.5

640-48980-a-29-a (Samp) **8/29/2014, 10:39:00 PM** **Rack 2, Tube 48**

Weight: 1 **Volume: 1** **Dilution: 1**

Label	Replicates Concentration		
Ag 328.068	6.5144	6.4420	6.3558
Al 308.215	100235	100169	99652.6
As 188.980	17.0890	20.3661	14.1775

Label	Replicates Concentration		
B 249.678	36.4753	34.4101	33.2308
Ba 389.178	13459.5x	13444.6x	13385.2x
Be 313.042	0.3431	0.3342	0.3388
Ca 370.602	266021	264770	263564
Cd 226.502	34.5760	34.0174	34.2492
Co 228.615	1563.58	1578.34	1568.91
Cr 267.716	65.4585	65.1506	65.1893
Cu 324.754	411.830	413.121	410.053
Fe 271.441	84059.3	84080.2	83740.3
K 766.491	1915.52	1918.39	1913.31
Mg 279.078	9711.74	9705.80	9648.71
Mn 257.610	725.410	724.905	722.137
Mo 202.032	3.9141	5.5286	4.0791
Na 330.237	-1032.62u	-1653.15u	-1245.72u
Ni 231.604	57.9982	54.5580	51.8248
Pb 220.353	17237.8	17260.2	17171.5
Sb 206.834	16.7343	25.0932	20.9253
Se 196.026	-10.1565u	-1.3902	-0.6237
Sn 189.925	204.748	207.613	203.176
Sr 216.596	478.367	479.005	476.249
Ti 334.941	8986.17	8994.20	8876.91
Tl 190.794	4.4894u	3.4313u	5.9278
V 292.401	35.2804	35.2256	34.6103
Zn 206.200	68710.1x	68675.1x	68242.9x

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	6.4374b	ppb	0.0794	1.2	356.218
Al 308.215	100019b	ppb	318.825	0.3	485519
As 188.980	17.2109b	ppb	3.0961	18.0	4.3358
B 249.678	34.7054b	ppb	1.6423	4.7	288.911
Ba 389.178	13429.8xb	ppb	39.2901	0.3	200761
Be 313.042	0.3387b	ppb	0.0044	1.3	135.239
Ca 370.602	264785b	ppb	1228	0.5	465543
Cd 226.502	34.2809b	ppb	0.2806	0.8	1089.93
Co 228.615	1570.28b	ppb	7.4733	0.5	8984.08
Cr 267.716	65.2661b	ppb	0.1677	0.3	1963.22
Cu 324.754	411.668b	ppb	1.5407	0.4	16902.6
Fe 271.441	83959.9b	ppb	190.469	0.2	65600.5
K 766.491	1915.74b	ppb	2.5485	0.1	54458.8
Mg 279.078	9688.75b	ppb	34.8030	0.4	15753.1
Mn 257.610	724.151b	ppb	1.7622	0.2	89626.7
Mo 202.032	4.5073b	ppb	0.8883	19.7	19.8600
Na 330.237	-1310.50b	ppb	315.296	24.1	-580.074
Ni 231.604	54.7937b	ppb	3.0934	5.6	101.566
Pb 220.353	17223.2b	ppb	46.1038	0.3	15394.8
Sb 206.834	20.9176b	ppb	4.1795	20.0	21.7821
Se 196.026	-4.0568b	ppb	5.2964	130.6	1.5774
Sn 189.925	205.179b	ppb	2.2495	1.1	88.2592
Sr 216.596	477.873b	ppb	1.4428	0.3	3301.86
Ti 334.941	8952.42b	ppb	65.5213	0.7	1709708
Tl 190.794	4.6161b	ppb	1.2531	27.1	-3.0515
V 292.401	35.0388b	ppb	0.3721	1.1	542.748
Zn 206.200	68542.7xb	ppb	260.231	0.4	41261.8

Cont Calib Verif (CCV) **8/29/2014, 10:43:17 PM** **Rack 2, Tube 49**

Weight: 1 **Volume: 1** **Dilution: 1**

Label	Replicates Concentration		
Ag 328.068	520.589	517.869	513.935
Al 308.215	4882.79	4880.20	4882.03
As 188.980	478.868	495.130	485.479
B 249.678	501.866	503.440	506.280
Ba 389.178	5013.03	5012.09	5054.46
Be 313.042	523.361	523.374	522.493
Ca 370.602	5165	5175	5152
Cd 226.502	498.805	497.887	497.582
Co 228.615	512.369	511.754	509.375
Cr 267.716	5076.21	5075.25	5068.84
Cu 324.754	5115.51	5103.90	5023.78
Fe 271.441	5166.79	5154.32	5134.65
K 766.491	10334.6	10333.9	10317.7
Mg 279.078	4970.24	4961.49	4967.67
Mn 257.610	5160.66	5136.11	5158.77
Mo 202.032	507.362	504.694	506.976
Na 330.237	7309.58	7307.30	7449.31
Ni 231.604	2509.52	2508.18	2508.45
Pb 220.353	491.359	485.293	488.498
Sb 206.834	989.576	987.268	985.576
Se 196.026	4978.09	4942.41	4913.01
Sn 189.925	5027.33	5032.23	5045.92
Sr 216.596	2510.92	2503.26	2506.14
Ti 334.941	501.822	502.181	502.840
Tl 190.794	5087.04	5077.42	5064.10
V 292.401	5180.40	5181.23	5164.21
Zn 206.200	2472.65	2474.21	2483.24

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Ag 328.068	517.464	ppb	3.3454	0.6	28461.3	103.49278
Al 308.215	4881.67	ppb	1.3327	0.0	24380.2	97.63345
As 188.980	486.492	ppb	8.1782	1.7	171.979	97.29839
B 249.678	503.862	ppb	2.2369	0.4	4731.09	100.77234
Ba 389.178	5026.53	ppb	24.1962	0.5	75115.9	100.53058
Be 313.042	523.076	ppb	0.5050	0.1	512725	104.61521
Ca 370.602	5164	ppb	11.40	0.2	9270	103.27734
Cd 226.502	498.091	ppb	0.6365	0.1	11633.1	99.61823
Co 228.615	511.166	ppb	1.5812	0.3	2901.48	102.23321
Cr 267.716	5073.44	ppb	4.0077	0.1	148926	101.46871
Cu 324.754	5081.06	ppb	49.9459	1.0	204492	101.62127
Fe 271.441	5151.92	ppb	16.2017	0.3	4071.78	103.03841
K 766.491	10328.7	ppb	9.5162	0.1	292848	103.28724
Mg 279.078	4966.47	ppb	4.4943	0.1	8032.75	99.32932
Mn 257.610	5151.85	ppb	13.6596	0.3	636141	103.03694
Mo 202.032	506.344	ppb	1.4416	0.3	2014.93	101.26881
Na 330.237	7355.40	ppb	81.3389	1.1	256.009	98.07196
Ni 231.604	2508.72	ppb	0.7083	0.0	4623.41	100.34869
Pb 220.353	488.383	ppb	3.0346	0.6	440.320	97.67668
Sb 206.834	987.473	ppb	2.0076	0.2	892.979	98.74733
Se 196.026	4944.50	ppb	32.5903	0.7	1268.48	98.89010
Sn 189.925	5035.16	ppb	9.6340	0.2	2202.66	100.70323
Sr 216.596	2506.77	ppb	3.8713	0.2	16710.0	100.27094

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Ti 334.941	502.281	ppb	0.5166	0.1	95942.9	100.45618
Tl 190.794	5076.19	ppb	11.5195	0.2	3100.03	101.52381
V 292.401	5175.28	ppb	9.5986	0.2	68649.4	103.50562
Zn 206.200	2476.70	ppb	5.7148	0.2	1482.26	99.06796

Cont Calib Blank (CCB) **8/29/2014, 10:47:34 PM** **Rack 2, Tube 50**

Weight: 1 **Volume: 1** **Dilution: 1**

Label	Replicates Concentration		
Ag 328.068	-0.2720u	0.0917	-0.4215u
Al 308.215	5.1521	7.3207	6.0267
As 188.980	-2.7558u	1.8658	-3.4660u
B 249.678	6.7018	5.0291	4.4545
Ba 389.178	0.7848	0.5864	0.6132
Be 313.042	0.0371	0.0362	0.0359
Ca 370.602	8.206	7.987	9.253
Cd 226.502	-0.1008u	0.2107	-0.0800u
Co 228.615	-0.8617u	0.0959	-0.2139u
Cr 267.716	0.2129	0.2936	0.1485
Cu 324.754	0.1637	0.2632	0.2114
Fe 271.441	-1.1496u	-3.4266u	-7.3960u
K 766.491	1.2308	1.2079	1.0828
Mg 279.078	-0.1266u	-1.6049u	-2.0546u
Mn 257.610	0.2900	0.3277	0.3230
Mo 202.032	0.1865	-0.0368u	0.2004
Na 330.237	-46.9635u	-47.8896u	-57.9031u
Ni 231.604	0.1141	1.2808	-0.0019u
Pb 220.353	0.6883	-0.5571u	0.5432
Sb 206.834	-2.7622u	2.5885	4.8030
Se 196.026	4.6558	-7.8802u	-2.4957u
Sn 189.925	-1.1890u	-1.6030u	-2.3759u
Sr 216.596	0.2596	0.3463	0.0969
Ti 334.941	0.3474	0.4798	0.4837
Tl 190.794	-1.5261u	-2.4441u	-1.3769u
V 292.401	0.2415	0.2940	0.6183
Zn 206.200	-0.2891u	2.0671	-0.0577u

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Ag 328.068	-0.2006	ppb	0.2640	131.6	8.4371	-0.20061
Al 308.215	6.1665	ppb	1.0910	17.7	339.763	6.16650
As 188.980	-1.4520	ppb	2.8951	199.4	-2.6159	-1.45202
B 249.678	5.3951	ppb	1.1675	21.6	125.428	5.39511
Ba 389.178	0.6615	ppb	0.1076	16.3	-31.7157	0.66148
Be 313.042	0.0364	ppb	0.0006	1.8	-210.535	0.03643
Ca 370.602	8.482	ppb	0.6766	8.0	36.04	8.48213
Cd 226.502	0.0100	ppb	0.1742	1745.8	4.2619	0.00998
Co 228.615	-0.3266	ppb	0.4886	149.6	6.7535	-0.32659
Cr 267.716	0.2183	ppb	0.0727	33.3	20.2284	0.21833
Cu 324.754	0.2128	ppb	0.0498	23.4	348.829	0.21277
Fe 271.441	-3.9907	ppb	3.1612	79.2	-7.2237	-3.99071
K 766.491	1.1739	ppb	0.0797	6.8	207.976	1.17385
Mg 279.078	-1.2620	ppb	1.0087	79.9	10.1518	-1.26202
Mn 257.610	0.3136	ppb	0.0205	6.5	70.8831	0.31356
Mo 202.032	0.1167	ppb	0.1331	114.1	4.7192	0.11671

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Na 330.237	-50.9187	ppb	6.0664	11.9	16.4641	-50.91874
Ni 231.604	0.4643	ppb	0.7095	152.8	-0.6277	0.46433
Pb 220.353	0.2248	ppb	0.6810	303.0	1.5708	0.22477
Sb 206.834	1.5431	ppb	3.8894	252.0	2.7873	1.54312
Se 196.026	-1.9067	ppb	6.2887	329.8	1.6139	-1.90671
Sn 189.925	-1.7226	ppb	0.6025	35.0	-2.3143	-1.72264
Sr 216.596	0.2342	ppb	0.1266	54.1	2.9609	0.23425
Ti 334.941	0.4370	ppb	0.0776	17.8	98.2994	0.43696
Tl 190.794	-1.7824	ppb	0.5779	32.4	-3.5995	-1.78238
V 292.401	0.3846	ppb	0.2041	53.1	0.0967	0.38462
Zn 206.200	0.5734	ppb	1.2987	226.5	0.2836	0.57343

640-48980-a-30-a (Samp) **8/29/2014, 10:51:50 PM** **Rack 2, Tube 51**

Weight: 1 **Volume: 1** **Dilution: 1**

Label	Replicates Concentration		
Ag 328.068	6.6523	6.6939	6.3030
Al 308.215	104097	104663	104587
As 188.980	5.6028	19.5115	10.9748
B 249.678	29.0410	29.2816	29.2171
Ba 389.178	154.009	155.888	155.120
Be 313.042	0.2717	0.2870	0.2680
Ca 370.602	1049269x	1056016x	1053432x
Cd 226.502	1.0612	1.3112	1.2875
Co 228.615	1519.14	1525.92	1527.91
Cr 267.716	42.3098	42.0374	42.2259
Cu 324.754	40.8950	41.0570	41.2003
Fe 271.441	85092.4	85216.7	85231.0
K 766.491	1517.46	1533.84	1533.40
Mg 279.078	17560.0	17635.6	17621.9
Mn 257.610	244.822	244.755	244.871
Mo 202.032	2.1858	1.4371	1.5264
Na 330.237	-963.482u	-969.633u	-1041.23u
Ni 231.604	33.4979	38.5167	35.8217
Pb 220.353	99.9187	100.068	102.556
Sb 206.834	-0.6466	0.4507	4.5796
Se 196.026	3.3847	2.2680	-10.5172u
Sn 189.925	63.3210	64.8290	65.2142
Sr 216.596	375.960	376.709	375.799
Ti 334.941	4066.92	4056.17	3946.79
Tl 190.794	-4.4498u	-0.6852u	-8.9393u
V 292.401	49.6476	50.1611	49.9064
Zn 206.200	971.669	972.808	965.103

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	6.5497b	ppb	0.2147	3.3	361.260
Al 308.215	104449b	ppb	307.439	0.3	507009
As 188.980	12.0297b	ppb	7.0141	58.3	2.5025
B 249.678	29.1799b	ppb	0.1245	0.4	236.158
Ba 389.178	155.006b	ppb	0.9450	0.6	2323.35
Be 313.042	0.2756b	ppb	0.0100	3.6	220.558
Ca 370.602	1052905xb	ppb	3404	0.3	1844350
Cd 226.502	1.2200b	ppb	0.1380	11.3	323.243
Co 228.615	1524.32b	ppb	4.5964	0.3	8672.64

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Cr 267.716	42.1910b	ppb	0.1395	0.3	1280.03
Cu 324.754	41.0507b	ppb	0.1528	0.4	2009.63
Fe 271.441	85180.0b	ppb	76.1862	0.1	66549.3
K 766.491	1528.24b	ppb	9.3328	0.6	43478.6
Mg 279.078	17605.9b	ppb	40.2864	0.2	28646.5
Mn 257.610	244.816b	ppb	0.0579	0.0	30487.2
Mo 202.032	1.7164b	ppb	0.4089	23.8	8.7184
Na 330.237	-991.449b	ppb	43.2236	4.4	-44.5630
Ni 231.604	35.9454b	ppb	2.5117	7.0	66.9102
Pb 220.353	100.848b	ppb	1.4812	1.5	92.4962
Sb 206.834	1.4612b	ppb	2.7558	188.6	4.6888
Se 196.026	-1.6215b	ppb	7.7241	476.4	2.1467
Sn 189.925	64.4548b	ppb	1.0006	1.6	26.6558
Sr 216.596	376.156b	ppb	0.4857	0.1	2786.02
Ti 334.941	4023.29b	ppb	66.4709	1.7	768386
Tl 190.794	-4.6914b	ppb	4.1323	88.1	-9.0320
V 292.401	49.9050b	ppb	0.2567	0.5	703.548
Zn 206.200	969.860b	ppb	4.1587	0.4	581.576

640-48980-a-31-a (Samp) **8/29/2014, 10:56:07 PM** **Rack 2, Tube 52**

Weight: 1 **Volume: 1** **Dilution: 1**

Label	Replicates Concentration		
Ag 328.068	10.3974	10.5422	10.3802
Al 308.215	95350.0	95619.1	96468.0
As 188.980	6.6956	13.6970	14.6996
B 249.678	603.856	608.190	615.573
Ba 389.178	10141.7	10134.5	10230.5
Be 313.042	0.2974	0.3159	0.3161
Ca 370.602	593159	596324	595597
Cd 226.502	15.8290	15.7683	15.9896
Co 228.615	2604.55	2610.85	2633.22
Cr 267.716	66.2456	66.2159	66.4727
Cu 324.754	36.9953	37.2973	37.8285
Fe 271.441	20602.6	20596.5	20742.0
K 766.491	2553.75	2561.90	2600.93
Mg 279.078	21400.4	21426.9	21608.7
Mn 257.610	908.596	911.624	916.742
Mo 202.032	2.6520	1.2233	2.2606
Na 330.237	-6416.56u	-5909.55u	-6553.57u
Ni 231.604	45.8577	48.7544	47.2553
Pb 220.353	13884.9	13912.3	13995.6
Sb 206.834	21.9128	32.6531	24.7736
Se 196.026	11.4691	-3.4675u	-10.0319u
Sn 189.925	170.093	175.608	177.002
Sr 216.596	416.838	417.998	417.739
Ti 334.941	10774.4	10798.3	10793.8
Tl 190.794	-6.7468u	-3.3210	0.1054
V 292.401	34.2344	34.0012	34.8927
Zn 206.200	101766x	101972x	102342x

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	10.4400b	ppb	0.0890	0.9	584.611
Al 308.215	95812.3b	ppb	583.522	0.6	465035

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
As 188.980	11.6974b	ppb	4.3606	37.3	2.5607
B 249.678	609.206b	ppb	5.9239	1.0	5676.11
Ba 389.178	10168.9b	ppb	53.4736	0.5	152002
Be 313.042	0.3098b	ppb	0.0108	3.5	170.559
Ca 370.602	595027b	ppb	1657	0.3	1044834
Cd 226.502	15.8623b	ppb	0.1143	0.7	445.173
Co 228.615	2616.21b	ppb	15.0670	0.6	14915.3
Cr 267.716	66.3114b	ppb	0.1405	0.2	1979.92
Cu 324.754	37.3737b	ppb	0.4218	1.1	1846.73
Fe 271.441	20647.0b	ppb	82.2679	0.4	16262.4
K 766.491	2572.19b	ppb	25.2201	1.0	73060.1
Mg 279.078	21478.7b	ppb	113.406	0.5	34945.0
Mn 257.610	912.321b	ppb	4.1172	0.5	112806
Mo 202.032	2.0453b	ppb	0.7383	36.1	11.7950
Na 330.237	-6293.22b	ppb	339.262	5.4	-1003.12
Ni 231.604	47.2891b	ppb	1.4487	3.1	83.0212
Pb 220.353	13930.9b	ppb	57.6771	0.4	12449.2
Sb 206.834	26.4465b	ppb	5.5621	21.0	25.3792
Se 196.026	-0.6768b	ppb	11.0188	1628.1	2.1491
Sn 189.925	174.234b	ppb	3.6539	2.1	74.7120
Sr 216.596	417.525b	ppb	0.6094	0.1	2925.59
Ti 334.941	10788.9b	ppb	12.7357	0.1	2060426
Tl 190.794	-3.3208b	ppb	3.4261	103.2	-1.3191
V 292.401	34.3761b	ppb	0.4623	1.3	536.720
Zn 206.200	102027xb	ppb	292.099	0.3	61421.6

RLV (Samp) **8/29/2014, 11:00:23 PM** **Rack 2, Tube 53**

Weight: 1 **Volume: 1** **Dilution: 1**

Label	Replicates Concentration		
Ag 328.068	-0.1013u	0.4631	0.2498
Al 308.215	19499.4	19488.5	19702.8
As 188.980	-9.8602u	-2.1726u	1.6016
B 249.678	7.3703	5.4046	5.3262
Ba 389.178	2.8904	3.0273	3.0575
Be 313.042	0.0207	0.0210	0.0218
Ca 370.602	248.6	245.1	248.1
Cd 226.502	0.0376	0.1374	0.2226
Co 228.615	1.0445	-0.0730u	1.1344
Cr 267.716	0.9869	1.1352	0.9274
Cu 324.754	30.1502	29.6902	29.6654
Fe 271.441	239.614	236.345	231.098
K 766.491	12.5849	12.2604	13.0749
Mg 279.078	12.5669	14.9780	12.4214
Mn 257.610	1.1358	1.0829	1.0838
Mo 202.032	-0.0317u	-0.1856u	-0.2532u
Na 330.237	2163.03	2028.76	2147.14
Ni 231.604	0.2154	0.3520	-0.3598u
Pb 220.353	2.7588	6.1921	3.9670
Sb 206.834	-1.2765u	-1.5228u	1.5271
Se 196.026	34.4894	43.3200	21.8668
Sn 189.925	123.130	122.000	120.369
Sr 216.596	0.2657	0.7478	0.7369
Ti 334.941	5.5397	5.1086	5.6363

Label	Replicates Concentration		
Tl 190.794	-2.3629u	-1.7939u	-3.1147u
V 292.401	-0.0717u	-0.2606u	-0.2548u
Zn 206.200	22.8833	23.2891	23.7389

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	0.2039	ppb	0.2850	139.8	30.7302
Al 308.215	19563.6	ppb	120.706	0.6	95197.3
As 188.980	-3.4771	ppb	5.8412	168.0	-3.2307
B 249.678	6.0337	ppb	1.1582	19.2	131.021
Ba 389.178	2.9917	ppb	0.0890	3.0	3.2145
Be 313.042	0.0212	ppb	0.0006	2.6	-224.613
Ca 370.602	247.3	ppb	1.877	0.8	453.9
Cd 226.502	0.1325	ppb	0.0926	69.9	7.9108
Co 228.615	0.7020	ppb	0.6726	95.8	12.5919
Cr 267.716	1.0165	ppb	0.1070	10.5	43.8688
Cu 324.754	29.8353	ppb	0.2730	0.9	1539.25
Fe 271.441	235.686	ppb	4.2964	1.8	179.831
K 766.491	12.6401	ppb	0.4100	3.2	532.881
Mg 279.078	13.3221	ppb	1.4359	10.8	29.4095
Mn 257.610	1.1008	ppb	0.0303	2.7	168.534
Mo 202.032	-0.1568	ppb	0.1135	72.4	3.6250
Na 330.237	2112.98	ppb	73.3659	3.5	92.2010
Ni 231.604	0.0692	ppb	0.3778	545.9	-1.3404
Pb 220.353	4.3060	ppb	1.7416	40.4	5.0706
Sb 206.834	-0.4241	ppb	1.6942	399.5	1.1055
Se 196.026	33.2254	ppb	10.7823	32.5	10.6084
Sn 189.925	121.833	ppb	1.3879	1.1	51.7745
Sr 216.596	0.5835	ppb	0.2753	47.2	5.4933
Ti 334.941	5.4282	ppb	0.2810	5.2	1052.07
Tl 190.794	-2.4238	ppb	0.6625	27.3	-4.0070
V 292.401	-0.1957	ppb	0.1074	54.9	-7.6147
Zn 206.200	23.3037	ppb	0.4280	1.8	13.9604

CRI (Samp) **8/29/2014, 11:04:39 PM** **Rack 2, Tube 54**

Weight: 1 **Volume: 1** **Dilution: 1**

Label	Replicates Concentration		
Ag 328.068	10.5167	10.5640	10.4145
Al 308.215	206.327	207.637	206.375
As 188.980	30.3150	22.6623	23.6254
B 249.678	100.033	100.653	99.4182
Ba 389.178	9.8607	9.2308	9.8513
Be 313.042	4.2950	4.3087	4.2722
Ca 370.602	540.0	547.0	544.2
Cd 226.502	5.1389	5.2242	4.9657
Co 228.615	8.8627	10.5266	10.3593
Cr 267.716	10.4065	10.3510	10.4216
Cu 324.754	21.2118	21.2605	21.3776
Fe 271.441	50.3879	58.9911	61.3704
K 766.491	1035.16	1035.67	1025.69
Mg 279.078	513.772	511.450	509.766
Mn 257.610	11.1279	11.1198	10.9815
Mo 202.032	10.2252	10.6246	10.4908
Na 330.237	1068.76	912.442	1103.13

Label	Replicates Concentration		
Ni 231.604	42.4360	43.1666	38.5382
Pb 220.353	10.2320	10.6431	12.7739
Sb 206.834	15.5145	19.5314	18.1371
Se 196.026	24.2736	18.5454	16.3342
Sn 189.925	49.4787	51.9969	50.8038
Sr 216.596	10.5734	10.4935	10.2925
Ti 334.941	10.7732	10.8123	11.1893
Tl 190.794	19.0405	25.2493	22.5984
V 292.401	10.6771	10.4684	10.2382
Zn 206.200	21.6046	21.9479	21.4362

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	10.4984	ppb	0.0764	0.7	596.925
Al 308.215	206.780	ppb	0.7431	0.4	1313.94
As 188.980	25.5342	ppb	4.1682	16.3	7.0434
B 249.678	100.035	ppb	0.6172	0.6	999.634
Ba 389.178	9.6476	ppb	0.3610	3.7	103.166
Be 313.042	4.2920	ppb	0.0184	0.4	3961.39
Ca 370.602	543.7	ppb	3.523	0.6	976.0
Cd 226.502	5.1096	ppb	0.1317	2.6	123.342
Co 228.615	9.9162	ppb	0.9162	9.2	64.6386
Cr 267.716	10.3930	ppb	0.0372	0.4	318.883
Cu 324.754	21.2833	ppb	0.0852	0.4	1195.70
Fe 271.441	56.9164	ppb	5.7777	10.2	40.9785
K 766.491	1032.18	ppb	5.6195	0.5	29422.3
Mg 279.078	511.663	ppb	2.0118	0.4	844.982
Mn 257.610	11.0764	ppb	0.0823	0.7	1402.07
Mo 202.032	10.4469	ppb	0.2033	1.9	45.8015
Na 330.237	1028.11	ppb	101.636	9.9	54.1524
Ni 231.604	41.3803	ppb	2.4883	6.0	74.7976
Pb 220.353	11.2164	ppb	1.3645	12.2	11.3886
Sb 206.834	17.7277	ppb	2.0395	11.5	16.8709
Se 196.026	19.7177	ppb	4.0975	20.8	7.1510
Sn 189.925	50.7598	ppb	1.2597	2.5	20.6609
Sr 216.596	10.4531	ppb	0.1447	1.4	70.6745
Ti 334.941	10.9249	ppb	0.2298	2.1	2101.77
Tl 190.794	22.2961	ppb	3.1154	14.0	11.0965
V 292.401	10.4612	ppb	0.2195	2.1	133.099
Zn 206.200	21.6629	ppb	0.2608	1.2	12.9611

mb 680-346324/1-a (Samp) **8/29/2014, 11:08:56 PM** **Rack 2, Tube 55**

Weight: 1 **Volume: 1** **Dilution: 1**

Label	Replicates Concentration		
Ag 328.068	-0.4666u	-0.1644u	0.1021
Al 308.215	8.6803	8.0214	7.4881
As 188.980	3.1275	-4.6373u	2.6755
B 249.678	-1.0622u	-2.0579u	-2.1422u
Ba 389.178	-0.3888u	-0.4037u	-0.7080u
Be 313.042	0.0060	-0.0000	0.0177
Ca 370.602	37.84	34.92	35.24
Cd 226.502	-0.0890u	0.0041	-0.0700u
Co 228.615	-0.0215u	0.2667	-0.1425u
Cr 267.716	0.4561	0.6088	0.3484

Label	Replicates Concentration		
Cu 324.754	-0.0345u	0.1800	0.1448
Fe 271.441	1.5481	9.4597	4.4397
K 766.491	8.9230	8.8772	8.9919
Mg 279.078	2.6822	4.8724	2.2772
Mn 257.610	0.1241	0.0735	0.1345
Mo 202.032	-0.4140u	-0.1195u	-0.0305u
Na 330.237	-81.1083u	58.0842	1.1812
Ni 231.604	-0.2114u	1.0346	-0.0354u
Pb 220.353	0.8927	2.1371	-1.1137u
Sb 206.834	-1.0647u	1.0230	1.4362
Se 196.026	-2.2057u	-0.7638u	-4.1626u
Sn 189.925	6.7950	4.5149	8.7207
Sr 216.596	0.3813	-0.3222u	0.0012
Ti 334.941	0.3826	0.5765	0.4270
Tl 190.794	-3.3728u	0.5070	-1.5630u
V 292.401	-0.0679u	0.1987	0.0649
Zn 206.200	0.9876	0.5283	2.0453

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.1763	ppb	0.2846	161.4	9.7660
Al 308.215	8.0633	ppb	0.5972	7.4	348.937
As 188.980	0.3886	ppb	4.3584	1121.6	-1.9570
B 249.678	-1.7541	ppb	0.6007	34.2	59.3702
Ba 389.178	-0.5002	ppb	0.1802	36.0	-49.0750
Be 313.042	0.0079	ppb	0.0090	114.2	-238.499
Ca 370.602	36.00	ppb	1.604	4.5	84.15
Cd 226.502	-0.0516	ppb	0.0492	95.3	2.8577
Co 228.615	0.0342	ppb	0.2102	614.1	8.7963
Cr 267.716	0.4711	ppb	0.1309	27.8	27.6524
Cu 324.754	0.0967	ppb	0.1150	118.9	344.165
Fe 271.441	5.1492	ppb	4.0032	77.7	-0.0635
K 766.491	8.9307	ppb	0.0577	0.6	427.773
Mg 279.078	3.2772	ppb	1.3962	42.6	17.5436
Mn 257.610	0.1107	ppb	0.0326	29.5	45.8714
Mo 202.032	-0.1880	ppb	0.2007	106.8	3.5071
Na 330.237	-7.2810	ppb	69.9811	961.1	17.9895
Ni 231.604	0.2626	ppb	0.6743	256.8	-0.9999
Pb 220.353	0.6387	ppb	1.6403	256.8	1.9413
Sb 206.834	0.4648	ppb	1.3406	288.4	1.8539
Se 196.026	-2.3774	ppb	1.7059	71.8	1.4935
Sn 189.925	6.6769	ppb	2.1054	31.5	1.3627
Sr 216.596	0.0201	ppb	0.3521	1753.2	1.5332
Ti 334.941	0.4620	ppb	0.1016	22.0	103.090
Tl 190.794	-1.4763	ppb	1.9413	131.5	-3.4124
V 292.401	0.0652	ppb	0.1333	204.3	-4.1296
Zn 206.200	1.1870	ppb	0.7779	65.5	0.6523

lcs 680-346324/2-a (Samp) **8/29/2014, 11:13:12 PM** **Rack 2, Tube 56**

Weight: 1 **Volume: 1** **Dilution: 1**

Label	Replicates Concentration		
Ag 328.068	51.9530	51.5802	51.4119
Al 308.215	4795.01	4781.55	4777.72
As 188.980	103.123	101.395	93.2810

Label	Replicates Concentration		
B 249.678	186.291	188.331	188.288
Ba 389.178	98.7330	98.1115	99.2742
Be 313.042	51.4292	51.2060	51.3159
Ca 370.602	5089	5081	5086
Cd 226.502	49.5389	49.2506	49.4562
Co 228.615	50.2045	50.5715	50.8862
Cr 267.716	101.835	100.978	101.530
Cu 324.754	102.050	102.397	102.500
Fe 271.441	5028.79	5027.49	5050.80
K 766.491	5001.63	4981.70	4974.37
Mg 279.078	4830.48	4817.90	4823.31
Mn 257.610	528.450	527.525	527.291
Mo 202.032	99.4162	100.842	101.924
Na 330.237	4850.89	4813.47	4709.65
Ni 231.604	99.9124	99.3446	98.9843
Pb 220.353	48.5260	51.0827	47.7852
Sb 206.834	48.0982	46.2526	50.7201
Se 196.026	101.830	98.7507	94.3770
Sn 189.925	212.574	214.505	206.903
Sr 216.596	98.9954	99.7242	99.0385
Ti 334.941	101.373	100.645	100.793
Tl 190.794	39.8815	39.8887	32.6738
V 292.401	102.290	102.041	101.854
Zn 206.200	101.830	99.3182	101.596

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	51.6484	ppb	0.2769	0.5	2860.38
Al 308.215	4784.76	ppb	9.0778	0.2	23534.2
As 188.980	99.2662	ppb	5.2548	5.3	33.4308
B 249.678	187.637	ppb	1.1658	0.6	1802.64
Ba 389.178	98.7062	ppb	0.5818	0.6	1440.79
Be 313.042	51.3170	ppb	0.1116	0.2	50064.2
Ca 370.602	5085	ppb	4.086	0.1	8925
Cd 226.502	49.4152	ppb	0.1484	0.3	1173.24
Co 228.615	50.5541	ppb	0.3412	0.7	294.361
Cr 267.716	101.448	ppb	0.4345	0.4	2993.80
Cu 324.754	102.316	ppb	0.2357	0.2	4454.38
Fe 271.441	5035.69	ppb	13.0956	0.3	3928.63
K 766.491	4985.90	ppb	14.1094	0.3	141455
Mg 279.078	4823.90	ppb	6.3085	0.1	7857.63
Mn 257.610	527.755	ppb	0.6127	0.1	65221.6
Mo 202.032	100.728	ppb	1.2579	1.2	404.717
Na 330.237	4791.34	ppb	73.1782	1.5	184.636
Ni 231.604	99.4138	ppb	0.4679	0.5	181.990
Pb 220.353	49.1313	ppb	1.7301	3.5	45.4270
Sb 206.834	48.3570	ppb	2.2449	4.6	43.3935
Se 196.026	98.3191	ppb	3.7450	3.8	27.3624
Sn 189.925	211.327	ppb	3.9514	1.9	90.9525
Sr 216.596	99.2527	ppb	0.4089	0.4	666.588
Ti 334.941	100.937	ppb	0.3850	0.4	19297.0
Tl 190.794	37.4813	ppb	4.1634	11.1	20.1137
V 292.401	102.062	ppb	0.2184	0.2	1343.15
Zn 206.200	100.915	ppb	1.3876	1.4	60.3907

680-104660-b-1-a (Samp) **8/29/2014, 11:17:29 PM** **Rack 2, Tube 57**

Weight: 1 **Volume: 1** **Dilution: 1**

Label	Replicates Concentration		
Ag 328.068	2.3110	2.5882	2.2024
Al 308.215	8814.62	8789.77	8831.75
As 188.980	4.0936	-2.2634u	0.4317
B 249.678	63.6440	63.6400	63.6400
Ba 389.178	108.934	109.945	109.011
Be 313.042	0.0211	0.0190	0.0213
Ca 370.602	671413	670272	671738
Cd 226.502	1.3111	1.3228	1.2377
Co 228.615	3.2868	3.4510	3.3418
Cr 267.716	19.2025	19.3314	19.4386
Cu 324.754	205.414	202.574	204.733
Fe 271.441	6573.66	6579.88	6598.37
K 766.491	815.780	826.598	823.064
Mg 279.078	7719.66	7685.16	7708.84
Mn 257.610	214.850	214.259	215.325
Mo 202.032	12.2614	12.5104	11.9990
Na 330.237	1340.14	1367.11	1339.22
Ni 231.604	11.8272	12.6865	15.2685
Pb 220.353	7.9503	12.0304	5.1291
Sb 206.834	0.1406	-7.7049u	0.3196
Se 196.026	-0.1480	0.2020	-8.4881u
Sn 189.925	20.1895	18.1033	17.7175
Sr 216.596	431.254	429.419	431.825
Ti 334.941	121.334	120.000	121.522
Tl 190.794	1.4765	-3.2089u	-2.1460u
V 292.401	24.6872	24.1329	24.0345
Zn 206.200	3379.67	3347.56	3374.29

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	2.3672	ppb	0.1989	8.4	139.046
Al 308.215	8812.05	ppb	21.1119	0.2	43060.3
As 188.980	0.7539	ppb	3.1907	423.2	-1.8013
B 249.678	63.6413	ppb	0.0023	0.0	654.972
Ba 389.178	109.297	ppb	0.5630	0.5	1601.96
Be 313.042	0.0205	ppb	0.0013	6.2	-103.868
Ca 370.602	671141	ppb	770.1	0.1	1175318
Cd 226.502	1.2905	ppb	0.0461	3.6	56.6275
Co 228.615	3.3599	ppb	0.0836	2.5	28.9355
Cr 267.716	19.3241	ppb	0.1182	0.6	583.364
Cu 324.754	204.240	ppb	1.4826	0.7	8549.22
Fe 271.441	6583.97	ppb	12.8549	0.2	5133.46
K 766.491	821.814	ppb	5.5163	0.7	23461.5
Mg 279.078	7704.55	ppb	17.6474	0.2	12550.1
Mn 257.610	214.811	ppb	0.5337	0.2	26603.5
Mo 202.032	12.2569	ppb	0.2558	2.1	52.8142
Na 330.237	1348.82	ppb	15.8445	1.2	38.5537
Ni 231.604	13.2607	ppb	1.7911	13.5	23.2973
Pb 220.353	8.3699	ppb	3.4698	41.5	9.0177
Sb 206.834	-2.4149	ppb	4.5822	189.7	-0.5269
Se 196.026	-2.8114	ppb	4.9193	175.0	1.4428
Sn 189.925	18.6701	ppb	1.3299	7.1	6.6131
Sr 216.596	430.833	ppb	1.2572	0.3	3021.51

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ti 334.941	120.952	ppb	0.8301	0.7	23123.0
Tl 190.794	-1.2928	ppb	2.4565	190.0	-3.7269
V 292.401	24.2849	ppb	0.3519	1.4	318.577
Zn 206.200	3367.17	ppb	17.1967	0.5	2026.85

680-104660-b-1-aSD (Samp) **8/29/2014, 11:21:45 PM** **Rack 2, Tube 58**

Weight: 1 **Volume: 1** **Dilution: 1**

Label	Replicates Concentration		
Ag 328.068	-0.0013u	0.0626	0.2748
Al 308.215	1678.42	1684.02	1680.58
As 188.980	-10.3565u	2.4927	-7.5250u
B 249.678	9.2400	9.2919	9.1271
Ba 389.178	21.0472	19.8268	19.1362
Be 313.042	0.0085	-0.0001	0.0180
Ca 370.602	130393	130786	131594
Cd 226.502	0.3167	0.2193	0.1460
Co 228.615	-0.3558u	-0.1792u	1.1943
Cr 267.716	3.8322	3.8603	3.8882
Cu 324.754	38.5917	38.6586	39.6570
Fe 271.441	1334.12	1325.65	1335.48
K 766.491	124.328	124.873	125.463
Mg 279.078	1540.06	1552.31	1549.18
Mn 257.610	42.7559	42.6268	42.8096
Mo 202.032	2.5263	1.9474	2.7219
Na 330.237	68.9063u	184.074	254.551
Ni 231.604	3.5573	1.7598	2.8372
Pb 220.353	1.9723	0.7081	1.6328
Sb 206.834	0.6896	1.6946	2.1885
Se 196.026	2.8367	-11.0575u	1.7540
Sn 189.925	0.7174	2.1318	2.0565
Sr 216.596	85.8438	85.3483	84.6260
Ti 334.941	29.8209	29.2252	29.6696
Tl 190.794	-4.6599u	-1.1395u	1.8049
V 292.401	4.6472	4.5405	4.9344
Zn 206.200	675.209	673.075	682.393

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	0.1120	ppb	0.1446	129.0	23.5266
Al 308.215	1681.01	ppb	2.8268	0.2	8465.10
As 188.980	-5.1296	ppb	6.7512	131.6	-3.9278
B 249.678	9.2197	ppb	0.0843	0.9	159.064
Ba 389.178	20.0034	ppb	0.9677	4.8	259.370
Be 313.042	0.0088	ppb	0.0090	102.4	-213.758
Ca 370.602	130924	ppb	612.4	0.5	229296
Cd 226.502	0.2273	ppb	0.0856	37.7	13.8487
Co 228.615	0.2198	ppb	0.8486	386.1	10.1661
Cr 267.716	3.8602	ppb	0.0280	0.7	127.599
Cu 324.754	38.9691	ppb	0.5966	1.5	1906.56
Fe 271.441	1331.75	ppb	5.3250	0.4	1035.08
K 766.491	124.888	ppb	0.5677	0.5	3713.53
Mg 279.078	1547.18	ppb	6.3655	0.4	2530.02
Mn 257.610	42.7308	ppb	0.0940	0.2	5317.87
Mo 202.032	2.3985	ppb	0.4027	16.8	13.7566

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Na 330.237	169.177	ppb	93.7146	55.4	18.7523
Ni 231.604	2.7181	ppb	0.9046	33.3	3.5942
Pb 220.353	1.4377	ppb	0.6543	45.5	2.6876
Sb 206.834	1.5242	ppb	0.7638	50.1	2.7985
Se 196.026	-2.1556	ppb	7.7282	358.5	1.5623
Sn 189.925	1.6352	ppb	0.7958	48.7	-0.8443
Sr 216.596	85.2727	ppb	0.6124	0.7	598.761
Ti 334.941	29.5719	ppb	0.3096	1.0	5664.23
Tl 190.794	-1.3315	ppb	3.2367	243.1	-3.4100
V 292.401	4.7074	ppb	0.2037	4.3	57.7703
Zn 206.200	676.892	ppb	4.8816	0.7	407.402

680-104660-b-1-aPDS (Samp) **8/29/2014, 11:26:02 PM** **Rack 2, Tube 59**

Weight: 1 **Volume: 1** **Dilution: 1**

Label	Replicates Concentration		
Ag 328.068	49.5658	50.2274	50.4081
Al 308.215	11070.1	11109.5	11113.6
As 188.980	232.096	240.803	233.661
B 249.678	620.619	622.256	626.769
Ba 389.178	326.372	328.765	327.957
Be 313.042	55.9002	56.1611	56.1600
Ca 370.602	666800	670485	664750
Cd 226.502	54.9766	55.4639	55.6082
Co 228.615	221.791	222.870	222.954
Cr 267.716	238.978	239.978	240.313
Cu 324.754	446.311	439.473	442.537
Fe 271.441	8696.11	8718.05	8728.79
K 766.491	3999.31	4004.97	4021.27
Mg 279.078	9855.83	9880.42	9860.78
Mn 257.610	440.783	442.015	442.376
Mo 202.032	231.536	232.731	229.633
Na 330.237	4083.68	3953.14	3957.49
Ni 231.604	224.176	226.415	221.614
Pb 220.353	216.347	216.512	220.652
Sb 206.834	206.005	212.371	220.077
Se 196.026	221.573	219.554	231.142
Sn 189.925	246.432	244.358	245.295
Sr 216.596	640.158	639.717	639.433
Ti 334.941	339.609	340.346	343.354
Tl 190.794	207.073	211.154	202.036
V 292.401	245.725	247.418	247.626
Zn 206.200	3532.93	3549.43	3543.46

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	50.0671	ppb	0.4435	0.9	2759.91
Al 308.215	11097.7	ppb	24.0006	0.2	54172.7
As 188.980	235.520	ppb	4.6417	2.0	82.2066
B 249.678	623.215	ppb	3.1851	0.5	5822.48
Ba 389.178	327.698	ppb	1.2172	0.4	4870.67
Be 313.042	56.0738	ppb	0.1503	0.3	54842.7
Ca 370.602	667345	ppb	2906	0.4	1168719
Cd 226.502	55.3495	ppb	0.3310	0.6	1324.15
Co 228.615	222.538	ppb	0.6482	0.3	1267.85

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Cr 267.716	239.756	ppb	0.6948	0.3	7053.94
Cu 324.754	442.773	ppb	3.4250	0.8	18138.1
Fe 271.441	8714.32	ppb	16.6542	0.2	6809.91
K 766.491	4008.52	ppb	11.4030	0.3	113760
Mg 279.078	9865.68	ppb	13.0051	0.1	16064.9
Mn 257.610	441.725	ppb	0.8350	0.2	54632.6
Mo 202.032	231.300	ppb	1.5626	0.7	923.904
Na 330.237	3998.10	ppb	74.1429	1.9	129.490
Ni 231.604	224.068	ppb	2.4025	1.1	411.758
Pb 220.353	217.837	ppb	2.4394	1.1	196.154
Sb 206.834	212.818	ppb	7.0468	3.3	186.403
Se 196.026	224.090	ppb	6.1906	2.8	59.5648
Sn 189.925	245.362	ppb	1.0388	0.4	105.851
Sr 216.596	639.769	ppb	0.3654	0.1	4412.95
Ti 334.941	341.103	ppb	1.9843	0.6	65168.6
Tl 190.794	206.754	ppb	4.5675	2.2	123.261
V 292.401	246.923	ppb	1.0427	0.4	3257.95
Zn 206.200	3541.94	ppb	8.3529	0.2	2131.63

680-104660-b-1-b ms (Samp) **8/29/2014, 11:30:20 PM** **Rack 2, Tube 60**

Weight: 1 **Volume: 1** **Dilution: 1**

Label	Replicates Concentration		
Ag 328.068	57.4064	57.2976	56.8204
Al 308.215	15742.7	15732.6	15724.4
As 188.980	104.640	102.910	104.534
B 249.678	269.267	270.673	270.072
Ba 389.178	183.235	182.588	183.068
Be 313.042	50.7738	50.6718	50.7139
Ca 370.602	614539	615177	618720
Cd 226.502	48.2856	48.1779	48.4437
Co 228.615	53.9044	53.2076	53.4795
Cr 267.716	118.962	118.156	119.132
Cu 324.754	292.723	292.301	294.403
Fe 271.441	11021.4	11004.9	11028.2
K 766.491	7856.56	7865.30	7844.58
Mg 279.078	12016.3	12005.0	12052.6
Mn 257.610	712.137	712.070	712.697
Mo 202.032	111.522	112.161	111.591
Na 330.237	7096.40	7208.50	7169.10
Ni 231.604	106.085	104.919	104.689
Pb 220.353	59.4305	57.1466	56.7644
Sb 206.834	38.1311	40.5564	38.8145
Se 196.026	94.5548	93.5930	93.3468
Sn 189.925	213.651	213.532	217.281
Sr 216.596	501.946	502.189	502.471
Ti 334.941	198.892	198.585	198.189
Tl 190.794	32.8674	30.7163	33.0963
V 292.401	128.370	128.114	127.816
Zn 206.200	3444.20	3445.65	3461.81

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	57.1748	ppb	0.3117	0.5	3154.49
Al 308.215	15733.2	ppb	9.1872	0.1	76646.1

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
As 188.980	104.028	ppb	0.9698	0.9	35.1747
B 249.678	270.004	ppb	0.7059	0.3	2555.72
Ba 389.178	182.964	ppb	0.3359	0.2	2709.33
Be 313.042	50.7198	ppb	0.0513	0.1	49589.8
Ca 370.602	616145	ppb	2252	0.4	1079006
Cd 226.502	48.3024	ppb	0.1337	0.3	1167.70
Co 228.615	53.5305	ppb	0.3511	0.7	312.288
Cr 267.716	118.750	ppb	0.5216	0.4	3503.75
Cu 324.754	293.143	ppb	1.1117	0.4	12124.1
Fe 271.441	11018.1	ppb	11.9963	0.1	8596.78
K 766.491	7855.48	ppb	10.4027	0.1	222767
Mg 279.078	12024.6	ppb	24.8675	0.2	19575.1
Mn 257.610	712.302	ppb	0.3442	0.0	88052.6
Mo 202.032	111.758	ppb	0.3507	0.3	448.413
Na 330.237	7158.00	ppb	56.8702	0.8	240.896
Ni 231.604	105.231	ppb	0.7484	0.7	193.019
Pb 220.353	57.7805	ppb	1.4417	2.5	53.2874
Sb 206.834	39.1673	ppb	1.2506	3.2	35.5006
Se 196.026	93.8315	ppb	0.6383	0.7	26.2672
Sn 189.925	214.821	ppb	2.1311	1.0	92.4824
Sr 216.596	502.202	ppb	0.2627	0.1	3487.38
Ti 334.941	198.555	ppb	0.3520	0.2	37948.5
Tl 190.794	32.2267	ppb	1.3130	4.1	16.5212
V 292.401	128.100	ppb	0.2776	0.2	1689.89
Zn 206.200	3450.55	ppb	9.7750	0.3	2076.76

Cont Calib Verif (CCV) **8/29/2014, 11:34:37 PM** **Rack 3, Tube 1**

Weight: 1 **Volume: 1** **Dilution: 1**

Label	Replicates Concentration		
Ag 328.068	513.750	515.282	514.379
Al 308.215	4880.28	4859.87	4885.02
As 188.980	484.439	488.037	492.861
B 249.678	501.765	502.976	506.243
Ba 389.178	5038.41	5014.14	5049.27
Be 313.042	520.866	517.983	522.082
Ca 370.602	5143	5117	5165
Cd 226.502	497.164	493.475	497.230
Co 228.615	511.794	507.097	511.642
Cr 267.716	5045.10	5023.14	5058.02
Cu 324.754	5078.70	5032.02	4990.97
Fe 271.441	5141.03	5069.90	5123.93
K 766.491	10279.3	10231.1	10300.0
Mg 279.078	4965.02	4941.70	4961.35
Mn 257.610	5139.04	5101.56	5143.22
Mo 202.032	507.615	506.231	510.749
Na 330.237	7506.71	7315.47	7592.69
Ni 231.604	2508.34	2493.85	2510.05
Pb 220.353	485.958	491.172	491.663
Sb 206.834	979.815	977.110	981.284
Se 196.026	4913.04	4881.63	4922.75
Sn 189.925	5029.79	4987.76	5008.61
Sr 216.596	2496.31	2487.10	2501.87
Ti 334.941	498.492	496.509	499.202

Label	Replicates Concentration		
Tl 190.794	5058.11	5038.71	5070.46
V 292.401	5144.89	5112.97	5155.67
Zn 206.200	2466.40	2460.30	2474.62

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Ag 328.068	514.470	ppb	0.7701	0.1	28296.8	102.89409
Al 308.215	4875.06	ppb	13.3642	0.3	24345.7	97.50121
As 188.980	488.445	ppb	4.2260	0.9	172.678	97.68909
B 249.678	503.661	ppb	2.3165	0.5	4729.23	100.73222
Ba 389.178	5033.94	ppb	17.9880	0.4	75226.6	100.67876
Be 313.042	520.310	ppb	2.1051	0.4	510012	104.06209
Ca 370.602	5142	ppb	24.16	0.5	9229	102.83574
Cd 226.502	495.956	ppb	2.1489	0.4	11583.2	99.19127
Co 228.615	510.178	ppb	2.6689	0.5	2895.81	102.03555
Cr 267.716	5042.08	ppb	17.6355	0.3	148006	100.84167
Cu 324.754	5033.89	ppb	43.8938	0.9	202596	100.67787
Fe 271.441	5111.62	ppb	37.1291	0.7	4040.13	102.23232
K 766.491	10270.1	ppb	35.3575	0.3	291187	102.70100
Mg 279.078	4956.02	ppb	12.5408	0.3	8016.07	99.12044
Mn 257.610	5127.94	ppb	22.9399	0.4	633189	102.55876
Mo 202.032	508.198	ppb	2.3148	0.5	2022.33	101.63963
Na 330.237	7471.62	ppb	141.900	1.9	260.197	99.62161
Ni 231.604	2504.08	ppb	8.9029	0.4	4614.86	100.16320
Pb 220.353	489.598	ppb	3.1614	0.6	441.393	97.91955
Sb 206.834	979.403	ppb	2.1176	0.2	885.795	97.94031
Se 196.026	4905.81	ppb	21.4928	0.4	1258.57	98.11613
Sn 189.925	5008.72	ppb	21.0153	0.4	2191.09	100.17447
Sr 216.596	2495.09	ppb	7.4590	0.3	16631.9	99.80370
Ti 334.941	498.067	ppb	1.3956	0.3	95138.2	99.61348
Tl 190.794	5055.76	ppb	16.0056	0.3	3087.52	101.11520
V 292.401	5137.84	ppb	22.2084	0.4	68152.0	102.75687
Zn 206.200	2467.11	ppb	7.1880	0.3	1476.52	98.68436

Cont Calib Blank (CCB) **8/29/2014, 11:38:54 PM** **Rack 3, Tube 2**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Replicates Concentration		
Ag 328.068	-0.1758u	-0.2009u	-0.3800u
Al 308.215	4.7625	5.1979	3.6889
As 188.980	-0.5003u	-3.2299u	1.9160
B 249.678	7.1136	5.9866	4.2466
Ba 389.178	0.3336	0.0641	-0.0275u
Be 313.042	0.0250	0.0324	0.0363
Ca 370.602	2.931	9.926	6.660
Cd 226.502	-0.0419u	-0.2009u	-0.1596u
Co 228.615	0.3702	0.1837	-0.7011u
Cr 267.716	-0.0832u	0.0644	0.2715
Cu 324.754	0.1119	-0.1367u	0.1202
Fe 271.441	1.5915	-4.6339u	-7.3245u
K 766.491	1.2171	0.7920	0.4018
Mg 279.078	-3.8668u	-2.7993u	-3.2234u
Mn 257.610	0.2497	0.2388	0.3051
Mo 202.032	0.1396	-0.0722u	0.1576
Na 330.237	-127.365u	8.9159	-111.632u

Label	Replicates Concentration		
Ni 231.604	-0.2492u	-0.0993u	0.6341
Pb 220.353	1.9104	2.5933	1.4793
Sb 206.834	5.2431	2.6275	-3.1042u
Se 196.026	-6.2368u	8.4143	1.7255
Sn 189.925	-5.0231u	-0.0636u	-2.8133u
Sr 216.596	-0.1861u	0.0700	0.1407
Ti 334.941	-0.0015u	0.0233	-0.0208u
Tl 190.794	-1.9528u	1.8320	1.3689
V 292.401	0.4266	0.6048	0.1551
Zn 206.200	0.1939	-1.3998u	-1.9472u

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Ag 328.068	-0.2522	ppb	0.1113	44.1	5.5942	-0.25224
Al 308.215	4.5498	ppb	0.7767	17.1	331.930	4.54977
As 188.980	-0.6047	ppb	2.5745	425.7	-2.3126	-0.60474
B 249.678	5.7823	ppb	1.4444	25.0	129.010	5.78228
Ba 389.178	0.1234	ppb	0.1877	152.1	-39.7593	0.12340
Be 313.042	0.0313	ppb	0.0057	18.3	-215.598	0.03126
Ca 370.602	6.506	ppb	3.500	53.8	32.44	6.50552
Cd 226.502	-0.1341	ppb	0.0825	61.5	0.9117	-0.13413
Co 228.615	-0.0491	ppb	0.5723	1166.7	8.3193	-0.04906
Cr 267.716	0.0842	ppb	0.1782	211.6	16.2916	0.08421
Cu 324.754	0.0318	ppb	0.1460	459.2	341.556	0.03180
Fe 271.441	-3.4556	ppb	4.5733	132.3	-6.7860	-3.45564
K 766.491	0.8037	ppb	0.4078	50.7	197.486	0.80366
Mg 279.078	-3.2965	ppb	0.5375	16.3	6.8405	-3.29652
Mn 257.610	0.2645	ppb	0.0356	13.5	64.8281	0.26451
Mo 202.032	0.0750	ppb	0.1278	170.4	4.5530	0.07498
Na 330.237	-76.6938	ppb	74.5563	97.2	15.5692	-76.69376
Ni 231.604	0.0952	ppb	0.4727	496.5	-1.3087	0.09520
Pb 220.353	1.9943	ppb	0.5617	28.2	3.1525	1.99432
Sb 206.834	1.5888	ppb	4.2695	268.7	2.8266	1.58882
Se 196.026	1.3010	ppb	7.3348	563.8	2.4351	1.30100
Sn 189.925	-2.6333	ppb	2.4847	94.4	-2.7130	-2.63331
Sr 216.596	0.0082	ppb	0.1719	2099.2	1.4545	0.00819
Ti 334.941	0.0003	ppb	0.0221	6950.2	14.9117	0.00032
Tl 190.794	0.4160	ppb	2.0645	496.2	-2.2578	0.41603
V 292.401	0.3955	ppb	0.2265	57.3	0.2422	0.39549
Zn 206.200	-1.0510	ppb	1.1124	105.8	-0.6943	-1.05105

680-104660-b-1-c msd (Samp) **8/29/2014, 11:43:12 PM** **Rack 3, Tube 3**

Weight: 1 **Volume: 1** **Dilution: 1**

Label	Replicates Concentration		
Ag 328.068	57.7987	57.3576	57.9499
Al 308.215	15615.9	15603.6	15618.9
As 188.980	105.778	109.237	105.371
B 249.678	262.824	264.469	263.355
Ba 389.178	187.232	189.850	189.133
Be 313.042	51.5283	51.4762	51.7198
Ca 370.602	621949	625154	625337
Cd 226.502	49.2730	49.1133	48.9251
Co 228.615	54.2579	54.1042	53.9755
Cr 267.716	120.358	120.433	120.465

Label	Replicates Concentration		
Cu 324.754	322.013	323.454	323.503
Fe 271.441	11322.0	11326.9	11392.2
K 766.491	7972.15	7989.55	8004.05
Mg 279.078	12038.3	12028.4	12075.7
Mn 257.610	726.768	726.137	728.787
Mo 202.032	111.362	112.099	114.657
Na 330.237	7277.21	7238.64	7204.66
Ni 231.604	108.085	107.825	107.073
Pb 220.353	53.0477	58.7256	58.0271
Sb 206.834	38.6021	36.3480	41.9568
Se 196.026	117.190	86.7009	92.5268
Sn 189.925	219.506	217.329	221.315
Sr 216.596	508.278	506.611	509.102
Ti 334.941	210.921	210.145	210.384
Tl 190.794	34.3326	34.5407	37.1061
V 292.401	129.583	128.848	131.133
Zn 206.200	3192.15	3182.66	3186.14

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	57.7021	ppb	0.3078	0.5	3183.39
Al 308.215	15612.8	ppb	8.1126	0.1	76062.5
As 188.980	106.795	ppb	2.1242	2.0	36.1632
B 249.678	263.550	ppb	0.8395	0.3	2495.68
Ba 389.178	188.738	ppb	1.3531	0.7	2795.81
Be 313.042	51.5748	ppb	0.1283	0.2	50429.5
Ca 370.602	624147	ppb	1906	0.3	1093018
Cd 226.502	49.1038	ppb	0.1741	0.4	1187.51
Co 228.615	54.1125	ppb	0.1414	0.3	315.703
Cr 267.716	120.418	ppb	0.0549	0.0	3552.86
Cu 324.754	322.990	ppb	0.8463	0.3	13323.6
Fe 271.441	11347.0	ppb	39.1698	0.3	8853.46
K 766.491	7988.58	ppb	15.9749	0.2	226538
Mg 279.078	12047.4	ppb	24.9259	0.2	19612.2
Mn 257.610	727.231	ppb	1.3842	0.2	89896.5
Mo 202.032	112.706	ppb	1.7294	1.5	452.175
Na 330.237	7240.17	ppb	36.2990	0.5	245.721
Ni 231.604	107.661	ppb	0.5257	0.5	197.515
Pb 220.353	56.6001	ppb	3.0963	5.5	52.2442
Sb 206.834	38.9690	ppb	2.8223	7.2	35.3394
Se 196.026	98.8058	ppb	16.1852	16.4	27.5440
Sn 189.925	219.383	ppb	1.9960	0.9	94.4795
Sr 216.596	507.997	ppb	1.2689	0.2	3528.02
Ti 334.941	210.483	ppb	0.3971	0.2	40226.5
Tl 190.794	35.3265	ppb	1.5447	4.4	18.3931
V 292.401	129.854	ppb	1.1662	0.9	1713.25
Zn 206.200	3186.98	ppb	4.8006	0.2	1918.08

680-104660-b-2-a (Samp) **8/29/2014, 11:47:29 PM** **Rack 3, Tube 4**

Weight: 1 **Volume: 1** **Dilution: 1**

Label	Replicates Concentration		
Ag 328.068	2.0072	2.1112	1.7632
Al 308.215	7566.05	7484.72	7545.37
As 188.980	4.3049	3.2372	0.1511

Label	Replicates Concentration		
B 249.678	69.8548	68.9544	69.2353
Ba 389.178	78.3505	76.5512	78.4824
Be 313.042	0.0330	0.0273	0.0354
Ca 370.602	550405	540627	552868
Cd 226.502	-0.0019	0.1968	0.0314
Co 228.615	2.5885	2.4727	3.8524
Cr 267.716	21.0921	20.4050	20.9952
Cu 324.754	176.074	172.435	175.292
Fe 271.441	5347.11	5261.45	5315.92
K 766.491	705.235	697.709	700.251
Mg 279.078	6388.65	6317.93	6373.01
Mn 257.610	179.534	177.139	178.884
Mo 202.032	11.3983	11.2731	11.2164
Na 330.237	1140.07	1209.54	1252.86
Ni 231.604	6.9388	8.5044	7.0894
Pb 220.353	30.4978	29.5976	29.1938
Sb 206.834	0.5656	-0.8135u	4.0990
Se 196.026	2.1397	-7.1494u	-0.1061
Sn 189.925	14.0233	17.8196	18.5560
Sr 216.596	369.062	363.415	368.956
Ti 334.941	103.550	102.219	102.974
Tl 190.794	-6.0047u	-2.7036u	-3.6167u
V 292.401	23.6049	22.5650	23.5630
Zn 206.200	2912.20	2906.59	2916.05

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	1.9605	ppb	0.1786	9.1	118.332
Al 308.215	7532.05	ppb	42.2734	0.6	36850.3
As 188.980	2.5644	ppb	2.1571	84.1	-1.1559
B 249.678	69.3481	ppb	0.4607	0.7	709.356
Ba 389.178	77.7947	ppb	1.0789	1.4	1129.30
Be 313.042	0.0319	ppb	0.0041	13.0	-114.994
Ca 370.602	547966	ppb	6475	1.2	959617
Cd 226.502	0.0755	ppb	0.1064	141.0	23.9176
Co 228.615	2.9712	ppb	0.7653	25.8	26.5194
Cr 267.716	20.8308	ppb	0.3719	1.8	627.152
Cu 324.754	174.600	ppb	1.9154	1.1	7357.84
Fe 271.441	5308.16	ppb	43.3534	0.8	4137.98
K 766.491	701.065	ppb	3.8286	0.5	20040.0
Mg 279.078	6359.86	ppb	37.1505	0.6	10361.8
Mn 257.610	178.519	ppb	1.2385	0.7	22113.8
Mo 202.032	11.2959	ppb	0.0931	0.8	49.0274
Na 330.237	1200.82	ppb	56.8975	4.7	37.0464
Ni 231.604	7.5109	ppb	0.8637	11.5	12.6308
Pb 220.353	29.7631	ppb	0.6676	2.2	28.1027
Sb 206.834	1.2837	ppb	2.5337	197.4	2.6911
Se 196.026	-1.7053	ppb	4.8466	284.2	1.7149
Sn 189.925	16.7996	ppb	2.4324	14.5	5.7943
Sr 216.596	367.144	ppb	3.2302	0.9	2570.11
Ti 334.941	102.914	ppb	0.6674	0.6	19676.7
Tl 190.794	-4.1083	ppb	1.7046	41.5	-5.3585
V 292.401	23.2443	ppb	0.5887	2.5	304.402
Zn 206.200	2911.61	ppb	4.7573	0.2	1752.62

640-48980-a-1-a (Samp) **8/29/2014, 11:51:46 PM** **Rack 3, Tube 5**

Weight: 1 **Volume: 1** **Dilution: 1**

Label	Replicates Concentration		
Ag 328.068	0.2431u	0.3456u	0.2812u
Al 308.215	25443.9	25184.6	25284.6
As 188.980	15.4772	12.8638	16.6513
B 249.678	145.629	144.604	144.422
Ba 389.178	41.1705	42.5722	41.6851
Be 313.042	-0.2111	-0.2155	-0.2159
Ca 370.602	2341878x	2340897x	2333982x
Cd 226.502	-0.4221	-0.4472	-0.5592
Co 228.615	0.6222	0.6847	1.4950
Cr 267.716	29.5581	29.2688	29.4781
Cu 324.754	16.3551	15.1327	16.0550
Fe 271.441	44029.3	43641.0	43880.4
K 766.491	7392.12	7314.10	7381.22
Mg 279.078	69520.3	68854.3	69030.4
Mn 257.610	620.762	615.234	617.157
Mo 202.032	1.7806	1.3690	1.2980
Na 330.237	1079.06	952.866	964.397
Ni 231.604	22.7396	23.0229	23.8454
Pb 220.353	16.0812	14.2436	13.6499
Sb 206.834	3.3439	0.0366	1.2464
Se 196.026	-3.2076u	17.0917	-10.0239u
Sn 189.925	14.8656	17.0595	8.0593
Sr 216.596	2824.00	2796.26	2801.22
Ti 334.941	2756.25	2735.45	2740.46
Tl 190.794	-7.6751u	-2.4593u	2.6517u
V 292.401	22.4092	21.7369	22.3704
Zn 206.200	244.241	244.813	246.560

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	0.2900b	ppb	0.0518	17.9	-33.3387
Al 308.215	25304.4b	ppb	130.773	0.5	123096
As 188.980	14.9974b	ppb	1.9388	12.9	3.2614
B 249.678	144.885b	ppb	0.6506	0.4	1357.77
Ba 389.178	41.8092b	ppb	0.7090	1.7	663.974
Be 313.042	-0.2142b	ppb	0.0026	1.2	-31.0963
Ca 370.602	2338919xb	ppb	4304	0.2	4096392
Cd 226.502	-0.4762b	ppb	0.0730	15.3	143.011
Co 228.615	0.9339b	ppb	0.4869	52.1	44.1292
Cr 267.716	29.4350b	ppb	0.1494	0.5	894.091
Cu 324.754	15.8476b	ppb	0.6370	4.0	987.319
Fe 271.441	43850.2b	ppb	195.898	0.4	34210.9
K 766.491	7362.48b	ppb	42.2519	0.6	208797
Mg 279.078	69135.0b	ppb	345.084	0.5	112546
Mn 257.610	617.718b	ppb	2.8063	0.5	76690.8
Mo 202.032	1.4826b	ppb	0.2605	17.6	8.9381
Na 330.237	998.775b	ppb	69.7696	7.0	39.8367
Ni 231.604	23.2027b	ppb	0.5744	2.5	43.5150
Pb 220.353	14.6582b	ppb	1.2676	8.6	15.2088
Sb 206.834	1.5423b	ppb	1.6734	108.5	3.8447
Se 196.026	1.2867b	ppb	14.1054	1096.2	2.7308
Sn 189.925	13.3281b	ppb	4.6930	35.2	4.2745
Sr 216.596	2807.16b	ppb	14.7957	0.5	19262.1

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ti 334.941	2744.05b	ppb	10.8534	0.4	524139
Tl 190.794	-2.4943b	ppb	5.1635	207.0	-7.1104
V 292.401	22.1722b	ppb	0.3774	1.7	318.362
Zn 206.200	245.205b	ppb	1.2079	0.5	146.392

640-48980-a-2-a (Samp) **8/29/2014, 11:56:03 PM** **Rack 3, Tube 6**

Weight: 1 **Volume: 1** **Dilution: 1**

Label	Replicates Concentration		
Ag 328.068	6.5303	6.6507	6.7393
Al 308.215	52746.1	52673.0	52814.7
As 188.980	5.1831	4.0498	-2.0748u
B 249.678	73.2392	72.9071	72.9612
Ba 389.178	-25.0166u	-23.6791u	-24.2019u
Be 313.042	0.4835	0.4886	0.4847
Ca 370.602	26340	26199	26254
Cd 226.502	0.9678	1.0286	0.9359
Co 228.615	4.1683	4.2071	3.6747
Cr 267.716	16.9004	16.8848	16.6805
Cu 324.754	33.8603	33.9042	33.3467
Fe 271.441	1435.86	1423.67	1434.15
K 766.491	1126.98	1118.88	1121.52
Mg 279.078	5945.78	5943.92	5949.41
Mn 257.610	52.7586	52.6329	52.6333
Mo 202.032	0.0961	-0.4997u	0.1877
Na 330.237	5093.51	5004.43	5267.33
Ni 231.604	23.4165	23.4197	24.7604
Pb 220.353	4.6124	5.6969	3.4007
Sb 206.834	-0.6206u	1.9589	2.9725
Se 196.026	-1.2055u	-0.5009u	-0.3787u
Sn 189.925	16.6189	19.0943	23.9202
Sr 216.596	46.5968	46.9809	47.0652
Ti 334.941	3298.73	3288.81	3299.37
Tl 190.794	-3.7750u	-2.1305u	0.6359
V 292.401	11.6746	12.2302	11.9481
Zn 206.200	17980.0	18035.0	18053.7

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	6.6401	ppb	0.1049	1.6	383.921
Al 308.215	52744.6	ppb	70.8637	0.1	256134
As 188.980	2.3861	ppb	3.9046	163.6	-0.9480
B 249.678	73.0359	ppb	0.1782	0.2	748.362
Ba 389.178	-24.2992	ppb	0.6741	2.8	-398.773
Be 313.042	0.4856	ppb	0.0027	0.6	237.898
Ca 370.602	26265	ppb	71.08	0.3	46903
Cd 226.502	0.9775	ppb	0.0471	4.8	31.7352
Co 228.615	4.0167	ppb	0.2968	7.4	65.9301
Cr 267.716	16.8219	ppb	0.1227	0.7	512.102
Cu 324.754	33.7037	ppb	0.3100	0.9	1694.87
Fe 271.441	1431.23	ppb	6.6001	0.5	1113.29
K 766.491	1122.46	ppb	4.1293	0.4	31980.5
Mg 279.078	5946.37	ppb	2.7932	0.0	9679.81
Mn 257.610	52.6749	ppb	0.0724	0.1	6564.16
Mo 202.032	-0.0720	ppb	0.3733	518.6	3.9207

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Na 330.237	5121.76	ppb	133.706	2.6	54.9395
Ni 231.604	23.8656	ppb	0.7750	3.2	42.6012
Pb 220.353	4.5700	ppb	1.1487	25.1	4.1411
Sb 206.834	1.4369	ppb	1.8526	128.9	2.8441
Se 196.026	-0.6950	ppb	0.4463	64.2	1.9380
Sn 189.925	19.8778	ppb	3.7132	18.7	7.1426
Sr 216.596	46.8810	ppb	0.2497	0.5	320.590
Ti 334.941	3295.64	ppb	5.9203	0.2	629402
Tl 190.794	-1.7565	ppb	2.2291	126.9	-3.6460
V 292.401	11.9510	ppb	0.2778	2.3	178.863
Zn 206.200	18022.9	ppb	38.3046	0.2	10850.0

640-48980-a-3-a (Samp) **8/30/2014, 12:00:21 AM** **Rack 3, Tube 7**

Weight: 1 **Volume: 1** **Dilution: 1**

Label	Replicates Concentration		
Ag 328.068	1.8699	2.4425	2.0312
Al 308.215	14384.9	14452.0	14385.4
As 188.980	-8.2613u	7.7500	-3.5105u
B 249.678	11.3923	10.1407	10.1435
Ba 389.178	251.322	253.144	251.969
Be 313.042	0.0849	0.0885	0.0888
Ca 370.602	12066	12149	12073
Cd 226.502	-1.9674	-1.9368	-1.8876
Co 228.615	161.327	162.178	161.338
Cr 267.716	35.5388	35.4601	35.2193
Cu 324.754	1470.61	1489.14	1464.61
Fe 271.441	54280.1	54599.2	54378.9
K 766.491	3413.54	3432.82	3408.86
Mg 279.078	8849.33	8867.85	8826.47
Mn 257.610	127.473	128.129	127.758
Mo 202.032	1.5145	1.5739	0.6954
Na 330.237	2409.26u	2188.66u	2202.27u
Ni 231.604	51.7348	52.0999	52.0368
Pb 220.353	27.9373	30.5973	27.9371
Sb 206.834	2.2296	-0.5269	-0.8126
Se 196.026	-6.2324u	4.3347	-8.4742u
Sn 189.925	60.3394	62.5903	60.6656
Sr 216.596	37.2471	37.8902	37.4314
Ti 334.941	932.383	936.768	932.349
Tl 190.794	-2.3143u	5.0522u	-1.5728u
V 292.401	6.7304	6.8718	6.7332
Zn 206.200	11865.5	11901.2	11877.5

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	2.1145	ppb	0.2952	14.0	129.333
Al 308.215	14407.4	ppb	38.5923	0.3	70255.0
As 188.980	-1.3406	ppb	8.2233	613.4	-2.6856
B 249.678	10.5589	ppb	0.7218	6.8	103.594
Ba 389.178	252.145	ppb	0.9235	0.4	3755.96
Be 313.042	0.0874	ppb	0.0021	2.5	-158.464
Ca 370.602	12096	ppb	45.78	0.4	21059
Cd 226.502	-1.9306	ppb	0.0403	2.1	144.556
Co 228.615	161.614	ppb	0.4879	0.3	934.023

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Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Cr 267.716	35.4060	ppb	0.1664	0.5	1068.59
Cu 324.754	1474.79	ppb	12.7871	0.9	59616.8
Fe 271.441	54419.4	ppb	163.382	0.3	42466.8
K 766.491	3418.41	ppb	12.7020	0.4	97038.2
Mg 279.078	8847.88	ppb	20.7304	0.2	14411.1
Mn 257.610	127.786	ppb	0.3287	0.3	15940.3
Mo 202.032	1.2613	ppb	0.4909	38.9	7.7798
Na 330.237	2266.73	ppb	123.623	5.5	-3.8058
Ni 231.604	51.9571	ppb	0.1952	0.4	96.8399
Pb 220.353	28.8239	ppb	1.5358	5.3	28.7997
Sb 206.834	0.2967	ppb	1.6800	566.3	3.0184
Se 196.026	-3.4573	ppb	6.8405	197.9	1.5067
Sn 189.925	61.1984	ppb	1.2164	2.0	25.2307
Sr 216.596	37.5229	ppb	0.3312	0.9	289.310
Ti 334.941	933.834	ppb	2.5417	0.3	178367
Tl 190.794	0.3884	ppb	4.0560	1044.4	-6.0250
V 292.401	6.7785	ppb	0.0808	1.2	101.351
Zn 206.200	11881.4	ppb	18.1552	0.2	7151.36

640-48980-a-4-a (Samp) **8/30/2014, 12:04:38 AM** **Rack 3, Tube 8**

Weight: 1 **Volume: 1** **Dilution: 1**

Label	Replicates Concentration		
Ag 328.068	-8.3623u	-7.8127u	-8.1524u
Al 308.215	48006.4	48286.5	48281.0
As 188.980	10.9498	5.6269	5.9216
B 249.678	18.2348u	17.8642u	19.2854u
Ba 389.178	249.215	249.578	250.714
Be 313.042	0.5959	0.6039	0.5989
Ca 370.602	112245	112770	112320
Cd 226.502	17.6622	18.2621	18.0319
Co 228.615	1624.65	1631.15	1629.69
Cr 267.716	62.4449	63.3907	63.1096
Cu 324.754	138.843	140.577	139.765
Fe 271.441	181733	183030	182451
K 766.491	4816.54	4838.42	4826.13
Mg 279.078	4887.69	4921.64	4902.73
Mn 257.610	743.381	747.841	746.597
Mo 202.032	3.4452	3.3467	3.1828
Na 330.237	-4865.82u	-5392.75u	-5307.22u
Ni 231.604	1356.78	1350.49	1366.96
Pb 220.353	331.435	328.937	332.357
Sb 206.834	0.0576	-6.9472u	-1.2808
Se 196.026	-9.3597u	-2.9383	2.5272
Sn 189.925	371.562	374.059	372.318
Sr 216.596	123.447	124.215	123.712
Ti 334.941	3391.86	3412.85	3397.36
Tl 190.794	0.8581u	-2.2762u	6.0808u
V 292.401	34.9962	35.3755	35.0675
Zn 206.200	138617x	139255x	139388x

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-8.1091b	ppb	0.2774	3.4	-447.119
Al 308.215	48191.3b	ppb	160.149	0.3	234265

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
As 188.980	7.4994b	ppb	2.9917	39.9	0.2205
B 249.678	18.4615b	ppb	0.7372	4.0	12.8480
Ba 389.178	249.836b	ppb	0.7819	0.3	3764.80
Be 313.042	0.5995b	ppb	0.0040	0.7	366.691
Ca 370.602	112445b	ppb	283.7	0.3	196527
Cd 226.502	17.9854b	ppb	0.3026	1.7	1045.51
Co 228.615	1628.50b	ppb	3.4094	0.2	9258.31
Cr 267.716	62.9817b	ppb	0.4857	0.8	1914.12
Cu 324.754	139.728b	ppb	0.8676	0.6	5998.07
Fe 271.441	182405b	ppb	650.083	0.4	142416
K 766.491	4827.03b	ppb	10.9708	0.2	136953
Mg 279.078	4904.02b	ppb	17.0127	0.3	7975.39
Mn 257.610	745.940b	ppb	2.3015	0.3	92462.1
Mo 202.032	3.3249b	ppb	0.1326	4.0	12.4666
Na 330.237	-5188.59b	ppb	282.786	5.5	-1265.32
Ni 231.604	1358.08b	ppb	8.3145	0.6	2509.40
Pb 220.353	330.910b	ppb	1.7697	0.5	302.468
Sb 206.834	-2.7235b	ppb	3.7186	136.5	3.1446
Se 196.026	-3.2569b	ppb	5.9499	182.7	2.2806
Sn 189.925	372.646b	ppb	1.2803	0.3	161.570
Sr 216.596	123.791b	ppb	0.3901	0.3	950.076
Ti 334.941	3400.69b	ppb	10.8869	0.3	649477
Tl 190.794	1.5542b	ppb	4.2217	271.6	-12.1886
V 292.401	35.1464b	ppb	0.2016	0.6	519.954
Zn 206.200	139087xb	ppb	412.094	0.3	83728.4

640-48980-a-5-a^10 (Samp) **8/30/2014, 12:08:55 AM** **Rack 3, Tube 9**

Weight: 1 **Volume: 1** **Dilution: 1**

Label	Replicates Concentration		
Ag 328.068	2.3242	2.0346	2.2286
Al 308.215	6555.65	6365.60	6285.22
As 188.980	3.7783	0.5151	7.4496
B 249.678	2.7183	2.6392	2.3739
Ba 389.178	676.642	657.072	643.790
Be 313.042	0.0683	0.0792	0.0833
Ca 370.602	47020	45647	44743
Cd 226.502	47.1841	45.1315	44.2720
Co 228.615	61.5164	60.3946	57.6503
Cr 267.716	7.8396	7.3117	7.5224
Cu 324.754	5.7697	5.7608	5.3180
Fe 271.441	566.168	555.358	534.453
K 766.491	260.476	253.715	247.417
Mg 279.078	5050.59	4895.29	4845.66
Mn 257.610	86.5142	83.9769	82.4630
Mo 202.032	0.3508	-0.1136u	-0.4228u
Na 330.237	-2672.73u	-1745.23u	-1148.07u
Ni 231.604	5.7724	5.8159	5.1742
Pb 220.353	86208.2x	83607.8x	81956.3x
Sb 206.834	2.7264	-0.8939u	4.6094
Se 196.026	3.6473	-4.7170u	-13.5009u
Sn 189.925	11.4071	9.2332	3.7722
Sr 216.596	63.8682	62.0714	61.5758
Ti 334.941	591.051	572.648	562.548

Label	Replicates Concentration		
Tl 190.794	1.3093	4.0855	-2.2010u
V 292.401	3.6085	4.1689	3.8359
Zn 206.200	54441.7x	52810.5x	52122.4x

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	2.1958b	ppb	0.1475	6.7	139.036
Al 308.215	6402.16b	ppb	138.874	2.2	31362.2
As 188.980	3.9143b	ppb	3.4692	88.6	-0.6606
B 249.678	2.5772b	ppb	0.1804	7.0	98.7047
Ba 389.178	659.168b	ppb	16.5260	2.5	9817.18
Be 313.042	0.0769b	ppb	0.0077	10.1	-171.590
Ca 370.602	45804b	ppb	1147	2.5	80387
Cd 226.502	45.5292b	ppb	1.4962	3.3	1068.17
Co 228.615	59.8538b	ppb	1.9889	3.3	353.089
Cr 267.716	7.5579b	ppb	0.2658	3.5	235.856
Cu 324.754	5.6162b	ppb	0.2583	4.6	566.056
Fe 271.441	551.993b	ppb	16.1230	2.9	430.254
K 766.491	253.869b	ppb	6.5306	2.6	7368.32
Mg 279.078	4930.51b	ppb	106.911	2.2	8036.27
Mn 257.610	84.3181b	ppb	2.0470	2.4	10465.3
Mo 202.032	-0.0619b	ppb	0.3894	629.2	3.9913
Na 330.237	-1855.35b	ppb	768.272	41.4	-454.303
Ni 231.604	5.5875b	ppb	0.3586	6.4	8.7940
Pb 220.353	83924.1xb	ppb	2143.55	2.6	75011.4
Sb 206.834	2.1473b	ppb	2.7970	130.3	3.3798
Se 196.026	-4.8569b	ppb	8.5749	176.6	0.8722
Sn 189.925	8.1375b	ppb	3.9336	48.3	2.0013
Sr 216.596	62.5052b	ppb	1.2062	1.9	428.566
Ti 334.941	575.416b	ppb	14.4516	2.5	109910
Tl 190.794	1.0646b	ppb	3.1504	295.9	-1.7717
V 292.401	3.8711b	ppb	0.2819	7.3	50.8413
Zn 206.200	53124.9xb	ppb	1191.17	2.2	31982.2

640-48980-a-6-a^10 (Samp) **8/30/2014, 12:13:13 AM** **Rack 3, Tube 10**

Weight: 1 **Volume: 1** **Dilution: 1**

Label	Replicates Concentration		
Ag 328.068	0.1302	0.3681	0.2945
Al 308.215	2022.83	2039.47	2027.82
As 188.980	0.2810	-2.4131u	-1.9010u
B 249.678	2.3964	3.3480	2.9185
Ba 389.178	125.187	125.298	125.622
Be 313.042	0.0561	0.0686	0.0692
Ca 370.602	43715	43901	43500
Cd 226.502	1.0251	0.9671	0.8362
Co 228.615	143.981	143.087	143.179
Cr 267.716	1440.09	1448.69	1437.80
Cu 324.754	207.246	207.090	205.918
Fe 271.441	7648.47	7710.27	7643.00
K 766.491	706.966	714.916	710.884
Mg 279.078	3302.33	3317.90	3294.69
Mn 257.610	75.2275	75.4874	75.0881
Mo 202.032	0.7425	1.1955	1.5494
Na 330.237	442.964	321.082u	361.034u

Label	Replicates Concentration		
Ni 231.604	16.7807	15.9738	16.5354
Pb 220.353	8135.33	8159.21	8118.32
Sb 206.834	7.8478	4.4133	6.0759
Se 196.026	-7.7348u	3.2464	5.2408
Sn 189.925	4.1909	0.8712	-0.2151u
Sr 216.596	37.0103	36.5315	35.7948
Ti 334.941	192.251	193.478	192.728
Tl 190.794	-2.7894u	-6.3396u	0.5152
V 292.401	10.9479	11.1391	10.9475
Zn 206.200	1829.94	1822.30	1824.90

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	0.2643	ppb	0.1218	46.1	32.5185
Al 308.215	2030.04	ppb	8.5402	0.4	10165.3
As 188.980	-1.3444	ppb	1.4307	106.4	-2.5930
B 249.678	2.8876	ppb	0.4765	16.5	92.5732
Ba 389.178	125.369	ppb	0.2261	0.2	1838.46
Be 313.042	0.0646	ppb	0.0074	11.5	-176.000
Ca 370.602	43705	ppb	200.6	0.5	76555
Cd 226.502	0.9428	ppb	0.0968	10.3	52.2796
Co 228.615	143.415	ppb	0.4916	0.3	823.379
Cr 267.716	1442.19	ppb	5.7380	0.4	42351.4
Cu 324.754	206.751	ppb	0.7260	0.4	8650.25
Fe 271.441	7667.25	ppb	37.3625	0.5	5988.19
K 766.491	710.922	ppb	3.9752	0.6	20319.3
Mg 279.078	3304.97	ppb	11.8310	0.4	5391.11
Mn 257.610	75.2677	ppb	0.2027	0.3	9352.87
Mo 202.032	1.1625	ppb	0.4045	34.8	8.6636
Na 330.237	375.027	ppb	62.1343	16.6	15.8935
Ni 231.604	16.4300	ppb	0.4137	2.5	28.9901
Pb 220.353	8137.62	ppb	20.5381	0.3	7275.53
Sb 206.834	6.1123	ppb	1.7175	28.1	16.7961
Se 196.026	0.2508	ppb	6.9872	2786.1	2.2143
Sn 189.925	1.6156	ppb	2.2954	142.1	-0.8529
Sr 216.596	36.4456	ppb	0.6123	1.7	258.566
Ti 334.941	192.819	ppb	0.6183	0.3	36842.5
Tl 190.794	-2.8713	ppb	3.4281	119.4	-4.5656
V 292.401	11.0115	ppb	0.1105	1.0	113.271
Zn 206.200	1825.71	ppb	3.8837	0.2	1096.42

640-48980-a-7-a^10 (Samp) **8/30/2014, 12:17:30 AM** **Rack 3, Tube 11**

Weight: 1 **Volume: 1** **Dilution: 1**

Label	Replicates Concentration		
Ag 328.068	-0.3377u	-0.2127u	-0.1057u
Al 308.215	3805.75	3810.17	3791.39
As 188.980	-3.3483u	-3.9492u	-6.1109u
B 249.678	7.7605	8.5332	8.6639
Ba 389.178	128.956	129.189	128.176
Be 313.042	0.0411	0.0497	0.0521
Ca 370.602	113378	113650	112770
Cd 226.502	323.735	325.221	323.827
Co 228.615	78.3236	78.8675	77.0848
Cr 267.716	3.3922	3.6024	3.7576

Label	Replicates Concentration		
Cu 324.754	2.8629	2.6435	2.8426
Fe 271.441	621.999	618.999	627.395
K 766.491	632.224	631.753	628.990
Mg 279.078	1856.03	1861.28	1849.26
Mn 257.610	22.3068	22.1771	22.0943
Mo 202.032	-0.2498u	0.0333	0.1897
Na 330.237	1452.02	1599.84	1462.76
Ni 231.604	1.4187	1.4336	1.8611
Pb 220.353	585.898	589.808	585.806
Sb 206.834	1.8072	0.1714	-1.0719u
Se 196.026	27.9438	11.0467	14.8439
Sn 189.925	2.0839	-3.0197u	1.8762
Sr 216.596	184.583	185.887	183.477
Ti 334.941	906.800	906.671	901.049
Tl 190.794	-1.2963u	1.2396	0.8377
V 292.401	5.8015	5.7494	5.4441
Zn 206.200	4109.51	4118.64	4097.43

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.2187	ppb	0.1161	53.1	3.2268
Al 308.215	3802.44	ppb	9.8160	0.3	18753.2
As 188.980	-4.4694	ppb	1.4530	32.5	-3.6767
B 249.678	8.3192	ppb	0.4882	5.9	151.640
Ba 389.178	128.774	ppb	0.5303	0.4	1885.41
Be 313.042	0.0476	ppb	0.0058	12.1	-178.627
Ca 370.602	113266	ppb	450.5	0.4	198616
Cd 226.502	324.261	ppb	0.8327	0.3	7565.19
Co 228.615	78.0920	ppb	0.9136	1.2	459.666
Cr 267.716	3.5841	ppb	0.1834	5.1	118.366
Cu 324.754	2.7830	ppb	0.1212	4.4	452.208
Fe 271.441	622.797	ppb	4.2546	0.7	486.612
K 766.491	630.989	ppb	1.7471	0.3	18054.3
Mg 279.078	1855.52	ppb	6.0231	0.3	3031.74
Mn 257.610	22.1927	ppb	0.1071	0.5	2782.13
Mo 202.032	-0.0090	ppb	0.2228	2483.4	4.1986
Na 330.237	1504.88	ppb	82.4178	5.5	38.2042
Ni 231.604	1.5711	ppb	0.2512	16.0	1.3316
Pb 220.353	587.171	ppb	2.2844	0.4	525.895
Sb 206.834	0.3022	ppb	1.4440	477.8	1.7431
Se 196.026	17.9448	ppb	8.8650	49.4	6.7015
Sn 189.925	0.3135	ppb	2.8885	921.5	-1.4228
Sr 216.596	184.649	ppb	1.2065	0.7	1258.54
Ti 334.941	904.840	ppb	3.2835	0.4	172817
Tl 190.794	0.2603	ppb	1.3630	523.5	-2.2515
V 292.401	5.6650	ppb	0.1931	3.4	77.2702
Zn 206.200	4108.52	ppb	10.6409	0.3	2473.33

640-48980-a-8-a^10 (Samp) **8/30/2014, 12:21:47 AM** **Rack 3, Tube 12**

Weight: 1 **Volume: 1** **Dilution: 1**

Label	Replicates Concentration		
Ag 328.068	-0.0748u	0.0380u	-0.1214u
Al 308.215	3250.48	3251.87	3253.25
As 188.980	1.3391	8.0793	-1.0153u

Label	Replicates Concentration		
B 249.678	10.5573	10.9272	10.9007
Ba 389.178	86.6044	86.5105	86.9993
Be 313.042	0.0522	0.0547	0.0489
Ca 370.602	93471	93610	93402
Cd 226.502	16.5465	16.6663	16.5252
Co 228.615	114.101	114.584	114.900
Cr 267.716	2.2204	2.2308	2.4085
Cu 324.754	3.3035	3.2369	3.2217
Fe 271.441	305.790	306.477	303.660
K 766.491	523.829	525.643	527.801
Mg 279.078	2024.09	2020.12	2023.02
Mn 257.610	41.1370	41.2316	41.2028
Mo 202.032	-0.1501u	-0.1964u	0.1492
Na 330.237	883.993u	774.344u	752.066u
Ni 231.604	2.0354	1.8675	2.8251
Pb 220.353	13829.5	13838.1	13864.3
Sb 206.834	2.3880	4.4209	-1.3911u
Se 196.026	0.9469	1.8694	-15.3540u
Sn 189.925	-2.6446u	-2.7239u	-1.9877u
Sr 216.596	112.696	113.468	113.399
Ti 334.941	899.335	898.115	899.739
Tl 190.794	-3.8590u	-2.2349u	-1.3455u
V 292.401	4.2814	3.8139	3.8223
Zn 206.200	18159.7	18150.7	18127.3

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.0527	ppb	0.0819	155.4	14.0282
Al 308.215	3251.86	ppb	1.3878	0.0	16082.2
As 188.980	2.8010	ppb	4.7203	168.5	-1.0762
B 249.678	10.7951	ppb	0.2064	1.9	174.927
Ba 389.178	86.7048	ppb	0.2594	0.3	1256.56
Be 313.042	0.0519	ppb	0.0029	5.6	-179.306
Ca 370.602	93494	ppb	106.3	0.1	163992
Cd 226.502	16.5794	ppb	0.0761	0.5	391.719
Co 228.615	114.528	ppb	0.4024	0.4	665.615
Cr 267.716	2.2865	ppb	0.1057	4.6	81.8854
Cu 324.754	3.2540	ppb	0.0435	1.3	471.075
Fe 271.441	305.309	ppb	1.4686	0.5	241.017
K 766.491	525.757	ppb	1.9883	0.4	15072.5
Mg 279.078	2022.41	ppb	2.0537	0.1	3303.32
Mn 257.610	41.1905	ppb	0.0485	0.1	5127.77
Mo 202.032	-0.0658	ppb	0.1876	285.3	3.9823
Na 330.237	803.468	ppb	70.6213	8.8	-93.7679
Ni 231.604	2.2427	ppb	0.5113	22.8	2.5107
Pb 220.353	13844.0	ppb	18.1415	0.1	12374.6
Sb 206.834	1.8059	ppb	2.9494	163.3	3.0380
Se 196.026	-4.1792	ppb	9.6886	231.8	1.0390
Sn 189.925	-2.4521	ppb	0.4041	16.5	-2.6337
Sr 216.596	113.188	ppb	0.4271	0.4	776.909
Ti 334.941	899.063	ppb	0.8454	0.1	171714
Tl 190.794	-2.4798	ppb	1.2745	51.4	-3.8346
V 292.401	3.9725	ppb	0.2675	6.7	54.6984
Zn 206.200	18145.9	ppb	16.7353	0.1	10924.1

Cont Calib Verif (CCV) **8/30/2014, 12:26:04 AM** **Rack 3, Tube 13**

Weight: 1 **Volume: 1** **Dilution: 1**

Label	Replicates Concentration		
Ag 328.068	516.175	511.768	514.922
Al 308.215	4900.67	4850.87	4899.47
As 188.980	479.280	480.009	484.327
B 249.678	494.379	495.091	502.750
Ba 389.178	5036.90	4986.89	5012.62
Be 313.042	519.928	516.252	520.790
Ca 370.602	5088	5057	5081
Cd 226.502	496.881	491.995	497.723
Co 228.615	508.144	502.063	507.743
Cr 267.716	5040.82	5003.12	5044.08
Cu 324.754	5098.48	4996.74	5061.64
Fe 271.441	5114.19	5073.36	5113.72
K 766.491	10314.6	10238.9	10311.1
Mg 279.078	4975.38	4923.41	4973.98
Mn 257.610	5125.15	5086.11	5130.57
Mo 202.032	506.269	501.592	507.670
Na 330.237	7734.25	7566.36	7465.41
Ni 231.604	2502.96	2495.14	2511.91
Pb 220.353	488.264	486.743	486.853
Sb 206.834	971.331	977.677	989.170
Se 196.026	4912.38	4861.92	4924.16
Sn 189.925	5028.99	4971.64	5035.72
Sr 216.596	2498.09	2481.07	2504.46
Ti 334.941	499.950	495.563	500.404
Tl 190.794	5041.85	5018.87	5067.70
V 292.401	5141.54	5096.36	5139.42
Zn 206.200	2468.17	2464.05	2487.70

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Ag 328.068	514.289	ppb	2.2711	0.4	28286.5	102.85773
Al 308.215	4883.67	ppb	28.4137	0.6	24386.9	97.67338
As 188.980	481.205	ppb	2.7276	0.6	170.087	96.24105
B 249.678	497.407	ppb	4.6415	0.9	4671.48	99.48132
Ba 389.178	5012.13	ppb	25.0106	0.5	74900.7	100.24268
Be 313.042	518.990	ppb	2.4098	0.5	508718	103.79801
Ca 370.602	5075	ppb	16.34	0.3	9113	101.50310
Cd 226.502	495.533	ppb	3.0926	0.6	11573.3	99.10664
Co 228.615	505.983	ppb	3.4006	0.7	2872.12	101.19666
Cr 267.716	5029.34	ppb	22.7667	0.5	147632	100.58678
Cu 324.754	5052.29	ppb	51.5074	1.0	203336	101.04573
Fe 271.441	5100.42	ppb	23.4374	0.5	4031.19	102.00845
K 766.491	10288.2	ppb	42.6987	0.4	291699	102.88179
Mg 279.078	4957.59	ppb	29.6060	0.6	8018.78	99.15179
Mn 257.610	5113.94	ppb	24.2546	0.5	631461	102.27888
Mo 202.032	505.177	ppb	3.1825	0.6	2010.31	101.03542
Na 330.237	7588.67	ppb	135.801	1.8	264.239	101.18233
Ni 231.604	2503.33	ppb	8.3882	0.3	4613.49	100.13336
Pb 220.353	487.287	ppb	0.8484	0.2	439.327	97.45732
Sb 206.834	979.393	ppb	9.0422	0.9	885.811	97.93929
Se 196.026	4899.49	ppb	33.0596	0.7	1256.95	97.98972
Sn 189.925	5012.12	ppb	35.2140	0.7	2192.57	100.24232
Sr 216.596	2494.54	ppb	12.0934	0.5	16628.2	99.78153

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Ti 334.941	498.639	ppb	2.6733	0.5	95247.4	99.72784
Tl 190.794	5042.80	ppb	24.4298	0.5	3079.61	100.85606
V 292.401	5125.77	ppb	25.4963	0.5	67991.7	102.51550
Zn 206.200	2473.31	ppb	12.6387	0.5	1480.25	98.93223

Cont Calib Blank (CCB) **8/30/2014, 12:30:22 AM** **Rack 3, Tube 14**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Replicates Concentration		
Ag 328.068	-0.5713u	-0.0746u	0.0852
Al 308.215	4.6239	2.9170	4.5895
As 188.980	-1.4210u	-2.8380u	-1.2711u
B 249.678	4.9615	3.7597	1.8685
Ba 389.178	-0.0383u	0.0562	0.6782
Be 313.042	0.0321	0.0369	0.0382
Ca 370.602	7.644	4.134	5.540
Cd 226.502	-0.2044u	0.0712	0.0698
Co 228.615	0.3333	0.2388	0.2051
Cr 267.716	0.3486	0.3855	0.1963
Cu 324.754	0.4623	0.3509	0.3034
Fe 271.441	1.8560	0.7824	-2.9698u
K 766.491	1.1153	0.9779	0.9191
Mg 279.078	2.3513	-0.4749u	2.1432
Mn 257.610	0.3412	0.3619	0.3190
Mo 202.032	-0.0507u	-0.3144u	-0.5189u
Na 330.237	-141.069u	-127.750u	-119.954u
Ni 231.604	0.5691	0.0529	0.8471
Pb 220.353	-0.1453u	3.1545	0.2060
Sb 206.834	-1.3980u	-1.6118u	-2.0399u
Se 196.026	-6.2600u	-8.4836u	-5.0000u
Sn 189.925	-4.0965u	-3.3296u	-4.6695u
Sr 216.596	-0.0599u	-0.0562u	-0.0246u
Ti 334.941	0.2363	0.0482	0.0504
Tl 190.794	-0.9657u	-2.0896u	0.5405
V 292.401	0.5524	0.4554	0.5128
Zn 206.200	-0.5502u	-1.0334u	-1.9546u

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Ag 328.068	-0.1869	ppb	0.3424	183.2	9.1902	-0.18690
Al 308.215	4.0435	ppb	0.9757	24.1	329.449	4.04347
As 188.980	-1.8434	ppb	0.8646	46.9	-2.7559	-1.84335
B 249.678	3.5299	ppb	1.5593	44.2	108.178	3.52990
Ba 389.178	0.2320	ppb	0.3893	167.8	-38.1351	0.23204
Be 313.042	0.0357	ppb	0.0032	9.0	-211.184	0.03572
Ca 370.602	5.773	ppb	1.766	30.6	31.19	5.77253
Cd 226.502	-0.0211	ppb	0.1587	750.8	3.5445	-0.02114
Co 228.615	0.2591	ppb	0.0665	25.7	10.0703	0.25909
Cr 267.716	0.3101	ppb	0.1003	32.3	22.9231	0.31012
Cu 324.754	0.3722	ppb	0.0816	21.9	355.224	0.37221
Fe 271.441	-0.1104	ppb	2.5338	2294.1	-4.1776	-0.11045
K 766.491	1.0041	ppb	0.1007	10.0	203.166	1.00412
Mg 279.078	1.3399	ppb	1.5751	117.6	14.3872	1.33986
Mn 257.610	0.3407	ppb	0.0214	6.3	74.2422	0.34070
Mo 202.032	-0.2947	ppb	0.2347	79.6	3.0828	-0.29466

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Na 330.237	-129.591	ppb	10.6769	8.2	13.7101	-129.59108
Ni 231.604	0.4897	ppb	0.4030	82.3	-0.5813	0.48971
Pb 220.353	1.0717	ppb	1.8123	169.1	2.3284	1.07174
Sb 206.834	-1.6832	ppb	0.3269	19.4	-0.0195	-1.68324
Se 196.026	-6.5812	ppb	1.7639	26.8	0.4174	-6.58124
Sn 189.925	-4.0319	ppb	0.6723	16.7	-3.3252	-4.03189
Sr 216.596	-0.0469	ppb	0.0194	41.4	1.0782	-0.04692
Ti 334.941	0.1116	ppb	0.1080	96.7	36.1680	0.11161
Tl 190.794	-0.8383	ppb	1.3197	157.4	-3.0221	-0.83827
V 292.401	0.5069	ppb	0.0487	9.6	1.7601	0.50687
Zn 206.200	-1.1794	ppb	0.7135	60.5	-0.7719	-1.17940

640-48980-a-9-a (Samp) **8/30/2014, 12:34:39 AM** **Rack 3, Tube 15**

Weight: 1 **Volume: 1** **Dilution: 1**

Label	Replicates Concentration		
Ag 328.068	13.6077	13.7817	13.4979
Al 308.215	54489.0	54942.5	54199.9
As 188.980	8.3689	14.3586	5.2211
B 249.678	879.084	889.826	884.381
Ba 389.178	-55.0281u	-57.2910u	-57.6012u
Be 313.042	-0.0676	-0.0636	-0.0661
Ca 370.602	623027	633625	626769
Cd 226.502	0.6467	0.4506	0.5766
Co 228.615	664.323	674.824	665.538
Cr 267.716	8.1975	8.2496	8.2186
Cu 324.754	24.5812	24.5352	24.1142
Fe 271.441	1721.70	1723.10	1707.64
K 766.491	2760.80	2786.61	2747.40
Mg 279.078	18267.7	18427.1	18196.3
Mn 257.610	222.866	224.607	222.166
Mo 202.032	-0.5818u	-0.3519u	0.3135
Na 330.237	7369.46	7202.54	7073.80
Ni 231.604	19.7306	18.6952	21.6049
Pb 220.353	48.3129	41.7365	47.7565
Sb 206.834	-2.5273u	-2.3696u	2.9338
Se 196.026	7.8846	3.5848	2.1008
Sn 189.925	61.6377	65.2883	58.0740
Sr 216.596	847.311	852.952	842.261
Ti 334.941	5894.78	5935.55	5866.92
Tl 190.794	-6.0019u	-1.2160	-1.2692
V 292.401	10.1868	11.5569	10.4546
Zn 206.200	26403.1	26629.5	26301.9

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	13.6291	ppb	0.1431	1.1	750.255
Al 308.215	54543.8	ppb	374.313	0.7	264858
As 188.980	9.3162	ppb	4.6418	49.8	1.5417
B 249.678	884.431	ppb	5.3712	0.6	8242.36
Ba 389.178	-56.6401	ppb	1.4046	2.5	-870.595
Be 313.042	-0.0658	ppb	0.0021	3.1	-191.917
Ca 370.602	627807	ppb	5375	0.9	1101038
Cd 226.502	0.5580	ppb	0.0994	17.8	23.2219
Co 228.615	668.228	ppb	5.7446	0.9	3848.87

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Cr 267.716	8.2219	ppb	0.0262	0.3	263.203
Cu 324.754	24.4102	ppb	0.2574	1.1	1321.48
Fe 271.441	1717.48	ppb	8.5518	0.5	1376.41
K 766.491	2764.94	ppb	19.9299	0.7	78521.7
Mg 279.078	18297.0	ppb	118.183	0.6	29783.4
Mn 257.610	223.213	ppb	1.2569	0.6	27678.4
Mo 202.032	-0.2067	ppb	0.4649	224.9	3.3751
Na 330.237	7215.27	ppb	148.241	2.1	59.9518
Ni 231.604	20.0102	ppb	1.4749	7.4	34.5415
Pb 220.353	45.9353	ppb	3.6469	7.9	40.2520
Sb 206.834	-0.6543	ppb	3.1084	475.1	0.9808
Se 196.026	4.5234	ppb	3.0040	66.4	3.2973
Sn 189.925	61.6666	ppb	3.6072	5.8	25.4368
Sr 216.596	847.508	ppb	5.3482	0.6	5794.23
Ti 334.941	5899.08	ppb	34.5124	0.6	1126604
Tl 190.794	-2.8290	ppb	2.7479	97.1	-3.1356
V 292.401	10.7328	ppb	0.7262	6.8	182.926
Zn 206.200	26444.8	ppb	167.710	0.6	15920.2

640-48980-a-10-a (Samp) **8/30/2014, 12:38:57 AM** **Rack 3, Tube 16**

Weight: 1 **Volume: 1** **Dilution: 1**

Label	Replicates Concentration		
Ag 328.068	5.1032	4.9248	5.0972
Al 308.215	57543.7	57795.5	57518.7
As 188.980	9.9450	8.8092	15.8347
B 249.678	621.295	624.767	624.802
Ba 389.178	4416.03	4432.05	4413.80
Be 313.042	0.1636	0.1552	0.1550
Ca 370.602	742619	744603	740640
Cd 226.502	1.8983	2.0613	1.6951
Co 228.615	544.315	547.503	541.984
Cr 267.716	40.1111	40.5046	39.8081
Cu 324.754	138.058	137.613	136.801
Fe 271.441	62479.7	62649.4	62315.3
K 766.491	15325.4	15409.6	15356.6
Mg 279.078	32819.7	32949.0	32764.3
Mn 257.610	565.234	567.131	564.102
Mo 202.032	2.3390	3.3296	3.1573
Na 330.237	12941.6u	12955.0u	12961.8u
Ni 231.604	25.3916	24.2983	24.5961
Pb 220.353	2550.82	2555.26	2549.00
Sb 206.834	2.1038	-2.0268u	2.7893
Se 196.026	-7.4474u	-0.4638	7.8063
Sn 189.925	62.3954	61.5186	60.6234
Sr 216.596	1031.98	1034.42	1028.77
Ti 334.941	7174.59	7183.08	7153.46
Tl 190.794	-7.5601u	7.7311	1.5307u
V 292.401	50.9583	50.5835	50.5467
Zn 206.200	59950.6x	60082.8x	59798.0x

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	5.0417b	ppb	0.1013	2.0	267.887
Al 308.215	57619.3b	ppb	153.110	0.3	279853

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
As 188.980	11.5296b	ppb	3.7713	32.7	2.1375
B 249.678	623.621b	ppb	2.0143	0.3	5755.72
Ba 389.178	4420.63b	ppb	9.9517	0.2	66096.5
Be 313.042	0.1579b	ppb	0.0049	3.1	46.7316
Ca 370.602	742621b	ppb	1982	0.3	1302005
Cd 226.502	1.8849b	ppb	0.1835	9.7	261.534
Co 228.615	544.601b	ppb	2.7705	0.5	3165.21
Cr 267.716	40.1413b	ppb	0.3493	0.9	1217.73
Cu 324.754	137.490b	ppb	0.6372	0.5	5879.67
Fe 271.441	62481.5b	ppb	167.063	0.3	48780.9
K 766.491	15363.9b	ppb	42.5843	0.3	435523
Mg 279.078	32844.3b	ppb	94.7875	0.3	53460.6
Mn 257.610	565.489b	ppb	1.5305	0.3	70105.0
Mo 202.032	2.9420b	ppb	0.5293	18.0	14.2115
Na 330.237	12952.8b	ppb	10.2708	0.1	-7.2760
Ni 231.604	24.7620b	ppb	0.5652	2.3	46.5833
Pb 220.353	2551.69b	ppb	3.2218	0.1	2281.84
Sb 206.834	0.9554b	ppb	2.6053	272.7	3.7730
Se 196.026	-0.0350b	ppb	7.6359	21835.9	2.4794
Sn 189.925	61.5125b	ppb	0.8860	1.4	25.3697
Sr 216.596	1031.72b	ppb	2.8362	0.3	7087.30
Ti 334.941	7170.38b	ppb	15.2504	0.2	1369408
Tl 190.794	0.5672b	ppb	7.6910	1355.9	-5.6907
V 292.401	50.6962b	ppb	0.2277	0.4	734.189
Zn 206.200	59943.8xb	ppb	142.515	0.2	36085.7

640-48980-a-11-a^10 (Samp) **8/30/2014, 12:43:14 AM** **Rack 3, Tube 17**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Replicates Concentration		
Ag 328.068	0.3141	0.1285	0.1778
Al 308.215	3303.93	3304.39	3306.12
As 188.980	-0.4729u	5.6814	1.1061
B 249.678	888.990	894.855	893.066
Ba 389.178	912.448	912.527	911.174
Be 313.042	0.0501	0.0456	0.0548
Ca 370.602	97254	97680	97544
Cd 226.502	17.5004	17.5980	17.4285
Co 228.615	102.088	102.176	102.119
Cr 267.716	264.181	264.463	264.050
Cu 324.754	3.7414	3.4481	3.6413
Fe 271.441	416.101	414.712	424.344
K 766.491	406.658	406.478	405.966
Mg 279.078	2940.81	2936.98	2945.10
Mn 257.610	101.768	102.119	101.871
Mo 202.032	-0.3950u	-0.0676u	-0.6695u
Na 330.237	-20.6655u	48.7012u	86.5908u
Ni 231.604	1.9390	2.4243	3.2660
Pb 220.353	3895.34	3903.99	3908.68
Sb 206.834	-1.7424	3.4346	5.2344
Se 196.026	-3.6442u	-13.4658u	-1.7472u
Sn 189.925	1.0405	2.5975	1.0394
Sr 216.596	137.244	137.712	136.343
Ti 334.941	822.177	822.161	821.546

Label	Replicates Concentration		
Tl 190.794	-1.3555u	-0.0752	1.4887
V 292.401	4.0390	3.9724	3.5959
Zn 206.200	13543.3	13551.0	13515.0

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	0.2068	ppb	0.0962	46.5	27.9443
Al 308.215	3304.81	ppb	1.1552	0.0	16339.1
As 188.980	2.1049	ppb	3.1964	151.9	-1.3254
B 249.678	892.304	ppb	3.0059	0.3	8316.85
Ba 389.178	912.050	ppb	0.7596	0.1	13595.6
Be 313.042	0.0502	ppb	0.0046	9.1	-179.231
Ca 370.602	97493	ppb	217.5	0.2	170973
Cd 226.502	17.5090	ppb	0.0851	0.5	413.695
Co 228.615	102.128	ppb	0.0446	0.0	594.993
Cr 267.716	264.232	ppb	0.2112	0.1	7771.37
Cu 324.754	3.6103	ppb	0.1491	4.1	485.415
Fe 271.441	418.386	ppb	5.2065	1.2	328.776
K 766.491	406.367	ppb	0.3590	0.1	11689.5
Mg 279.078	2940.96	ppb	4.0623	0.1	4797.90
Mn 257.610	101.920	ppb	0.1805	0.2	12630.0
Mo 202.032	-0.3774	ppb	0.3014	79.9	2.7399
Na 330.237	38.2088	ppb	54.3925	142.4	-85.3464
Ni 231.604	2.5431	ppb	0.6714	26.4	3.0848
Pb 220.353	3902.67	ppb	6.7673	0.2	3489.39
Sb 206.834	2.3089	ppb	3.6221	156.9	5.2817
Se 196.026	-6.2857	ppb	6.2900	100.1	0.5080
Sn 189.925	1.5591	ppb	0.8993	57.7	-0.8778
Sr 216.596	137.099	ppb	0.6960	0.5	937.562
Ti 334.941	821.961	ppb	0.3599	0.0	156991
Tl 190.794	0.0193	ppb	1.4245	7372.1	-2.3214
V 292.401	3.8691	ppb	0.2389	6.2	47.1695
Zn 206.200	13536.5	ppb	18.9377	0.1	8148.71

640-48980-a-12-a^10 (Samp) **8/30/2014, 12:47:31 AM** **Rack 3, Tube 18**

Weight: 1 **Volume: 1** **Dilution: 1**

Label	Replicates Concentration		
Ag 328.068	1.7962	1.7455	1.4417
Al 308.215	2883.05	2743.03	2673.36
As 188.980	0.5917	6.1067	-0.5570u
B 249.678	27.9773	26.4470	23.5554
Ba 389.178	103.931	99.7634	97.0798
Be 313.042	0.0829	0.0705	0.0744
Ca 370.602	83637	79560	77684
Cd 226.502	4.6162	4.6346	4.5103
Co 228.615	141.938	134.744	131.020
Cr 267.716	342.623	326.235	318.156
Cu 324.754	9.8000	8.9489	9.0854
Fe 271.441	5196.41	4948.47	4812.93
K 766.491	1019.27	978.252	961.890
Mg 279.078	4965.94	4725.54	4622.17
Mn 257.610	80.3252	76.7255	74.8792
Mo 202.032	0.5171	0.5789	-0.2844u
Na 330.237	-447.555u	-509.014u	-412.077u

Label	Replicates Concentration		
Ni 231.604	3.0618	4.3901	3.8112
Pb 220.353	2525.64	2417.72	2367.39
Sb 206.834	9.4075	10.6419	7.4562
Se 196.026	-7.3577u	-1.6668u	-3.4274u
Sn 189.925	-0.8277u	0.7479	-0.3373u
Sr 216.596	52.4692	49.7595	47.7811
Ti 334.941	348.123	332.290	325.711
Tl 190.794	-0.5863u	-0.6244u	-0.7331u
V 292.401	4.4973	4.2652	4.6227
Zn 206.200	2124.13	2018.82	1981.51

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	1.6611	ppb	0.1917	11.5	109.296
Al 308.215	2766.48	ppb	106.793	3.9	13733.6
As 188.980	2.0472	ppb	3.5623	174.0	-1.3653
B 249.678	25.9932	ppb	2.2456	8.6	309.377
Ba 389.178	100.258	ppb	3.4521	3.4	1463.45
Be 313.042	0.0759	ppb	0.0063	8.4	-157.411
Ca 370.602	80294	ppb	3043	3.8	140688
Cd 226.502	4.5870	ppb	0.0671	1.5	128.052
Co 228.615	135.901	ppb	5.5502	4.1	781.069
Cr 267.716	329.005	ppb	12.4665	3.8	9673.52
Cu 324.754	9.2781	ppb	0.4571	4.9	714.268
Fe 271.441	4985.94	ppb	194.464	3.9	3894.62
K 766.491	986.469	ppb	29.5577	3.0	28127.2
Mg 279.078	4771.22	ppb	176.377	3.7	7777.87
Mn 257.610	77.3100	ppb	2.7696	3.6	9607.13
Mo 202.032	0.2705	ppb	0.4816	178.0	5.1919
Na 330.237	-456.215	ppb	49.0450	10.8	-14.7251
Ni 231.604	3.7544	ppb	0.6659	17.7	5.4946
Pb 220.353	2436.92	ppb	80.8547	3.3	2179.66
Sb 206.834	9.1685	ppb	1.6062	17.5	11.7876
Se 196.026	-4.1506	ppb	2.9135	70.2	1.0745
Sn 189.925	-0.1390	ppb	0.8063	580.0	-1.6211
Sr 216.596	50.0033	ppb	2.3535	4.7	355.157
Ti 334.941	335.375	ppb	11.5197	3.4	64068.4
Tl 190.794	-0.6479	ppb	0.0762	11.8	-3.0233
V 292.401	4.4617	ppb	0.1814	4.1	50.7287
Zn 206.200	2041.49	ppb	73.9602	3.6	1228.27

640-48980-a-13-a (Samp) **8/30/2014, 12:51:49 AM** **Rack 3, Tube 19**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Replicates Concentration		
Ag 328.068	0.3687u	0.4932u	0.6484
Al 308.215	60122.4	60198.8	60013.4
As 188.980	0.0681u	9.8387	-3.4247u
B 249.678	42.9427	43.0484	41.9621
Ba 389.178	299.575	298.656	295.892
Be 313.042	0.4814	0.4810	0.4876
Ca 370.602	279328	280674	277351
Cd 226.502	-4.3932	-4.1883	-4.6368
Co 228.615	11.8113	9.6498	10.5108
Cr 267.716	126.857	127.291	126.731

Label	Replicates Concentration		
Cu 324.754	105.753	105.884	104.703
Fe 271.441	206752	207059	206192
K 766.491	3999.87	3997.18	3990.37
Mg 279.078	45423.4	45553.0	45316.6
Mn 257.610	376.615	377.659	375.929
Mo 202.032	1.8914	2.1835	1.4201u
Na 330.237	1942.55	2029.09	1744.82
Ni 231.604	219.300	220.784	216.127
Pb 220.353	81.4904	83.5409	87.8252
Sb 206.834	-0.6170	-0.5187	5.4456
Se 196.026	5.6633	-7.9119u	-2.3743
Sn 189.925	25.4123	25.0767	26.2284
Sr 216.596	419.582	419.481	419.004
Ti 334.941	6688.67	6682.97	6635.78
Tl 190.794	1.7163u	4.6142u	11.3302u
V 292.401	41.3265	41.8487	41.6538
Zn 206.200	1647.09	1670.68	1643.70

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	0.5034	ppb	0.1401	27.8	15.6181
Al 308.215	60111.6	ppb	93.1657	0.2	292118
As 188.980	2.1607	ppb	6.8749	318.2	-1.7076
B 249.678	42.6511	ppb	0.5990	1.4	205.463
Ba 389.178	298.041	ppb	1.9170	0.6	4532.10
Be 313.042	0.4834	ppb	0.0037	0.8	277.618
Ca 370.602	279118	ppb	1672	0.6	489112
Cd 226.502	-4.4061	ppb	0.2245	5.1	606.152
Co 228.615	10.6573	ppb	1.0882	10.2	145.815
Cr 267.716	126.960	ppb	0.2937	0.2	3803.03
Cu 324.754	105.446	ppb	0.6476	0.6	4626.10
Fe 271.441	206668	ppb	439.830	0.2	161252
K 766.491	3995.81	ppb	4.8949	0.1	113399
Mg 279.078	45431.0	ppb	118.370	0.3	73952.6
Mn 257.610	376.734	ppb	0.8709	0.2	47096.1
Mo 202.032	1.8317	ppb	0.3852	21.0	5.8612
Na 330.237	1905.49	ppb	145.709	7.6	27.0513
Ni 231.604	218.737	ppb	2.3793	1.1	412.257
Pb 220.353	84.2855	ppb	3.2324	3.8	82.1748
Sb 206.834	1.4366	ppb	3.4722	241.7	7.6453
Se 196.026	-1.5410	ppb	6.8258	443.0	2.7944
Sn 189.925	25.5725	ppb	0.5923	2.3	9.6346
Sr 216.596	419.356	ppb	0.3086	0.1	2991.64
Ti 334.941	6669.14	ppb	29.0308	0.4	1273712
Tl 190.794	5.8869	ppb	4.9317	83.8	-14.1924
V 292.401	41.6097	ppb	0.2639	0.6	634.254
Zn 206.200	1653.82	ppb	14.6960	0.9	990.105

640-48980-a-14-a^10 (Samp) **8/30/2014, 12:56:06 AM** **Rack 3, Tube 20**

Weight: 1 **Volume: 1** **Dilution: 1**

Label	Replicates Concentration		
Ag 328.068	1.0141	0.8456	0.9321
Al 308.215	6576.77	6295.73	6212.33
As 188.980	5.0378	4.2882	3.1485

Label	Replicates Concentration		
B 249.678	6.4188	6.6610	6.1131
Ba 389.178	1058.93	1018.37	998.235
Be 313.042	0.0812	0.0745	0.0645
Ca 370.602	30084	28880	28318
Cd 226.502	45.1973	43.4713	42.3349
Co 228.615	79.0909	77.3018	76.1710
Cr 267.716	3.9818	3.7103	3.9589
Cu 324.754	4.8009	5.0740	4.6522
Fe 271.441	441.283	421.262	415.437
K 766.491	319.767	309.592	305.136
Mg 279.078	5068.77	4849.34	4759.98
Mn 257.610	72.1616	69.6025	68.0613
Mo 202.032	0.4916	0.5315	1.3852
Na 330.237	-1224.83u	-714.445u	-557.656u
Ni 231.604	6.2291	4.9190	4.8839
Pb 220.353	9058.60	8801.00	8620.14
Sb 206.834	1.7990	1.4107	2.5429
Se 196.026	-9.2161u	-7.8052u	1.8909
Sn 189.925	11.3634	8.1786	11.6526
Sr 216.596	31.0276	30.3594	29.8684
Ti 334.941	1095.97	1051.93	1032.27
Tl 190.794	-3.8759u	-4.4588u	-7.9994u
V 292.401	2.3371	2.6972	2.3304
Zn 206.200	39756.8x	38289.3x	37419.8x

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	0.9306b	ppb	0.0842	9.1	70.1109
Al 308.215	6361.61b	ppb	190.941	3.0	31165.3
As 188.980	4.1582b	ppb	0.9513	22.9	-0.5733
B 249.678	6.3976b	ppb	0.2745	4.3	134.150
Ba 389.178	1025.18b	ppb	30.9147	3.0	15288.6
Be 313.042	0.0734b	ppb	0.0084	11.4	-168.674
Ca 370.602	29094b	ppb	902.3	3.1	51257
Cd 226.502	43.6678b	ppb	1.4413	3.3	1023.57
Co 228.615	77.5213b	ppb	1.4723	1.9	458.048
Cr 267.716	3.8837b	ppb	0.1505	3.9	128.689
Cu 324.754	4.8424b	ppb	0.2139	4.4	534.957
Fe 271.441	425.994b	ppb	13.5570	3.2	332.999
K 766.491	311.498b	ppb	7.4995	2.4	9001.28
Mg 279.078	4892.70b	ppb	158.893	3.2	7974.90
Mn 257.610	69.9418b	ppb	2.0711	3.0	8689.82
Mo 202.032	0.8028b	ppb	0.5048	62.9	7.4347
Na 330.237	-832.309b	ppb	348.854	41.9	-307.279
Ni 231.604	5.3440b	ppb	0.7667	14.3	8.3026
Pb 220.353	8826.58b	ppb	220.348	2.5	7890.10
Sb 206.834	1.9176b	ppb	0.5753	30.0	3.1428
Se 196.026	-5.0435b	ppb	6.0467	119.9	0.8219
Sn 189.925	10.3982b	ppb	1.9276	18.5	2.9913
Sr 216.596	30.4185b	ppb	0.5819	1.9	210.776
Ti 334.941	1060.06b	ppb	32.6182	3.1	202464
Tl 190.794	-5.4447b	ppb	2.2316	41.0	-5.7093
V 292.401	2.4549b	ppb	0.2099	8.5	35.7007
Zn 206.200	38488.6xb	ppb	1181.16	3.1	23170.9

640-48980-a-15-a (Samp) **8/30/2014, 1:00:23 AM** **Rack 3, Tube 21**

Weight: 1 **Volume: 1** **Dilution: 1**

Label	Replicates Concentration		
Ag 328.068	0.0920u	0.2171u	-0.0369u
Al 308.215	46502.8	46383.5	46425.5
As 188.980	2.7277	7.3959	2.7266
B 249.678	102.095	102.392	103.063
Ba 389.178	38.0164	38.7015	37.4497
Be 313.042	-0.1983	-0.1991	-0.1903
Ca 370.602	1799260x	1820124x	1818206x
Cd 226.502	0.2242	0.2511	0.3540
Co 228.615	1.3753	0.9738	1.8281
Cr 267.716	13.2954	13.6846	13.7565
Cu 324.754	56.6883	56.1306	56.8118
Fe 271.441	6324.06	6331.07	6347.02
K 766.491	6399.17	6336.65	6353.44
Mg 279.078	25334.1	25381.8	25392.0
Mn 257.610	700.855	700.584	702.680
Mo 202.032	0.5674	0.8206	1.0273
Na 330.237	9131.83	9295.60	9111.49
Ni 231.604	17.8666	15.6884	19.3266
Pb 220.353	31.7391	33.2300	34.4704
Sb 206.834	2.0959	0.8444	3.4627
Se 196.026	0.7745	5.8825	-6.1142u
Sn 189.925	37.7625	35.4417	36.5318
Sr 216.596	4124.48	4131.51	4132.41
Ti 334.941	3173.02	3139.13	3089.72
Tl 190.794	-4.0029u	-1.1321u	-4.3336u
V 292.401	35.2015	36.0745	34.2779
Zn 206.200	307.380	305.148	311.138

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	0.0907b	ppb	0.1270	140.0	-67.2233
Al 308.215	46437.3b	ppb	60.4804	0.1	225550
As 188.980	4.2834b	ppb	2.6955	62.9	-0.3218
B 249.678	102.517b	ppb	0.4957	0.5	1014.41
Ba 389.178	38.0559b	ppb	0.6268	1.6	553.327
Be 313.042	-0.1959b	ppb	0.0049	2.5	-104.675
Ca 370.602	1812530xb	ppb	11532	0.6	3174958
Cd 226.502	0.2764b	ppb	0.0685	24.8	32.2372
Co 228.615	1.3924b	ppb	0.4274	30.7	49.5508
Cr 267.716	13.5788b	ppb	0.2481	1.8	419.746
Cu 324.754	56.5435b	ppb	0.3630	0.6	2613.68
Fe 271.441	6334.05b	ppb	11.7638	0.2	4938.68
K 766.491	6363.09b	ppb	32.3597	0.5	180478
Mg 279.078	25369.3b	ppb	30.9039	0.1	41292.5
Mn 257.610	701.373b	ppb	1.1400	0.2	86761.9
Mo 202.032	0.8051b	ppb	0.2303	28.6	7.2613
Na 330.237	9179.64b	ppb	100.938	1.1	332.389
Ni 231.604	17.6272b	ppb	1.8309	10.4	31.3383
Pb 220.353	33.1465b	ppb	1.3676	4.1	30.0378
Sb 206.834	2.1343b	ppb	1.3096	61.4	3.5221
Se 196.026	0.1810b	ppb	6.0204	3327.0	2.2696
Sn 189.925	36.5787b	ppb	1.1611	3.2	14.4542
Sr 216.596	4129.47b	ppb	4.3427	0.1	27964.6

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ti 334.941	3133.96b	ppb	41.8900	1.3	598548
Tl 190.794	-3.1562b	ppb	1.7607	55.8	-4.6685
V 292.401	35.1846b	ppb	0.8984	2.6	487.517
Zn 206.200	307.888b	ppb	3.0272	1.0	185.110

640-48980-a-16-a (Samp) **8/30/2014, 1:04:41 AM** **Rack 3, Tube 22**

Weight: 1 **Volume: 1** **Dilution: 1**

Label	Replicates Concentration		
Ag 328.068	0.0229u	0.0822u	-0.4016u
Al 308.215	55620.0	55647.2	55613.6
As 188.980	6.6177	5.3577	-2.1037u
B 249.678	34.1011	33.6388	33.4329
Ba 389.178	502.924	501.207	501.273
Be 313.042	0.4957	0.5079	0.4922
Ca 370.602	2060179x	2068110x	2056990x
Cd 226.502	-2.1178	-1.5662	-1.9548
Co 228.615	3.5775	2.8638	1.8898
Cr 267.716	48.9806	48.6764	48.3577
Cu 324.754	82.7076	82.9100	83.1904
Fe 271.441	125149	124960	124764
K 766.491	14799.6	14828.2	14867.8
Mg 279.078	39079.2	39072.1	39001.0
Mn 257.610	2411.51	2410.01	2405.20
Mo 202.032	2.6160	3.6224	5.0937
Na 330.237	18373.8	18495.0	18556.4
Ni 231.604	30.7223	30.8649	30.0729
Pb 220.353	36.6823	31.5855	32.2966
Sb 206.834	0.7584	-1.8075	-4.5507u
Se 196.026	-6.0804u	-4.6600u	-8.9095u
Sn 189.925	14.7399	17.2148	21.9725
Sr 216.596	1036.43	1034.73	1035.00
Ti 334.941	3388.57	3360.50	3354.88
Tl 190.794	-4.8194u	-1.2567u	-1.2050u
V 292.401	62.0277	62.7431	62.1557
Zn 206.200	396.640	403.026	398.993

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.0988b	ppb	0.2639	267.0	-18.4038
Al 308.215	55626.9b	ppb	17.8376	0.0	270269
As 188.980	3.2905b	ppb	4.7138	143.3	-1.0419
B 249.678	33.7243b	ppb	0.3422	1.0	227.495
Ba 389.178	501.802b	ppb	0.9730	0.2	7542.20
Be 313.042	0.4986b	ppb	0.0082	1.7	616.731
Ca 370.602	2061760xb	ppb	5726	0.3	3610628
Cd 226.502	-1.8796b	ppb	0.2834	15.1	386.207
Co 228.615	2.7770b	ppb	0.8472	30.5	63.8096
Cr 267.716	48.6715b	ppb	0.3115	0.6	1485.27
Cu 324.754	82.9360b	ppb	0.2424	0.3	3702.10
Fe 271.441	124958b	ppb	192.752	0.2	97496.1
K 766.491	14831.9b	ppb	34.2493	0.2	420449
Mg 279.078	39050.8b	ppb	43.2800	0.1	63542.0
Mn 257.610	2408.91b	ppb	3.2946	0.1	297847
Mo 202.032	3.7774b	ppb	1.2461	33.0	15.8250

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Na 330.237	18475.1b	ppb	92.9280	0.5	637.163
Ni 231.604	30.5534b	ppb	0.4222	1.4	61.1754
Pb 220.353	33.5215b	ppb	2.7603	8.2	34.9150
Sb 206.834	-1.8666b	ppb	2.6550	142.2	2.5893
Se 196.026	-6.5500b	ppb	2.1633	33.0	1.3599
Sn 189.925	17.9757b	ppb	3.6758	20.4	6.3120
Sr 216.596	1035.39b	ppb	0.9135	0.1	7421.65
Ti 334.941	3367.98b	ppb	18.0470	0.5	643265
Tl 190.794	-2.4270b	ppb	2.0720	85.4	-12.5849
V 292.401	62.3088b	ppb	0.3815	0.6	870.617
Zn 206.200	399.553b	ppb	3.2293	0.8	237.220

640-48980-a-17-a (Samp) **8/30/2014, 1:08:58 AM** **Rack 3, Tube 23**

Weight: 1 **Volume: 1** **Dilution: 1**

Label	Replicates	Concentration	
Ag 328.068	0.6579	0.3045u	0.5267
Al 308.215	101484	100986	101381
As 188.980	13.1187	2.1051	10.5032
B 249.678	69.6962	69.1014	69.6660
Ba 389.178	89.3527	87.4420	87.6380
Be 313.042	0.7813	0.7697	0.7700
Ca 370.602	574734	569040	574066
Cd 226.502	1.3174	1.4128	1.6433
Co 228.615	255.432	254.391	254.446
Cr 267.716	52.0802	51.2923	51.2891
Cu 324.754	133.676	132.291	131.978
Fe 271.441	14265.3	14139.6	14198.0
K 766.491	4301.52	4252.14	4275.74
Mg 279.078	26360.7	26249.5	26348.6
Mn 257.610	676.331	670.415	673.402
Mo 202.032	4.1579	4.8609	3.4679
Na 330.237	7961.44	8079.18	8005.31
Ni 231.604	41.9698	42.1317	43.6050
Pb 220.353	50.5042	53.9570	49.8513
Sb 206.834	-0.8581u	2.5627	1.2103
Se 196.026	-0.9484u	-12.5853u	2.8613
Sn 189.925	27.7524	30.3269	29.9758
Sr 216.596	770.702	767.326	771.613
Ti 334.941	3732.98	3709.65	3711.33
Tl 190.794	-6.7887u	1.9187	-2.4721u
V 292.401	64.4457	63.8065	64.3749
Zn 206.200	525.921	514.201	520.261

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	0.4964	ppb	0.1786	36.0	29.7793
Al 308.215	101284	ppb	262.936	0.3	491577
As 188.980	8.5757	ppb	5.7543	67.1	1.4978
B 249.678	69.4879	ppb	0.3350	0.5	699.260
Ba 389.178	88.1442	ppb	1.0511	1.2	1305.94
Be 313.042	0.7737	ppb	0.0066	0.9	622.505
Ca 370.602	572613	ppb	3113	0.5	1003705
Cd 226.502	1.4578	ppb	0.1676	11.5	86.6513
Co 228.615	254.756	ppb	0.5859	0.2	1488.55

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Cr 267.716	51.5539	ppb	0.4558	0.9	1537.28
Cu 324.754	132.648	ppb	0.9035	0.7	5673.61
Fe 271.441	14201.0	ppb	62.9274	0.4	11092.1
K 766.491	4276.47	ppb	24.6984	0.6	121352
Mg 279.078	26319.6	ppb	60.9897	0.2	42827.4
Mn 257.610	673.383	ppb	2.9580	0.4	83314.7
Mo 202.032	4.1623	ppb	0.6965	16.7	20.3807
Na 330.237	8015.31	ppb	59.5014	0.7	287.679
Ni 231.604	42.5688	ppb	0.9010	2.1	77.3673
Pb 220.353	51.4375	ppb	2.2063	4.3	46.0421
Sb 206.834	0.9716	ppb	1.7229	177.3	2.8855
Se 196.026	-3.5575	ppb	8.0471	226.2	1.3487
Sn 189.925	29.3517	ppb	1.3961	4.8	11.2903
Sr 216.596	769.880	ppb	2.2588	0.3	5271.26
Ti 334.941	3717.99	ppb	13.0125	0.3	710085
Tl 190.794	-2.4474	ppb	4.3537	177.9	-4.3800
V 292.401	64.2090	ppb	0.3504	0.5	878.000
Zn 206.200	520.128	ppb	5.8613	1.1	312.617

640-48980-a-18-a (Samp) **8/30/2014, 1:13:15 AM** **Rack 3, Tube 24**

Weight: 1 **Volume: 1** **Dilution: 1**

Label	Replicates Concentration		
Ag 328.068	3.0701	3.7484	3.2371
Al 308.215	104033	104185	103849
As 188.980	11.8279	9.4938	22.6937
B 249.678	56.7335	56.6146	56.4090
Ba 389.178	67.0433	67.1438	69.1140
Be 313.042	0.1574	0.1752	0.1693
Ca 370.602	2924377x	2907095x	2891297x
Cd 226.502	0.9184	0.8830	0.7438
Co 228.615	16.7296	16.9820	15.9109
Cr 267.716	41.9875	42.3780	42.0659
Cu 324.754	44.1381	43.1813	43.6340
Fe 271.441	9311.39	9347.28	9310.27
K 766.491	7032.85	7059.30	7027.92
Mg 279.078	41589.6	41613.8	41496.0
Mn 257.610	415.977	416.705	414.857
Mo 202.032	2.4044	2.5822	1.8828
Na 330.237	9217.67	9207.75	9265.05
Ni 231.604	22.1217	23.5497	23.3607
Pb 220.353	27.8730	34.2517	36.9332
Sb 206.834	2.8159	3.1652	7.6080
Se 196.026	0.0341	-17.7590u	-16.1478u
Sn 189.925	66.4714	64.5308	71.2169
Sr 216.596	2086.12	2088.89	2079.30
Ti 334.941	1525.73	1526.58	1527.14
Tl 190.794	-3.2724u	-8.7463u	-8.9247u
V 292.401	69.0076	67.8551	66.5946
Zn 206.200	3910.64	3920.71	3902.90

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	3.3518b	ppb	0.3534	10.5	153.575
Al 308.215	104022b	ppb	167.885	0.2	504854

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
As 188.980	14.6718b	ppb	7.0445	48.0	3.7124
B 249.678	56.5857b	ppb	0.1641	0.3	586.392
Ba 389.178	67.7670b	ppb	1.1676	1.7	1013.71
Be 313.042	0.1673b	ppb	0.0091	5.4	448.585
Ca 370.602	2907590xb	ppb	16546	0.6	5092176
Cd 226.502	0.8484b	ppb	0.0923	10.9	55.8439
Co 228.615	16.5409b	ppb	0.5599	3.4	118.461
Cr 267.716	42.1438b	ppb	0.2066	0.5	1256.51
Cu 324.754	43.6511b	ppb	0.4786	1.1	2096.09
Fe 271.441	9322.98b	ppb	21.0517	0.2	7271.70
K 766.491	7040.02b	ppb	16.8771	0.2	199660
Mg 279.078	41566.5b	ppb	62.2154	0.1	67650.9
Mn 257.610	415.846b	ppb	0.9314	0.2	51592.0
Mo 202.032	2.2898b	ppb	0.3635	15.9	13.0661
Na 330.237	9230.16b	ppb	30.6204	0.3	308.425
Ni 231.604	23.0107b	ppb	0.7756	3.4	41.4139
Pb 220.353	33.0193b	ppb	4.6541	14.1	30.0225
Sb 206.834	4.5297b	ppb	2.6716	59.0	5.8531
Se 196.026	-11.2909b	ppb	9.8408	87.2	-0.6883
Sn 189.925	67.4064b	ppb	3.4397	5.1	27.9495
Sr 216.596	2084.77b	ppb	4.9318	0.2	14526.3
Ti 334.941	1526.48b	ppb	0.7094	0.0	291584
Tl 190.794	-6.9811b	ppb	3.2131	46.0	-7.2587
V 292.401	67.8191b	ppb	1.2069	1.8	908.762
Zn 206.200	3911.42b	ppb	8.9327	0.2	2354.38

Cont Calib Verif (CCV) **8/30/2014, 1:17:32 AM** **Rack 3, Tube 25**

Weight: 1 **Volume: 1** **Dilution: 1**

Label	Replicates Concentration		
Ag 328.068	518.167	512.714	513.885
Al 308.215	4905.16	4885.41	4906.93
As 188.980	492.435	481.128	493.703
B 249.678	497.586	497.790	502.844
Ba 389.178	5034.08	4984.10	5009.93
Be 313.042	521.117	517.358	519.426
Ca 370.602	5188	5151	5198
Cd 226.502	494.922	492.526	494.560
Co 228.615	509.733	504.368	507.218
Cr 267.716	5045.01	5007.32	5037.45
Cu 324.754	5123.82	5033.16	5029.88
Fe 271.441	5120.51	5096.25	5102.93
K 766.491	10448.3	10363.2	10378.6
Mg 279.078	4962.76	4947.68	4971.14
Mn 257.610	5139.67	5105.54	5121.11
Mo 202.032	503.827	506.343	506.373
Na 330.237	7449.06	7656.42	7786.41
Ni 231.604	2497.80	2485.51	2500.69
Pb 220.353	485.022	477.973	492.019
Sb 206.834	986.754	967.168	987.687
Se 196.026	4901.26	4909.91	4934.57
Sn 189.925	4957.71	4970.61	5026.88
Sr 216.596	2480.97	2464.79	2477.18
Ti 334.941	502.439	499.817	500.053

Label	Replicates Concentration		
Tl 190.794	5059.66	5034.38	5037.72
V 292.401	5162.23	5125.06	5142.27
Zn 206.200	2452.46	2437.47	2454.23

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Ag 328.068	514.922	ppb	2.8704	0.6	28321.9	102.98441
Al 308.215	4899.17	ppb	11.9465	0.2	24463.0	97.98331
As 188.980	489.088	ppb	6.9234	1.4	172.909	97.81767
B 249.678	499.407	ppb	2.9787	0.6	4689.95	99.88137
Ba 389.178	5009.37	ppb	24.9949	0.5	74859.4	100.18739
Be 313.042	519.300	ppb	1.8823	0.4	509022	103.86007
Ca 370.602	5179	ppb	24.94	0.5	9295	103.57519
Cd 226.502	494.003	ppb	1.2919	0.3	11537.6	98.80056
Co 228.615	507.106	ppb	2.6845	0.5	2878.48	101.42130
Cr 267.716	5029.92	ppb	19.9413	0.4	147649	100.59850
Cu 324.754	5062.29	ppb	53.3139	1.1	203737	101.24571
Fe 271.441	5106.56	ppb	12.5330	0.2	4036.01	102.13129
K 766.491	10396.7	ppb	45.3548	0.4	294775	103.96735
Mg 279.078	4960.53	ppb	11.8901	0.2	8023.43	99.21055
Mn 257.610	5122.11	ppb	17.0860	0.3	632469	102.44212
Mo 202.032	505.514	ppb	1.4611	0.3	2011.65	101.10286
Na 330.237	7630.63	ppb	170.150	2.2	265.891	101.74173
Ni 231.604	2494.67	ppb	8.0588	0.3	4597.52	99.78679
Pb 220.353	485.005	ppb	7.0231	1.4	437.280	97.00094
Sb 206.834	980.536	ppb	11.5869	1.2	886.685	98.05361
Se 196.026	4915.25	ppb	17.2869	0.4	1260.99	98.30490
Sn 189.925	4985.07	ppb	36.7841	0.7	2180.73	99.70132
Sr 216.596	2474.32	ppb	8.4632	0.3	16493.4	98.97262
Ti 334.941	500.769	ppb	1.4503	0.3	95654.3	100.15388
Tl 190.794	5043.92	ppb	13.7319	0.3	3080.30	100.87836
V 292.401	5143.19	ppb	18.6038	0.4	68223.4	102.86375
Zn 206.200	2448.05	ppb	9.2107	0.4	1465.08	97.92216

Cont Calib Blank (CCB) **8/30/2014, 1:21:50 AM** **Rack 3, Tube 26**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Replicates Concentration		
Ag 328.068	0.1519	0.0625	-0.1965u
Al 308.215	5.9625	7.3226	5.1152
As 188.980	-4.2999u	-3.4055u	-6.9151u
B 249.678	5.4335	3.3007	2.4583
Ba 389.178	0.7652	-0.0472u	0.6207
Be 313.042	0.0460	0.0407	0.0435
Ca 370.602	32.59	31.47	33.79
Cd 226.502	-0.0692u	-0.0692u	0.0974
Co 228.615	-0.1509u	-0.3975u	-0.1559u
Cr 267.716	0.2055	0.1297	0.5502
Cu 324.754	0.2598	0.1634	0.4575
Fe 271.441	-0.4378u	4.5262	6.4219
K 766.491	1.4061	1.0255	1.1235
Mg 279.078	-5.1412u	-2.6136u	6.2906
Mn 257.610	0.4090	0.4238	0.6542
Mo 202.032	-0.0559u	0.6426	0.3333
Na 330.237	-35.5720u	-85.9159u	14.6203

Label	Replicates Concentration		
Ni 231.604	0.1342	0.3273	1.2887
Pb 220.353	-0.0718u	1.2156	-1.8921u
Sb 206.834	1.7858	-0.9388u	-1.2876u
Se 196.026	-0.5743u	-1.1189u	2.2811
Sn 189.925	-1.3326u	-2.8678u	0.2820
Sr 216.596	0.1283	-0.1518u	-0.2798u
Ti 334.941	0.4669	0.2941	0.1709
Tl 190.794	1.8059	2.5434	-2.9874u
V 292.401	0.4460	0.7520	0.4831
Zn 206.200	3.2137	-0.4404u	1.8423

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Ag 328.068	0.0060	ppb	0.1810	3027.5	19.8021	0.00598
Al 308.215	6.1334	ppb	1.1136	18.2	339.632	6.13340
As 188.980	-4.8735	ppb	1.8238	37.4	-3.8407	-4.87349
B 249.678	3.7308	ppb	1.5336	41.1	110.046	3.73083
Ba 389.178	0.4462	ppb	0.4334	97.1	-34.9286	0.44625
Be 313.042	0.0434	ppb	0.0027	6.1	-203.699	0.04340
Ca 370.602	32.62	ppb	1.164	3.6	78.24	32.61607
Cd 226.502	-0.0137	ppb	0.0962	702.9	3.7235	-0.01368
Co 228.615	-0.2348	ppb	0.1410	60.1	7.2692	-0.23478
Cr 267.716	0.2952	ppb	0.2241	75.9	22.4840	0.29516
Cu 324.754	0.2936	ppb	0.1500	51.1	352.078	0.29357
Fe 271.441	3.5034	ppb	3.5423	101.1	-1.3700	3.50345
K 766.491	1.1850	ppb	0.1976	16.7	208.292	1.18504
Mg 279.078	-0.4880	ppb	6.0050	1230.4	11.4093	-0.48805
Mn 257.610	0.4957	ppb	0.1375	27.7	93.3837	0.49566
Mo 202.032	0.3067	ppb	0.3500	114.2	5.4745	0.30666
Na 330.237	-35.6225	ppb	50.2681	141.1	16.9982	-35.62254
Ni 231.604	0.5834	ppb	0.6184	106.0	-0.4082	0.58339
Pb 220.353	-0.2494	ppb	1.5615	626.0	1.1470	-0.24945
Sb 206.834	-0.1469	ppb	1.6828	1145.7	1.3129	-0.14687
Se 196.026	0.1960	ppb	1.8262	931.9	2.1522	0.19597
Sn 189.925	-1.3062	ppb	1.5750	120.6	-2.1320	-1.30615
Sr 216.596	-0.1011	ppb	0.2087	206.5	0.7135	-0.10108
Ti 334.941	0.3107	ppb	0.1487	47.9	74.1821	0.31067
Tl 190.794	0.4540	ppb	3.0030	661.5	-2.2354	0.45396
V 292.401	0.5604	ppb	0.1670	29.8	2.4156	0.56036
Zn 206.200	1.5385	ppb	1.8459	120.0	0.8643	1.53853

CRI (Samp) **8/30/2014, 1:26:07 AM** **Rack 3, Tube 27**

Weight: 1 **Volume: 1** **Dilution: 1**

Label	Replicates Concentration		
Ag 328.068	10.5917	10.5733	10.5955
Al 308.215	205.663	201.171	205.452
As 188.980	22.0144	20.1504	19.3133
B 249.678	99.0192	98.4011	99.6000
Ba 389.178	10.4894	9.6496	11.0734
Be 313.042	4.2791	4.2370	4.2771
Ca 370.602	534.5	528.3	530.8
Cd 226.502	5.2688	5.0283	5.2192
Co 228.615	9.6867	9.8395	10.0338
Cr 267.716	10.5072	10.3529	10.7870

Label	Replicates Concentration		
Cu 324.754	21.6380	21.4452	21.4078
Fe 271.441	52.2120	47.4024	54.7000
K 766.491	1043.59	1032.96	1036.14
Mg 279.078	508.324	504.111	501.683
Mn 257.610	10.9309	10.9213	11.0050
Mo 202.032	10.0778	9.6437	9.1374
Na 330.237	1005.24	823.159	980.288
Ni 231.604	41.2624	39.6909	40.0262
Pb 220.353	11.6415	9.0051	9.8606
Sb 206.834	21.6696	17.5973	16.6838
Se 196.026	20.3882	13.3437	26.4315
Sn 189.925	50.3211	52.1868	52.9182
Sr 216.596	10.3765	9.9793	9.7527
Ti 334.941	10.5186	10.4591	10.5371
Tl 190.794	23.3657	25.5349	30.2074
V 292.401	10.1338	10.6531	10.9237
Zn 206.200	20.5585	19.6885	20.0189

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	10.5868	ppb	0.0119	0.1	601.798
Al 308.215	204.095	ppb	2.5348	1.2	1300.90
As 188.980	20.4927	ppb	1.3827	6.7	5.2388
B 249.678	99.0068	ppb	0.5995	0.6	990.159
Ba 389.178	10.4042	ppb	0.7157	6.9	114.465
Be 313.042	4.2644	ppb	0.0238	0.6	3934.43
Ca 370.602	531.2	ppb	3.127	0.6	954.0
Cd 226.502	5.1721	ppb	0.1270	2.5	124.775
Co 228.615	9.8533	ppb	0.1740	1.8	64.2869
Cr 267.716	10.5490	ppb	0.2200	2.1	323.458
Cu 324.754	21.4970	ppb	0.1235	0.6	1204.27
Fe 271.441	51.4381	ppb	3.7099	7.2	36.7003
K 766.491	1037.56	ppb	5.4559	0.5	29574.9
Mg 279.078	504.706	ppb	3.3603	0.7	833.659
Mn 257.610	10.9524	ppb	0.0458	0.4	1386.71
Mo 202.032	9.6196	ppb	0.4707	4.9	42.5111
Na 330.237	936.229	ppb	98.7128	10.5	50.9403
Ni 231.604	40.3265	ppb	0.8277	2.1	72.8544
Pb 220.353	10.1690	ppb	1.3450	13.2	10.4530
Sb 206.834	18.6502	ppb	2.6544	14.2	17.6832
Se 196.026	20.0544	ppb	6.5503	32.7	7.2372
Sn 189.925	51.8087	ppb	1.3392	2.6	21.1200
Sr 216.596	10.0362	ppb	0.3157	3.1	67.9005
Ti 334.941	10.5049	ppb	0.0407	0.4	2021.55
Tl 190.794	26.3694	ppb	3.4964	13.3	13.5833
V 292.401	10.5702	ppb	0.4014	3.8	134.591
Zn 206.200	20.0886	ppb	0.4392	2.2	12.0133

mb 680-346548/1-a (Samp) **8/30/2014, 1:30:25 AM** **Rack 3, Tube 28**

Weight: 1 **Volume: 1** **Dilution: 1**

Label	Replicates Concentration		
Ag 328.068	0.3303	0.0922	-0.0839u
Al 308.215	8.4719	7.6184	7.6167
As 188.980	-5.2169u	-1.4472u	-0.8601u

Label	Replicates Concentration		
B 249.678	-1.1893u	-1.4830u	-2.8616u
Ba 389.178	-0.9138u	-0.4643u	-0.8367u
Be 313.042	0.0127	0.0060	0.0129
Ca 370.602	17.45	12.68	13.56
Cd 226.502	0.0141	-0.0831u	0.0189
Co 228.615	0.1026	-0.3285u	-0.1490u
Cr 267.716	0.4247	0.2829	0.4077
Cu 324.754	0.2245	0.2161	0.0337
Fe 271.441	-1.4859u	8.9606	14.1461
K 766.491	8.3035	7.7492	7.8808
Mg 279.078	4.7728	3.9812	-1.0140u
Mn 257.610	0.1096	0.1258	0.0729
Mo 202.032	-0.1510u	-0.1523u	-0.2066u
Na 330.237	-109.428u	31.1639	-59.7120u
Ni 231.604	-0.5637u	0.3416	0.8828
Pb 220.353	-0.3541u	-3.3472u	-1.5656u
Sb 206.834	-1.5789u	-0.5361u	1.0778
Se 196.026	-3.1500u	-3.8670u	2.1927
Sn 189.925	10.2200	11.9350	8.4863
Sr 216.596	-0.5149u	-0.0301u	-0.5120u
Ti 334.941	0.2470	0.3946	0.4737
Tl 190.794	-3.3437u	0.9975	-1.5259u
V 292.401	-0.0235u	0.0299	0.1579
Zn 206.200	1.1915	3.2087	1.7908

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	0.1129	ppb	0.2079	184.2	25.6840
Al 308.215	7.9023	ppb	0.4933	6.2	348.156
As 188.980	-2.5080	ppb	2.3642	94.3	-2.9939
B 249.678	-1.8446	ppb	0.8929	48.4	58.5333
Ba 389.178	-0.7383	ppb	0.2404	32.6	-52.6354
Be 313.042	0.0105	ppb	0.0039	37.4	-235.923
Ca 370.602	14.56	ppb	2.538	17.4	46.57
Cd 226.502	-0.0167	ppb	0.0576	344.7	3.6800
Co 228.615	-0.1250	ppb	0.2166	173.3	7.8936
Cr 267.716	0.3718	ppb	0.0774	20.8	24.7384
Cu 324.754	0.1581	ppb	0.1078	68.2	346.631
Fe 271.441	7.2069	ppb	7.9622	110.5	1.5280
K 766.491	7.9778	ppb	0.2896	3.6	400.772
Mg 279.078	2.5800	ppb	3.1376	121.6	16.4079
Mn 257.610	0.1027	ppb	0.0271	26.4	44.8860
Mo 202.032	-0.1699	ppb	0.0317	18.7	3.5789
Na 330.237	-45.9920	ppb	71.2929	155.0	16.6254
Ni 231.604	0.2202	ppb	0.7309	331.9	-1.0776
Pb 220.353	-1.7556	ppb	1.5056	85.8	-0.1986
Sb 206.834	-0.3457	ppb	1.3386	387.2	1.1473
Se 196.026	-1.6081	ppb	3.3110	205.9	1.6904
Sn 189.925	10.2138	ppb	1.7243	16.9	2.9110
Sr 216.596	-0.3524	ppb	0.2791	79.2	-0.9526
Ti 334.941	0.3718	ppb	0.1151	30.9	85.8575
Tl 190.794	-1.2907	ppb	2.1801	168.9	-3.2999
V 292.401	0.0548	ppb	0.0932	170.3	-4.2693
Zn 206.200	2.0637	ppb	1.0359	50.2	1.1801

lcs 680-346548/2-a (Samp) **8/30/2014, 1:34:42 AM** **Rack 3, Tube 29**

Weight: 1 **Volume: 1** **Dilution: 1**

Label	Replicates Concentration		
Ag 328.068	50.9270	51.1847	50.7378
Al 308.215	4807.24	4802.99	4810.01
As 188.980	101.113	96.3485	95.8225
B 249.678	187.112	185.825	187.648
Ba 389.178	98.2425	99.1735	98.2937
Be 313.042	51.4666	51.2650	51.3644
Ca 370.602	5028	4996	5016
Cd 226.502	49.5598	49.1674	49.3647
Co 228.615	51.2286	49.9266	50.1810
Cr 267.716	101.384	100.993	101.067
Cu 324.754	103.786	102.954	102.355
Fe 271.441	5044.66	5018.09	5045.65
K 766.491	5090.53	5048.67	5056.95
Mg 279.078	4829.75	4830.73	4852.96
Mn 257.610	527.016	524.905	526.364
Mo 202.032	100.470	100.628	100.104
Na 330.237	4826.78	4871.31	4900.63
Ni 231.604	96.1054	99.7555	96.9905
Pb 220.353	46.9700	49.0010	50.5811
Sb 206.834	43.6021	50.6447	52.5313
Se 196.026	100.642	89.8550	94.5188
Sn 189.925	207.302	208.874	210.198
Sr 216.596	98.1466	98.1132	98.4197
Ti 334.941	101.069	100.958	101.407
Tl 190.794	41.1184	37.2178	40.3115
V 292.401	102.695	101.587	101.882
Zn 206.200	98.4269	100.023	100.053

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	50.9499	ppb	0.2243	0.4	2821.95
Al 308.215	4806.75	ppb	3.5323	0.1	23640.8
As 188.980	97.7615	ppb	2.9148	3.0	32.8923
B 249.678	186.862	ppb	0.9369	0.5	1795.49
Ba 389.178	98.5699	ppb	0.5233	0.5	1438.76
Be 313.042	51.3654	ppb	0.1008	0.2	50111.5
Ca 370.602	5014	ppb	15.99	0.3	8800
Cd 226.502	49.3639	ppb	0.1962	0.4	1172.03
Co 228.615	50.4454	ppb	0.6901	1.4	293.749
Cr 267.716	101.148	ppb	0.2077	0.2	2985.00
Cu 324.754	103.032	ppb	0.7187	0.7	4483.16
Fe 271.441	5036.13	ppb	15.6375	0.3	3928.94
K 766.491	5065.39	ppb	22.1667	0.4	143707
Mg 279.078	4837.81	ppb	13.1239	0.3	7880.29
Mn 257.610	526.095	ppb	1.0807	0.2	65016.7
Mo 202.032	100.401	ppb	0.2690	0.3	403.418
Na 330.237	4866.24	ppb	37.1839	0.8	187.278
Ni 231.604	97.6172	ppb	1.9040	2.0	178.678
Pb 220.353	48.8507	ppb	1.8102	3.7	45.1755
Sb 206.834	48.9261	ppb	4.7062	9.6	43.8877
Se 196.026	95.0052	ppb	5.4098	5.7	26.5139
Sn 189.925	208.791	ppb	1.4499	0.7	89.8423
Sr 216.596	98.2265	ppb	0.1682	0.2	659.743

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ti 334.941	101.144	ppb	0.2336	0.2	19336.6
Tl 190.794	39.5492	ppb	2.0590	5.2	21.3742
V 292.401	102.055	ppb	0.5742	0.6	1343.07
Zn 206.200	99.5011	ppb	0.9303	0.9	59.5403

680-104727-a-2-a (Samp) **8/30/2014, 1:39:00 AM** **Rack 3, Tube 30**

Weight: 1 **Volume: 1** **Dilution: 1**

Label	Replicates Concentration		
Ag 328.068	1.6811	1.5789	1.7067
Al 308.215	100879	100550	100888
As 188.980	241.915	246.942	240.379
B 249.678	47.4239u	47.1172u	46.2832u
Ba 389.178	1924.26	1922.37	1922.92
Be 313.042	13.4735	13.4206	13.4651
Ca 370.602	101411	101350	101344
Cd 226.502	9.3412	8.9195	9.4738
Co 228.615	123.688	124.349	125.247
Cr 267.716	424.719	424.214	424.290
Cu 324.754	678.254	678.519	681.749
Fe 271.441	465148	464191	464395
K 766.491	10250.1	10193.3	10256.3
Mg 279.078	18789.3	18764.6	18791.3
Mn 257.610	26417.7	26375.7	26316.9
Mo 202.032	33.4236	31.7314	31.6000
Na 330.237	1137.53u	1035.08u	1288.18u
Ni 231.604	138.521	139.953	140.559
Pb 220.353	2684.67	2671.46	2687.70
Sb 206.834	5.5549	8.7285	3.5738
Se 196.026	-4.6024	-13.7693	-4.5529
Sn 189.925	109.336	101.576	109.548
Sr 216.596	249.211	247.322	249.952
Ti 334.941	1376.81	1372.95	1378.74
Tl 190.794	5.4650u	11.6879u	7.4631u
V 292.401	422.761	421.549	423.685
Zn 206.200	7851.08	7832.78	7843.37

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	1.6555	ppb	0.0676	4.1	142.122
Al 308.215	100772	ppb	192.629	0.2	489673
As 188.980	243.079	ppb	3.4330	1.4	83.8488
B 249.678	46.9415	ppb	0.5903	1.3	-85.1899
Ba 389.178	1923.18	ppb	0.9763	0.1	28896.9
Be 313.042	13.4531	ppb	0.0284	0.2	12963.5
Ca 370.602	101369	ppb	37.01	0.0	174895
Cd 226.502	9.2449	ppb	0.2894	3.1	1805.34
Co 228.615	124.428	ppb	0.7828	0.6	742.121
Cr 267.716	424.408	ppb	0.2726	0.1	12661.3
Cu 324.754	679.507	ppb	1.9456	0.3	27753.2
Fe 271.441	464578	ppb	504.222	0.1	362496
K 766.491	10233.2	ppb	34.7212	0.3	290142
Mg 279.078	18781.7	ppb	14.8598	0.1	30239.9
Mn 257.610	26370.1	ppb	50.6146	0.2	3256716
Mo 202.032	32.2517	ppb	1.0170	3.2	119.556

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Na 330.237	1153.60	ppb	127.311	11.0	-83.4446
Ni 231.604	139.678	ppb	1.0466	0.7	279.447
Pb 220.353	2681.27	ppb	8.6336	0.3	2417.40
Sb 206.834	5.9524	ppb	2.6002	43.7	18.4570
Se 196.026	-7.6415	ppb	5.3068	69.4	5.8413
Sn 189.925	106.820	ppb	4.5425	4.3	45.2016
Sr 216.596	248.828	ppb	1.3559	0.5	1985.54
Ti 334.941	1376.17	ppb	2.9495	0.2	262886
Tl 190.794	8.2053	ppb	3.1772	38.7	-24.2906
V 292.401	422.665	ppb	1.0715	0.3	5697.48
Zn 206.200	7842.41	ppb	9.1910	0.1	4708.69

680-104727-a-2-aSD (Samp) **8/30/2014, 1:43:17 AM** **Rack 3, Tube 31**

Weight: 1 **Volume: 1** **Dilution: 1**

Label	Replicates Concentration		
Ag 328.068	0.1780	0.4130	0.2358
Al 308.215	19395.6	19233.9	19083.1
As 188.980	46.4075	43.8389	42.6626
B 249.678	6.6582u	6.5918u	6.0515u
Ba 389.178	394.796	391.366	389.841
Be 313.042	2.7448	2.7071	2.6835
Ca 370.602	20475	20271	20033
Cd 226.502	1.1789	1.5164	1.4677
Co 228.615	26.2551	24.1592	25.2787
Cr 267.716	87.8212	86.8950	86.1461
Cu 324.754	135.270	134.286	132.838
Fe 271.441	95658.6	94966.1	93886.8
K 766.491	1845.59	1828.60	1818.00
Mg 279.078	3975.15	3946.20	3915.87
Mn 257.610	5791.47	5761.03	5703.79
Mo 202.032	6.8053	5.8343	5.6984
Na 330.237	244.756u	276.674u	269.204u
Ni 231.604	29.0412	29.4308	29.2374
Pb 220.353	563.419	564.793	553.441
Sb 206.834	0.8215	-0.9446	0.0346
Se 196.026	-0.2429	3.0680	-9.3859u
Sn 189.925	22.3878	17.0470	18.3188
Sr 216.596	51.7152	50.6298	50.0139
Ti 334.941	284.080	281.265	278.894
Tl 190.794	3.5871u	2.7877u	-2.4319u
V 292.401	88.0161	86.7863	86.1070
Zn 206.200	1631.28	1620.71	1630.65

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	0.2756	ppb	0.1224	44.4	42.3011
Al 308.215	19237.5	ppb	156.288	0.8	93737.9
As 188.980	44.3030	ppb	1.9151	4.3	13.5370
B 249.678	6.4338	ppb	0.3328	5.2	13.5699
Ba 389.178	392.001	ppb	2.5379	0.6	5857.10
Be 313.042	2.7118	ppb	0.0309	1.1	2416.55
Ca 370.602	20260	ppb	221.5	1.1	34965
Cd 226.502	1.3877	ppb	0.1824	13.1	360.380
Co 228.615	25.2310	ppb	1.0488	4.2	157.395

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Cr 267.716	86.9541	ppb	0.8391	1.0	2605.92
Cu 324.754	134.131	ppb	1.2233	0.9	5752.17
Fe 271.441	94837.2	ppb	892.932	0.9	73995.4
K 766.491	1830.73	ppb	13.9195	0.8	52050.1
Mg 279.078	3945.74	ppb	29.6459	0.8	6360.39
Mn 257.610	5752.10	ppb	44.5149	0.8	710399
Mo 202.032	6.1127	ppb	0.6037	9.9	25.9158
Na 330.237	263.545	ppb	16.6945	6.3	-1.7433
Ni 231.604	29.2365	ppb	0.1948	0.7	57.2011
Pb 220.353	560.551	ppb	6.1958	1.1	506.429
Sb 206.834	-0.0295	ppb	0.8848	2997.0	3.8396
Se 196.026	-2.1869	ppb	6.4505	295.0	2.7523
Sn 189.925	19.2512	ppb	2.7898	14.5	6.8672
Sr 216.596	50.7863	ppb	0.8614	1.7	406.488
Ti 334.941	281.413	ppb	2.5960	0.9	53769.7
Tl 190.794	1.3143	ppb	3.2688	248.7	-7.0777
V 292.401	86.9698	ppb	0.9677	1.1	1168.28
Zn 206.200	1627.55	ppb	5.9280	0.4	977.192

680-104727-a-2-aPDS (Samp) **8/30/2014, 1:47:34 AM** **Rack 3, Tube 32**

Weight: 1 **Volume: 1** **Dilution: 1**

Label	Replicates Concentration		
Ag 328.068	50.8847	50.1545	41.9150
Al 308.215	105447	103786	84632.3
As 188.980	463.043	458.441	373.049
B 249.678	566.386	560.004	472.593
Ba 389.178	2177.98	2142.72	1749.96
Be 313.042	69.5717	68.4015	55.8152
Ca 370.602	105529	103806	85217
Cd 226.502	67.5433	65.1744	41.1306
Co 228.615	345.201	338.222	275.106
Cr 267.716	647.784	636.966	521.234
Cu 324.754	917.402	919.765	756.514
Fe 271.441	476545	468212	383881
K 766.491	13038.5	12854.0	10678.8
Mg 279.078	21310.0	20951.7	17068.6
Mn 257.610	27115.6	26749.7	21831.2
Mo 202.032	247.831	241.735	198.257
Na 330.237	3246.24u	3173.07u	3325.26u
Ni 231.604	349.747	343.492	278.621
Pb 220.353	2947.03	2897.29	2348.45
Sb 206.834	215.203	210.478	160.486
Se 196.026	213.396	221.961	166.535
Sn 189.925	324.921	321.094	254.911
Sr 216.596	468.154	460.333	368.219
Ti 334.941	1616.55	1593.45	1306.55
Tl 190.794	213.531	205.363	173.773
V 292.401	648.644	637.095	523.079
Zn 206.200	8220.53	8090.07	6602.49

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	47.6514	ppb	4.9812	10.5	2667.79
Al 308.215	97955.2	ppb	11567.9	11.8	476004

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
As 188.980	431.511	ppb	50.6815	11.7	151.330
B 249.678	532.994	ppb	52.4064	9.8	4433.65
Ba 389.178	2023.55	ppb	237.594	11.7	30391.2
Be 313.042	64.5961	ppb	7.6270	11.8	63097.0
Ca 370.602	98184	ppb	11263	11.5	169498
Cd 226.502	57.9494	ppb	14.6136	25.2	2866.39
Co 228.615	319.510	ppb	38.6129	12.1	1843.28
Cr 267.716	601.995	ppb	70.1496	11.7	17864.5
Cu 324.754	864.560	ppb	93.5786	10.8	35187.2
Fe 271.441	442880	ppb	51263.5	11.6	345579
K 766.491	12190.4	ppb	1312.32	10.8	345601
Mg 279.078	19776.7	ppb	2352.18	11.9	31874.5
Mn 257.610	25232.2	ppb	2951.03	11.7	3116186
Mo 202.032	229.274	ppb	27.0342	11.8	903.736
Na 330.237	3248.19	ppb	76.1093	2.3	-4.7622
Ni 231.604	323.953	ppb	39.3834	12.2	617.810
Pb 220.353	2730.92	ppb	332.165	12.2	2460.70
Sb 206.834	195.389	ppb	30.3194	15.5	182.364
Se 196.026	200.631	ppb	29.8364	14.9	58.9001
Sn 189.925	300.309	ppb	39.3623	13.1	129.905
Sr 216.596	432.235	ppb	55.5772	12.9	3191.71
Ti 334.941	1505.52	ppb	172.696	11.5	287588
Tl 190.794	197.556	ppb	20.9973	10.6	92.6573
V 292.401	602.939	ppb	69.4016	11.5	8071.24
Zn 206.200	7637.70	ppb	898.887	11.8	4585.70

680-104727-b-2-a ms (Samp) **8/30/2014, 1:51:52 AM** **Rack 3, Tube 33**

Weight: 1 **Volume: 1** **Dilution: 1**

Label	Replicates Concentration		
Ag 328.068	49.7974	50.7361	50.4443
Al 308.215	110538	109455	110646
As 188.980	317.083	316.164	310.860
B 249.678	205.402	206.055	207.197
Ba 389.178	1838.92	1843.85	1838.20
Be 313.042	62.8898	63.0989	62.8242
Ca 370.602	79898	79993	79480
Cd 226.502	51.6734	52.8764	52.7493
Co 228.615	175.094	176.957	178.378
Cr 267.716	483.748	485.581	483.159
Cu 324.754	687.839	689.457	686.954
Fe 271.441	515298	516332	513822
K 766.491	15743.2	15754.2	15709.5
Mg 279.078	19922.5	19977.5	19947.2
Mn 257.610	27364.8x	27483.9x	27382.3x
Mo 202.032	112.302	113.330	113.346
Na 330.237	6316.54	6259.40	6353.90
Ni 231.604	227.753	230.849	227.273
Pb 220.353	2662.07	2674.54	2670.29
Sb 206.834	21.6521	17.0137	19.9949
Se 196.026	96.7611	88.6990	85.7323
Sn 189.925	281.732	277.711	284.688
Sr 216.596	316.226	316.916	316.230
Ti 334.941	1469.14	1474.13	1470.37

Label	Replicates Concentration		
Tl 190.794	38.8325u	43.3156u	39.9886u
V 292.401	513.897	515.111	512.638
Zn 206.200	7601.93	7627.83	7632.41

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	50.3259b	ppb	0.4804	1.0	2816.60
Al 308.215	110213b	ppb	658.728	0.6	535535
As 188.980	314.702b	ppb	3.3591	1.1	109.350
B 249.678	206.218b	ppb	0.9087	0.4	1321.13
Ba 389.178	1840.32b	ppb	3.0771	0.2	27678.4
Be 313.042	62.9376b	ppb	0.1435	0.2	61473.0
Ca 370.602	79790b	ppb	273.0	0.3	136774
Cd 226.502	52.4330b	ppb	0.6609	1.3	2985.43
Co 228.615	176.810b	ppb	1.6469	0.9	1039.92
Cr 267.716	484.163b	ppb	1.2631	0.3	14430.7
Cu 324.754	688.083b	ppb	1.2692	0.2	28110.9
Fe 271.441	515150b	ppb	1261.31	0.2	401959
K 766.491	15735.7b	ppb	23.3267	0.1	446058
Mg 279.078	19949.1b	ppb	27.5388	0.1	32125.3
Mn 257.610	27410.4xb	ppb	64.3279	0.2	3385243
Mo 202.032	112.992b	ppb	0.5981	0.5	439.270
Na 330.237	6309.95b	ppb	47.5947	0.8	90.3179
Ni 231.604	228.625b	ppb	1.9408	0.8	445.943
Pb 220.353	2668.97b	ppb	6.3408	0.2	2408.29
Sb 206.834	19.5536b	ppb	2.3505	12.0	30.9402
Se 196.026	90.3975b	ppb	5.7072	6.3	31.3261
Sn 189.925	281.377b	ppb	3.5023	1.2	121.617
Sr 216.596	316.457b	ppb	0.3970	0.1	2464.12
Ti 334.941	1471.22b	ppb	2.6010	0.2	281044
Tl 190.794	40.7122b	ppb	2.3275	5.7	-7.9483
V 292.401	513.882b	ppb	1.2366	0.2	6912.25
Zn 206.200	7620.72b	ppb	16.4347	0.2	4573.83

680-104727-b-2-b msd (Samp) **8/30/2014, 1:56:09 AM** **Rack 3, Tube 34**

Weight: 1 **Volume: 1** **Dilution: 1**

Label	Replicates Concentration		
Ag 328.068	54.9178	53.0282	52.1821
Al 308.215	118536	115873	112785
As 188.980	342.508	341.307	326.463
B 249.678	210.164	206.918	201.794
Ba 389.178	1898.74	1856.41	1804.89
Be 313.042	66.6540	65.1815	63.5022
Ca 370.602	90204	88262	86016
Cd 226.502	58.7851	56.1426	52.6655
Co 228.615	175.522	169.557	164.443
Cr 267.716	712.756	696.103	678.648
Cu 324.754	726.747	708.299	684.376
Fe 271.441	481082	470809	458650
K 766.491	16756.4	16371.9	16046.8
Mg 279.078	21931.9	21417.7	20803.2
Mn 257.610	26298.9	25758.4	25107.1
Mo 202.032	117.961	116.298	113.035
Na 330.237	6264.27	6430.60	6135.57

Label	Replicates Concentration		
Ni 231.604	237.594	231.919	225.340
Pb 220.353	3294.66	3217.29	3125.06
Sb 206.834	25.0530	29.6732	23.3003
Se 196.026	80.9361	75.4522	81.2597
Sn 189.925	297.959	288.147	290.317
Sr 216.596	331.325	324.096	312.946
Ti 334.941	1511.94	1478.96	1439.74
Tl 190.794	45.9346	43.6327u	46.4666
V 292.401	563.290	552.098	537.275
Zn 206.200	8114.23	7955.69	7726.03

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	53.3760	ppb	1.4006	2.6	2983.72
Al 308.215	115731	ppb	2878.27	2.5	562247
As 188.980	336.759	ppb	8.9367	2.7	117.435
B 249.678	206.292	ppb	4.2201	2.0	1379.90
Ba 389.178	1853.35	ppb	47.0026	2.5	27857.8
Be 313.042	65.1125	ppb	1.5771	2.4	63608.9
Ca 370.602	88161	ppb	2096	2.4	151743
Cd 226.502	55.8644	ppb	3.0693	5.5	2910.64
Co 228.615	169.841	ppb	5.5449	3.3	999.256
Cr 267.716	695.835	ppb	17.0552	2.5	20627.9
Cu 324.754	706.474	ppb	21.2440	3.0	28838.9
Fe 271.441	470180	ppb	11229.1	2.4	366871
K 766.491	16391.7	ppb	355.178	2.2	464648
Mg 279.078	21384.3	ppb	565.075	2.6	34481.3
Mn 257.610	25721.5	ppb	596.767	2.3	3176651
Mo 202.032	115.765	ppb	2.5059	2.2	451.516
Na 330.237	6276.81	ppb	147.913	2.4	94.6374
Ni 231.604	231.618	ppb	6.1326	2.6	449.173
Pb 220.353	3212.34	ppb	84.9116	2.6	2892.09
Sb 206.834	26.0088	ppb	3.2922	12.7	37.0898
Se 196.026	79.2160	ppb	3.2636	4.1	28.0194
Sn 189.925	292.141	ppb	5.1538	1.8	126.329
Sr 216.596	322.789	ppb	9.2587	2.9	2478.33
Ti 334.941	1476.88	ppb	36.1420	2.4	282123
Tl 190.794	45.3446	ppb	1.5063	3.3	-2.1908
V 292.401	550.888	ppb	13.0495	2.4	7391.21
Zn 206.200	7931.99	ppb	195.184	2.5	4762.02

680-104727-a-9-a (Samp) **8/30/2014, 2:00:27 AM** **Rack 3, Tube 35**

Weight: 1 **Volume: 1** **Dilution: 1**

Label	Replicates Concentration		
Ag 328.068	-1.2455u	-1.2958u	-1.2171u
Al 308.215	88025.8	88017.4	86960.1
As 188.980	198.885	203.842	201.555
B 249.678	23.0640u	22.0427u	22.7766u
Ba 389.178	1128.68	1130.39	1115.76
Be 313.042	10.0316	10.0670	9.9040
Ca 370.602	45128	45132	44496
Cd 226.502	-7.1707	-7.9771	-7.7767
Co 228.615	129.339	130.920	127.454
Cr 267.716	357.479	357.637	353.693

Label	Replicates Concentration		
Cu 324.754	235.363	237.693	235.520
Fe 271.441	404681	405385	399527
K 766.491	7888.33	7903.89	7800.70
Mg 279.078	12064.0	12061.0	11912.7
Mn 257.610	12855.7	12886.9	12745.8
Mo 202.032	14.5082	13.8140	14.6416
Na 330.237	770.965u	879.606u	673.070u
Ni 231.604	79.6852	80.4221	81.1708
Pb 220.353	667.339	671.149	651.965
Sb 206.834	2.4566	-3.3080	-0.4269
Se 196.026	-3.4793	-0.8537	15.6956
Sn 189.925	50.3466	55.5279	58.5567
Sr 216.596	119.198	119.821	117.552
Ti 334.941	961.886	963.868	953.803
Tl 190.794	8.0223u	10.2326u	7.7202u
V 292.401	531.840	531.550	523.976
Zn 206.200	2081.21	2077.18	2040.76

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-1.2528	ppb	0.0398	3.2	-53.1205
Al 308.215	87667.8	ppb	612.915	0.7	426046
As 188.980	201.427	ppb	2.4813	1.2	69.0850
B 249.678	22.6277	ppb	0.5267	2.3	-230.775
Ba 389.178	1124.94	ppb	7.9997	0.7	16935.2
Be 313.042	10.0009	ppb	0.0858	0.9	9576.00
Ca 370.602	44919	ppb	366.1	0.8	76172
Cd 226.502	-7.6415	ppb	0.4198	5.5	1200.80
Co 228.615	129.238	ppb	1.7349	1.3	763.073
Cr 267.716	356.270	ppb	2.2325	0.6	10608.5
Cu 324.754	236.192	ppb	1.3023	0.6	9922.91
Fe 271.441	403198	ppb	3198.22	0.8	314604
K 766.491	7864.31	ppb	55.6320	0.7	223017
Mg 279.078	12012.6	ppb	86.4759	0.7	19389.9
Mn 257.610	12829.4	ppb	74.1044	0.6	1584768
Mo 202.032	14.3213	ppb	0.4443	3.1	49.8578
Na 330.237	774.547	ppb	103.314	13.3	-41.2623
Ni 231.604	80.4260	ppb	0.7428	0.9	167.059
Pb 220.353	663.484	ppb	10.1562	1.5	610.233
Sb 206.834	-0.4261	ppb	2.8823	676.4	11.3803
Se 196.026	3.7875	ppb	10.3959	274.5	6.7321
Sn 189.925	54.8104	ppb	4.1518	7.6	22.4335
Sr 216.596	118.857	ppb	1.1722	1.0	1066.52
Ti 334.941	959.852	ppb	5.3316	0.6	183369
Tl 190.794	8.6584	ppb	1.3717	15.8	-23.0819
V 292.401	529.122	ppb	4.4591	0.8	7101.13
Zn 206.200	2066.38	ppb	22.2785	1.1	1233.08

680-104727-a-9-b ms (Samp) **8/30/2014, 2:04:44 AM** **Rack 3, Tube 36**

Weight: 1 **Volume: 1** **Dilution: 1**

Label	Replicates Concentration		
Ag 328.068	47.4197	47.3894	49.5278
Al 308.215	98498.3	98525.1	98460.4
As 188.980	242.111	246.632	247.335

Label	Replicates Concentration		
B 249.678	154.689	154.992	157.022
Ba 389.178	1077.25	1076.70	1075.29
Be 313.042	58.5394	58.6652	58.5260
Ca 370.602	82035	82138	81908
Cd 226.502	40.5731	40.7255	41.0633
Co 228.615	136.897	134.937	136.946
Cr 267.716	434.495	435.786	434.461
Cu 324.754	359.570	357.746	363.251
Fe 271.441	316948	317570	316779
K 766.491	14233.3	14234.1	14257.1
Mg 279.078	18180.4	18186.5	18196.2
Mn 257.610	9191.19	9177.88	9172.99
Mo 202.032	98.8358	99.8191	98.3696
Na 330.237	5637.96	5758.53	5905.71
Ni 231.604	179.876	178.830	181.080
Pb 220.353	690.085	678.460	682.238
Sb 206.834	19.2724	19.6926	14.8312
Se 196.026	97.9790	85.4147	84.6918
Sn 189.925	224.687	217.893	236.676
Sr 216.596	260.826	263.303	260.760
Ti 334.941	867.124	868.217	866.116
Tl 190.794	33.2918u	43.5483	35.1810
V 292.401	464.003	463.896	462.744
Zn 206.200	2213.37	2212.19	2207.29

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	48.1123	ppb	1.2259	2.5	2657.09
Al 308.215	98494.6	ppb	32.5097	0.0	478452
As 188.980	245.359	ppb	2.8352	1.2	85.1603
B 249.678	155.568	ppb	1.2684	0.8	1107.04
Ba 389.178	1076.41	ppb	1.0141	0.1	16184.1
Be 313.042	58.5769	ppb	0.0768	0.1	57203.6
Ca 370.602	82027	ppb	115.5	0.1	141708
Cd 226.502	40.7873	ppb	0.2509	0.6	2037.01
Co 228.615	136.260	ppb	1.1458	0.8	797.828
Cr 267.716	434.914	ppb	0.7552	0.2	12885.4
Cu 324.754	360.189	ppb	2.8042	0.8	14887.8
Fe 271.441	317099	ppb	416.691	0.1	247426
K 766.491	14241.5	ppb	13.4680	0.1	403720
Mg 279.078	18187.7	ppb	7.9542	0.0	29485.1
Mn 257.610	9180.69	ppb	9.4152	0.1	1134154
Mo 202.032	99.0081	ppb	0.7399	0.7	389.108
Na 330.237	5767.40	ppb	134.094	2.3	147.830
Ni 231.604	179.929	ppb	1.1260	0.6	346.156
Pb 220.353	683.594	ppb	5.9299	0.9	624.456
Sb 206.834	17.9321	ppb	2.6936	15.0	25.3766
Se 196.026	89.3618	ppb	7.4714	8.4	27.7411
Sn 189.925	226.419	ppb	9.5103	4.2	97.5588
Sr 216.596	261.630	ppb	1.4493	0.6	1969.61
Ti 334.941	867.152	ppb	1.0506	0.1	165666
Tl 190.794	37.3404	ppb	5.4586	14.6	-0.4028
V 292.401	463.548	ppb	0.6979	0.2	6204.43
Zn 206.200	2210.95	ppb	3.2251	0.1	1322.17

Cont Calib Verif (CCV) **8/30/2014, 2:09:02 AM** **Rack 3, Tube 37**

Weight: 1 **Volume: 1** **Dilution: 1**

Label	Replicates Concentration		
Ag 328.068	512.982	512.040	513.926
Al 308.215	4895.71	4905.61	4883.20
As 188.980	491.125	485.050	478.541
B 249.678	498.997	501.687	500.767
Ba 389.178	5039.53	5034.46	4976.04
Be 313.042	518.824	519.435	517.095
Ca 370.602	5073	5082	5046
Cd 226.502	495.055	493.217	492.293
Co 228.615	507.441	508.553	504.357
Cr 267.716	5041.64	5033.03	5010.94
Cu 324.754	5084.59	5033.29	5014.01
Fe 271.441	5125.92	5138.84	5131.40
K 766.491	10418.6	10437.0	10372.4
Mg 279.078	4971.19	4959.35	4948.26
Mn 257.610	5119.13	5125.21	5103.53
Mo 202.032	504.521	504.143	503.815
Na 330.237	7613.47	7424.46	7261.63
Ni 231.604	2488.07	2495.41	2488.32
Pb 220.353	492.247	485.191	484.123
Sb 206.834	981.263	984.037	974.614
Se 196.026	4887.54	4891.38	4898.15
Sn 189.925	4977.70	4974.47	4977.88
Sr 216.596	2479.85	2479.90	2472.54
Ti 334.941	499.367	499.993	498.899
Tl 190.794	5061.98	5038.98	5013.53
V 292.401	5141.42	5146.56	5121.81
Zn 206.200	2452.18	2448.45	2448.73

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Ag 328.068	512.983	ppb	0.9431	0.2	28215.1	102.59651
Al 308.215	4894.84	ppb	11.2287	0.2	24441.7	97.89677
As 188.980	484.905	ppb	6.2932	1.3	171.412	96.98108
B 249.678	500.484	ppb	1.3673	0.3	4699.87	100.09679
Ba 389.178	5016.68	ppb	35.2821	0.7	74968.6	100.33357
Be 313.042	518.452	ppb	1.2138	0.2	508190	103.69032
Ca 370.602	5067	ppb	18.62	0.4	9099	101.34357
Cd 226.502	493.522	ppb	1.4064	0.3	11526.5	98.70434
Co 228.615	506.784	ppb	2.1738	0.4	2876.68	101.35677
Cr 267.716	5028.54	ppb	15.8360	0.3	147608	100.57072
Cu 324.754	5043.96	ppb	36.4804	0.7	203001	100.87919
Fe 271.441	5132.05	ppb	6.4848	0.1	4055.92	102.64104
K 766.491	10409.3	ppb	33.2576	0.3	295133	104.09343
Mg 279.078	4959.60	ppb	11.4696	0.2	8022.02	99.19196
Mn 257.610	5115.96	ppb	11.1859	0.2	631710	102.31916
Mo 202.032	504.160	ppb	0.3534	0.1	2006.26	100.83194
Na 330.237	7433.19	ppb	176.078	2.4	258.971	99.10916
Ni 231.604	2490.60	ppb	4.1652	0.2	4590.02	99.62405
Pb 220.353	487.187	ppb	4.4145	0.9	439.237	97.43739
Sb 206.834	979.971	ppb	4.8427	0.5	886.275	97.99712
Se 196.026	4892.36	ppb	5.3739	0.1	1255.13	97.84712
Sn 189.925	4976.69	ppb	1.9184	0.0	2177.06	99.53370
Sr 216.596	2477.43	ppb	4.2332	0.2	16514.2	99.09724

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Ti 334.941	499.419	ppb	0.5491	0.1	95396.4	99.88390
Tl 190.794	5038.17	ppb	24.2366	0.5	3076.79	100.76330
V 292.401	5136.60	ppb	13.0585	0.3	68135.9	102.73196
Zn 206.200	2449.79	ppb	2.0799	0.1	1466.10	97.99149

Cont Calib Blank (CCB) **8/30/2014, 2:13:20 AM** **Rack 3, Tube 38**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Replicates Concentration		
Ag 328.068	-0.0490u	-0.1626u	0.2115
Al 308.215	2.0981	-0.7825u	5.7806
As 188.980	0.4218	-0.8321u	-4.4492u
B 249.678	4.9298	4.1683	3.2701
Ba 389.178	0.5389	1.3727	0.2505
Be 313.042	0.0427	0.0555	0.0456
Ca 370.602	3.628	5.273	2.680
Cd 226.502	-0.0139u	-0.0014u	0.0475
Co 228.615	-0.1959u	-0.1305u	0.0076
Cr 267.716	0.1450	0.1779	0.4173
Cu 324.754	0.0441	-0.0273u	0.1593
Fe 271.441	11.8443	-0.1713u	-0.5390u
K 766.491	0.5215	0.2591	0.1023
Mg 279.078	1.3203	-2.7623u	-3.1438u
Mn 257.610	0.5400	0.5683	0.6069
Mo 202.032	0.2528	0.0309	0.5316
Na 330.237	-87.6976u	5.2972	-66.0567u
Ni 231.604	-0.3221u	-0.7466u	-1.0779u
Pb 220.353	-0.3214u	-0.4088u	0.2248
Sb 206.834	-2.5758u	-3.4683u	0.5390
Se 196.026	3.3617	5.2269	10.5418
Sn 189.925	-1.8550u	-2.7448u	-1.9329u
Sr 216.596	-0.0496u	-0.7841u	0.0897
Ti 334.941	0.2427	0.0961	0.0822
Tl 190.794	1.5042	-1.8773u	0.2522
V 292.401	0.0006u	0.5373	0.3922
Zn 206.200	0.9858	-1.3604u	0.2135

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Ag 328.068	-0.0000	ppb	0.1918	638697.1	19.4752	-0.00003
Al 308.215	2.3654	ppb	3.2897	139.1	321.337	2.36539
As 188.980	-1.6198	ppb	2.5293	156.1	-2.6760	-1.61981
B 249.678	4.1227	ppb	0.8308	20.2	113.652	4.12274
Ba 389.178	0.7207	ppb	0.5828	80.9	-30.8289	0.72070
Be 313.042	0.0479	ppb	0.0067	14.0	-199.264	0.04794
Ca 370.602	3.860	ppb	1.312	34.0	27.84	3.86007
Cd 226.502	0.0107	ppb	0.0325	302.5	4.2914	0.01074
Co 228.615	-0.1063	ppb	0.1039	97.8	7.9937	-0.10626
Cr 267.716	0.2467	ppb	0.1486	60.2	21.0631	0.24673
Cu 324.754	0.0587	ppb	0.0942	160.5	342.643	0.05868
Fe 271.441	3.7113	ppb	7.0457	189.8	-1.2040	3.71134
K 766.491	0.2943	ppb	0.2118	72.0	183.053	0.29430
Mg 279.078	-1.5286	ppb	2.4746	161.9	9.7154	-1.52860
Mn 257.610	0.5717	ppb	0.0336	5.9	102.759	0.57171
Mo 202.032	0.2717	ppb	0.2509	92.3	5.3358	0.27175

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Na 330.237	-49.4857	ppb	48.6617	98.3	16.5217	-49.48569
Ni 231.604	-0.7156	ppb	0.3789	52.9	-2.8032	-0.71556
Pb 220.353	-0.1685	ppb	0.3434	203.8	1.2194	-0.16845
Sb 206.834	-1.8350	ppb	2.1038	114.6	-0.1601	-1.83503
Se 196.026	6.3768	ppb	3.7256	58.4	3.7344	6.37679
Sn 189.925	-2.1775	ppb	0.4928	22.6	-2.5134	-2.17754
Sr 216.596	-0.2480	ppb	0.4695	189.3	-0.2604	-0.24800
Ti 334.941	0.1403	ppb	0.0889	63.4	41.6555	0.14035
Tl 190.794	-0.0403	ppb	1.7097	4242.4	-2.5371	-0.04030
V 292.401	0.3100	ppb	0.2776	89.5	-0.9166	0.31004
Zn 206.200	-0.0537	ppb	1.1957	2226.7	-0.0941	-0.05370

680-104727-a-9-c msd (Samp) **8/30/2014, 2:17:38 AM** **Rack 3, Tube 39**

Weight: 1 **Volume: 1** **Dilution: 1**

Label	Replicates Concentration		
Ag 328.068	49.9917	49.4386	47.8505
Al 308.215	109512	108986	106340
As 188.980	293.489	305.210	292.665
B 249.678	161.256	161.133	159.225
Ba 389.178	2037.07	2030.09	1976.45
Be 313.042	61.7117	61.4960	59.6426
Ca 370.602	261939	262237	255080
Cd 226.502	40.3448	40.6184	37.7738
Co 228.615	213.920	213.129	205.430
Cr 267.716	623.973	620.814	604.577
Cu 324.754	386.530	388.428	374.235
Fe 271.441	450886	449032	436018
K 766.491	16281.9	16187.4	15790.5
Mg 279.078	24088.6	23991.4	23359.5
Mn 257.610	15708.2	15677.5	15276.4
Mo 202.032	104.795	104.051	101.144
Na 330.237	7060.82	7078.46	7073.49
Ni 231.604	199.259	194.144	191.116
Pb 220.353	705.728	704.453	686.509
Sb 206.834	20.2648	13.1023	11.7216
Se 196.026	65.2555	74.2571	91.8477
Sn 189.925	252.123	257.980	248.155
Sr 216.596	401.066	402.969	388.952
Ti 334.941	890.194	887.584	866.557
Tl 190.794	41.9400u	43.9818u	43.0462u
V 292.401	609.506	605.591	588.553
Zn 206.200	2432.33	2409.75	2338.27

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	49.0936	ppb	1.1115	2.3	2714.87
Al 308.215	108279	ppb	1699.90	1.6	526076
As 188.980	297.121	ppb	7.0171	2.4	103.291
B 249.678	160.538	ppb	1.1388	0.7	988.081
Ba 389.178	2014.54	ppb	33.1706	1.6	30261.0
Be 313.042	60.9501	ppb	1.1375	1.9	59563.3
Ca 370.602	259752	ppb	4049	1.6	452094
Cd 226.502	39.5790	ppb	1.5693	4.0	2448.62
Co 228.615	210.826	ppb	4.6899	2.2	1224.05

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Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Cr 267.716	616.455	ppb	10.4070	1.7	18263.9
Cu 324.754	383.064	ppb	7.7051	2.0	15836.5
Fe 271.441	445312	ppb	8102.08	1.8	347470
K 766.491	16086.6	ppb	260.757	1.6	456003
Mg 279.078	23813.2	ppb	395.902	1.7	38562.3
Mn 257.610	15554.0	ppb	240.941	1.5	1921289
Mo 202.032	103.330	ppb	1.9297	1.9	402.684
Na 330.237	7070.92	ppb	9.0925	0.1	169.924
Ni 231.604	194.840	ppb	4.1162	2.1	380.076
Pb 220.353	698.897	ppb	10.7472	1.5	643.721
Sb 206.834	15.0296	ppb	4.5861	30.5	26.6244
Se 196.026	77.1201	ppb	13.5253	17.5	26.0670
Sn 189.925	252.753	ppb	4.9424	2.0	109.087
Sr 216.596	397.663	ppb	7.6032	1.9	2998.91
Ti 334.941	881.445	ppb	12.9590	1.5	168412
Tl 190.794	42.9893	ppb	1.0221	2.4	-4.5563
V 292.401	601.217	ppb	11.1400	1.9	8054.01
Zn 206.200	2393.45	ppb	49.1030	2.1	1428.45

680-104727-a-1-a (Samp) **8/30/2014, 2:21:56 AM** **Rack 3, Tube 40**

Weight: 1 **Volume: 1** **Dilution: 1**

Label	Replicates Concentration		
Ag 328.068	0.7666	0.5680	0.9161
Al 308.215	94901.4	94932.9	94746.3
As 188.980	362.538	366.379	360.650
B 249.678	86.2990	85.0018	82.4809
Ba 389.178	3815.22	3816.58	3807.50
Be 313.042	14.9332	14.9618	14.9637
Ca 370.602	123006	123331	123250
Cd 226.502	8.7338	8.1924	7.6575
Co 228.615	132.693	136.738	133.536
Cr 267.716	428.988	428.911	428.270
Cu 324.754	1186.02	1198.20	1194.06
Fe 271.441	533131	533512	532977
K 766.491	12933.9	12983.7	12934.6
Mg 279.078	18788.0	18675.0	18756.1
Mn 257.610	14965.3	14950.1	14953.6
Mo 202.032	68.9008	69.2695	69.4274
Na 330.237	1790.89u	1935.34u	1821.98u
Ni 231.604	194.097	197.461	201.189
Pb 220.353	2348.98	2349.66	2335.27
Sb 206.834	3.7912	6.8733	6.5946
Se 196.026	5.0315	0.7009	4.9353
Sn 189.925	212.204	207.484	209.678
Sr 216.596	627.789	629.059	628.347
Ti 334.941	1791.84	1789.90	1788.81
Tl 190.794	17.4745u	8.9742u	12.9341u
V 292.401	368.629	367.441	368.085
Zn 206.200	7351.42	7368.76	7349.66

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	0.7502	ppb	0.1746	23.3	38.1912
Al 308.215	94860.2	ppb	99.9243	0.1	461081

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
As 188.980	363.189	ppb	2.9195	0.8	126.563
B 249.678	84.5939	ppb	1.9415	2.3	174.892
Ba 389.178	3813.10	ppb	4.8969	0.1	57174.7
Be 313.042	14.9529	ppb	0.0171	0.1	14433.1
Ca 370.602	123195	ppb	169.4	0.1	212547
Cd 226.502	8.1946	ppb	0.5381	6.6	2014.80
Co 228.615	134.322	ppb	2.1343	1.6	804.170
Cr 267.716	428.723	ppb	0.3942	0.1	12776.4
Cu 324.754	1192.76	ppb	6.1907	0.5	48395.5
Fe 271.441	533207	ppb	275.574	0.1	416045
K 766.491	12950.8	ppb	28.5560	0.2	367146
Mg 279.078	18739.7	ppb	58.2558	0.3	30313.4
Mn 257.610	14956.3	ppb	7.9273	0.1	1847618
Mo 202.032	69.1992	ppb	0.2702	0.4	264.680
Na 330.237	1849.40	ppb	76.0272	4.1	-67.7253
Ni 231.604	197.582	ppb	3.5476	1.8	389.666
Pb 220.353	2344.64	ppb	8.1188	0.3	2117.68
Sb 206.834	5.7530	ppb	1.7047	29.6	19.2962
Se 196.026	3.5559	ppb	2.4730	69.5	7.5989
Sn 189.925	209.789	ppb	2.3617	1.1	90.2777
Sr 216.596	628.398	ppb	0.6364	0.1	4569.22
Ti 334.941	1790.19	ppb	1.5365	0.1	341958
Tl 190.794	13.1276	ppb	4.2535	32.4	-29.7507
V 292.401	368.051	ppb	0.5949	0.2	4984.13
Zn 206.200	7356.61	ppb	10.5554	0.1	4414.47

680-104727-a-3-a (Samp) **8/30/2014, 2:26:14 AM** **Rack 3, Tube 41**

Weight: 1 **Volume: 1** **Dilution: 1**

Label	Replicates Concentration		
Ag 328.068	0.5916	-0.2257u	0.8883
Al 308.215	112644	113361	113796
As 188.980	306.804	311.111	301.164
B 249.678	47.5874	47.9116	49.0875
Ba 389.178	5750.69	5786.75	5793.57
Be 313.042	10.8338	10.9282	10.8925
Ca 370.602	192342	193717	192216
Cd 226.502	2.4303	2.0897	2.7547
Co 228.615	69.0746	70.1132	68.7112
Cr 267.716	291.616	293.875	292.555
Cu 324.754	844.219	856.537	856.446
Fe 271.441	338342	341145	339813
K 766.491	17012.1	17169.9	17144.0
Mg 279.078	60359.3	60648.0	60592.6
Mn 257.610	10741.3	10845.8	10804.8
Mo 202.032	22.2122	23.0245	23.6538
Na 330.237	2053.04u	1781.26u	1738.37u
Ni 231.604	144.310	144.166	143.713
Pb 220.353	985.294	989.180	1001.34
Sb 206.834	12.6683	4.1901	8.5472
Se 196.026	11.9112	-2.3466	-5.5446
Sn 189.925	119.884	118.341	116.171
Sr 216.596	387.011	389.677	389.894
Ti 334.941	1145.81	1154.14	1154.24

Label	Replicates Concentration		
Tl 190.794	3.9676u	7.3727u	6.8408u
V 292.401	316.441	318.510	316.616
Zn 206.200	2757.67	2764.12	2766.55

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	0.4180	ppb	0.5769	138.0	32.1235
Al 308.215	113267	ppb	581.618	0.5	550114
As 188.980	306.359	ppb	4.9880	1.6	107.012
B 249.678	48.1955	ppb	0.7893	1.6	86.2039
Ba 389.178	5777.00	ppb	23.0421	0.4	86501.0
Be 313.042	10.8848	ppb	0.0477	0.4	10463.2
Ca 370.602	192759	ppb	832.6	0.4	335557
Cd 226.502	2.4249	ppb	0.3325	13.7	1220.49
Co 228.615	69.2997	ppb	0.7276	1.0	423.856
Cr 267.716	292.682	ppb	1.1350	0.4	8721.80
Cu 324.754	852.401	ppb	7.0858	0.8	34671.9
Fe 271.441	339767	ppb	1401.97	0.4	265108
K 766.491	17108.7	ppb	84.6355	0.5	484964
Mg 279.078	60533.3	ppb	153.223	0.3	98397.8
Mn 257.610	10797.3	ppb	52.6525	0.5	1333971
Mo 202.032	22.9635	ppb	0.7227	3.1	86.0955
Na 330.237	1857.56	ppb	170.651	9.2	2.0227
Ni 231.604	144.063	ppb	0.3114	0.2	281.282
Pb 220.353	991.938	ppb	8.3714	0.8	900.898
Sb 206.834	8.4685	ppb	4.2396	50.1	17.3618
Se 196.026	1.3400	ppb	9.2935	693.5	5.5290
Sn 189.925	118.132	ppb	1.8655	1.6	50.1538
Sr 216.596	388.861	ppb	1.6055	0.4	2858.20
Ti 334.941	1151.40	ppb	4.8377	0.4	220000
Tl 190.794	6.0604	ppb	1.8318	30.2	-20.8276
V 292.401	317.189	ppb	1.1477	0.4	4274.52
Zn 206.200	2762.78	ppb	4.5881	0.2	1654.05

680-104727-a-4-a (Samp) **8/30/2014, 2:30:32 AM** **Rack 3, Tube 42**

Weight: 1 **Volume: 1** **Dilution: 1**

Label	Replicates Concentration		
Ag 328.068	1.4899	1.5669	3.0426
Al 308.215	112850	110122	114812
As 188.980	230.024	207.087	222.008
B 249.678	47.6937u	48.0801u	48.6990u
Ba 389.178	2339.46	2234.35	2334.37
Be 313.042	13.8985	13.3306	13.9133
Ca 370.602	298753	285115	298549
Cd 226.502	12.1164	8.5590	11.7433
Co 228.615	92.9529	90.2879	93.8520
Cr 267.716	456.315	437.674	457.473
Cu 324.754	715.057	675.333	714.110
Fe 271.441	421524	404367	423090
K 766.491	12346.7	11838.1	12371.1
Mg 279.078	137761	131980	137907
Mn 257.610	25264.5	24169.0	25127.0
Mo 202.032	20.2229	17.6954	19.7781
Na 330.237	1043.49u	1011.50u	814.069u

Label	Replicates Concentration		
Ni 231.604	156.089	148.694	157.603
Pb 220.353	2769.58	2662.36	2783.43
Sb 206.834	5.6234	4.6002	11.4276
Se 196.026	-1.4302	-6.2997	-5.2765
Sn 189.925	97.2749	94.7625	97.5491
Sr 216.596	348.182	333.750	349.500
Ti 334.941	1491.64	1429.89	1495.96
Tl 190.794	4.2379u	2.9331u	3.0332u
V 292.401	588.494	565.724	592.188
Zn 206.200	5199.95	4986.29	5178.06

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	2.0331	ppb	0.8751	43.0	159.750
Al 308.215	112595	ppb	2355.41	2.1	546968
As 188.980	219.706	ppb	11.6407	5.3	75.7215
B 249.678	48.1576	ppb	0.5071	1.1	-12.0833
Ba 389.178	2302.73	ppb	59.2691	2.6	34662.4
Be 313.042	13.7141	ppb	0.3323	2.4	13259.1
Ca 370.602	294139	ppb	7816	2.7	512837
Cd 226.502	10.8062	ppb	1.9551	18.1	1677.65
Co 228.615	92.3643	ppb	1.8536	2.0	560.436
Cr 267.716	450.487	ppb	11.1117	2.5	13409.6
Cu 324.754	701.500	ppb	22.6666	3.2	28624.0
Fe 271.441	416327	ppb	10387.3	2.5	324847
K 766.491	12185.3	ppb	300.925	2.5	345456
Mg 279.078	135883	ppb	3380.52	2.5	220889
Mn 257.610	24853.5	ppb	596.802	2.4	3069898
Mo 202.032	19.2321	ppb	1.3493	7.0	68.9905
Na 330.237	956.353	ppb	124.257	13.0	-61.3264
Ni 231.604	154.128	ppb	4.7669	3.1	303.687
Pb 220.353	2738.46	ppb	66.2652	2.4	2466.41
Sb 206.834	7.2171	ppb	3.6822	51.0	18.9197
Se 196.026	-4.3355	ppb	2.5675	59.2	6.2517
Sn 189.925	96.5288	ppb	1.5358	1.6	40.6964
Sr 216.596	343.811	ppb	8.7374	2.5	2627.49
Ti 334.941	1472.50	ppb	36.9653	2.5	281415
Tl 190.794	3.4014	ppb	0.7262	21.3	-23.9147
V 292.401	582.135	ppb	14.3325	2.5	7810.49
Zn 206.200	5121.44	ppb	117.549	2.3	3071.79

680-104727-a-5-a (Samp) **8/30/2014, 2:34:50 AM** **Rack 3, Tube 43**

Weight: 1 **Volume: 1** **Dilution: 1**

Label	Replicates Concentration		
Ag 328.068	3.8102	4.8608	4.9455
Al 308.215	124358	123963	123886
As 188.980	266.921	264.306	265.180
B 249.678	72.0198	72.9951	73.6265
Ba 389.178	4476.99	4474.13	4471.84
Be 313.042	15.6507	15.6474	15.6330
Ca 370.602	429849	424640	424874
Cd 226.502	15.6124	15.9131	15.7611
Co 228.615	111.564	109.927	110.448
Cr 267.716	516.586	516.576	515.625

Label	Replicates Concentration		
Cu 324.754	1143.93	1134.96	1140.83
Fe 271.441	456279	455658	455221
K 766.491	15834.0	15860.1	15811.1
Mg 279.078	206342	205784	205627
Mn 257.610	12165.8	12151.3	12148.1
Mo 202.032	28.8133	27.9609	29.2188
Na 330.237	2030.06u	1742.99u	1653.15u
Ni 231.604	183.240	182.465	182.182
Pb 220.353	3462.68	3438.00	3446.88
Sb 206.834	23.7106	21.7671	15.2966
Se 196.026	-3.5408	-6.0727	0.5117
Sn 189.925	239.046	228.787	242.438
Sr 216.596	720.293	717.970	716.426
Ti 334.941	1876.20	1875.78	1876.03
Tl 190.794	5.0046u	5.9452u	14.8433u
V 292.401	502.844	502.551	502.583
Zn 206.200	8056.66	8004.32	8025.46

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	4.5388	ppb	0.6324	13.9	241.602
Al 308.215	124069	ppb	252.895	0.2	602662
As 188.980	265.469	ppb	1.3312	0.5	92.0276
B 249.678	72.8805	ppb	0.8095	1.1	166.022
Ba 389.178	4474.32	ppb	2.5803	0.1	67205.5
Be 313.042	15.6437	ppb	0.0094	0.1	15171.5
Ca 370.602	426454	ppb	2942	0.7	744171
Cd 226.502	15.7622	ppb	0.1504	1.0	1928.08
Co 228.615	110.646	ppb	0.8362	0.8	669.257
Cr 267.716	516.262	ppb	0.5516	0.1	15318.2
Cu 324.754	1139.91	ppb	4.5563	0.4	46251.2
Fe 271.441	455719	ppb	531.618	0.1	355584
K 766.491	15835.0	ppb	24.5026	0.2	448874
Mg 279.078	205918	ppb	375.968	0.2	335055
Mn 257.610	12155.1	ppb	9.4219	0.1	1502443
Mo 202.032	28.6643	ppb	0.6420	2.2	105.482
Na 330.237	1808.73	ppb	196.867	10.9	-61.0589
Ni 231.604	182.629	ppb	0.5481	0.3	358.207
Pb 220.353	3449.19	ppb	12.4971	0.4	3101.48
Sb 206.834	20.2581	ppb	4.4053	21.7	31.4382
Se 196.026	-3.0339	ppb	3.3214	109.5	5.1662
Sn 189.925	236.757	ppb	7.1073	3.0	102.084
Sr 216.596	718.230	ppb	1.9463	0.3	5180.76
Ti 334.941	1876.00	ppb	0.2068	0.0	358558
Tl 190.794	8.5977	ppb	5.4293	63.1	-27.3406
V 292.401	502.659	ppb	0.1608	0.0	6762.47
Zn 206.200	8028.81	ppb	26.3320	0.3	4820.98

680-104727-a-6-a (Samp) **8/30/2014, 2:39:08 AM** **Rack 3, Tube 44**

Weight: 1 **Volume: 1** **Dilution: 1**

Label	Replicates Concentration		
Ag 328.068	-2.4657u	-3.1339u	-2.6362u
Al 308.215	174658	173150	173138
As 188.980	423.656	446.470	417.820

Label	Replicates Concentration		
B 249.678	61.2829u	59.4305u	60.3132u
Ba 389.178	3402.43	3376.22	3372.94
Be 313.042	23.6296	23.4592	23.4859
Ca 370.602	238470	235487	237429
Cd 226.502	1.7892	1.1024	0.4840
Co 228.615	295.569	294.552	295.570
Cr 267.716	882.751	876.281	876.535
Cu 324.754	1520.81	1525.47	1538.33
Fe 271.441	729414	722853	725320
K 766.491	18433.1	18300.2	18272.9
Mg 279.078	19726.2	19600.5	19571.2
Mn 257.610	37999.6x	37680.5x	37787.4x
Mo 202.032	36.5642	35.9647	36.8634
Na 330.237	2958.57u	2473.78u	3093.19u
Ni 231.604	279.276	273.723	273.417
Pb 220.353	1849.20	1833.61	1834.79
Sb 206.834	21.7724	16.8342	21.0664
Se 196.026	9.5543	-8.9934	-0.5227
Sn 189.925	100.969	104.283	95.4974
Sr 216.596	587.804	582.427	584.076
Ti 334.941	1841.09	1823.42	1826.57
Tl 190.794	2.6114u	5.8739u	0.9322u
V 292.401	771.145	765.258	768.990
Zn 206.200	6454.73	6414.36	6422.07

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-2.7453b	ppb	0.3472	12.6	-97.6057
Al 308.215	173649b	ppb	873.925	0.5	843482
As 188.980	429.315b	ppb	15.1399	3.5	150.008
B 249.678	60.3422b	ppb	0.9265	1.5	-295.489
Ba 389.178	3383.86b	ppb	16.1618	0.5	50829.9
Be 313.042	23.5249b	ppb	0.0917	0.4	22868.5
Ca 370.602	237128b	ppb	1514	0.6	411014
Cd 226.502	1.1252b	ppb	0.6529	58.0	2507.62
Co 228.615	295.230b	ppb	0.5872	0.2	1721.85
Cr 267.716	878.522b	ppb	3.6646	0.4	26088.4
Cu 324.754	1528.20b	ppb	9.0758	0.6	61916.8
Fe 271.441	725862b	ppb	3313.51	0.5	566377
K 766.491	18335.4b	ppb	85.6979	0.5	519724
Mg 279.078	19632.6b	ppb	82.3602	0.4	31467.3
Mn 257.610	37822.5xb	ppb	162.410	0.4	4671149
Mo 202.032	36.4641b	ppb	0.4576	1.3	128.941
Na 330.237	2841.85b	ppb	325.780	11.5	-59.1019
Ni 231.604	275.472b	ppb	3.2983	1.2	542.829
Pb 220.353	1839.20b	ppb	8.6816	0.5	1675.42
Sb 206.834	19.8910b	ppb	2.6707	13.4	38.8810
Se 196.026	0.0127b	ppb	9.2854	72869.5	10.5744
Sn 189.925	100.250b	ppb	4.4368	4.4	42.3253
Sr 216.596	584.769b	ppb	2.7547	0.5	4424.90
Ti 334.941	1830.36b	ppb	9.4228	0.5	349649
Tl 190.794	3.1391b	ppb	2.5128	80.0	-43.0995
V 292.401	768.464b	ppb	2.9787	0.4	10335.4
Zn 206.200	6430.39b	ppb	21.4345	0.3	3851.20

680-104727-a-7-a (Samp) **8/30/2014, 2:43:26 AM** **Rack 3, Tube 45**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Replicates Concentration		
Ag 328.068	-5.1752u	-5.0697u	-5.1848u
Al 308.215	201989	201147	201475
As 188.980	256.836	251.534	241.060
B 249.678	64.7399	65.7131	66.0760
Ba 389.178	3291.92	3287.79	3289.25
Be 313.042	51.8576	51.8377	51.9401
Ca 370.602	429261	430186	430628
Cd 226.502	-1.8340	-2.1133	-1.8902
Co 228.615	270.134	268.680	269.870
Cr 267.716	588.718	587.886	589.333
Cu 324.754	1688.40	1680.13	1705.43
Fe 271.441	447775	447475	448590
K 766.491	19164.3	19079.0	19133.5
Mg 279.078	70846.5	70620.5	70706.9
Mn 257.610	35890.9x	35990.7x	35962.4x
Mo 202.032	20.8015	20.9116	21.1075
Na 330.237	2028.28u	1845.19u	2116.93u
Ni 231.604	158.194	158.834	154.767
Pb 220.353	1876.70	1872.03	1875.52
Sb 206.834	2.5570	5.3800	6.3582
Se 196.026	-4.4581	16.0190	13.8465
Sn 189.925	61.3207	61.5545	61.5832
Sr 216.596	613.893	613.339	612.434
Ti 334.941	2899.83	2886.81	2891.74
Tl 190.794	-9.9701u	-6.0470u	-12.2437u
V 292.401	502.298	502.953	503.577
Zn 206.200	3409.33	3400.10	3401.32

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-5.1432b	ppb	0.0639	1.2	-206.658
Al 308.215	201537b	ppb	424.489	0.2	978386
As 188.980	249.810b	ppb	8.0279	3.2	86.8931
B 249.678	65.5096b	ppb	0.6909	1.1	108.591
Ba 389.178	3289.65b	ppb	2.0955	0.1	49366.5
Be 313.042	51.8785b	ppb	0.0542	0.1	50703.5
Ca 370.602	430025b	ppb	697.7	0.2	751131
Cd 226.502	-1.9458b	ppb	0.1477	7.6	1485.50
Co 228.615	269.561b	ppb	0.7744	0.3	1578.44
Cr 267.716	588.645b	ppb	0.7259	0.1	17505.2
Cu 324.754	1691.32b	ppb	12.8977	0.8	68407.4
Fe 271.441	447947b	ppb	576.585	0.1	349529
K 766.491	19125.6b	ppb	43.1827	0.2	542116
Mg 279.078	70724.6b	ppb	114.032	0.2	114659
Mn 257.610	35948.0xb	ppb	51.4621	0.1	4439460
Mo 202.032	20.9402b	ppb	0.1550	0.7	74.9871
Na 330.237	1996.80b	ppb	138.580	6.9	-19.0409
Ni 231.604	157.265b	ppb	2.1873	1.4	310.801
Pb 220.353	1874.75b	ppb	2.4278	0.1	1695.80
Sb 206.834	4.7651b	ppb	1.9738	41.4	18.3549
Se 196.026	8.4691b	ppb	11.2479	132.8	11.0980
Sn 189.925	61.4861b	ppb	0.1440	0.2	25.3561
Sr 216.596	613.222b	ppb	0.7362	0.1	4474.94

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ti 334.941	2892.79b	ppb	6.5767	0.2	552583
Tl 190.794	-9.4203b	ppb	3.1347	33.3	-30.6849
V 292.401	502.943b	ppb	0.6397	0.1	6770.46
Zn 206.200	3403.58b	ppb	5.0125	0.1	2036.58

680-104727-a-8-a (Samp) **8/30/2014, 2:47:44 AM** **Rack 3, Tube 46**

Weight: 1 **Volume: 1** **Dilution: 1**

Label	Replicates Concentration		
Ag 328.068	-2.9631u	-2.4521u	-2.5247u
Al 308.215	100889	100838	100767
As 188.980	177.426	158.982	168.576
B 249.678	19.2198u	18.0500u	18.1798u
Ba 389.178	1244.77	1243.42	1240.91
Be 313.042	11.9302	11.9416	11.9686
Ca 370.602	55581	55711	55717
Cd 226.502	-10.1426	-9.7142	-9.8483
Co 228.615	137.944	138.299	139.504
Cr 267.716	351.489	351.284	352.472
Cu 324.754	223.380	223.611	223.723
Fe 271.441	386746	387900	387483
K 766.491	12435.5	12406.0	12415.7
Mg 279.078	16617.0	16627.7	16602.3
Mn 257.610	12683.1	12731.1	12731.2
Mo 202.032	12.2692	11.7144	11.9150
Na 330.237	604.205u	678.907u	830.902u
Ni 231.604	119.236	121.996	122.832
Pb 220.353	465.773	464.324	460.446
Sb 206.834	-1.5310	-1.1537	0.8710
Se 196.026	14.5236	0.1041	10.7232
Sn 189.925	25.5977	32.0270	36.2215
Sr 216.596	145.794	147.629	147.385
Ti 334.941	593.027	591.526	593.401
Tl 190.794	1.5317u	4.3026u	8.3104u
V 292.401	381.527	381.151	381.061
Zn 206.200	1201.13	1191.95	1193.78

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-2.6467	ppb	0.2765	10.4	-129.341
Al 308.215	100831	ppb	61.4114	0.1	489861
As 188.980	168.328	ppb	9.2243	5.5	57.3660
B 249.678	18.4832	ppb	0.6412	3.5	-249.320
Ba 389.178	1243.03	ppb	1.9600	0.2	18698.9
Be 313.042	11.9468	ppb	0.0198	0.2	11482.4
Ca 370.602	55670	ppb	76.85	0.1	95011
Cd 226.502	-9.9017	ppb	0.2191	2.2	1095.51
Co 228.615	138.583	ppb	0.8176	0.6	811.587
Cr 267.716	351.749	ppb	0.6351	0.2	10472.0
Cu 324.754	223.571	ppb	0.1747	0.1	9413.23
Fe 271.441	387376	ppb	584.620	0.2	302260
K 766.491	12419.1	ppb	14.9897	0.1	352080
Mg 279.078	16615.7	ppb	12.7588	0.1	26881.8
Mn 257.610	12715.2	ppb	27.7252	0.2	1570653
Mo 202.032	11.9662	ppb	0.2810	2.3	41.0060

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Na 330.237	704.671	ppb	115.524	16.4	-33.8530
Ni 231.604	121.355	ppb	1.8818	1.6	241.728
Pb 220.353	463.514	ppb	2.7545	0.6	430.907
Sb 206.834	-0.6046	ppb	1.2917	213.7	10.9118
Se 196.026	8.4503	ppb	7.4736	88.4	7.8334
Sn 189.925	31.2821	ppb	5.3510	17.1	12.1337
Sr 216.596	146.936	ppb	0.9968	0.7	1245.57
Ti 334.941	592.651	ppb	0.9924	0.2	113248
Tl 190.794	4.7149	ppb	3.4081	72.3	-24.4814
V 292.401	381.246	ppb	0.2471	0.1	5129.97
Zn 206.200	1195.62	ppb	4.8603	0.4	709.270

680-104727-a-10-a (Samp) **8/30/2014, 2:52:02 AM** **Rack 3, Tube 47**

Weight: 1 **Volume: 1** **Dilution: 1**

Label	Replicates Concentration		
Ag 328.068	0.8794	0.1047u	0.9803
Al 308.215	88800.6	88794.3	88815.4
As 188.980	362.358	353.883	362.219
B 249.678	71.4133	73.0129	72.3258
Ba 389.178	2502.68	2503.31	2506.02
Be 313.042	12.5068	12.5412	12.5681
Ca 370.602	168427	168616	168455
Cd 226.502	3.5333	3.8300	4.6251
Co 228.615	128.200	126.809	127.087
Cr 267.716	419.824	420.516	419.567
Cu 324.754	838.594	840.729	846.581
Fe 271.441	491040	492560	491990
K 766.491	12081.7	12085.3	12070.8
Mg 279.078	50310.5	50362.5	50377.6
Mn 257.610	16181.5	16172.8	16184.2
Mo 202.032	62.2819	61.5956	63.4201
Na 330.237	1627.09u	1644.28u	1734.35u
Ni 231.604	168.095	164.572	166.181
Pb 220.353	2797.98	2795.74	2796.93
Sb 206.834	13.4291	13.3353	8.3218
Se 196.026	7.3510	12.6760	1.2272
Sn 189.925	126.989	129.184	131.250
Sr 216.596	553.372	553.684	553.071
Ti 334.941	1607.19	1611.16	1612.33
Tl 190.794	2.9724u	6.8787u	3.6948u
V 292.401	378.985	380.568	380.754
Zn 206.200	5308.39	5321.76	5331.17

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	0.6548	ppb	0.4791	73.2	42.8058
Al 308.215	88803.4	ppb	10.8103	0.0	431654
As 188.980	359.486	ppb	4.8534	1.4	125.350
B 249.678	72.2507	ppb	0.8024	1.1	113.944
Ba 389.178	2504.00	ppb	1.7711	0.1	37619.2
Be 313.042	12.5387	ppb	0.0307	0.2	12074.7
Ca 370.602	168499	ppb	102.2	0.1	292160
Cd 226.502	3.9961	ppb	0.5645	14.1	1775.74
Co 228.615	127.365	ppb	0.7359	0.6	761.671

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Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Cr 267.716	419.969	ppb	0.4907	0.1	12511.7
Cu 324.754	841.968	ppb	4.1350	0.5	34289.0
Fe 271.441	491863	ppb	768.301	0.2	383786
K 766.491	12079.3	ppb	7.5503	0.1	342451
Mg 279.078	50350.2	ppb	35.2193	0.1	81759.6
Mn 257.610	16179.5	ppb	5.9314	0.0	1998707
Mo 202.032	62.4325	ppb	0.9216	1.5	238.891
Na 330.237	1668.57	ppb	57.6104	3.5	-51.0409
Ni 231.604	166.283	ppb	1.7635	1.1	329.865
Pb 220.353	2796.88	ppb	1.1227	0.0	2520.57
Sb 206.834	11.6954	ppb	2.9220	25.0	23.6435
Se 196.026	7.0847	ppb	5.7291	80.9	8.4495
Sn 189.925	129.141	ppb	2.1309	1.7	54.9728
Sr 216.596	553.376	ppb	0.3066	0.1	4050.51
Ti 334.941	1610.22	ppb	2.6952	0.2	307623
Tl 190.794	4.5153	ppb	2.0784	46.0	-31.5455
V 292.401	380.102	ppb	0.9718	0.3	5136.34
Zn 206.200	5320.44	ppb	11.4465	0.2	3189.73

680-104712-a-5-a (Samp) **8/30/2014, 2:56:20 AM** **Rack 3, Tube 48**

Weight: 1 **Volume: 1** **Dilution: 1**

Label	Replicates Concentration		
Ag 328.068	-0.1572u	-0.1706u	-0.1569u
Al 308.215	59.9642	57.3693	59.3012
As 188.980	-1.4109u	-5.2360u	-0.7907u
B 249.678	39.7706	41.0457	39.8158
Ba 389.178	14.9134	15.6936	15.3044
Be 313.042	0.0227	0.0172	0.0122
Ca 370.602	828.6	816.9	819.3
Cd 226.502	0.0431	0.0203	-0.1483u
Co 228.615	0.4561	-0.4206u	0.1783
Cr 267.716	0.5275	0.4531	0.7444
Cu 324.754	1.4707	1.8157	1.7270
Fe 271.441	294.672	283.546	275.049
K 766.491	465.750	464.382	467.216
Mg 279.078	150.473	147.277	147.226
Mn 257.610	43.3333	43.3151	43.2698
Mo 202.032	-0.1777u	0.5555	0.2160
Na 330.237	350.322	314.762	282.150
Ni 231.604	0.6310	0.2901	-0.2306u
Pb 220.353	4.2745	-0.0262u	0.2868
Sb 206.834	0.3929	3.0987	-3.4108u
Se 196.026	3.5776	3.1427	1.7998
Sn 189.925	13.9745	15.2158	12.0216
Sr 216.596	5.0637	5.8401	5.5421
Ti 334.941	1.5554	1.6062	1.5385
Tl 190.794	-4.3177u	-4.1271u	-4.3555u
V 292.401	0.1658	0.2195	0.5123
Zn 206.200	5.9852	8.7003	6.3973

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.1615	ppb	0.0078	4.8	10.5626
Al 308.215	58.8782	ppb	1.3482	2.3	595.774

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
As 188.980	-2.4792	ppb	2.4075	97.1	-2.9843
B 249.678	40.2107	ppb	0.7235	1.8	446.624
Ba 389.178	15.3038	ppb	0.3901	2.5	187.422
Be 313.042	0.0173	ppb	0.0053	30.3	-229.150
Ca 370.602	821.6	ppb	6.141	0.7	1459
Cd 226.502	-0.0283	ppb	0.1046	369.4	4.3545
Co 228.615	0.0713	ppb	0.4480	628.6	9.0184
Cr 267.716	0.5750	ppb	0.1514	26.3	30.8927
Cu 324.754	1.6711	ppb	0.1792	10.7	407.504
Fe 271.441	284.422	ppb	9.8407	3.5	217.834
K 766.491	465.783	ppb	1.4171	0.3	13373.1
Mg 279.078	148.325	ppb	1.8603	1.3	253.129
Mn 257.610	43.3061	ppb	0.0327	0.1	5380.16
Mo 202.032	0.1979	ppb	0.3670	185.4	5.0344
Na 330.237	315.745	ppb	34.0967	10.8	29.2316
Ni 231.604	0.2302	ppb	0.4339	188.5	-1.0454
Pb 220.353	1.5117	ppb	2.3978	158.6	2.7361
Sb 206.834	0.0269	ppb	3.2701	12156.2	1.4751
Se 196.026	2.8400	ppb	0.9268	32.6	2.8359
Sn 189.925	13.7373	ppb	1.6103	11.7	4.4536
Sr 216.596	5.4820	ppb	0.3917	7.1	38.3598
Ti 334.941	1.5667	ppb	0.0352	2.2	314.231
Tl 190.794	-4.2667	ppb	0.1224	2.9	-5.1244
V 292.401	0.2992	ppb	0.1865	62.3	-0.9978
Zn 206.200	7.0276	ppb	1.4632	20.8	4.1611

Cont Calib Verif (CCV) **8/30/2014, 3:00:39 AM** **Rack 3, Tube 49**

Weight: 1 **Volume: 1** **Dilution: 1**

Label	Replicates Concentration		
Ag 328.068	516.606	517.953	514.731
Al 308.215	4911.36	4890.58	4901.23
As 188.980	484.289	485.335	482.448
B 249.678	494.750	496.956	500.753
Ba 389.178	5051.55	5025.00	5049.09
Be 313.042	519.325	518.351	519.053
Ca 370.602	5106	5107	5084
Cd 226.502	494.331	492.511	493.558
Co 228.615	506.731	505.174	506.383
Cr 267.716	5051.95	5031.11	5040.67
Cu 324.754	5054.66	5105.83	5099.04
Fe 271.441	5128.41	5124.27	5129.67
K 766.491	10390.7	10373.8	10375.9
Mg 279.078	4983.79	4967.86	4957.67
Mn 257.610	5129.03	5104.93	5127.13
Mo 202.032	506.807	504.855	507.574
Na 330.237	7436.81	7456.05	7460.34
Ni 231.604	2502.48	2488.87	2490.77
Pb 220.353	491.354	483.050	489.492
Sb 206.834	983.331	981.265	969.606
Se 196.026	4890.21	4861.26	4905.39
Sn 189.925	5020.64	4995.82	5011.76
Sr 216.596	2497.25	2484.48	2493.82
Ti 334.941	500.358	498.411	500.272

Label	Replicates Concentration		
Tl 190.794	5067.61	5058.71	5048.04
V 292.401	5141.89	5135.48	5138.52
Zn 206.200	2464.40	2447.43	2454.05

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Ag 328.068	516.430	ppb	1.6180	0.3	28404.4	103.28599
Al 308.215	4901.06	ppb	10.3934	0.2	24472.3	98.02113
As 188.980	484.024	ppb	1.4618	0.3	171.096	96.80474
B 249.678	497.486	ppb	3.0366	0.6	4672.19	99.49724
Ba 389.178	5041.88	ppb	14.6706	0.3	75345.4	100.83759
Be 313.042	518.910	ppb	0.5026	0.1	508640	103.78201
Ca 370.602	5099	ppb	13.06	0.3	9154	101.97505
Cd 226.502	493.467	ppb	0.9131	0.2	11525.2	98.69334
Co 228.615	506.096	ppb	0.8176	0.2	2872.76	101.21921
Cr 267.716	5041.24	ppb	10.4311	0.2	147981	100.82486
Cu 324.754	5086.51	ppb	27.7946	0.5	204711	101.73022
Fe 271.441	5127.45	ppb	2.8255	0.1	4052.35	102.54903
K 766.491	10380.2	ppb	9.2218	0.1	294306	103.80164
Mg 279.078	4969.77	ppb	13.1648	0.3	8038.53	99.39547
Mn 257.610	5120.36	ppb	13.3970	0.3	632254	102.40727
Mo 202.032	506.412	ppb	1.4019	0.3	2015.22	101.28245
Na 330.237	7451.07	ppb	12.5303	0.2	259.531	99.34755
Ni 231.604	2494.04	ppb	7.3711	0.3	4596.35	99.76155
Pb 220.353	487.965	ppb	4.3576	0.9	439.936	97.59302
Sb 206.834	978.067	ppb	7.4003	0.8	884.674	97.80673
Se 196.026	4885.62	ppb	22.4223	0.5	1253.40	97.71236
Sn 189.925	5009.41	ppb	12.5762	0.3	2191.39	100.18812
Sr 216.596	2491.85	ppb	6.6065	0.3	16610.4	99.67403
Ti 334.941	499.680	ppb	1.0999	0.2	95446.3	99.93605
Tl 190.794	5058.12	ppb	9.7977	0.2	3088.96	101.16236
V 292.401	5138.63	ppb	3.2055	0.1	68162.4	102.77261
Zn 206.200	2455.30	ppb	8.5542	0.3	1469.40	98.21181

Cont Calib Blank (CCB) **8/30/2014, 3:04:57 AM** **Rack 3, Tube 50**

Weight: 1 **Volume: 1** **Dilution: 1**

Label	Replicates Concentration		
Ag 328.068	-0.1124u	-0.0031u	0.0529
Al 308.215	3.1739	3.9102	5.2191
As 188.980	-0.9023u	-1.7323u	-6.8657u
B 249.678	5.6613	4.7354	3.0864
Ba 389.178	0.1628	0.2843	0.1181
Be 313.042	0.0223	0.0325	0.0462
Ca 370.602	3.937	3.781	3.975
Cd 226.502	-0.0510u	-0.0876u	0.0483
Co 228.615	-0.2385u	-0.2296u	-0.1287u
Cr 267.716	0.1336	0.2397	0.3293
Cu 324.754	0.1562	0.3620	0.3936
Fe 271.441	-7.3924u	7.4141	8.0892
K 766.491	-0.1965u	0.1270	0.2260
Mg 279.078	-1.3197u	-0.3355u	0.0571
Mn 257.610	0.4136	0.4751	0.6537
Mo 202.032	-0.4737u	0.0987	0.1181
Na 330.237	-38.7539u	-81.4163u	-232.770u

Label	Replicates Concentration		
Ni 231.604	-0.0916u	0.8223	-2.0064u
Pb 220.353	0.4188	1.8747	1.1953
Sb 206.834	-1.7898u	-0.4088u	-0.5630u
Se 196.026	7.6568	3.8952	-2.4120u
Sn 189.925	-3.2843u	-3.9964u	-3.3212u
Sr 216.596	0.5026	-0.1670u	-0.0469u
Ti 334.941	0.0299	0.0271	-0.0183u
Tl 190.794	2.4632	0.7955	-1.4475u
V 292.401	0.5273	0.4954	0.6764
Zn 206.200	0.8714	-0.3447u	-0.9141u

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Ag 328.068	-0.0208	ppb	0.0841	403.1	18.3214	-0.02085
Al 308.215	4.1011	ppb	1.0359	25.3	329.752	4.10107
As 188.980	-3.1667	ppb	3.2301	102.0	-3.2297	-3.16674
B 249.678	4.4944	ppb	1.3042	29.0	117.089	4.49435
Ba 389.178	0.1884	ppb	0.0860	45.6	-38.7876	0.18838
Be 313.042	0.0337	ppb	0.0120	35.5	-213.229	0.03366
Ca 370.602	3.898	ppb	0.1029	2.6	27.87	3.89769
Cd 226.502	-0.0301	ppb	0.0703	233.6	3.3396	-0.03012
Co 228.615	-0.1989	ppb	0.0610	30.7	7.4747	-0.19892
Cr 267.716	0.2342	ppb	0.0980	41.8	20.6938	0.23419
Cu 324.754	0.3039	ppb	0.1289	42.4	352.486	0.30391
Fe 271.441	2.7036	ppb	8.7499	323.6	-1.9853	2.70363
K 766.491	0.0522	ppb	0.2209	423.5	176.192	0.05217
Mg 279.078	-0.5327	ppb	0.7093	133.2	11.3367	-0.53269
Mn 257.610	0.5141	ppb	0.1247	24.3	95.6498	0.51412
Mo 202.032	-0.0857	ppb	0.3362	392.5	3.9140	-0.08565
Na 330.237	-117.647	ppb	101.956	86.7	14.1308	-117.64664
Ni 231.604	-0.4253	ppb	1.4436	339.4	-2.2681	-0.42527
Pb 220.353	1.1629	ppb	0.7285	62.6	2.4097	1.16293
Sb 206.834	-0.9205	ppb	0.7567	82.2	0.6416	-0.92055
Se 196.026	3.0467	ppb	5.0877	167.0	2.8820	3.04668
Sn 189.925	-3.5340	ppb	0.4009	11.3	-3.1072	-3.53396
Sr 216.596	0.0962	ppb	0.3570	371.0	2.0484	0.09624
Ti 334.941	0.0129	ppb	0.0271	210.4	17.3111	0.01287
Tl 190.794	0.6037	ppb	1.9624	325.0	-2.1431	0.60371
V 292.401	0.5664	ppb	0.0966	17.1	2.5268	0.56637
Zn 206.200	-0.1292	ppb	0.9121	706.2	-0.1395	-0.12915

680-104712-a-6-a (Samp) **8/30/2014, 3:09:15 AM** **Rack 3, Tube 51**

Weight: 1 **Volume: 1** **Dilution: 1**

Label	Replicates Concentration		
Ag 328.068	0.0315	0.1086	-0.0422u
Al 308.215	53.7814	53.9193	53.9555
As 188.980	-2.9643u	-3.5020u	-0.6761u
B 249.678	51.6099	52.0808	52.0186
Ba 389.178	14.5248	14.4152	13.5116
Be 313.042	0.0122	0.0107	0.0121
Ca 370.602	1148	1142	1144
Cd 226.502	-0.0492	-0.1410u	-0.0508
Co 228.615	-0.0268u	-0.5255u	-0.2176u
Cr 267.716	0.6728	0.6363	0.8314

Label	Replicates Concentration		
Cu 324.754	1.7352	1.9148	1.8532
Fe 271.441	501.819	502.795	502.799
K 766.491	563.988	564.275	564.226
Mg 279.078	155.852	156.927	155.340
Mn 257.610	60.2607	60.4873	60.3921
Mo 202.032	-0.0793u	-0.5462u	-0.1550u
Na 330.237	718.402	730.047	741.272
Ni 231.604	-0.0867u	1.2983	0.0732
Pb 220.353	-0.9305u	-0.6610u	0.0715
Sb 206.834	-0.2744u	-7.0279u	0.4253
Se 196.026	-0.3456u	-10.4925u	-2.9234u
Sn 189.925	12.2615	13.2180	13.1182
Sr 216.596	5.7770	5.4049	5.6627
Ti 334.941	1.4830	1.6332	1.5359
Tl 190.794	-4.5639u	-3.4207u	-1.4175u
V 292.401	-0.3230u	-0.0191u	-0.2053u
Zn 206.200	7.5658	8.8494	8.1361

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	0.0326	ppb	0.0754	231.0	21.2895
Al 308.215	53.8854	ppb	0.0919	0.2	571.774
As 188.980	-2.3808	ppb	1.5006	63.0	-2.9498
B 249.678	51.9031	ppb	0.2558	0.5	554.332
Ba 389.178	14.1505	ppb	0.5560	3.9	170.265
Be 313.042	0.0117	ppb	0.0008	7.1	-234.642
Ca 370.602	1145	ppb	3.142	0.3	2023
Cd 226.502	-0.0803	ppb	0.0526	65.4	3.8880
Co 228.615	-0.2566	ppb	0.2516	98.1	7.1791
Cr 267.716	0.7135	ppb	0.1037	14.5	35.0662
Cu 324.754	1.8344	ppb	0.0913	5.0	414.110
Fe 271.441	502.471	ppb	0.5643	0.1	387.964
K 766.491	564.163	ppb	0.1537	0.0	16160.8
Mg 279.078	156.040	ppb	0.8102	0.5	265.479
Mn 257.610	60.3800	ppb	0.1138	0.2	7488.61
Mo 202.032	-0.2602	ppb	0.2506	96.3	3.2065
Na 330.237	729.907	ppb	11.4356	1.6	43.7231
Ni 231.604	0.4283	ppb	0.7577	176.9	-0.6689
Pb 220.353	-0.5067	ppb	0.5185	102.3	0.9429
Sb 206.834	-2.2924	ppb	4.1160	179.6	-0.5364
Se 196.026	-4.5871	ppb	5.2741	115.0	0.9380
Sn 189.925	12.8659	ppb	0.5258	4.1	4.0722
Sr 216.596	5.6149	ppb	0.1906	3.4	39.4655
Ti 334.941	1.5507	ppb	0.0762	4.9	311.181
Tl 190.794	-3.1340	ppb	1.5927	50.8	-4.4444
V 292.401	-0.1825	ppb	0.1533	84.0	-7.3227
Zn 206.200	8.1838	ppb	0.6431	7.9	4.8514

mb 680-346548/19-a (Samp) **8/30/2014, 3:13:33 AM** **Rack 3, Tube 52**

Weight: 1 **Volume: 1** **Dilution: 1**

Label	Replicates Concentration		
Ag 328.068	0.0296	0.0289	-0.5972u
Al 308.215	61.1077	60.8813	60.5531
As 188.980	0.1479	-0.6033u	3.8830

Label	Replicates Concentration		
B 249.678	-2.3360u	-2.3588u	-3.2220u
Ba 389.178	0.6295	1.7076	1.7127
Be 313.042	0.0105	0.0091	0.0090
Ca 370.602	154.4	153.0	158.6
Cd 226.502	-0.0087	-0.2527u	0.1037
Co 228.615	0.2659	-0.1842u	0.3077
Cr 267.716	1.0223	1.3192	1.3900
Cu 324.754	0.8960	0.7736	0.8309
Fe 271.441	167.271	173.160	156.203
K 766.491	19.0776	19.0022	18.5870
Mg 279.078	28.0971	29.3458	30.8300
Mn 257.610	12.0897	12.0176	12.1351
Mo 202.032	0.2570	-0.5272u	-0.0669u
Na 330.237	301.881	236.297	71.3216
Ni 231.604	10.4751	5.1842	6.2045
Pb 220.353	2.4512	-0.9124u	6.1544
Sb 206.834	-0.0042	0.7183	-0.0015
Se 196.026	-0.7810u	-3.3607u	1.8583
Sn 189.925	15.9741	17.0182	18.9799
Sr 216.596	0.0096	0.1611	0.1293
Ti 334.941	0.9954	0.9376	0.9774
Tl 190.794	-2.6832u	-0.1863u	-2.3820u
V 292.401	0.3081	0.5646	0.0359
Zn 206.200	1.4537	3.5208	3.9957

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.1796	ppb	0.3617	201.4	9.6057
Al 308.215	60.8474	ppb	0.2788	0.5	605.159
As 188.980	1.1425	ppb	2.4029	210.3	-1.6874
B 249.678	-2.6389	ppb	0.5051	19.1	51.0018
Ba 389.178	1.3500	ppb	0.6239	46.2	-21.3345
Be 313.042	0.0095	ppb	0.0008	8.8	-236.860
Ca 370.602	155.3	ppb	2.916	1.9	292.2
Cd 226.502	-0.0526	ppb	0.1822	346.5	3.3775
Co 228.615	0.1298	ppb	0.2727	210.1	9.3446
Cr 267.716	1.2438	ppb	0.1951	15.7	50.4105
Cu 324.754	0.8335	ppb	0.0612	7.3	373.806
Fe 271.441	165.545	ppb	8.6092	5.2	125.077
K 766.491	18.8889	ppb	0.2642	1.4	709.948
Mg 279.078	29.4243	ppb	1.3682	4.6	59.9493
Mn 257.610	12.0808	ppb	0.0593	0.5	1524.16
Mo 202.032	-0.1123	ppb	0.3941	350.8	3.8035
Na 330.237	203.166	ppb	118.796	58.5	25.3343
Ni 231.604	7.2879	ppb	2.8069	38.5	11.9611
Pb 220.353	2.5644	ppb	3.5348	137.8	3.6697
Sb 206.834	0.2375	ppb	0.4164	175.3	1.6664
Se 196.026	-0.7611	ppb	2.6095	342.9	1.9095
Sn 189.925	17.3241	ppb	1.5260	8.8	6.0237
Sr 216.596	0.1000	ppb	0.0799	79.9	2.0886
Ti 334.941	0.9701	ppb	0.0296	3.0	200.152
Tl 190.794	-1.7505	ppb	1.3630	77.9	-3.5883
V 292.401	0.3029	ppb	0.2644	87.3	-0.9511
Zn 206.200	2.9901	ppb	1.3515	45.2	1.7324

680-104712-a-1-a (Samp) **8/30/2014, 3:17:51 AM** **Rack 3, Tube 53**

Weight: 1 **Volume: 1** **Dilution: 1**

Label	Replicates Concentration		
Ag 328.068	0.6099	0.3193	0.8953
Al 308.215	256.039	257.704	258.776
As 188.980	7.0478	5.7229	4.2379
B 249.678	42.6133	43.2398	42.1850
Ba 389.178	143.399	146.078	146.864
Be 313.042	0.0156	0.0209	0.0171
Ca 370.602	48546	49047	48756
Cd 226.502	-0.4268	-0.7824	-0.3861
Co 228.615	-0.8458u	-1.8744u	-1.8771u
Cr 267.716	14.7700	14.9057	15.0036
Cu 324.754	9.8295	9.4229	9.6327
Fe 271.441	42735.3	43319.4	43122.2
K 766.491	11428.6	11185.4	10801.3
Mg 279.078	5289.66	5320.30	5318.13
Mn 257.610	1152.51	1165.92	1162.58
Mo 202.032	0.4831	0.7570	1.0490
Na 330.237	90732.8	90364.9	94300.9
Ni 231.604	40.4662	21.2148	14.5223
Pb 220.353	0.3041	2.4262	3.4487
Sb 206.834	1.4250	-0.6023	3.2595
Se 196.026	-5.6643u	9.2822	11.9514
Sn 189.925	14.1175	17.9354	16.9737
Sr 216.596	67.4008	69.5997	68.8786
Ti 334.941	7.8463	7.6771	7.7058
Tl 190.794	1.9944u	-3.2081u	0.9240u
V 292.401	-0.0164	-0.3003	-0.0360
Zn 206.200	80.1076	82.7980	81.3821

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	0.6082	ppb	0.2880	47.4	50.4160
Al 308.215	257.506	ppb	1.3790	0.5	1611.07
As 188.980	5.6695	ppb	1.4057	24.8	-0.2157
B 249.678	42.6794	ppb	0.5305	1.2	415.091
Ba 389.178	145.447	ppb	1.8163	1.2	2153.36
Be 313.042	0.0179	ppb	0.0027	15.4	-226.294
Ca 370.602	48783	ppb	251.6	0.5	85154
Cd 226.502	-0.5317	ppb	0.2180	41.0	137.399
Co 228.615	-1.5324	ppb	0.5946	38.8	1.4483
Cr 267.716	14.8931	ppb	0.1173	0.8	466.050
Cu 324.754	9.6284	ppb	0.2033	2.1	737.329
Fe 271.441	43059.0	ppb	297.134	0.7	33593.0
K 766.491	11138.4	ppb	316.255	2.8	315792
Mg 279.078	5309.36	ppb	17.1014	0.3	8641.18
Mn 257.610	1160.34	ppb	6.9774	0.6	143390
Mo 202.032	0.7631	ppb	0.2830	37.1	6.1192
Na 330.237	91799.5	ppb	2174.05	2.4	3232.23
Ni 231.604	25.4011	ppb	13.4690	53.0	47.5200
Pb 220.353	2.0596	ppb	1.6040	77.9	4.9630
Sb 206.834	1.3607	ppb	1.9317	142.0	3.5741
Se 196.026	5.1898	ppb	9.4941	182.9	3.7934
Sn 189.925	16.3422	ppb	1.9857	12.2	5.6097
Sr 216.596	68.6264	ppb	1.1210	1.6	497.515

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ti 334.941	7.7431	ppb	0.0905	1.2	1498.51
Tl 190.794	-0.0966	ppb	2.7473	2844.3	-5.4502
V 292.401	-0.1176	ppb	0.1586	134.9	0.6524
Zn 206.200	81.4292	ppb	1.3458	1.7	47.8466

680-104712-a-2-a (Samp) **8/30/2014, 3:22:09 AM** **Rack 3, Tube 54**

Weight: 1 **Volume: 1** **Dilution: 1**

Label	Replicates Concentration		
Ag 328.068	0.9249	0.6933	0.9423
Al 308.215	261.773	261.537	257.813
As 188.980	-1.4917u	1.2222	3.3968
B 249.678	42.7353	41.4043	42.3892
Ba 389.178	157.247	157.433	156.297
Be 313.042	0.0144	0.0252	0.0183
Ca 370.602	49577	49536	49251
Cd 226.502	-0.4135	-0.6966	-0.4383
Co 228.615	-1.2114u	-1.1167u	-1.4013u
Cr 267.716	15.3496	15.3297	15.3358
Cu 324.754	13.5311	13.2735	13.2489
Fe 271.441	43944.9	43885.1	43754.7
K 766.491	10079.5	10038.2	10023.1
Mg 279.078	5467.24	5437.85	5432.08
Mn 257.610	1196.07	1193.74	1191.18
Mo 202.032	1.0128	1.1456	0.7271
Na 330.237	96453.0	97301.8	97321.3
Ni 231.604	15.8021	15.1786	18.6157
Pb 220.353	1.1729	2.9750	-0.2279
Sb 206.834	4.6527	-1.7899u	1.0291
Se 196.026	18.5978	1.8564	6.9732
Sn 189.925	30.5680	28.3989	29.8874
Sr 216.596	71.3963	70.6058	70.8718
Ti 334.941	7.9589	8.0448	7.8579
Tl 190.794	3.2666u	0.5612u	-2.8727u
V 292.401	-1.4969u	-1.5163u	-1.4763u
Zn 206.200	88.2076	90.9537	87.2536

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	0.8535	ppb	0.1390	16.3	63.8843
Al 308.215	260.375	ppb	2.2211	0.9	1625.91
As 188.980	1.0424	ppb	2.4492	234.9	-1.8749
B 249.678	42.1763	ppb	0.6906	1.6	409.382
Ba 389.178	156.992	ppb	0.6093	0.4	2326.38
Be 313.042	0.0193	ppb	0.0054	28.2	-224.774
Ca 370.602	49455	ppb	177.8	0.4	86325
Cd 226.502	-0.5161	ppb	0.1567	30.4	140.555
Co 228.615	-1.2431	ppb	0.1449	11.7	3.1079
Cr 267.716	15.3384	ppb	0.0102	0.1	479.468
Cu 324.754	13.3512	ppb	0.1563	1.2	887.135
Fe 271.441	43861.6	ppb	97.2552	0.2	34219.2
K 766.491	10046.9	ppb	29.1925	0.3	284862
Mg 279.078	5445.72	ppb	18.8572	0.3	8862.77
Mn 257.610	1193.66	ppb	2.4447	0.2	147507
Mo 202.032	0.9618	ppb	0.2139	22.2	6.8881

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Na 330.237	97025.4	ppb	495.770	0.5	3415.44
Ni 231.604	16.5322	ppb	1.8312	11.1	31.2095
Pb 220.353	1.3067	ppb	1.6056	122.9	4.3247
Sb 206.834	1.2973	ppb	3.2297	249.0	3.5388
Se 196.026	9.1425	ppb	8.5789	93.8	4.8135
Sn 189.925	29.6181	ppb	1.1093	3.7	11.4221
Sr 216.596	70.9580	ppb	0.4022	0.6	514.244
Ti 334.941	7.9539	ppb	0.0936	1.2	1538.78
Tl 190.794	0.3184	ppb	3.0768	966.4	-5.2503
V 292.401	-1.4965	ppb	0.0200	1.3	-17.5603
Zn 206.200	88.8050	ppb	1.9210	2.2	52.2653

680-104712-a-3-a (Samp) **8/30/2014, 3:26:27 AM** **Rack 3, Tube 55**

Weight: 1 **Volume: 1** **Dilution: 1**

Label	Replicates Concentration		
Ag 328.068	0.0106u	-0.1098u	-0.2362u
Al 308.215	381.836	384.010	378.972
As 188.980	2.1680	2.3892	2.5655
B 249.678	61.3649	62.2109	62.6731
Ba 389.178	512.592	513.170	514.530
Be 313.042	-0.0219	-0.0268	-0.0294
Ca 370.602	424720	426290	423483
Cd 226.502	0.6651	0.5737	0.6337
Co 228.615	-2.6684u	-1.8052u	-2.4019u
Cr 267.716	4.0977	4.1030	4.5749
Cu 324.754	12.7742	12.1815	12.2774
Fe 271.441	44495.5	44697.3	44557.4
K 766.491	23589.7	23639.6	23578.6
Mg 279.078	15773.4	15783.0	15751.6
Mn 257.610	1447.36	1452.14	1448.55
Mo 202.032	0.8190	0.2242u	-0.6828u
Na 330.237	114348x	115043x	115818x
Ni 231.604	21.8103	28.1160	21.9337
Pb 220.353	-1.4136	-1.4077	2.3851
Sb 206.834	1.8088	-0.3300	-1.5931u
Se 196.026	0.2290	6.7851	0.6553
Sn 189.925	41.8853	47.7182	44.9921
Sr 216.596	300.337	303.395	302.148
Ti 334.941	12.0855	11.9585	12.0905
Tl 190.794	2.4595u	1.6533u	2.3892u
V 292.401	-3.9214u	-4.5411u	-4.5296u
Zn 206.200	90.7208	90.0464	90.1743

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.1118b	ppb	0.1234	110.3	5.7173
Al 308.215	381.606b	ppb	2.5270	0.7	2214.65
As 188.980	2.3742b	ppb	0.1992	8.4	-1.4001
B 249.678	62.0830b	ppb	0.6634	1.1	592.282
Ba 389.178	513.431b	ppb	0.9948	0.2	7664.73
Be 313.042	-0.0260b	ppb	0.0038	14.5	-199.747
Ca 370.602	424831b	ppb	1407	0.3	743687
Cd 226.502	0.6242b	ppb	0.0464	7.4	169.790
Co 228.615	-2.2918b	ppb	0.4420	19.3	-2.7555

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Cr 267.716	4.2586b	ppb	0.2740	6.4	155.284
Cu 324.754	12.4110b	ppb	0.3182	2.6	849.541
Fe 271.441	44583.4b	ppb	103.401	0.2	34782.3
K 766.491	23602.6b	ppb	32.4811	0.1	668976
Mg 279.078	15769.3b	ppb	16.1081	0.1	25665.8
Mn 257.610	1449.35b	ppb	2.4900	0.2	179124
Mo 202.032	0.1201b	ppb	0.7563	629.6	3.5205
Na 330.237	115070xb	ppb	735.483	0.6	4048.61
Ni 231.604	23.9533b	ppb	3.6055	15.1	44.9323
Pb 220.353	-0.1454b	ppb	2.1915	1507.2	3.0791
Sb 206.834	-0.0381b	ppb	1.7196	4510.4	2.3256
Se 196.026	2.5565b	ppb	3.6683	143.5	3.1640
Sn 189.925	44.8652b	ppb	2.9185	6.5	18.0998
Sr 216.596	301.960b	ppb	1.5378	0.5	2137.99
Ti 334.941	12.0448b	ppb	0.0748	0.6	2331.15
Tl 190.794	2.1674b	ppb	0.4466	20.6	-4.1098
V 292.401	-4.3307b	ppb	0.3545	8.2	-54.7706
Zn 206.200	90.3138b	ppb	0.3582	0.4	53.1726

680-104712-a-4-a (Samp) **8/30/2014, 3:30:46 AM** **Rack 3, Tube 56**

Weight: 1 **Volume: 1** **Dilution: 1**

Label	Replicates Concentration		
Ag 328.068	-0.3427u	-0.0318u	0.0374u
Al 308.215	403.334	405.264	402.719
As 188.980	4.2954	5.5248	3.3504
B 249.678	61.5709	61.8506	62.3406
Ba 389.178	628.066	627.297	628.410
Be 313.042	-0.0189	-0.0372	-0.0246
Ca 370.602	434081	435924	435917
Cd 226.502	0.7721	0.8471	0.9027
Co 228.615	-2.2069u	-1.8268u	-2.8200u
Cr 267.716	4.9442	5.1278	5.2697
Cu 324.754	13.0884	12.8467	12.9169
Fe 271.441	45140.5	45079.1	45091.4
K 766.491	23449.6	23346.8	23338.2
Mg 279.078	16119.6	16116.0	16178.0
Mn 257.610	1471.11	1469.58	1471.74
Mo 202.032	0.4436	0.0034u	0.4599
Na 330.237	117715x	117158x	118703x
Ni 231.604	5.4091	1.0112	4.1195
Pb 220.353	1.0196	2.2537	-2.1613u
Sb 206.834	0.3148	2.1858	1.0676
Se 196.026	-4.3540u	-1.3585	-0.4239
Sn 189.925	16.1607	27.4012	23.0608
Sr 216.596	311.367	310.499	311.399
Ti 334.941	12.4772	12.2591	12.0690
Tl 190.794	-0.3282u	0.5391u	-5.0511u
V 292.401	-4.4544u	-4.7439u	-4.7279u
Zn 206.200	91.4868	89.5175	92.2202

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.1124b	ppb	0.2025	180.2	5.4513
Al 308.215	403.772b	ppb	1.3280	0.3	2322.86

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
As 188.980	4.3902b	ppb	1.0903	24.8	-0.6805
B 249.678	61.9207b	ppb	0.3896	0.6	590.039
Ba 389.178	627.924b	ppb	0.5698	0.1	9376.86
Be 313.042	-0.0269b	ppb	0.0094	34.9	-198.238
Ca 370.602	435307b	ppb	1062	0.2	762030
Cd 226.502	0.8406b	ppb	0.0656	7.8	176.821
Co 228.615	-2.2845b	ppb	0.5011	21.9	-2.6873
Cr 267.716	5.1139b	ppb	0.1632	3.2	180.624
Cu 324.754	12.9507b	ppb	0.1243	1.0	871.371
Fe 271.441	45103.7b	ppb	32.4798	0.1	35188.3
K 766.491	23378.2b	ppb	62.0102	0.3	662616
Mg 279.078	16137.9b	ppb	34.8019	0.2	26265.5
Mn 257.610	1470.81b	ppb	1.1118	0.1	181777
Mo 202.032	0.3023b	ppb	0.2590	85.7	4.2294
Na 330.237	117859xb	ppb	782.203	0.7	4146.38
Ni 231.604	3.5132b	ppb	2.2608	64.3	7.2759
Pb 220.353	0.3707b	ppb	2.2779	614.5	3.5647
Sb 206.834	1.1894b	ppb	0.9414	79.1	3.4067
Se 196.026	-2.0455b	ppb	2.0531	100.4	1.9916
Sn 189.925	22.2076b	ppb	5.6686	25.5	8.1815
Sr 216.596	311.088b	ppb	0.5107	0.2	2202.51
Ti 334.941	12.2684b	ppb	0.2043	1.7	2374.21
Tl 190.794	-1.6134b	ppb	3.0086	186.5	-6.4544
V 292.401	-4.6421b	ppb	0.1627	3.5	-58.8438
Zn 206.200	91.0748b	ppb	1.3976	1.5	53.6146

X (Samp) **8/30/2014, 3:35:04 AM** **Rack 3, Tube 57**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Replicates Concentration		
Ag 328.068	10.6381	10.6539	10.9400
Al 308.215	202.530	196.335	202.030
As 188.980	16.2009	17.8460	19.0554
B 249.678	97.1690	95.8818	95.7394
Ba 389.178	9.3010	10.0017	8.9755
Be 313.042	4.2737	4.1977	4.2353
Ca 370.602	563.8	546.3	554.7
Cd 226.502	4.9897	4.9436	5.0138
Co 228.615	9.9201	10.4507	9.9469
Cr 267.716	10.7123	10.1053	10.2626
Cu 324.754	21.1969	20.3429	20.4746
Fe 271.441	58.2753	55.6020	58.3940
K 766.491	905.502	885.959	896.689
Mg 279.078	512.249	498.041	504.737
Mn 257.610	11.2151	10.9204	11.2030
Mo 202.032	9.7813	9.6523	9.4189
Na 330.237	1015.48	931.410	1141.11
Ni 231.604	127.167	44.9261	41.5717
Pb 220.353	7.6735	7.8926	10.2269
Sb 206.834	17.2295	23.4640	18.1215
Se 196.026	19.2088	28.1276	11.9081
Sn 189.925	46.8206	47.4274	47.2363
Sr 216.596	9.4498	9.3441	10.0175
Ti 334.941	10.4394	10.0905	10.1430

Label	Replicates Concentration		
Tl 190.794	21.9545	20.9493	20.2962
V 292.401	10.6632	10.2294	10.6875
Zn 206.200	22.5009	19.2212	20.9281

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	10.7440	ppb	0.1699	1.6	610.454
Al 308.215	200.298	ppb	3.4416	1.7	1282.47
As 188.980	17.7008	ppb	1.4328	8.1	4.2394
B 249.678	96.2634	ppb	0.7875	0.8	964.808
Ba 389.178	9.4261	ppb	0.5244	5.6	99.8447
Be 313.042	4.2356	ppb	0.0380	0.9	3906.16
Ca 370.602	554.9	ppb	8.721	1.6	995.4
Cd 226.502	4.9823	ppb	0.0356	0.7	120.379
Co 228.615	10.1059	ppb	0.2989	3.0	65.7139
Cr 267.716	10.3600	ppb	0.3150	3.0	317.916
Cu 324.754	20.6715	ppb	0.4598	2.2	1171.09
Fe 271.441	57.4238	ppb	1.5788	2.7	41.3695
K 766.491	896.050	ppb	9.7867	1.1	25565.1
Mg 279.078	505.009	ppb	7.1082	1.4	834.152
Mn 257.610	11.1128	ppb	0.1667	1.5	1406.53
Mo 202.032	9.6175	ppb	0.1837	1.9	42.5026
Na 330.237	1029.33	ppb	105.534	10.3	54.2013
Ni 231.604	71.2217	ppb	48.4794	68.1	129.817
Pb 220.353	8.5977	ppb	1.4152	16.5	9.0489
Sb 206.834	19.6050	ppb	3.3716	17.2	18.5141
Se 196.026	19.7482	ppb	8.1232	41.1	7.1588
Sn 189.925	47.1614	ppb	0.3103	0.7	19.0857
Sr 216.596	9.6038	ppb	0.3621	3.8	64.5590
Ti 334.941	10.2243	ppb	0.1881	1.8	1967.96
Tl 190.794	21.0667	ppb	0.8353	4.0	10.3475
V 292.401	10.5267	ppb	0.2578	2.4	134.022
Zn 206.200	20.8834	ppb	1.6403	7.9	12.4920

CRI (Samp) **8/30/2014, 3:39:22 AM** **Rack 3, Tube 58**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Replicates Concentration		
Ag 328.068	10.6234	10.7475	10.6337
Al 308.215	194.744	201.987	196.688
As 188.980	23.0234	19.1765	22.2272
B 249.678	95.3715	98.8152	96.3286
Ba 389.178	9.4017	10.4292	9.8854
Be 313.042	4.1832	4.2796	4.1865
Ca 370.602	511.2	520.0	510.7
Cd 226.502	5.0617	5.0077	5.0744
Co 228.615	10.8442	9.0249	9.8965
Cr 267.716	10.2705	10.4097	9.9447
Cu 324.754	20.0725	20.2480	19.6217
Fe 271.441	50.9500	54.7398	50.0288
K 766.491	882.942	893.124	876.108
Mg 279.078	497.099	508.666	495.925
Mn 257.610	10.9520	11.1329	10.8804
Mo 202.032	9.6600	10.4246	10.3765
Na 330.237	953.394	1132.67	999.464

Label	Replicates Concentration		
Ni 231.604	93.2569	78.8612	75.1854
Pb 220.353	6.9648	12.6253	12.2977
Sb 206.834	22.9248	22.7062	17.7312
Se 196.026	27.3337	13.4634	11.5524
Sn 189.925	46.7965	46.4987	46.6085
Sr 216.596	9.5466	9.9499	10.0141
Ti 334.941	10.1553	10.3441	10.1459
Tl 190.794	20.1035	27.0526	22.5590
V 292.401	10.4418	10.2955	10.0156
Zn 206.200	19.5039	20.5433	20.9882

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	10.6682	ppb	0.0689	0.6	606.284
Al 308.215	197.806	ppb	3.7484	1.9	1270.38
As 188.980	21.4757	ppb	2.0306	9.5	5.5906
B 249.678	96.8384	ppb	1.7776	1.8	970.135
Ba 389.178	9.9054	ppb	0.5140	5.2	107.006
Be 313.042	4.2164	ppb	0.0547	1.3	3887.29
Ca 370.602	514.0	ppb	5.248	1.0	923.7
Cd 226.502	5.0479	ppb	0.0354	0.7	121.894
Co 228.615	9.9219	ppb	0.9099	9.2	64.6660
Cr 267.716	10.2083	ppb	0.2387	2.3	313.461
Cu 324.754	19.9808	ppb	0.3231	1.6	1143.35
Fe 271.441	51.9062	ppb	2.4968	4.8	37.0376
K 766.491	884.058	ppb	8.5624	1.0	25225.3
Mg 279.078	500.564	ppb	7.0412	1.4	826.917
Mn 257.610	10.9884	ppb	0.1301	1.2	1391.14
Mo 202.032	10.1537	ppb	0.4283	4.2	44.6357
Na 330.237	1028.51	ppb	93.0983	9.1	54.1756
Ni 231.604	82.4345	ppb	9.5510	11.6	150.490
Pb 220.353	10.6293	ppb	3.1777	29.9	10.8642
Sb 206.834	21.1207	ppb	2.9375	13.9	19.8290
Se 196.026	17.4499	ppb	8.6129	49.4	6.5705
Sn 189.925	46.6346	ppb	0.1506	0.3	18.8550
Sr 216.596	9.8369	ppb	0.2535	2.6	65.9246
Ti 334.941	10.2151	ppb	0.1118	1.1	1966.19
Tl 190.794	23.2383	ppb	3.5240	15.2	11.6706
V 292.401	10.2510	ppb	0.2165	2.1	130.312
Zn 206.200	20.3451	ppb	0.7617	3.7	12.1681

Cont Calib Verif (CCV) **8/30/2014, 3:43:40 AM** **Rack 4, Tube 1**

Weight: 1 **Volume: 1** **Dilution: 1**

Label	Replicates Concentration		
Ag 328.068	506.208	508.357	506.566
Al 308.215	4821.10	4847.40	4824.82
As 188.980	470.187	476.913	467.590
B 249.678	484.634	491.947	490.622
Ba 389.178	5021.64	5048.59	5026.38
Be 313.042	510.417	512.640	510.251
Ca 370.602	4984	5013	4974
Cd 226.502	490.263	490.902	489.184
Co 228.615	500.623	500.187	494.051
Cr 267.716	4985.68	5011.70	4979.03

Label	Replicates Concentration		
Cu 324.754	4690.78	4673.25	4617.53
Fe 271.441	4951.70	4976.24	4933.24
K 766.491	8569.94	8588.78	8548.27
Mg 279.078	4881.84	4935.64	4913.96
Mn 257.610	5090.77	5164.58	5160.79
Mo 202.032	495.066	498.138	495.041
Na 330.237	7610.51	7576.74	7583.13
Ni 231.604	2446.08	2468.78	2445.79
Pb 220.353	484.278	483.752	474.469
Sb 206.834	955.935	962.979	946.628
Se 196.026	4735.51	4746.96	4735.29
Sn 189.925	4903.06	4964.69	4922.92
Sr 216.596	2466.56	2480.62	2463.71
Ti 334.941	490.233	492.861	491.853
Tl 190.794	4838.79	4842.98	4821.29
V 292.401	4846.85	4849.17	4814.39
Zn 206.200	2465.46	2454.63	2434.42

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Ag 328.068	507.044	ppb	1.1516	0.2	27888.8	101.40878
Al 308.215	4831.11	ppb	14.2318	0.3	24110.2	96.62215
As 188.980	471.563	ppb	4.8113	1.0	166.638	94.31264
B 249.678	489.068	ppb	3.8965	0.8	4594.40	97.81351
Ba 389.178	5032.20	ppb	14.3918	0.3	75200.1	100.64407
Be 313.042	511.103	ppb	1.3341	0.3	500977	102.22057
Ca 370.602	4990	ppb	20.15	0.4	8962	99.80521
Cd 226.502	490.116	ppb	0.8681	0.2	11446.6	98.02325
Co 228.615	498.287	ppb	3.6751	0.7	2828.71	99.65740
Cr 267.716	4992.14	ppb	17.2666	0.3	146541	99.84280
Cu 324.754	4660.52	ppb	38.2447	0.8	187595	93.21041
Fe 271.441	4953.72	ppb	21.5711	0.4	3914.77	99.07446
K 766.491	8569.00	ppb	20.2729	0.2	242985	85.68999Q
Mg 279.078	4910.48	ppb	27.0681	0.6	7941.86	98.20962
Mn 257.610	5138.71	ppb	41.5626	0.8	634519	102.77425
Mo 202.032	496.082	ppb	1.7808	0.4	1974.33	99.21630
Na 330.237	7590.12	ppb	17.9407	0.2	264.586	101.20166
Ni 231.604	2453.55	ppb	13.1905	0.5	4521.71	98.14185
Pb 220.353	480.833	ppb	5.5175	1.1	433.549	96.16664
Sb 206.834	955.180	ppb	8.2016	0.9	864.491	95.51802
Se 196.026	4739.25	ppb	6.6761	0.1	1215.94	94.78500
Sn 189.925	4930.22	ppb	31.4594	0.6	2156.72	98.60449
Sr 216.596	2470.30	ppb	9.0544	0.4	16467.0	98.81197
Ti 334.941	491.649	ppb	1.3258	0.3	93912.5	98.32985
Tl 190.794	4834.35	ppb	11.5037	0.2	2952.19	96.68705
V 292.401	4836.81	ppb	19.4462	0.4	64152.5	96.73615
Zn 206.200	2451.51	ppb	15.7524	0.6	1467.22	98.06023

Cont Calib Blank (CCB) **8/30/2014, 3:47:59 AM** **Rack 4, Tube 2**

Weight: 1 **Volume: 1** **Dilution: 1**

Label	Replicates Concentration		
Ag 328.068	-0.1253u	0.0629	0.2124
Al 308.215	-0.3646u	0.9326	1.1935
As 188.980	-2.2872u	-3.1094u	-7.1991u

Label	Replicates Concentration		
B 249.678	5.3249	4.1583	3.3073
Ba 389.178	0.7988	0.9567	0.4599
Be 313.042	0.0302	0.0313	0.0381
Ca 370.602	3.333	6.077	-1.123u
Cd 226.502	0.0126	-0.0709u	0.0482
Co 228.615	-0.4890u	0.0358	-0.6984u
Cr 267.716	0.4152	0.4769	0.3681
Cu 324.754	-0.8991u	-0.8201u	-0.8854u
Fe 271.441	-6.7630u	1.2487	0.6337
K 766.491	0.0333	-0.1885u	-0.4010u
Mg 279.078	-1.7065u	-1.3753u	-3.9886u
Mn 257.610	0.3651	0.3529	0.3882
Mo 202.032	1.1776	-0.0070u	-0.4387u
Na 330.237	-53.3289u	-60.4272u	-142.269u
Ni 231.604	0.9565	0.5889	1.2215
Pb 220.353	-0.0108u	-1.2427u	-1.8495u
Sb 206.834	-1.9604u	-1.3078u	4.9394
Se 196.026	1.7214	4.8099	1.7091
Sn 189.925	1.9278	-3.2568u	-1.9303u
Sr 216.596	-0.3394u	-0.3353u	0.1378
Ti 334.941	-0.0354u	-0.0454u	-0.0515u
Tl 190.794	-4.6624u	0.2190	1.5448
V 292.401	0.4907	0.2561	0.1973
Zn 206.200	1.0461	0.8009	-1.1919u

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Ag 328.068	0.0500	ppb	0.1692	338.2	22.2256	0.05003
Al 308.215	0.5872	ppb	0.8345	142.1	312.719	0.58719
As 188.980	-4.1986	ppb	2.6308	62.7	-3.5991	-4.19855
B 249.678	4.2635	ppb	1.0129	23.8	114.964	4.26346
Ba 389.178	0.7384	ppb	0.2538	34.4	-30.5624	0.73845
Be 313.042	0.0332	ppb	0.0043	13.0	-213.733	0.03318
Ca 370.602	2.762	ppb	3.633	131.5	25.85	2.76241
Cd 226.502	-0.0034	ppb	0.0611	1802.4	3.9698	-0.00339
Co 228.615	-0.3838	ppb	0.3782	98.5	6.4229	-0.38385
Cr 267.716	0.4200	ppb	0.0546	13.0	26.1508	0.42004
Cu 324.754	-0.8682	ppb	0.0422	4.9	305.397	-0.86817
Fe 271.441	-1.6269	ppb	4.4587	274.1	-5.3950	-1.62687
K 766.491	-0.1854	ppb	0.2171	117.1	169.461	-0.18537
Mg 279.078	-2.3568	ppb	1.4229	60.4	8.3698	-2.35682
Mn 257.610	0.3687	ppb	0.0179	4.9	77.7039	0.36873
Mo 202.032	0.2440	ppb	0.8368	343.0	5.2252	0.24396
Na 330.237	-85.3417	ppb	49.4280	57.9	15.2554	-85.34165
Ni 231.604	0.9223	ppb	0.3177	34.4	0.2172	0.92226
Pb 220.353	-1.0343	ppb	0.9369	90.6	0.4458	-1.03431
Sb 206.834	0.5571	ppb	3.8092	683.8	1.9277	0.55707
Se 196.026	2.7468	ppb	1.7867	65.0	2.8052	2.74682
Sn 189.925	-1.0864	ppb	2.6933	247.9	-2.0358	-1.08644
Sr 216.596	-0.1789	ppb	0.2743	153.3	0.1748	-0.17894
Ti 334.941	-0.0441	ppb	0.0082	18.5	6.4305	-0.04410
Tl 190.794	-0.9662	ppb	3.2689	338.3	-3.1028	-0.96619
V 292.401	0.3147	ppb	0.1553	49.3	-0.8555	0.31472
Zn 206.200	0.2184	ppb	1.2275	562.1	0.0693	0.21836

mb 680-346581/1-a (Samp) **8/30/2014, 3:52:18 AM** **Rack 4, Tube 3**

Weight: 1 **Volume: 1** **Dilution: 1**

Label	Replicates Concentration		
Ag 328.068	0.0608	-0.1042u	-0.1607u
Al 308.215	2.2846	1.8629	3.2123
As 188.980	-1.4816u	2.1489	-8.0626u
B 249.678	-1.4772u	-1.9741u	-2.3000u
Ba 389.178	0.0781	0.5968	0.3933
Be 313.042	0.0053	0.0098	0.0003
Ca 370.602	0.1948	2.776	2.341
Cd 226.502	-0.0291u	-0.1579u	-0.1137u
Co 228.615	-0.6647u	-0.0005	-0.2905u
Cr 267.716	-0.0782u	0.1018	0.1260
Cu 324.754	-0.9497u	-0.7967u	-0.9867u
Fe 271.441	2.2965	1.9843	-5.8579u
K 766.491	0.4402	0.7675	0.1769
Mg 279.078	-1.3025u	0.4161	3.3346
Mn 257.610	0.0567	0.1854	0.1645
Mo 202.032	-0.4368u	-0.1141u	-0.2637u
Na 330.237	-193.847u	-9.8394u	-200.808u
Ni 231.604	-0.1718u	-1.3425u	1.0964
Pb 220.353	-3.6598u	1.1839	-1.3648u
Sb 206.834	-1.7624u	-4.4446u	-0.2603u
Se 196.026	4.6919	0.8700	-0.2198u
Sn 189.925	3.2828	-1.9641u	-0.3624u
Sr 216.596	-0.3344u	0.0732	-0.2714u
Ti 334.941	-0.0279u	-0.0117u	-0.0807u
Tl 190.794	1.9661	-2.9513u	-1.3802u
V 292.401	0.2819	0.0598	0.5491
Zn 206.200	0.2498	1.7806	-0.5998u

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.0680	ppb	0.1151	169.2	15.7327
Al 308.215	2.4533	ppb	0.6903	28.1	321.735
As 188.980	-2.4651	ppb	5.1763	210.0	-2.9786
B 249.678	-1.9171	ppb	0.4143	21.6	57.8634
Ba 389.178	0.3561	ppb	0.2613	73.4	-36.2802
Be 313.042	0.0051	ppb	0.0047	92.2	-241.210
Ca 370.602	1.771	ppb	1.382	78.0	24.12
Cd 226.502	-0.1002	ppb	0.0654	65.3	1.7042
Co 228.615	-0.3186	ppb	0.3330	104.5	6.7961
Cr 267.716	0.0499	ppb	0.1116	223.8	15.2839
Cu 324.754	-0.9110	ppb	0.1007	11.1	303.667
Fe 271.441	-0.5257	ppb	4.6204	879.0	-4.5319
K 766.491	0.4615	ppb	0.2959	64.1	187.792
Mg 279.078	0.8160	ppb	2.3443	287.3	13.5375
Mn 257.610	0.1355	ppb	0.0691	51.0	48.9113
Mo 202.032	-0.2716	ppb	0.1615	59.5	3.1748
Na 330.237	-134.832	ppb	108.302	80.3	13.5221
Ni 231.604	-0.1393	ppb	1.2198	875.8	-1.7402
Pb 220.353	-1.2802	ppb	2.4230	189.3	0.2260
Sb 206.834	-2.1558	ppb	2.1197	98.3	-0.4352
Se 196.026	1.7807	ppb	2.5794	144.8	2.5578
Sn 189.925	0.3188	ppb	2.6889	843.5	-1.4206
Sr 216.596	-0.1775	ppb	0.2194	123.6	0.2002

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ti 334.941	-0.0401	ppb	0.0361	90.0	7.1961
Tl 190.794	-0.7885	ppb	2.5115	318.5	-2.9935
V 292.401	0.2969	ppb	0.2450	82.5	-1.0512
Zn 206.200	0.4769	ppb	1.2063	253.0	0.2256

llcs 680-346581/2-a (Samp) **8/30/2014, 3:56:37 AM** **Rack 4, Tube 4**

Weight: 1 **Volume: 1** **Dilution: 1**

Label	Replicates Concentration		
Ag 328.068	11.1927	11.1414	11.1985
Al 308.215	211.609	208.253	208.388
As 188.980	16.0751	17.1952	21.8703
B 249.678	100.446	101.228	101.002
Ba 389.178	10.4320	11.0245	10.4105
Be 313.042	4.2811	4.2483	4.2818
Ca 370.602	551.3	545.7	550.7
Cd 226.502	5.2762	5.4045	5.4033
Co 228.615	9.5326	9.0051	10.4796
Cr 267.716	10.6939	10.9739	10.7033
Cu 324.754	19.0221	18.7156	19.1528
Fe 271.441	52.8661	56.3180	49.4607
K 766.491	935.651	923.120	929.331
Mg 279.078	529.466	521.974	526.605
Mn 257.610	11.4683	11.3315	11.3586
Mo 202.032	9.8621	10.3060	10.9577
Na 330.237	1018.73	1024.76	1107.47
Ni 231.604	43.5001	42.5389	45.0210
Pb 220.353	9.9770	9.7821	13.9706
Sb 206.834	20.3396	23.4969	18.9409
Se 196.026	20.5390	28.2656	21.5630
Sn 189.925	49.2828	53.7392	52.2983
Sr 216.596	10.9915	10.7550	10.8517
Ti 334.941	10.7854	10.6770	10.7846
Tl 190.794	26.2558	26.7167	23.9689
V 292.401	9.9988	9.7745	10.2649
Zn 206.200	23.2604	20.8869	23.1434

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	11.1775	ppb	0.0314	0.3	634.281
Al 308.215	209.417	ppb	1.8996	0.9	1326.70
As 188.980	18.3802	ppb	3.0740	16.7	4.4826
B 249.678	100.892	ppb	0.4027	0.4	1007.58
Ba 389.178	10.6223	ppb	0.3485	3.3	117.749
Be 313.042	4.2704	ppb	0.0191	0.4	3940.22
Ca 370.602	549.2	ppb	3.070	0.6	985.6
Cd 226.502	5.3613	ppb	0.0737	1.4	129.202
Co 228.615	9.6725	ppb	0.7471	7.7	63.2583
Cr 267.716	10.7903	ppb	0.1590	1.5	330.547
Cu 324.754	18.9635	ppb	0.2244	1.2	1102.48
Fe 271.441	52.8816	ppb	3.4287	6.5	37.8272
K 766.491	929.367	ppb	6.2656	0.7	26509.2
Mg 279.078	526.015	ppb	3.7804	0.7	868.343
Mn 257.610	11.3861	ppb	0.0725	0.6	1440.36
Mo 202.032	10.3752	ppb	0.5511	5.3	45.5169

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Na 330.237	1050.32	ppb	49.5836	4.7	54.9249
Ni 231.604	43.6866	ppb	1.2515	2.9	79.0497
Pb 220.353	11.2433	ppb	2.3640	21.0	11.4129
Sb 206.834	20.9258	ppb	2.3339	11.2	19.6622
Se 196.026	23.4559	ppb	4.1967	17.9	8.1080
Sn 189.925	51.7734	ppb	2.2741	4.4	21.1046
Sr 216.596	10.8660	ppb	0.1189	1.1	73.3994
Ti 334.941	10.7490	ppb	0.0624	0.6	2068.19
Tl 190.794	25.6472	ppb	1.4716	5.7	13.1408
V 292.401	10.0128	ppb	0.2455	2.5	127.123
Zn 206.200	22.4302	ppb	1.3378	6.0	13.4223

lcs 680-346581/3-a (Samp) **8/30/2014, 4:00:56 AM** **Rack 4, Tube 5**

Weight: 1 **Volume: 1** **Dilution: 1**

Label	Replicates Concentration		
Ag 328.068	22.3586	22.3766	22.6886
Al 308.215	2005.90	1986.88	2017.45
As 188.980	37.6800	44.7867	37.8342
B 249.678	78.6375	78.1644	79.4198
Ba 389.178	42.3070	41.8661	42.4341
Be 313.042	20.8861	20.7180	21.0500
Ca 370.602	2106	2088	2121
Cd 226.502	20.9185	20.7803	20.8430
Co 228.615	19.9487	20.0120	20.6048
Cr 267.716	42.0381	41.9041	42.4315
Cu 324.754	36.2259	36.7912	36.6625
Fe 271.441	2018.65	2006.00	2061.47
K 766.491	1824.15	1810.65	1841.08
Mg 279.078	2050.54	2030.14	2060.15
Mn 257.610	217.464	215.718	219.034
Mo 202.032	40.9622	40.6610	40.6993
Na 330.237	1977.33	2023.11	1987.52
Ni 231.604	44.1257	41.3812	40.8924
Pb 220.353	21.6557	19.4511	17.6203
Sb 206.834	22.2656	20.7189	21.0805
Se 196.026	38.6485	36.8980	33.0069
Sn 189.925	83.0118	80.8511	77.7740
Sr 216.596	40.6748	41.7903	42.0036
Ti 334.941	41.6483	41.4325	41.9857
Tl 190.794	15.1319	17.3410	16.0826
V 292.401	38.3362	39.5212	39.6200
Zn 206.200	46.0725	41.1207	40.4804

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	22.4746	ppb	0.1855	0.8	1255.68
Al 308.215	2003.41	ppb	15.4363	0.8	10033.6
As 188.980	40.1003	ppb	4.0593	10.1	12.2559
B 249.678	78.7406	ppb	0.6340	0.8	800.426
Ba 389.178	42.2024	ppb	0.2981	0.7	592.130
Be 313.042	20.8847	ppb	0.1660	0.8	20228.8
Ca 370.602	2105	ppb	16.88	0.8	3707
Cd 226.502	20.8472	ppb	0.0692	0.3	497.038
Co 228.615	20.1885	ppb	0.3619	1.8	122.733

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Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Cr 267.716	42.1246	ppb	0.2741	0.7	1251.21
Cu 324.754	36.5599	ppb	0.2963	0.8	1810.48
Fe 271.441	2028.71	ppb	29.0714	1.4	1580.27
K 766.491	1825.29	ppb	15.2467	0.8	51895.9
Mg 279.078	2046.94	ppb	15.3230	0.7	3341.37
Mn 257.610	217.405	ppb	1.6583	0.8	26886.7
Mo 202.032	40.7741	ppb	0.1640	0.4	166.361
Na 330.237	1995.98	ppb	24.0376	1.2	87.5819
Ni 231.604	42.1331	ppb	1.7429	4.1	76.2721
Pb 220.353	19.5757	ppb	2.0206	10.3	18.9260
Sb 206.834	21.3550	ppb	0.8091	3.8	19.9905
Se 196.026	36.1845	ppb	2.8877	8.0	11.4025
Sn 189.925	80.5457	ppb	2.6322	3.3	33.7003
Sr 216.596	41.4896	ppb	0.7136	1.7	279.429
Ti 334.941	41.6888	ppb	0.2788	0.7	7978.78
Tl 190.794	16.1852	ppb	1.1081	6.8	7.2644
V 292.401	39.1591	ppb	0.7144	1.8	512.089
Zn 206.200	42.5578	ppb	3.0605	7.2	25.4349

680-104685-b-1-a (Samp) **8/30/2014, 4:05:15 AM** **Rack 4, Tube 6**

Weight: 1 **Volume: 1** **Dilution: 1**

Label	Replicates Concentration		
Ag 328.068	-0.0320u	-0.2879u	-0.2191u
Al 308.215	187.502	185.428	183.768
As 188.980	-1.7597u	-3.6390u	-2.6708u
B 249.678	456.435	457.400	457.884
Ba 389.178	30.0708	29.7936	28.7904
Be 313.042	-0.0138u	-0.0081	-0.0103u
Ca 370.602	78171	78100	78350
Cd 226.502	-0.1365u	-0.1428u	0.0225
Co 228.615	0.3927	-0.5396u	-0.4112u
Cr 267.716	0.9316	1.0371	1.4104
Cu 324.754	-0.3295u	-0.1353u	-0.0578u
Fe 271.441	107.423	119.450	111.535
K 766.491	4297.79	4283.33	4313.14
Mg 279.078	19020.0	19008.7	18981.9
Mn 257.610	1.2007	1.1984	1.3405
Mo 202.032	10.4226	9.5305	9.6999
Na 330.237	59085.2	58894.8	59021.9
Ni 231.604	1.0819	16.5486	11.6013
Pb 220.353	0.0267	0.4005	1.9338
Sb 206.834	1.0020	-2.6432u	1.2600
Se 196.026	-7.0595u	-0.4698u	-7.7178u
Sn 189.925	-1.6934u	4.6631	-5.8031u
Sr 216.596	1655.42	1636.04	1626.20
Ti 334.941	8.1324	7.7411	8.6803
Tl 190.794	-5.2330u	1.3184	-4.0091u
V 292.401	-0.1670u	-0.0267u	-0.0127u
Zn 206.200	16.3382	13.3103	10.8575

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.1797	ppb	0.1324	73.7	-26.4884
Al 308.215	185.566	ppb	1.8708	1.0	1210.41

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
As 188.980	-2.6898	ppb	0.9398	34.9	-3.0599
B 249.678	457.240	ppb	0.7378	0.2	4298.74
Ba 389.178	29.5516	ppb	0.6736	2.3	417.924
Be 313.042	-0.0107	ppb	0.0029	26.7	-246.764
Ca 370.602	78207	ppb	128.4	0.2	136980
Cd 226.502	-0.0856	ppb	0.0937	109.4	2.3849
Co 228.615	-0.1860	ppb	0.5053	271.6	7.5061
Cr 267.716	1.1264	ppb	0.2516	22.3	47.5201
Cu 324.754	-0.1742	ppb	0.1400	80.3	333.520
Fe 271.441	112.803	ppb	6.1133	5.4	83.9194
K 766.491	4298.09	ppb	14.9102	0.3	121965
Mg 279.078	19003.5	ppb	19.5975	0.1	30948.7
Mn 257.610	1.2466	ppb	0.0814	6.5	269.135
Mo 202.032	9.8843	ppb	0.4738	4.8	43.5689
Na 330.237	59000.7	ppb	96.9544	0.2	2088.94
Ni 231.604	9.7439	ppb	7.8989	81.1	16.4869
Pb 220.353	0.7870	ppb	1.0106	128.4	2.0670
Sb 206.834	-0.1271	ppb	2.1828	1717.8	1.2360
Se 196.026	-5.0824	ppb	4.0082	78.9	0.8018
Sn 189.925	-0.9444	ppb	5.2731	558.3	-1.9635
Sr 216.596	1639.22	ppb	14.8685	0.9	10967.8
Ti 334.941	8.1846	ppb	0.4718	5.8	1596.89
Tl 190.794	-2.6412	ppb	3.4833	131.9	-4.1501
V 292.401	-0.0688	ppb	0.0853	124.0	-6.7551
Zn 206.200	13.5020	ppb	2.7454	20.3	8.0623

680-104685-b-1-b ms (Samp) **8/30/2014, 4:09:34 AM** **Rack 4, Tube 7**

Weight: 1 **Volume: 1** **Dilution: 1**

Label	Replicates Concentration		
Ag 328.068	23.6401	23.9900	23.6750
Al 308.215	2409.69	2399.87	2393.50
As 188.980	35.0688	43.8015	45.1496
B 249.678	565.679	568.706	567.895
Ba 389.178	75.3404	74.0621	75.2005
Be 313.042	21.7978	21.8587	21.8550
Ca 370.602	84041	84218	83994
Cd 226.502	21.8367	22.0089	21.4140
Co 228.615	20.7922	21.1846	20.3268
Cr 267.716	45.1024	45.2708	45.1238
Cu 324.754	37.9711	38.1708	38.4328
Fe 271.441	2189.87	2185.12	2183.33
K 766.491	5510.42	5471.66	5468.06
Mg 279.078	21882.9	21844.8	21770.4
Mn 257.610	225.053	225.025	224.519
Mo 202.032	53.4850	52.8582	53.8024
Na 330.237	64779.6	63954.4	64440.5
Ni 231.604	48.2237	43.9068	44.6031
Pb 220.353	20.7052	22.9610	20.5797
Sb 206.834	21.0854	22.0297	25.5851
Se 196.026	46.4903	45.6467	41.0527
Sn 189.925	83.2236	85.8305	90.2402
Sr 216.596	1741.05	1739.71	1720.31
Ti 334.941	53.6059	55.3364	53.4603

Label	Replicates Concentration		
Tl 190.794	15.7439	14.0648	11.0441
V 292.401	39.8514	40.5060	39.8036
Zn 206.200	53.3013	55.6330	54.0464

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	23.7684	ppb	0.1927	0.8	1290.33
Al 308.215	2401.02	ppb	8.1526	0.3	11962.9
As 188.980	41.3400	ppb	5.4727	13.2	12.6995
B 249.678	567.426	ppb	1.5669	0.3	5313.99
Ba 389.178	74.8677	ppb	0.7011	0.9	1098.92
Be 313.042	21.8372	ppb	0.0342	0.2	21172.7
Ca 370.602	84084	ppb	118.3	0.1	147272
Cd 226.502	21.7532	ppb	0.3061	1.4	518.629
Co 228.615	20.7679	ppb	0.4294	2.1	125.981
Cr 267.716	45.1657	ppb	0.0917	0.2	1341.17
Cu 324.754	38.1916	ppb	0.2315	0.6	1876.35
Fe 271.441	2186.11	ppb	3.3790	0.2	1703.08
K 766.491	5483.38	ppb	23.4840	0.4	155551
Mg 279.078	21832.7	ppb	57.2058	0.3	35551.2
Mn 257.610	224.866	ppb	0.3007	0.1	27894.2
Mo 202.032	53.3819	ppb	0.4805	0.9	216.507
Na 330.237	64391.5	ppb	414.804	0.6	2277.40
Ni 231.604	45.5779	ppb	2.3177	5.1	82.6313
Pb 220.353	21.4153	ppb	1.3401	6.3	20.5618
Sb 206.834	22.9001	ppb	2.3727	10.4	21.2277
Se 196.026	44.3966	ppb	2.9264	6.6	13.5065
Sn 189.925	86.4315	ppb	3.5467	4.1	36.2875
Sr 216.596	1733.69	ppb	11.6088	0.7	11600.3
Ti 334.941	54.1342	ppb	1.0437	1.9	10375.3
Tl 190.794	13.6176	ppb	2.3816	17.5	5.6655
V 292.401	40.0537	ppb	0.3925	1.0	522.935
Zn 206.200	54.3269	ppb	1.1909	2.2	32.5116

680-104685-b-1-c msd (Samp) **8/30/2014, 4:13:53 AM** **Rack 4, Tube 8**

Weight: 1 **Volume: 1** **Dilution: 1**

Label	Replicates Concentration		
Ag 328.068	23.9348	23.9085	23.7590
Al 308.215	2395.97	2368.64	2376.84
As 188.980	39.3696	39.5466	52.0288
B 249.678	575.252	568.812	572.766
Ba 389.178	74.6089	74.6038	73.9048
Be 313.042	21.6907	21.3840	21.5878
Ca 370.602	84966	84079	84995
Cd 226.502	21.6330	21.0773	21.1330
Co 228.615	20.6481	19.9552	19.7518
Cr 267.716	44.7219	44.4725	44.7389
Cu 324.754	36.7574	36.3902	36.6253
Fe 271.441	2137.69	2134.51	2151.35
K 766.491	5349.12	5287.16	5277.73
Mg 279.078	21908.5	21719.2	21792.1
Mn 257.610	222.752	220.190	222.022
Mo 202.032	52.6871	50.6718	52.4426
Na 330.237	64256.2	63778.8	63494.4

Label	Replicates Concentration		
Ni 231.604	44.8745	43.6226	46.7232
Pb 220.353	18.8216	19.2828	24.0737
Sb 206.834	22.6505	18.0770	23.4387
Se 196.026	56.8250	35.2113	41.1879
Sn 189.925	78.0713	88.7305	82.5813
Sr 216.596	1732.86	1720.50	1731.85
Ti 334.941	53.0985	52.8468	52.8957
Tl 190.794	15.0386	18.2077	18.7604
V 292.401	38.2817	37.7602	38.6011
Zn 206.200	55.4714	51.7287	52.2656

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	23.8674	ppb	0.0948	0.4	1295.92
Al 308.215	2380.48	ppb	14.0199	0.6	11863.0
As 188.980	43.6483	ppb	7.2583	16.6	13.5260
B 249.678	572.276	ppb	3.2475	0.6	5358.84
Ba 389.178	74.3725	ppb	0.4050	0.5	1091.46
Be 313.042	21.5542	ppb	0.1561	0.7	20895.3
Ca 370.602	84680	ppb	520.7	0.6	148315
Cd 226.502	21.2811	ppb	0.3060	1.4	507.484
Co 228.615	20.1183	ppb	0.4699	2.3	122.317
Cr 267.716	44.6444	ppb	0.1491	0.3	1325.86
Cu 324.754	36.5910	ppb	0.1860	0.5	1812.00
Fe 271.441	2141.18	ppb	8.9451	0.4	1667.97
K 766.491	5304.67	ppb	38.7860	0.7	150487
Mg 279.078	21806.6	ppb	95.4999	0.4	35508.8
Mn 257.610	221.654	ppb	1.3202	0.6	27497.5
Mo 202.032	51.9338	ppb	1.0998	2.1	210.749
Na 330.237	63843.2	ppb	384.923	0.6	2258.18
Ni 231.604	45.0734	ppb	1.5599	3.5	81.7004
Pb 220.353	20.7261	ppb	2.9083	14.0	19.9455
Sb 206.834	21.3888	ppb	2.8950	13.5	19.9227
Se 196.026	44.4081	ppb	11.1609	25.1	13.5088
Sn 189.925	83.1277	ppb	5.3506	6.4	34.8411
Sr 216.596	1728.40	ppb	6.8607	0.4	11564.8
Ti 334.941	52.9470	ppb	0.1335	0.3	10148.5
Tl 190.794	17.3356	ppb	2.0083	11.6	7.9361
V 292.401	38.2143	ppb	0.4245	1.1	498.607
Zn 206.200	53.1552	ppb	2.0238	3.8	31.8080

490-60320-a-1-a (Samp) **8/30/2014, 4:18:12 AM** **Rack 4, Tube 9**

Weight: 1 **Volume: 1** **Dilution: 1**

Label	Replicates Concentration		
Ag 328.068	-0.0252u	0.2000	-0.0641u
Al 308.215	235.715	238.890	238.404
As 188.980	-8.9555u	-11.0210u	-2.1623u
B 249.678	19.9107	18.1395	16.1058
Ba 389.178	17.3370	17.7373	17.8848
Be 313.042	0.1118u	0.1105u	0.0932u
Ca 370.602	29534	29414	29767
Cd 226.502	0.0647	-0.1340	-0.0136
Co 228.615	-3.8330u	-2.9534u	-3.7856u
Cr 267.716	0.3775	0.3793	0.4844

Label	Replicates Concentration		
Cu 324.754	18.6882	18.5944	18.7976
Fe 271.441	1564.67	1560.88	1572.40
K 766.491	1515.10	1514.13	1520.37
Mg 279.078	6302.55	6267.98	6299.08
Mn 257.610	41.9775	41.6259	41.9351
Mo 202.032	5049.04x	5033.01x	5039.09x
Na 330.237	42979.6	43028.1	43030.5
Ni 231.604	2.5676	1.8244	9.5608
Pb 220.353	2.2289u	3.9220u	4.0493u
Sb 206.834	-0.2593u	4.2536u	10.0164u
Se 196.026	-0.6474u	-6.4058u	-4.5981u
Sn 189.925	9.8536	8.6796	6.4326
Sr 216.596	80.1061	79.2919	79.8491
Ti 334.941	0.5470	0.8162	0.9567
Tl 190.794	7.2189u	13.8770u	7.5217u
V 292.401	-6.2406u	-5.4507u	-6.3324u
Zn 206.200	37.6275	35.8361	38.8316

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	0.0369b	ppb	0.1426	386.3	19.5956
Al 308.215	237.670b	ppb	1.7100	0.7	1667.06
As 188.980	-7.3796b	ppb	4.6349	62.8	-5.4978
B 249.678	18.0520b	ppb	1.9040	10.5	239.938
Ba 389.178	17.6530b	ppb	0.2834	1.6	244.672
Be 313.042	0.1051b	ppb	0.0104	9.8	-536.427
Ca 370.602	29571b	ppb	179.7	0.6	51796
Cd 226.502	-0.0276b	ppb	0.1001	362.3	8.7220
Co 228.615	-3.5240b	ppb	0.4947	14.0	-77.9338
Cr 267.716	0.4137b	ppb	0.0612	14.8	27.1121
Cu 324.754	18.6934b	ppb	0.1017	0.5	1200.68
Fe 271.441	1565.98b	ppb	5.8728	0.4	1219.76
K 766.491	1516.53b	ppb	3.3565	0.2	43147.0
Mg 279.078	6289.87b	ppb	19.0382	0.3	10251.2
Mn 257.610	41.8462b	ppb	0.1920	0.5	5228.75
Mo 202.032	5040.38xb	ppb	8.0897	0.2	20053.4
Na 330.237	43012.7b	ppb	28.7550	0.1	1527.38
Ni 231.604	4.6509b	ppb	4.2683	91.8	7.1907
Pb 220.353	3.4000b	ppb	1.0163	29.9	0.6538
Sb 206.834	4.6703b	ppb	5.1505	110.3	-47.5558
Se 196.026	-3.8838b	ppb	2.9449	75.8	1.1211
Sn 189.925	8.3219b	ppb	1.7383	20.9	2.0902
Sr 216.596	79.7490b	ppb	0.4162	0.5	508.152
Ti 334.941	0.7733b	ppb	0.2081	26.9	167.790
Tl 190.794	9.5392b	ppb	3.7597	39.4	-6.2421
V 292.401	-6.0079b	ppb	0.4847	8.1	-485.024
Zn 206.200	37.4317b	ppb	1.5073	4.0	22.4323

490-60320-a-1-aSD (Samp) **8/30/2014, 4:22:31 AM** **Rack 4, Tube 10**

Weight: 1 **Volume: 1** **Dilution: 1**

Label	Replicates Concentration		
Ag 328.068	0.0194	0.0923	0.1064
Al 308.215	52.8715	52.2853	51.3621
As 188.980	-2.1682u	-1.3822u	0.8019

Label	Replicates Concentration		
B 249.678	1.5560	1.2392	0.8273
Ba 389.178	3.4526	3.9037	4.1861
Be 313.042	0.0171u	0.0270u	0.0187u
Ca 370.602	5916	5937	5915
Cd 226.502	-0.0081	-0.0755u	-0.2732u
Co 228.615	-0.5669u	-0.6228u	-1.3972u
Cr 267.716	-0.1584u	0.0991	0.3542
Cu 324.754	1.8389	1.7211	1.9089
Fe 271.441	303.610	303.341	307.236
K 766.491	279.705	279.336	278.717
Mg 279.078	1265.94	1269.44	1267.74
Mn 257.610	8.4818	8.5571	8.4251
Mo 202.032	1027.72	1037.12	1029.89
Na 330.237	8265.85	8136.88	8126.51
Ni 231.604	0.5076	-0.7319u	-0.7794u
Pb 220.353	-0.8379u	-0.5531u	-0.4861u
Sb 206.834	-1.2810u	2.4976u	-0.0790u
Se 196.026	-3.3295u	1.4988	9.0793
Sn 189.925	-4.1434u	5.1817	-1.0431u
Sr 216.596	15.9107	16.3450	15.8573
Ti 334.941	0.1043	0.1884	0.1344
Tl 190.794	0.2568u	-1.2650u	0.8917u
V 292.401	-1.1582u	-1.0952u	-0.6178u
Zn 206.200	7.1021	9.5166	6.6427

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	0.0727	ppb	0.0467	64.2	23.0909
Al 308.215	52.1730	ppb	0.7609	1.5	604.829
As 188.980	-0.9162	ppb	1.5389	168.0	-2.5801
B 249.678	1.2075	ppb	0.3654	30.3	86.2791
Ba 389.178	3.8475	ppb	0.3700	9.6	20.4778
Be 313.042	0.0209	ppb	0.0053	25.5	-306.464
Ca 370.602	5923	ppb	12.73	0.2	10391
Cd 226.502	-0.1190	ppb	0.1378	115.8	2.3071
Co 228.615	-0.8623	ppb	0.4641	53.8	-9.9503
Cr 267.716	0.0983	ppb	0.2563	260.7	16.9329
Cu 324.754	1.8230	ppb	0.0949	5.2	435.949
Fe 271.441	304.729	ppb	2.1755	0.7	234.075
K 766.491	279.253	ppb	0.4989	0.2	8087.59
Mg 279.078	1267.70	ppb	1.7531	0.1	2075.84
Mn 257.610	8.4880	ppb	0.0662	0.8	1086.18
Mo 202.032	1031.58	ppb	4.9213	0.5	4107.56
Na 330.237	8176.41	ppb	77.6306	0.9	305.122
Ni 231.604	-0.3345	ppb	0.7297	218.1	-2.0811
Pb 220.353	-0.6257	ppb	0.1868	29.9	0.0394
Sb 206.834	0.3792	ppb	1.9305	509.1	-9.1207
Se 196.026	2.4162	ppb	6.2551	258.9	2.7231
Sn 189.925	-0.0016	ppb	4.7490	298089.2	-1.5595
Sr 216.596	16.0377	ppb	0.2675	1.7	103.163
Ti 334.941	0.1424	ppb	0.0426	29.9	43.1241
Tl 190.794	-0.0388	ppb	1.1083	2854.8	-4.4949
V 292.401	-0.9571	ppb	0.2955	30.9	-99.8643
Zn 206.200	7.7538	ppb	1.5438	19.9	4.5985

490-60320-a-1-aPDS (Samp) **8/30/2014, 4:26:49 AM** **Rack 4, Tube 11**

Weight: 1 **Volume: 1** **Dilution: 1**

Label	Replicates Concentration		
Ag 328.068	43.0658	42.5146	42.8195
Al 308.215	2416.12	2425.07	2426.29
As 188.980	207.972	199.223	205.497
B 249.678	548.311	553.873	552.602
Ba 389.178	244.942	245.803	246.643
Be 313.042	56.4463	56.7339	56.5930
Ca 370.602	32093	32250	32179
Cd 226.502	56.7661	57.5135	56.9821
Co 228.615	205.722	206.307	206.463
Cr 267.716	228.051	228.282	227.394
Cu 324.754	201.813	205.474	202.232
Fe 271.441	3594.04	3622.55	3623.56
K 766.491	3074.88	3089.36	3081.97
Mg 279.078	8545.28	8538.88	8542.09
Mn 257.610	270.387	271.716	270.979
Mo 202.032	5255.88x	5281.67x	5264.14x
Na 330.237	45022.6	44725.7	45038.3
Ni 231.604	214.361	216.825	217.797
Pb 220.353	221.979	219.913	223.108
Sb 206.834	201.247	200.218	200.670
Se 196.026	208.153	209.248	195.004
Sn 189.925	236.971	238.596	230.372
Sr 216.596	305.004	305.239	304.928
Ti 334.941	222.389	223.017	223.078
Tl 190.794	214.644	214.456	210.095
V 292.401	182.388	184.396	184.920
Zn 206.200	253.566	250.477	258.741

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	42.8000b	ppb	0.2761	0.6	2368.44
Al 308.215	2422.49b	ppb	5.5536	0.2	12288.8
As 188.980	204.231b	ppb	4.5100	2.2	70.2186
B 249.678	551.595b	ppb	2.9146	0.5	5166.93
Ba 389.178	245.796b	ppb	0.8504	0.3	3659.09
Be 313.042	56.5911b	ppb	0.1438	0.3	54833.5
Ca 370.602	32174b	ppb	78.60	0.2	56403
Cd 226.502	57.0872b	ppb	0.3846	0.7	1347.37
Co 228.615	206.164b	ppb	0.3903	0.2	1107.13
Cr 267.716	227.909b	ppb	0.4605	0.2	6705.19
Cu 324.754	203.173b	ppb	2.0035	1.0	8618.03
Fe 271.441	3613.39b	ppb	16.7576	0.5	2830.71
K 766.491	3082.07b	ppb	7.2391	0.2	87507.9
Mg 279.078	8542.08b	ppb	3.2002	0.0	13914.3
Mn 257.610	271.027b	ppb	0.6657	0.2	33538.2
Mo 202.032	5267.23xb	ppb	13.1718	0.3	20955.5
Na 330.237	44928.9b	ppb	176.106	0.4	1592.34
Ni 231.604	216.328b	ppb	1.7709	0.8	397.269
Pb 220.353	221.667b	ppb	1.6199	0.7	195.650
Sb 206.834	200.712b	ppb	0.5159	0.3	122.538
Se 196.026	204.135b	ppb	7.9266	3.9	54.4099
Sn 189.925	235.313b	ppb	4.3552	1.9	101.459
Sr 216.596	305.057b	ppb	0.1618	0.1	2010.31

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ti 334.941	222.828b	ppb	0.3813	0.2	42577.0
Tl 190.794	213.065b	ppb	2.5739	1.2	117.914
V 292.401	183.901b	ppb	1.3362	0.7	2017.81
Zn 206.200	254.261b	ppb	4.1759	1.6	152.526

490-60179-a-1-a (Samp) **8/30/2014, 4:31:09 AM** **Rack 4, Tube 12**

Weight: 1 **Volume: 1** **Dilution: 1**

Label	Replicates Concentration		
Ag 328.068	-0.2246u	0.3404	-0.3067u
Al 308.215	58.9311	61.9333	61.6478
As 188.980	-0.3449u	-2.0002u	2.2039
B 249.678	517.297	518.667	520.656
Ba 389.178	23.7596	22.9442	22.6146
Be 313.042	-0.0775u	-0.0945u	-0.0899u
Ca 370.602	543784	546594	552648
Cd 226.502	0.1306	0.0428u	0.0122u
Co 228.615	5.4968	6.1122	6.1136
Cr 267.716	17.2444	17.1412	17.7122
Cu 324.754	-0.1393u	0.0051	0.4229
Fe 271.441	43.9919	46.0073	46.1012
K 766.491	355896x	354989x	357264x
Mg 279.078	549.140	556.051	559.075
Mn 257.610	1.3781	1.6144	1.4373
Mo 202.032	198.070	197.000	197.412
Na 330.237	980620x	988013x	976475x
Ni 231.604	110.860	112.201	108.572
Pb 220.353	-2.5024u	-2.6480u	-2.1777u
Sb 206.834	36.2155	40.0778	31.8299
Se 196.026	11.9085	11.7589	0.7031
Sn 189.925	0.3917	-2.8380u	1.8635
Sr 216.596	401.632	400.993	402.788
Ti 334.941	2.8987	2.4722	3.0984
Tl 190.794	0.5976u	0.4337u	-0.6502u
V 292.401	-4.1957u	-4.5713u	-4.5507u
Zn 206.200	379.683	388.181	376.653

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.0636b	ppb	0.3523	553.9	6.3447
Al 308.215	60.8374b	ppb	1.6571	2.7	612.585
As 188.980	-0.0471b	ppb	2.1178	4498.0	-2.1425
B 249.678	518.873b	ppb	1.6891	0.3	4868.91
Ba 389.178	23.1061b	ppb	0.5894	2.6	304.962
Be 313.042	-0.0873b	ppb	0.0088	10.1	-314.526
Ca 370.602	547675b	ppb	4529	0.8	959116
Cd 226.502	0.0618b	ppb	0.0615	99.4	2.4750
Co 228.615	5.9075b	ppb	0.3557	6.0	39.5392
Cr 267.716	17.3659b	ppb	0.3043	1.8	533.377
Cu 324.754	0.0962b	ppb	0.2919	303.4	348.460
Fe 271.441	45.3668b	ppb	1.1916	2.6	31.7575
K 766.491	356050xb	ppb	1145.10	0.3	10089152
Mg 279.078	554.755b	ppb	5.0924	0.9	915.284
Mn 257.610	1.4766b	ppb	0.1230	8.3	218.051
Mo 202.032	197.494b	ppb	0.5394	0.3	789.830

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Na 330.237	981703xb	ppb	5844.76	0.6	34471.2
Ni 231.604	110.544b	ppb	1.8348	1.7	202.322
Pb 220.353	-2.4427b	ppb	0.2408	9.9	-0.9560
Sb 206.834	36.0411b	ppb	4.1267	11.5	30.9007
Se 196.026	8.1235b	ppb	6.4267	79.1	4.1818
Sn 189.925	-0.1943b	ppb	2.4049	1237.8	-1.4779
Sr 216.596	401.804b	ppb	0.9097	0.2	2789.84
Ti 334.941	2.8231b	ppb	0.3199	11.3	507.097
Tl 190.794	0.1270b	ppb	0.6781	533.9	-2.8003
V 292.401	-4.4392b	ppb	0.2111	4.8	-83.5270
Zn 206.200	381.506b	ppb	5.9763	1.6	229.582

Cont Calib Verif (CCV) **8/30/2014, 4:35:27 AM** **Rack 4, Tube 13**

Weight: 1 **Volume: 1** **Dilution: 1**

Label	Replicates Concentration		
Ag 328.068	542.376	530.039	538.955
Al 308.215	5072.77	5059.80	5069.70
As 188.980	486.130	470.918	480.793
B 249.678	520.665	519.424	524.607
Ba 389.178	5253.06	5249.49	5250.88
Be 313.042	524.080	523.971	524.264
Ca 370.602	5455	5444	5446
Cd 226.502	512.959	512.529	512.355
Co 228.615	475.619	475.659	474.453
Cr 267.716	5181.17	5177.30	5175.50
Cu 324.754	4150.86	4086.22	4088.06
Fe 271.441	4756.07	4744.78	4755.92
K 766.491	6752.91	6770.90	6782.42
Mg 279.078	5149.87	5136.96	5137.60
Mn 257.610	5211.75	5211.42	5205.65
Mo 202.032	506.517	509.857	504.429
Na 330.237	7587.28	7646.79	7411.32
Ni 231.604	2481.67	2499.42	2500.79
Pb 220.353	498.747	507.483	507.139
Sb 206.834	968.728	974.436	967.269
Se 196.026	4731.28	4750.83	4714.11
Sn 189.925	5079.66	5050.48	5040.27
Sr 216.596	2573.49	2573.07	2567.82
Ti 334.941	520.215	520.397	521.146
Tl 190.794	4747.90	4723.37	4723.52
V 292.401	4312.27	4312.53	4307.11
Zn 206.200	2518.53	2504.52	2524.63

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Ag 328.068	537.123	ppb	6.3689	1.2	29541.0	107.42467
Al 308.215	5067.42	ppb	6.7781	0.1	25224.9	101.34843
As 188.980	479.280	ppb	7.7180	1.6	169.400	95.85600
B 249.678	521.565	ppb	2.7063	0.5	4894.96	104.31305
Ba 389.178	5251.14	ppb	1.8000	0.0	78472.6	105.02286
Be 313.042	524.105	ppb	0.1479	0.0	513712	104.82100
Ca 370.602	5448	ppb	6.020	0.1	9772	108.96420
Cd 226.502	512.614	ppb	0.3109	0.1	11970.6	102.52289
Co 228.615	475.244	ppb	0.6851	0.1	2698.84	95.04875

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Cr 267.716	5177.99	ppb	2.8985	0.1	152000	103.55981
Cu 324.754	4108.38	ppb	36.8028	0.9	165411	82.16762Q
Fe 271.441	4752.25	ppb	6.4760	0.1	3754.80	95.04506
K 766.491	6768.74	ppb	14.8692	0.2	191973	67.68741Q
Mg 279.078	5141.48	ppb	7.2762	0.1	8316.58	102.82961
Mn 257.610	5209.61	ppb	3.4334	0.1	643272	104.19211
Mo 202.032	506.934	ppb	2.7379	0.5	2017.78	101.38681
Na 330.237	7548.46	ppb	122.439	1.6	263.104	100.64619
Ni 231.604	2493.96	ppb	10.6656	0.4	4596.24	99.75832
Pb 220.353	504.456	ppb	4.9475	1.0	454.773	100.89130
Sb 206.834	970.144	ppb	3.7879	0.4	879.176	97.01444
Se 196.026	4732.07	ppb	18.3709	0.4	1214.11	94.64149
Sn 189.925	5056.80	ppb	20.4387	0.4	2212.14	101.13606
Sr 216.596	2571.46	ppb	3.1596	0.1	17142.7	102.85830
Ti 334.941	520.586	ppb	0.4934	0.1	99438.8	104.11721
Tl 190.794	4731.60	ppb	14.1196	0.3	2889.08	94.63193
V 292.401	4310.64	ppb	3.0578	0.1	57151.7	86.21274Q
Zn 206.200	2515.89	ppb	10.3092	0.4	1505.55	100.63570

Cont Calib Blank (CCB) **8/30/2014, 4:39:46 AM** **Rack 4, Tube 14**

Weight: 1 **Volume: 1** **Dilution: 1**

Label	Replicates Concentration		
Ag 328.068	-0.0298u	-0.0822u	-0.0070u
Al 308.215	5.9231	7.9261	7.4430
As 188.980	-3.2375u	1.0092	1.2042
B 249.678	8.4414	7.3311	5.7897
Ba 389.178	0.2661	0.3339	0.4078
Be 313.042	0.0043	0.0107	0.0136
Ca 370.602	0.4037	13.95	8.298
Cd 226.502	-0.0246u	0.2598	-0.0582u
Co 228.615	0.7430	0.0360	0.7132
Cr 267.716	0.0893	0.0779	0.0472
Cu 324.754	-2.3485u	-2.1535u	-2.0014u
Fe 271.441	-3.5826u	1.5584	-5.9277u
K 766.491	4.3575	5.1317	4.4936
Mg 279.078	-3.2552u	-0.1430u	-3.8234u
Mn 257.610	0.1588	0.1939	0.1992
Mo 202.032	1.3429	0.8617	0.5122
Na 330.237	-33.1248u	-25.8152u	27.9658
Ni 231.604	0.6157	0.1351	2.4107
Pb 220.353	-2.3125u	3.4825	-3.7314u
Sb 206.834	-1.8209u	-2.8710u	2.3475
Se 196.026	-0.7702u	3.0490	1.9367
Sn 189.925	-0.0538u	-0.4416u	-4.5100u
Sr 216.596	-0.4781u	0.0646	-0.0263u
Ti 334.941	0.0956	0.1326	0.1852
Tl 190.794	2.7091	4.5879	0.2813
V 292.401	0.1583	0.2692	-0.2469u
Zn 206.200	0.4953	-0.8638u	-2.0567u

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Ag 328.068	-0.0397	ppb	0.0385	97.1	17.2927	-0.03967
Al 308.215	7.0974	ppb	1.0453	14.7	344.287	7.09741

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
As 188.980	-0.3414	ppb	2.5101	735.3	-2.2184	-0.34135
B 249.678	7.1874	ppb	1.3317	18.5	141.969	7.18742
Ba 389.178	0.3359	ppb	0.0709	21.1	-36.5806	0.33594
Be 313.042	0.0096	ppb	0.0047	49.5	-236.947	0.00955
Ca 370.602	7.550	ppb	6.803	90.1	34.29	7.55008
Cd 226.502	0.0590	ppb	0.1747	296.0	5.4155	0.05902
Co 228.615	0.4974	ppb	0.3999	80.4	11.4005	0.49741
Cr 267.716	0.0715	ppb	0.0218	30.4	15.9189	0.07148
Cu 324.754	-2.1678	ppb	0.1740	8.0	253.184	-2.16780
Fe 271.441	-2.6507	ppb	3.8291	144.5	-6.1508	-2.65065
K 766.491	4.6609	ppb	0.4133	8.9	306.785	4.66093
Mg 279.078	-2.4072	ppb	1.9813	82.3	8.2883	-2.40718
Mn 257.610	0.1840	ppb	0.0219	11.9	54.8803	0.18395
Mo 202.032	0.9056	ppb	0.4171	46.1	7.8573	0.90561
Na 330.237	-10.3248	ppb	33.3614	323.1	17.9021	-10.32478
Ni 231.604	1.0538	ppb	1.1994	113.8	0.4586	1.05383
Pb 220.353	-0.8538	ppb	3.8218	447.6	0.6062	-0.85381
Sb 206.834	-0.7815	ppb	2.7602	353.2	0.7527	-0.78146
Se 196.026	1.4052	ppb	1.9643	139.8	2.4617	1.40519
Sn 189.925	-1.6685	ppb	2.4684	147.9	-2.2906	-1.66845
Sr 216.596	-0.1466	ppb	0.2906	198.2	0.3878	-0.14661
Ti 334.941	0.1378	ppb	0.0450	32.7	41.1696	0.13781
Tl 190.794	2.5261	ppb	2.1591	85.5	-0.9721	2.52606
V 292.401	0.0602	ppb	0.2717	451.3	-4.2697	0.06021
Zn 206.200	-0.8084	ppb	1.2769	158.0	-0.5482	-0.80842

680-104708-b-1-a (Samp) **8/30/2014, 4:44:05 AM** **Rack 4, Tube 15**

Weight: 1 **Volume: 1** **Dilution: 1**

Label	Replicates Concentration		
Ag 328.068	-0.2629u	0.0464u	-0.2659u
Al 308.215	32.4587	29.6623	31.6350
As 188.980	-1.0016u	-0.8601u	1.6946
B 249.678	74.6379	73.7912	74.2043
Ba 389.178	13.5705	12.4846	11.4507
Be 313.042	-0.0151u	-0.0171u	-0.0030u
Ca 370.602	31826	31770	31932
Cd 226.502	-0.2198u	0.0103	-0.3550u
Co 228.615	-0.0422u	0.6156	0.2077
Cr 267.716	1.0424	0.6443	0.6959
Cu 324.754	36.8711	37.3159	36.8179
Fe 271.441	829.750	794.596	817.119
K 766.491	6049.99	6118.13	6127.35
Mg 279.078	15116.5	14999.7	15061.0
Mn 257.610	19.2745	18.3629	18.4223
Mo 202.032	1.0799	0.8571	1.0168
Na 330.237	76107.4	76295.3	76560.0
Ni 231.604	1.8896	4.0366	1.8968
Pb 220.353	14.8849	10.5672	8.0178
Sb 206.834	0.4370	0.3842	-3.8951u
Se 196.026	6.7882	-5.0839u	-0.5111u
Sn 189.925	-3.5491u	-3.7575u	2.1943
Sr 216.596	423.889	415.697	418.364
Ti 334.941	0.6311	0.6053	0.7089

Label	Replicates Concentration		
Tl 190.794	-2.1680u	0.5307	0.2155
V 292.401	-0.2754u	0.1641	0.1629
Zn 206.200	192.854	188.726	191.069

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.1608	ppb	0.1795	111.6	1.2372
Al 308.215	31.2520	ppb	1.4370	4.6	462.457
As 188.980	-0.0557	ppb	1.5174	2723.1	-2.1190
B 249.678	74.2111	ppb	0.4234	0.6	759.975
Ba 389.178	12.5020	ppb	1.0600	8.5	159.540
Be 313.042	-0.0118	ppb	0.0077	65.2	-257.065
Ca 370.602	31843	ppb	82.06	0.3	55779
Cd 226.502	-0.1882	ppb	0.1847	98.2	2.3764
Co 228.615	0.2604	ppb	0.3321	127.5	10.0930
Cr 267.716	0.7942	ppb	0.2165	27.3	38.1643
Cu 324.754	37.0016	ppb	0.2734	0.7	1827.40
Fe 271.441	813.822	ppb	17.8078	2.2	630.909
K 766.491	6098.49	ppb	42.2535	0.7	172981
Mg 279.078	15059.1	ppb	58.3972	0.4	24527.2
Mn 257.610	18.6866	ppb	0.5100	2.7	2405.76
Mo 202.032	0.9846	ppb	0.1149	11.7	8.1488
Na 330.237	76320.9	ppb	227.400	0.3	2695.40
Ni 231.604	2.6077	ppb	1.2375	47.5	3.3659
Pb 220.353	11.1567	ppb	3.4713	31.1	11.3746
Sb 206.834	-1.0246	ppb	2.4860	242.6	0.5598
Se 196.026	0.3977	ppb	5.9880	1505.5	2.2105
Sn 189.925	-1.7041	ppb	3.3777	198.2	-2.2931
Sr 216.596	419.317	ppb	4.1782	1.0	2809.12
Ti 334.941	0.6484	ppb	0.0539	8.3	152.271
Tl 190.794	-0.4739	ppb	1.4756	311.3	-2.8601
V 292.401	0.0172	ppb	0.2534	1472.4	-4.9053
Zn 206.200	190.883	ppb	2.0703	1.1	114.831

680-104632-t-1-a (Samp) **8/30/2014, 4:48:24 AM** **Rack 4, Tube 16**

Weight: 1 **Volume: 1** **Dilution: 1**

Label	Replicates Concentration		
Ag 328.068	-0.0758u	-0.2303u	-0.1598u
Al 308.215	9.7525	11.0815	7.3924
As 188.980	7.2226	5.0697	-3.2045u
B 249.678	1.6032	0.8689	1.2959
Ba 389.178	15.6570	15.1527	15.2315
Be 313.042	-0.0185u	-0.0208u	-0.0216u
Ca 370.602	20155	20250	20364
Cd 226.502	0.1006	-0.1592u	-0.3488u
Co 228.615	0.8096	0.3168	0.6138
Cr 267.716	-0.2474u	0.1572	0.1423
Cu 324.754	-1.8501u	-1.7565u	-1.8451u
Fe 271.441	94.0271	99.5176	90.4408
K 766.491	1250.65	1251.48	1250.45
Mg 279.078	2123.58	2139.56	2146.83
Mn 257.610	104.751	105.102	105.656
Mo 202.032	1.3054	0.7810	1.7276
Na 330.237	6796.68	7004.10	6777.53

Label	Replicates Concentration		
Ni 231.604	0.0067	-0.3349u	-2.5956u
Pb 220.353	-1.9216u	0.2064	-3.3545u
Sb 206.834	1.1624	-1.0948u	0.7452
Se 196.026	-6.0813u	10.5055	9.9855
Sn 189.925	1.4822	-3.4283u	-2.9822u
Sr 216.596	184.531	186.202	188.442
Ti 334.941	0.0379	0.0344	0.0324
Tl 190.794	-8.0643u	2.3111	-1.8440u
V 292.401	0.1471	-0.1521u	-0.4228u
Zn 206.200	2587.70	2577.88	2594.54

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.1553	ppb	0.0774	49.8	7.1218
Al 308.215	9.4088	ppb	1.8684	19.9	355.611
As 188.980	3.0293	ppb	5.5049	181.7	-1.0123
B 249.678	1.2560	ppb	0.3688	29.4	87.0672
Ba 389.178	15.3471	ppb	0.2713	1.8	189.836
Be 313.042	-0.0203	ppb	0.0016	8.1	-263.168
Ca 370.602	20257	ppb	104.5	0.5	35496
Cd 226.502	-0.1358	ppb	0.2256	166.1	1.1879
Co 228.615	0.5801	ppb	0.2481	42.8	11.8644
Cr 267.716	0.0174	ppb	0.2294	1319.5	14.6775
Cu 324.754	-1.8172	ppb	0.0527	2.9	267.306
Fe 271.441	94.6618	ppb	4.5716	4.8	69.8008
K 766.491	1250.86	ppb	0.5435	0.0	35618.9
Mg 279.078	2136.66	ppb	11.8972	0.6	3489.24
Mn 257.610	105.170	ppb	0.4564	0.4	13026.6
Mo 202.032	1.2713	ppb	0.4742	37.3	9.3095
Na 330.237	6859.44	ppb	125.649	1.8	239.899
Ni 231.604	-0.9746	ppb	1.4142	145.1	-3.2754
Pb 220.353	-1.6899	ppb	1.7917	106.0	-0.1257
Sb 206.834	0.2709	ppb	1.2010	443.3	1.6670
Se 196.026	4.8032	ppb	9.4299	196.3	3.3455
Sn 189.925	-1.6428	ppb	2.7155	165.3	-2.2782
Sr 216.596	186.392	ppb	1.9621	1.1	1250.48
Ti 334.941	0.0349	ppb	0.0028	7.9	23.6413
Tl 190.794	-2.5324	ppb	5.2219	206.2	-4.0354
V 292.401	-0.1426	ppb	0.2850	199.9	-6.9952
Zn 206.200	2586.70	ppb	8.3741	0.3	1557.19

mb 680-346576/1-a (Samp) **8/30/2014, 4:52:43 AM** **Rack 4, Tube 17**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Replicates Concentration		
Ag 328.068	0.0291	-0.0047u	-0.0537u
Al 308.215	8.0890	9.5299	8.6201
As 188.980	-2.6578u	-7.0019u	1.5765
B 249.678	-2.3728u	-2.5326u	-2.9524u
Ba 389.178	0.4131	0.1774	-0.5266u
Be 313.042	-0.0172u	-0.0385u	-0.0311u
Ca 370.602	7.742	4.040	6.835
Cd 226.502	0.0451	-0.0083u	-0.1056u
Co 228.615	-0.0303u	0.1661	0.6267
Cr 267.716	0.0690	-0.0581u	0.1498

Label	Replicates Concentration		
Cu 324.754	-2.0975u	-1.8817u	-2.0445u
Fe 271.441	-4.1904u	-7.1350u	-0.4527u
K 766.491	0.5473	0.7807	0.5253
Mg 279.078	3.1835	-1.5574u	-2.0599u
Mn 257.610	-0.0571u	-0.0568u	-0.0199u
Mo 202.032	-0.0994u	0.7561	0.3138
Na 330.237	-10.8622u	142.055	-4.0303u
Ni 231.604	53.5658	34.5895	20.2254
Pb 220.353	0.7404	2.2336	-2.3475u
Sb 206.834	3.1044	-0.5766u	-4.9777u
Se 196.026	8.8249	15.4722	-6.1634u
Sn 189.925	2.6792	-2.2441u	-0.3605u
Sr 216.596	-0.1545u	-1.0522u	-0.2951u
Ti 334.941	0.1875	0.0066	-0.0001u
Tl 190.794	0.8286	-5.1391u	-2.3693u
V 292.401	-0.0884u	-0.7340u	0.1727
Zn 206.200	0.4402	0.4974	1.9013

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.0098	ppb	0.0416	424.8	18.9556
Al 308.215	8.7463	ppb	0.7287	8.3	352.249
As 188.980	-2.6944	ppb	4.2893	159.2	-3.0607
B 249.678	-2.6193	ppb	0.2993	11.4	51.3847
Ba 389.178	0.0213	ppb	0.4889	2295.2	-41.2812
Be 313.042	-0.0289	ppb	0.0108	37.4	-274.657
Ca 370.602	6.206	ppb	1.930	31.1	31.89
Cd 226.502	-0.0229	ppb	0.0764	333.4	3.5144
Co 228.615	0.2542	ppb	0.3372	132.7	10.0295
Cr 267.716	0.0535	ppb	0.1048	195.8	15.3947
Cu 324.754	-2.0079	ppb	0.1125	5.6	259.604
Fe 271.441	-3.9260	ppb	3.3489	85.3	-7.1331
K 766.491	0.6178	ppb	0.1415	22.9	192.218
Mg 279.078	-0.1446	ppb	2.8932	2000.7	11.9737
Mn 257.610	-0.0446	ppb	0.0214	48.0	26.6808
Mo 202.032	0.3235	ppb	0.4278	132.3	5.5420
Na 330.237	42.3877	ppb	86.3824	203.8	19.7388
Ni 231.604	36.1269	ppb	16.7233	46.3	65.1233
Pb 220.353	0.2088	ppb	2.3363	1118.9	1.5563
Sb 206.834	-0.8166	ppb	4.0464	495.5	0.7266
Se 196.026	6.0446	ppb	11.0826	183.3	3.6493
Sn 189.925	0.0249	ppb	2.4841	9988.6	-1.5493
Sr 216.596	-0.5006	ppb	0.4829	96.5	-2.5109
Ti 334.941	0.0646	ppb	0.1064	164.6	27.1975
Tl 190.794	-2.2266	ppb	2.9864	134.1	-3.8709
V 292.401	-0.2165	ppb	0.4667	215.5	-7.9173
Zn 206.200	0.9463	ppb	0.8276	87.5	0.5081

lcs 680-346576/2-a (Samp) **8/30/2014, 4:57:02 AM** **Rack 4, Tube 18**

Weight: 1 **Volume: 1** **Dilution: 1**

Label	Replicates Concentration		
Ag 328.068	116.336	115.440	115.573
Al 308.215	10752.1	10635.2	10744.9
As 188.980	219.753	215.782	210.449

Label	Replicates Concentration		
B 249.678	431.702	429.734	437.533
Ba 389.178	219.914	218.237	219.925
Be 313.042	110.545	109.269	110.695
Ca 370.602	11430	11308	11457
Cd 226.502	108.352	108.105	109.544
Co 228.615	93.9197	92.7887	94.8904
Cr 267.716	220.066	217.223	220.107
Cu 324.754	161.981	160.754	162.325
Fe 271.441	9407.40	9335.28	9459.38
K 766.491	7471.31	7401.67	7483.28
Mg 279.078	10483.4	10375.2	10476.8
Mn 257.610	1068.32	1056.44	1069.38
Mo 202.032	214.257	208.420	212.769
Na 330.237	103055	101942	102956
Ni 231.604	211.690	209.761	210.743
Pb 220.353	109.214	108.029	101.628
Sb 206.834	99.6856	101.129	99.6909
Se 196.026	205.297	191.889	199.483
Sn 189.925	425.552	423.691	425.449
Sr 216.596	213.751	211.256	215.249
Ti 334.941	221.955	219.369	222.014
Tl 190.794	77.2200	64.8152	74.3975
V 292.401	167.700	165.955	167.887
Zn 206.200	211.931	216.339	217.751

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	115.783	ppb	0.4836	0.4	6387.95
Al 308.215	10710.7	ppb	65.5063	0.6	52291.5
As 188.980	215.328	ppb	4.6686	2.2	74.9760
B 249.678	432.990	ppb	4.0558	0.9	4063.27
Ba 389.178	219.359	ppb	0.9718	0.4	3251.78
Be 313.042	110.169	ppb	0.7838	0.7	107756
Ca 370.602	11398	ppb	79.92	0.7	19988
Cd 226.502	108.667	ppb	0.7696	0.7	2570.24
Co 228.615	93.8663	ppb	1.0518	1.1	539.249
Cr 267.716	219.132	ppb	1.6532	0.8	6451.46
Cu 324.754	161.687	ppb	0.8258	0.5	6843.15
Fe 271.441	9400.69	ppb	62.3232	0.7	7337.52
K 766.491	7452.09	ppb	44.0735	0.6	211336
Mg 279.078	10445.1	ppb	60.6556	0.6	17000.5
Mn 257.610	1064.71	ppb	7.1882	0.7	131550
Mo 202.032	211.815	ppb	3.0332	1.4	846.417
Na 330.237	102651	ppb	616.143	0.6	3617.52
Ni 231.604	210.731	ppb	0.9642	0.5	387.404
Pb 220.353	106.290	ppb	4.0806	3.8	96.6362
Sb 206.834	100.168	ppb	0.8317	0.8	88.3816
Se 196.026	198.890	ppb	6.7237	3.4	53.2007
Sn 189.925	424.897	ppb	1.0456	0.2	184.463
Sr 216.596	213.419	ppb	2.0173	0.9	1431.05
Ti 334.941	221.113	ppb	1.5103	0.7	42249.6
Tl 190.794	72.1442	ppb	6.5022	9.0	40.9950
V 292.401	167.180	ppb	1.0658	0.6	2198.70
Zn 206.200	215.340	ppb	3.0356	1.4	128.952

lb2 680-346296/3-b (Samp) **8/30/2014, 5:01:21 AM** **Rack 4, Tube 19**

Weight: 1 **Volume: 1** **Dilution: 1**

Label	Replicates Concentration		
Ag 328.068	-0.2197u	-0.0275u	0.0864
Al 308.215	8.6517	10.3061	8.3113
As 188.980	-12.3915u	1.6004	-0.4018u
B 249.678	7.3381	6.1831	5.6037
Ba 389.178	-0.4333u	-0.0577u	-0.2058u
Be 313.042	-0.0154u	-0.0152u	-0.0315u
Ca 370.602	26.39	29.71	24.61
Cd 226.502	-0.1375u	0.1506	-0.2254u
Co 228.615	-0.4517u	0.1459	0.9010
Cr 267.716	0.1123	0.5770	0.2539
Cu 324.754	-2.0255u	-2.2736u	-1.9455u
Fe 271.441	-2.4376u	-1.0528u	2.5192
K 766.491	8.4379	8.0797	8.7046
Mg 279.078	5.4745	7.3809	8.1971
Mn 257.610	0.0678	0.0333	0.0168
Mo 202.032	0.5842	-0.3084u	-0.0128u
Na 330.237	75687.8	75291.9	75920.9
Ni 231.604	0.7097	-0.4113u	2.6871
Pb 220.353	2.8682	0.3160	-2.2022u
Sb 206.834	-2.9093u	-2.0247u	-3.5091u
Se 196.026	4.4140	-8.9636u	-1.4101u
Sn 189.925	-4.2736u	-4.7246u	-2.3405u
Sr 216.596	-1.2444u	-0.1029u	0.3197
Ti 334.941	-0.0009u	-0.0717u	0.0650
Tl 190.794	-0.0396u	0.7843	-7.0617u
V 292.401	0.4893	0.2611	0.3135
Zn 206.200	2.2599	0.7562	1.2255

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.0536	ppb	0.1547	288.5	16.5341
Al 308.215	9.0897	ppb	1.0671	11.7	353.933
As 188.980	-3.7310	ppb	7.5668	202.8	-3.4317
B 249.678	6.3750	ppb	0.8830	13.9	134.448
Ba 389.178	-0.2323	ppb	0.1892	81.5	-45.0690
Be 313.042	-0.0207	ppb	0.0093	45.1	-270.755
Ca 370.602	26.90	ppb	2.590	9.6	68.13
Cd 226.502	-0.0708	ppb	0.1967	277.8	2.1560
Co 228.615	0.1984	ppb	0.6779	341.7	9.7193
Cr 267.716	0.3144	ppb	0.2382	75.8	23.8055
Cu 324.754	-2.0815	ppb	0.1711	8.2	256.634
Fe 271.441	-0.3237	ppb	2.5575	790.0	-4.3447
K 766.491	8.4074	ppb	0.3136	3.7	412.944
Mg 279.078	7.0175	ppb	1.3972	19.9	23.6325
Mn 257.610	0.0393	ppb	0.0260	66.2	36.8535
Mo 202.032	0.0877	ppb	0.4547	518.4	4.6037
Na 330.237	75633.5	ppb	317.971	0.4	2672.84
Ni 231.604	0.9952	ppb	1.5688	157.6	0.3508
Pb 220.353	0.3273	ppb	2.5352	774.5	1.6628
Sb 206.834	-2.8144	ppb	0.7467	26.5	-1.0100
Se 196.026	-1.9866	ppb	6.7074	337.6	1.5935
Sn 189.925	-3.7796	ppb	1.2665	33.5	-3.2018
Sr 216.596	-0.3425	ppb	0.8091	236.2	-0.9080

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ti 334.941	-0.0025	ppb	0.0684	2715.7	10.6916
Tl 190.794	-2.1057	ppb	4.3118	204.8	-3.7968
V 292.401	0.3546	ppb	0.1195	33.7	-0.5710
Zn 206.200	1.4139	ppb	0.7693	54.4	0.7891

680-104631-a-2-e (Samp) **8/30/2014, 5:05:40 AM** **Rack 4, Tube 20**

Weight: 1 **Volume: 1** **Dilution: 1**

Label	Replicates Concentration		
Ag 328.068	-0.1403u	0.0447	-0.2098u
Al 308.215	100.305	95.7836	93.9110
As 188.980	-5.3379u	-2.0926u	-3.9404u
B 249.678	-0.3428u	-0.4960u	-1.3955u
Ba 389.178	12.5821	12.8137	11.6862
Be 313.042	-0.0147u	-0.0206u	-0.0180u
Ca 370.602	1656	1648	1653
Cd 226.502	-0.0412u	0.2538	0.1227
Co 228.615	0.1658	0.5362	0.5385
Cr 267.716	0.2559	0.2599	0.2249
Cu 324.754	-1.2609u	-1.1447u	-1.4376u
Fe 271.441	195.515	186.914	196.202
K 766.491	502.097	497.029	496.731
Mg 279.078	70.9571	69.8613	71.8148
Mn 257.610	42.1172	41.3956	41.1639
Mo 202.032	-0.2101u	0.6522	-0.3407u
Na 330.237	80727.6	79025.2	78546.4
Ni 231.604	21.3501	82.3097	2.4563
Pb 220.353	-2.1870u	-0.7106u	1.0613
Sb 206.834	1.0225	0.1918	-1.0663u
Se 196.026	7.4804	-2.1312u	4.2466
Sn 189.925	-0.6240u	-0.8803u	-4.9316u
Sr 216.596	6.2802	5.8241	7.0247
Ti 334.941	0.3109	0.1017	0.0796
Tl 190.794	0.2714	0.5783	-4.1685u
V 292.401	0.0938	-0.2788u	0.2648
Zn 206.200	2.3679	0.4283	1.4850

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.1018	ppb	0.1315	129.2	13.8506
Al 308.215	96.6664	ppb	3.2870	3.4	778.930
As 188.980	-3.7903	ppb	1.6279	42.9	-3.4531
B 249.678	-0.7447	ppb	0.5687	76.4	68.4457
Ba 389.178	12.3607	ppb	0.5954	4.8	143.318
Be 313.042	-0.0178	ppb	0.0029	16.6	-267.819
Ca 370.602	1652	ppb	3.959	0.2	2914
Cd 226.502	0.1118	ppb	0.1478	132.2	7.0809
Co 228.615	0.4135	ppb	0.2145	51.9	10.9423
Cr 267.716	0.2469	ppb	0.0192	7.8	22.0296
Cu 324.754	-1.2811	ppb	0.1475	11.5	288.851
Fe 271.441	192.877	ppb	5.1758	2.7	146.408
K 766.491	498.619	ppb	3.0155	0.6	14303.5
Mg 279.078	70.8777	ppb	0.9791	1.4	127.054
Mn 257.610	41.5589	ppb	0.4972	1.2	5163.74
Mo 202.032	0.0338	ppb	0.5395	1595.3	4.3841

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Na 330.237	79433.1	ppb	1146.38	1.4	2806.15
Ni 231.604	35.3720	ppb	41.7325	118.0	63.7420
Pb 220.353	-0.6121	ppb	1.6264	265.7	0.8347
Sb 206.834	0.0494	ppb	1.0516	2131.0	1.4892
Se 196.026	3.1986	ppb	4.8907	152.9	2.9272
Sn 189.925	-2.1453	ppb	2.4164	112.6	-2.4856
Sr 216.596	6.3763	ppb	0.6061	9.5	43.8914
Ti 334.941	0.1641	ppb	0.1276	77.8	42.4003
Tl 190.794	-1.1063	ppb	2.6564	240.1	-3.1902
V 292.401	0.0266	ppb	0.2780	1045.5	-4.9112
Zn 206.200	1.4271	ppb	0.9711	68.1	0.7922

680-104631-a-2-eSD^5 (Samp) **8/30/2014, 5:09:59 AM** **Rack 4, Tube 21**

Weight: 1 **Volume: 1** **Dilution: 1**

Label	Replicates Concentration		
Ag 328.068	-0.0427u	-0.3001u	-0.1818u
Al 308.215	26.4848	24.1283	24.0190
As 188.980	-1.5333u	3.1894	2.7446
B 249.678	-3.9570u	-4.6888u	-3.8972u
Ba 389.178	1.9129	2.5446	3.2474
Be 313.042	-0.0248u	-0.0111u	-0.0214u
Ca 370.602	362.7	359.5	360.4
Cd 226.502	0.1358	-0.0853u	-0.0255u
Co 228.615	0.1680	0.5718	0.7466
Cr 267.716	-0.1047u	0.0283	-0.0830u
Cu 324.754	-2.1068u	-1.9710u	-1.7197u
Fe 271.441	26.2246	31.2906	38.7545
K 766.491	104.596	104.607	106.387
Mg 279.078	14.2411	11.4258	11.4209
Mn 257.610	8.2888	8.2121	8.2317
Mo 202.032	0.0788	-1.0749u	0.1522
Na 330.237	14963.4	14896.0	15268.2
Ni 231.604	5.0530	5.1397	0.6921
Pb 220.353	-0.4862u	2.8158	2.6691
Sb 206.834	-2.5375u	1.6231	-2.1026u
Se 196.026	11.9304	-9.0340u	5.6866
Sn 189.925	-4.3333u	-0.0709u	-2.5370u
Sr 216.596	0.4212	0.9494	1.8991
Ti 334.941	0.0209	0.0361	0.0327
Tl 190.794	1.1224	-0.2063u	5.2869
V 292.401	0.1523	0.1043	0.2237
Zn 206.200	-1.3005u	1.3320	-0.9823u

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.1749	ppb	0.1289	73.7	9.8489
Al 308.215	24.8773	ppb	1.3931	5.6	430.526
As 188.980	1.4669	ppb	2.6078	177.8	-1.5710
B 249.678	-4.1810	ppb	0.4407	10.5	36.9088
Ba 389.178	2.5683	ppb	0.6676	26.0	-3.1867
Be 313.042	-0.0191	ppb	0.0071	37.4	-265.758
Ca 370.602	360.9	ppb	1.639	0.5	652.9
Cd 226.502	0.0083	ppb	0.1144	1371.9	4.3045
Co 228.615	0.4955	ppb	0.2967	59.9	11.4047

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Cr 267.716	-0.0531	ppb	0.0713	134.3	12.4504
Cu 324.754	-1.9325	ppb	0.1964	10.2	262.623
Fe 271.441	32.0899	ppb	6.3031	19.6	20.9765
K 766.491	105.197	ppb	1.0310	1.0	3155.55
Mg 279.078	12.3626	ppb	1.6269	13.2	32.2272
Mn 257.610	8.2442	ppb	0.0399	0.5	1050.13
Mo 202.032	-0.2813	ppb	0.6883	244.7	3.1350
Na 330.237	15042.5	ppb	198.341	1.3	546.208
Ni 231.604	3.6283	ppb	2.5432	70.1	5.2065
Pb 220.353	1.6662	ppb	1.8655	112.0	2.8616
Sb 206.834	-1.0056	ppb	2.2869	227.4	0.5690
Se 196.026	2.8610	ppb	10.7640	376.2	2.8356
Sn 189.925	-2.3137	ppb	2.1399	92.5	-2.5703
Sr 216.596	1.0899	ppb	0.7489	68.7	8.7008
Ti 334.941	0.0299	ppb	0.0080	26.8	19.8100
Tl 190.794	2.0677	ppb	2.8660	138.6	-1.2493
V 292.401	0.1601	ppb	0.0601	37.5	-2.9021
Zn 206.200	-0.3169	ppb	1.4369	453.4	-0.2531

680-104631-a-2-ePDS (Samp) **8/30/2014, 5:14:18 AM** **Rack 4, Tube 22**

Weight: 1 **Volume: 1** **Dilution: 1**

Label	Replicates Concentration		
Ag 328.068	46.9475	45.6780	45.6362
Al 308.215	2343.53	2324.05	2320.21
As 188.980	210.542	209.428	197.414
B 249.678	541.326	534.042	527.746
Ba 389.178	251.705	246.429	245.943
Be 313.042	55.2512	54.2627	53.8278
Ca 370.602	4181	4127	4165
Cd 226.502	56.5051	55.6567	54.5965
Co 228.615	167.705	164.114	157.373
Cr 267.716	220.760	217.157	214.686
Cu 324.754	146.260	144.277	141.783
Fe 271.441	1945.47	1900.58	1864.95
K 766.491	2182.47	2164.24	2207.15
Mg 279.078	2367.79	2316.00	2301.11
Mn 257.610	253.985	249.018	244.164
Mo 202.032	215.825	209.443	202.349
Na 330.237	83451.0	81624.6	79095.6
Ni 231.604	233.795	287.610	386.932
Pb 220.353	227.585	220.825	217.010
Sb 206.834	185.808	184.406	181.453
Se 196.026	184.998	192.461	177.515
Sn 189.925	230.823	219.588	207.401
Sr 216.596	231.960	225.020	216.352
Ti 334.941	231.131	227.406	225.652
Tl 190.794	181.309	185.070	178.982
V 292.401	143.259	142.105	135.939
Zn 206.200	235.325	229.819	221.785

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	46.0872	ppb	0.7453	1.6	2550.91
Al 308.215	2329.26	ppb	12.5054	0.5	11628.6

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
As 188.980	205.794	ppb	7.2789	3.5	71.5428
B 249.678	534.371	ppb	6.7962	1.3	5010.29
Ba 389.178	248.026	ppb	3.1957	1.3	3669.96
Be 313.042	54.4472	ppb	0.7294	1.3	53121.1
Ca 370.602	4158	ppb	27.91	0.7	7354
Cd 226.502	55.5861	ppb	0.9563	1.7	1306.52
Co 228.615	163.064	ppb	5.2450	3.2	930.388
Cr 267.716	217.534	ppb	3.0546	1.4	6400.61
Cu 324.754	144.107	ppb	2.2431	1.6	6135.06
Fe 271.441	1903.67	ppb	40.3498	2.1	1492.68
K 766.491	2184.62	ppb	21.5349	1.0	62077.8
Mg 279.078	2328.30	ppb	35.0043	1.5	3798.87
Mn 257.610	249.056	ppb	4.9109	2.0	30795.4
Mo 202.032	209.206	ppb	6.7410	3.2	836.260
Na 330.237	81390.4	ppb	2187.13	2.7	2872.56
Ni 231.604	302.779	ppb	77.6872	25.7	556.603
Pb 220.353	221.807	ppb	5.3553	2.4	199.546
Sb 206.834	183.889	ppb	2.2232	1.2	161.130
Se 196.026	184.992	ppb	7.4726	4.0	49.4988
Sn 189.925	219.271	ppb	11.7146	5.3	94.4438
Sr 216.596	224.444	ppb	7.8200	3.5	1496.88
Ti 334.941	228.063	ppb	2.7979	1.2	43567.4
Tl 190.794	181.787	ppb	3.0718	1.7	108.348
V 292.401	140.434	ppb	3.9356	2.8	1841.73
Zn 206.200	228.976	ppb	6.8090	3.0	137.357

680-104631-a-2-f ms (Samp) **8/30/2014, 5:18:37 AM** **Rack 4, Tube 23**

Weight: 1 **Volume: 1** **Dilution: 1**

Label	Replicates Concentration		
Ag 328.068	159.540	160.972	161.418
Al 308.215	1572.34	1568.81	1576.26
As 188.980	139.610	142.749	142.879
B 249.678	300.099	302.076	300.991
Ba 389.178	142.880	142.952	142.538
Be 313.042	145.196	145.323	145.487
Ca 370.602	16639	16592	16667
Cd 226.502	150.078	150.084	150.525
Co 228.615	122.250	124.078	124.623
Cr 267.716	149.137	148.892	149.440
Cu 324.754	107.593	108.003	108.146
Fe 271.441	12736.5	12805.0	12777.3
K 766.491	10178.9	10246.6	10210.8
Mg 279.078	14763.6	14764.6	14800.3
Mn 257.610	1488.97	1488.23	1491.08
Mo 202.032	145.322	144.795	145.249
Na 330.237	80415.1	80801.2	80754.7
Ni 231.604	146.318	146.624	147.050
Pb 220.353	148.315	156.864	151.502
Sb 206.834	137.214	139.654	132.507
Se 196.026	128.367	124.514	124.500
Sn 189.925	143.335	144.147	145.621
Sr 216.596	154.076	155.579	154.198
Ti 334.941	154.473	154.270	154.627

Label	Replicates Concentration		
Tl 190.794	26.7380	24.1815	23.7050
V 292.401	111.106	112.201	111.392
Zn 206.200	155.911	149.097	152.610

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	160.643	ppb	0.9811	0.6	8858.25
Al 308.215	1572.47	ppb	3.7290	0.2	7966.54
As 188.980	141.746	ppb	1.8511	1.3	48.5825
B 249.678	301.056	ppb	0.9898	0.3	2840.48
Ba 389.178	142.790	ppb	0.2211	0.2	2112.23
Be 313.042	145.335	ppb	0.1456	0.1	142240
Ca 370.602	16633	ppb	38.04	0.2	29117
Cd 226.502	150.229	ppb	0.2566	0.2	3551.23
Co 228.615	123.650	ppb	1.2430	1.0	707.963
Cr 267.716	149.156	ppb	0.2746	0.2	4399.13
Cu 324.754	107.914	ppb	0.2868	0.3	4682.21
Fe 271.441	12772.9	ppb	34.4553	0.3	9970.26
K 766.491	10212.1	ppb	33.8680	0.3	289544
Mg 279.078	14776.2	ppb	20.9135	0.1	24047.9
Mn 257.610	1489.42	ppb	1.4802	0.1	184012
Mo 202.032	145.122	ppb	0.2857	0.2	581.071
Na 330.237	80657.0	ppb	210.762	0.3	2845.51
Ni 231.604	146.664	ppb	0.3679	0.3	269.413
Pb 220.353	152.227	ppb	4.3208	2.8	137.981
Sb 206.834	136.459	ppb	3.6330	2.7	120.284
Se 196.026	125.794	ppb	2.2283	1.8	34.5621
Sn 189.925	144.368	ppb	1.1592	0.8	61.6529
Sr 216.596	154.618	ppb	0.8350	0.5	1043.02
Ti 334.941	154.457	ppb	0.1795	0.1	29526.1
Tl 190.794	24.8748	ppb	1.6311	6.6	12.1379
V 292.401	111.567	ppb	0.5679	0.5	1466.33
Zn 206.200	152.539	ppb	3.4077	2.2	91.1728

680-104631-a-2-g msd (Samp) **8/30/2014, 5:22:56 AM** **Rack 4, Tube 24**

Weight: 1 **Volume: 1** **Dilution: 1**

Label	Replicates Concentration		
Ag 328.068	160.956	161.240	162.700
Al 308.215	1582.39	1580.35	1595.48
As 188.980	150.862	152.487	142.595
B 249.678	299.869	300.811	304.934
Ba 389.178	144.119	142.867	143.974
Be 313.042	145.391	145.680	146.876
Ca 370.602	16837	16942	17032
Cd 226.502	150.447	151.906	152.688
Co 228.615	122.345	124.102	124.328
Cr 267.716	149.266	150.387	150.949
Cu 324.754	106.398	105.853	106.443
Fe 271.441	12616.9	12717.8	12743.1
K 766.491	10261.9	10237.9	10316.0
Mg 279.078	14895.4	14890.3	15047.4
Mn 257.610	1482.67	1490.88	1504.03
Mo 202.032	145.565	146.001	148.542
Na 330.237	78836.2	78320.1	79412.0

Label	Replicates Concentration		
Ni 231.604	207.139	150.876	154.173
Pb 220.353	149.401	155.080	157.867
Sb 206.834	133.305	138.555	132.808
Se 196.026	136.071	135.469	126.916
Sn 189.925	143.618	146.228	148.050
Sr 216.596	154.181	156.387	157.887
Ti 334.941	155.434	155.710	156.607
Tl 190.794	20.6033	21.6465	25.5199
V 292.401	109.463	109.158	109.985
Zn 206.200	156.598	148.246	159.069

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	161.632	ppb	0.9357	0.6	8912.66
Al 308.215	1586.08	ppb	8.2100	0.5	8032.47
As 188.980	148.648	ppb	5.3048	3.6	51.0532
B 249.678	301.871	ppb	2.6941	0.9	2848.07
Ba 389.178	143.653	ppb	0.6849	0.5	2125.26
Be 313.042	145.982	ppb	0.7875	0.5	142874
Ca 370.602	16937	ppb	97.91	0.6	29650
Cd 226.502	151.680	ppb	1.1374	0.7	3584.91
Co 228.615	123.591	ppb	1.0857	0.9	707.616
Cr 267.716	150.201	ppb	0.8572	0.6	4429.77
Cu 324.754	106.232	ppb	0.3283	0.3	4614.64
Fe 271.441	12692.6	ppb	66.7480	0.5	9907.59
K 766.491	10271.9	ppb	40.0152	0.4	291239
Mg 279.078	14944.4	ppb	89.2654	0.6	24321.7
Mn 257.610	1492.53	ppb	10.7767	0.7	184396
Mo 202.032	146.703	ppb	1.6078	1.1	587.361
Na 330.237	78856.1	ppb	546.189	0.7	2782.29
Ni 231.604	170.730	ppb	31.5745	18.5	313.780
Pb 220.353	154.116	ppb	4.3142	2.8	139.666
Sb 206.834	134.889	ppb	3.1843	2.4	118.900
Se 196.026	132.819	ppb	5.1207	3.9	36.3607
Sn 189.925	145.965	ppb	2.2278	1.5	62.3521
Sr 216.596	156.152	ppb	1.8645	1.2	1052.87
Ti 334.941	155.917	ppb	0.6133	0.4	29805.2
Tl 190.794	22.5899	ppb	2.5905	11.5	10.7447
V 292.401	109.535	ppb	0.4184	0.4	1439.15
Zn 206.200	154.637	ppb	5.6718	3.7	92.4357

Cont Calib Verif (CCV) **8/30/2014, 5:27:15 AM** **Rack 4, Tube 25**

Weight: 1 **Volume: 1** **Dilution: 1**

Label	Replicates Concentration		
Ag 328.068	545.423	548.930	545.062
Al 308.215	5156.98	5140.65	5141.35
As 188.980	473.146	482.474	486.422
B 249.678	527.606	525.603	528.080
Ba 389.178	5380.74	5364.19	5378.70
Be 313.042	511.028	511.315	509.610
Ca 370.602	5497	5543	5502
Cd 226.502	522.491	518.305	519.050
Co 228.615	419.024	418.167	411.570
Cr 267.716	5100.48	5105.67	5081.89

Label	Replicates Concentration		
Cu 324.754	3455.88	3503.10	3462.21
Fe 271.441	4326.16	4324.99	4264.53
K 766.491	6474.90	6486.10	6478.88
Mg 279.078	5284.51	5280.61	5301.47
Mn 257.610	4970.01	4956.77	4935.16
Mo 202.032	496.666	493.944	497.572
Na 330.237	7467.14	7205.41	7144.53
Ni 231.604	2603.66	2596.70	2603.47
Pb 220.353	529.344	528.761	527.248
Sb 206.834	944.891	956.669	938.963
Se 196.026	4650.57	4643.23	4631.10
Sn 189.925	5209.43	5160.68	5207.88
Sr 216.596	2558.28	2543.50	2553.95
Ti 334.941	531.841	530.462	530.827
Tl 190.794	4523.45	4487.58	4531.34
V 292.401	3650.47	3638.04	3601.20
Zn 206.200	2598.31	2574.92	2598.40

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Ag 328.068	546.472	ppb	2.1369	0.4	30050.6	109.29436
Al 308.215	5146.33	ppb	9.2302	0.2	25569.0	102.92652
As 188.980	480.681	ppb	6.8171	1.4	169.903	96.13615
B 249.678	527.096	ppb	1.3149	0.2	4946.58	105.41923
Ba 389.178	5374.54	ppb	9.0241	0.2	80316.6	107.49084
Be 313.042	510.651	ppb	0.9127	0.2	500504	102.13016
Ca 370.602	5514	ppb	25.12	0.5	9886	110.27406Q
Cd 226.502	519.949	ppb	2.2330	0.4	12140.4	103.98975
Co 228.615	416.253	ppb	4.0788	1.0	2365.30	83.25067Q
Cr 267.716	5096.01	ppb	12.5058	0.2	149596	101.92027
Cu 324.754	3473.73	ppb	25.6326	0.7	139912	69.47458Q
Fe 271.441	4305.23	ppb	35.2477	0.8	3401.34	86.10455Q
K 766.491	6479.96	ppb	5.6781	0.1	183790	64.79961Q
Mg 279.078	5288.86	ppb	11.0870	0.2	8558.93	105.77725
Mn 257.610	4953.98	ppb	17.5882	0.4	611711	99.07961
Mo 202.032	496.061	ppb	1.8878	0.4	1974.88	99.21211
Na 330.237	7272.36	ppb	171.407	2.4	253.066	96.96478
Ni 231.604	2601.28	ppb	3.9652	0.2	4794.15	104.05109
Pb 220.353	528.451	ppb	1.0818	0.2	476.176	105.69020
Sb 206.834	946.841	ppb	9.0125	1.0	858.745	94.68410
Se 196.026	4641.63	ppb	9.8347	0.2	1190.94	92.83266
Sn 189.925	5192.66	ppb	27.7081	0.5	2271.61	103.85327
Sr 216.596	2551.91	ppb	7.6012	0.3	17010.6	102.07642
Ti 334.941	531.043	ppb	0.7145	0.1	101436	106.20868
Tl 190.794	4514.12	ppb	23.3240	0.5	2755.81	90.28246
V 292.401	3629.91	ppb	25.6226	0.7	48102.1	72.59812Q
Zn 206.200	2590.54	ppb	13.5321	0.5	1550.52	103.62165

Cont Calib Blank (CCB) **8/30/2014, 5:31:34 AM** **Rack 4, Tube 26**

Weight: 1 **Volume: 1** **Dilution: 1**

Label	Replicates Concentration		
Ag 328.068	-0.0326u	-0.2468u	0.1068
Al 308.215	2.2236	2.1181	3.4171
As 188.980	-1.7975u	-4.3683u	-5.1664u

Label	Replicates Concentration		
B 249.678	7.6326	6.0565	5.5452
Ba 389.178	-0.1127u	1.1648	1.2780
Be 313.042	0.0282	0.0126	0.0096
Ca 370.602	5.407	10.80	7.750
Cd 226.502	0.0803	-0.0315u	0.0979
Co 228.615	0.3339	0.8694	0.5372
Cr 267.716	0.1269	0.2862	0.4921
Cu 324.754	-2.3571u	-2.3214u	-2.0735u
Fe 271.441	-2.6442u	-10.0247u	-2.2876u
K 766.491	1.1192	0.5994	0.5113
Mg 279.078	-0.8754u	-2.8891u	1.0369
Mn 257.610	0.2298	0.4596	0.4326
Mo 202.032	0.0786	0.2570	-0.0525u
Na 330.237	-5.9107u	-45.1070u	-58.9572u
Ni 231.604	2.3509	2.0967	52.7927
Pb 220.353	-1.3933u	2.2247	2.2925
Sb 206.834	-1.7780u	-3.5520u	-1.9311u
Se 196.026	4.3911	-5.0065u	1.8440
Sn 189.925	-1.4128u	-5.6147u	-0.2947u
Sr 216.596	-0.1413u	0.1786	0.2986
Ti 334.941	0.0812	0.1366	0.1270
Tl 190.794	-3.1447u	-2.2057u	3.4688
V 292.401	0.3881	-0.1212u	-0.1958u
Zn 206.200	-1.9505u	-1.3812u	0.6387

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Ag 328.068	-0.0575	ppb	0.1781	309.6	16.3086	-0.05752
Al 308.215	2.5863	ppb	0.7215	27.9	322.373	2.58627
As 188.980	-3.7774	ppb	1.7605	46.6	-3.4483	-3.77742
B 249.678	6.4114	ppb	1.0880	17.0	134.782	6.41144
Ba 389.178	0.7767	ppb	0.7723	99.4	-29.9938	0.77670
Be 313.042	0.0168	ppb	0.0100	59.6	-229.798	0.01679
Ca 370.602	7.985	ppb	2.703	33.9	35.07	7.98489
Cd 226.502	0.0489	ppb	0.0702	143.6	5.1723	0.04891
Co 228.615	0.5802	ppb	0.2703	46.6	11.8779	0.58015
Cr 267.716	0.3017	ppb	0.1831	60.7	22.6784	0.30174
Cu 324.754	-2.2507	ppb	0.1545	6.9	249.840	-2.25065
Fe 271.441	-4.9855	ppb	4.3677	87.6	-7.9503	-4.98548
K 766.491	0.7433	ppb	0.3285	44.2	195.775	0.74329
Mg 279.078	-0.9092	ppb	1.9632	215.9	10.7253	-0.90922
Mn 257.610	0.3740	ppb	0.1256	33.6	78.3432	0.37399
Mo 202.032	0.0944	ppb	0.1554	164.6	4.6305	0.09437
Na 330.237	-36.6583	ppb	27.5140	75.1	16.9812	-36.65830
Ni 231.604	19.0801	ppb	29.1962	153.0	33.6933	19.08009
Pb 220.353	1.0413	ppb	2.1087	202.5	2.3007	1.04131
Sb 206.834	-2.4204	ppb	0.9830	40.6	-0.6667	-2.42038
Se 196.026	0.4095	ppb	4.8602	1186.8	2.2069	0.40952
Sn 189.925	-2.4407	ppb	2.8050	114.9	-2.6287	-2.44074
Sr 216.596	0.1120	ppb	0.2274	203.1	1.8374	0.11197
Ti 334.941	0.1149	ppb	0.0296	25.8	36.8010	0.11493
Tl 190.794	-0.6272	ppb	3.5782	570.5	-2.8936	-0.62721
V 292.401	0.0237	ppb	0.3178	1342.5	-4.7071	0.02367
Zn 206.200	-0.8977	ppb	1.3606	151.6	-0.6023	-0.89767

mb 680-346417/1-a (Samp) **8/30/2014, 5:35:54 AM** **Rack 4, Tube 27**

Weight: 1 **Volume: 1** **Dilution: 1**

Label	Replicates Concentration		
Ag 328.068	-0.1962u	0.0023	-0.0650u
Al 308.215	5.3907	3.7895	5.6662
As 188.980	-2.7394u	0.6060	-0.9991u
B 249.678	-0.7296u	-0.2965u	-1.6274u
Ba 389.178	1.2304	1.3448	0.9552
Be 313.042	0.0107	-0.0144u	-0.0141u
Ca 370.602	1.666	6.520	6.394
Cd 226.502	-0.2682u	0.0898	0.1154
Co 228.615	0.7140	0.2589	0.0081
Cr 267.716	0.0080	0.0687	0.1260
Cu 324.754	-2.4817u	-2.3133u	-2.1730u
Fe 271.441	-1.5092u	-1.9584u	-3.7131u
K 766.491	1.3381	1.6044	1.1927
Mg 279.078	-2.9198u	2.6573	0.3111
Mn 257.610	0.1072	0.1549	0.1439
Mo 202.032	-0.0473u	0.4235	0.0423
Na 330.237	-1.8142u	-179.723u	98.8893
Ni 231.604	14.4795	6.7115	-0.7699u
Pb 220.353	0.1325	-1.8949u	-0.4916u
Sb 206.834	-1.2939u	-4.7454u	-0.9419u
Se 196.026	3.7923	-2.9657u	7.9802
Sn 189.925	-2.6395u	-2.3562u	2.2048
Sr 216.596	0.0152u	-0.6593u	-0.1330u
Ti 334.941	0.0227	-0.0310u	-0.0452u
Tl 190.794	-3.2651u	1.1211	1.2928
V 292.401	-0.4003u	-0.1738u	-0.3131u
Zn 206.200	0.7594	6.0229	0.3515

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.0863	ppb	0.1010	117.0	14.7285
Al 308.215	4.9488	ppb	1.0134	20.5	333.809
As 188.980	-1.0442	ppb	1.6732	160.2	-2.4699
B 249.678	-0.8845	ppb	0.6788	76.7	67.4012
Ba 389.178	1.1768	ppb	0.2002	17.0	-24.0091
Be 313.042	-0.0059	ppb	0.0144	241.8	-252.097
Ca 370.602	4.860	ppb	2.767	56.9	29.54
Cd 226.502	-0.0210	ppb	0.2145	1021.9	3.5487
Co 228.615	0.3270	ppb	0.3579	109.4	10.4446
Cr 267.716	0.0676	ppb	0.0590	87.3	15.8069
Cu 324.754	-2.3227	ppb	0.1546	6.7	246.948
Fe 271.441	-2.3936	ppb	1.1646	48.7	-5.9367
K 766.491	1.3784	ppb	0.2088	15.1	213.771
Mg 279.078	0.0162	ppb	2.8002	17294.2	12.2345
Mn 257.610	0.1353	ppb	0.0250	18.5	48.8960
Mo 202.032	0.1395	ppb	0.2500	179.2	4.8102
Na 330.237	-27.5494	ppb	141.078	512.1	17.2720
Ni 231.604	6.8070	ppb	7.6252	112.0	11.0655
Pb 220.353	-0.7513	ppb	1.0383	138.2	0.6984
Sb 206.834	-2.3270	ppb	2.1017	90.3	-0.5864
Se 196.026	2.9356	ppb	5.5230	188.1	2.8535
Sn 189.925	-0.9303	ppb	2.7188	292.2	-1.9674
Sr 216.596	-0.2591	ppb	0.3545	136.8	-0.4496

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ti 334.941	-0.0178	ppb	0.0358	201.0	11.4506
Tl 190.794	-0.2837	ppb	2.5834	910.5	-2.6847
V 292.401	-0.2958	ppb	0.1143	38.6	-8.9466
Zn 206.200	2.3780	ppb	3.1632	133.0	1.3700

lcs 680-346417/2-a (Samp) **8/30/2014, 5:40:13 AM** **Rack 4, Tube 28**

Weight: 1 **Volume: 1** **Dilution: 1**

Label	Replicates Concentration		
Ag 328.068	55.9650	56.0106	55.9205
Al 308.215	5146.10	5147.64	5141.28
As 188.980	97.1421	103.008	100.326
B 249.678	202.183	202.833	203.002
Ba 389.178	109.579	109.153	109.635
Be 313.042	48.9494	49.0651	48.7216
Ca 370.602	5451	5512	5532
Cd 226.502	53.0372	52.7939	52.3523
Co 228.615	40.0918	39.5897	39.2961
Cr 267.716	100.059	100.325	100.011
Cu 324.754	62.9340	64.0252	62.1791
Fe 271.441	4067.52	4072.78	3971.72
K 766.491	3335.69	3367.70	3378.49
Mg 279.078	5273.39	5282.00	5274.70
Mn 257.610	482.770	482.777	476.701
Mo 202.032	96.5771	98.6338	97.4576
Na 330.237	5004.88	4837.55	4792.91
Ni 231.604	234.347	143.890	132.554
Pb 220.353	50.7195	51.4498	54.5361
Sb 206.834	43.9109	45.3076	46.0596
Se 196.026	96.3612	74.5914	96.1053
Sn 189.925	216.038	202.294	208.645
Sr 216.596	99.8590	101.695	99.8906
Ti 334.941	105.152	105.202	104.750
Tl 190.794	36.5337	37.5237	35.2434
V 292.401	67.5220	67.1801	65.4240
Zn 206.200	103.452	100.930	103.280

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	55.9654	ppb	0.0450	0.1	3097.60
Al 308.215	5145.01	ppb	3.3184	0.1	25278.5
As 188.980	100.159	ppb	2.9364	2.9	33.7555
B 249.678	202.673	ppb	0.4327	0.2	1942.48
Ba 389.178	109.456	ppb	0.2634	0.2	1601.60
Be 313.042	48.9120	ppb	0.1748	0.4	47705.4
Ca 370.602	5498	ppb	42.17	0.8	9655
Cd 226.502	52.7278	ppb	0.3472	0.7	1247.85
Co 228.615	39.6592	ppb	0.4024	1.0	232.798
Cr 267.716	100.131	ppb	0.1690	0.2	2955.03
Cu 324.754	63.0461	ppb	0.9281	1.5	2876.40
Fe 271.441	4037.34	ppb	56.8884	1.4	3149.02
K 766.491	3360.63	ppb	22.2570	0.7	95401.0
Mg 279.078	5276.70	ppb	4.6371	0.1	8595.12
Mn 257.610	480.749	ppb	3.5056	0.7	59418.7
Mo 202.032	97.5561	ppb	1.0319	1.1	392.142

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Na 330.237	4878.45	ppb	111.747	2.3	187.827
Ni 231.604	170.263	ppb	55.7867	32.8	312.591
Pb 220.353	52.2352	ppb	2.0259	3.9	48.1658
Sb 206.834	45.0927	ppb	1.0903	2.4	40.5508
Se 196.026	89.0193	ppb	12.4956	14.0	24.9732
Sn 189.925	208.992	ppb	6.8787	3.3	89.9302
Sr 216.596	100.482	ppb	1.0510	1.0	673.257
Ti 334.941	105.034	ppb	0.2477	0.2	20080.0
Tl 190.794	36.4336	ppb	1.1435	3.1	19.4803
V 292.401	66.7087	ppb	1.1257	1.7	873.052
Zn 206.200	102.554	ppb	1.4088	1.4	61.3931

640-48978-b-1-b (Samp) **8/30/2014, 5:44:32 AM** **Rack 4, Tube 29**

Weight: 1 **Volume: 1** **Dilution: 1**

Label	Replicates Concentration		
Ag 328.068	0.2444	0.1236	0.4725
Al 308.215	290.677	289.789	290.807
As 188.980	-2.4742u	0.7796	7.0823
B 249.678	11.5511	11.9344	11.0206
Ba 389.178	5.9994	6.6308	6.2935
Be 313.042	-0.0008u	0.0075	0.0080
Ca 370.602	1154	1146	1139
Cd 226.502	0.3058	-0.1434u	-0.1648u
Co 228.615	-0.0924u	0.6062	0.6082
Cr 267.716	0.6046	0.3837	0.4850
Cu 324.754	-1.6984u	-2.0281u	-2.2829u
Fe 271.441	394.191	391.024	393.250
K 766.491	65.6523	65.9194	65.2294
Mg 279.078	514.428	511.785	511.282
Mn 257.610	22.8776	22.9314	22.9476
Mo 202.032	0.8251	-0.1860u	-0.3081u
Na 330.237	1726.99	1829.21	1793.71
Ni 231.604	-0.8397u	-1.3110u	3.7913
Pb 220.353	-1.3063u	-2.0211u	0.6825
Sb 206.834	2.4373	-3.2853u	-2.6072u
Se 196.026	-0.6463u	14.4954	15.5002
Sn 189.925	-0.4452u	5.4356	0.4279
Sr 216.596	4.1282	4.8012	4.3269
Ti 334.941	0.8920	0.7871	0.8976
Tl 190.794	4.0068	-4.8000u	-4.8558u
V 292.401	0.6135	0.7444	0.5333
Zn 206.200	6.6644	4.7858	1.4054

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	0.2802	ppb	0.1772	63.2	34.8142
Al 308.215	290.424	ppb	0.5545	0.2	1718.97
As 188.980	1.7959	ppb	4.8586	270.5	-1.4531
B 249.678	11.5020	ppb	0.4589	4.0	181.306
Ba 389.178	6.3079	ppb	0.3159	5.0	53.3201
Be 313.042	0.0049	ppb	0.0049	100.9	-241.334
Ca 370.602	1146	ppb	7.529	0.7	2026
Cd 226.502	-0.0008	ppb	0.2658	33496.8	5.3815
Co 228.615	0.3740	ppb	0.4039	108.0	10.7323

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Cr 267.716	0.4911	ppb	0.1105	22.5	28.4193
Cu 324.754	-2.0031	ppb	0.2931	14.6	259.878
Fe 271.441	392.822	ppb	1.6266	0.4	302.439
K 766.491	65.6003	ppb	0.3479	0.5	2033.56
Mg 279.078	512.498	ppb	1.6902	0.3	846.174
Mn 257.610	22.9189	ppb	0.0367	0.2	2864.79
Mo 202.032	0.1103	ppb	0.6220	563.8	4.6826
Na 330.237	1783.30	ppb	51.8959	2.9	80.7412
Ni 231.604	0.5469	ppb	2.8196	515.6	-0.4562
Pb 220.353	-0.8816	ppb	1.4009	158.9	0.5973
Sb 206.834	-1.1517	ppb	3.1266	271.5	0.4491
Se 196.026	9.7831	ppb	9.0461	92.5	4.6112
Sn 189.925	1.8061	ppb	3.1734	175.7	-0.7692
Sr 216.596	4.4188	ppb	0.3458	7.8	31.4096
Ti 334.941	0.8589	ppb	0.0622	7.2	179.427
Tl 190.794	-1.8830	ppb	5.1008	270.9	-3.6831
V 292.401	0.6304	ppb	0.1065	16.9	3.4305
Zn 206.200	4.2852	ppb	2.6650	62.2	2.5074

640-48978-b-2-b (Samp) **8/30/2014, 5:48:51 AM** **Rack 4, Tube 30**

Weight: 1 **Volume: 1** **Dilution: 1**

Label	Replicates Concentration		
Ag 328.068	0.2595	0.2410	0.3817
Al 308.215	327.514	324.256	315.930
As 188.980	13.6013	-2.5008u	-9.0638u
B 249.678	8.7647	7.7796	7.9755
Ba 389.178	6.2179	5.8532	5.6312
Be 313.042	0.0060	0.0159	0.0234
Ca 370.602	1207	1166	1146
Cd 226.502	0.0753	-0.1515u	0.0354
Co 228.615	1.4395	-0.0248u	0.3109
Cr 267.716	0.2392	0.6983	0.6654
Cu 324.754	-1.9841u	-1.8097u	-2.1618u
Fe 271.441	666.961	641.790	632.178
K 766.491	86.2545	81.1840	78.2234
Mg 279.078	554.437	546.733	541.489
Mn 257.610	35.0031	34.5327	33.9657
Mo 202.032	-0.4452u	-0.3026u	0.3103
Na 330.237	1940.97	1791.31	1694.76
Ni 231.604	43.9017	2.4793	0.9876
Pb 220.353	-0.9436u	1.7700	-2.2991u
Sb 206.834	2.9801	0.7924	0.0779
Se 196.026	7.5642	6.7376	10.7592
Sn 189.925	-0.9002u	0.0021	-2.6837u
Sr 216.596	3.6793	4.8174	3.9972
Ti 334.941	1.1361	1.1718	1.0625
Tl 190.794	-3.9784u	0.2256	0.0666
V 292.401	0.8576	1.1008	1.0024
Zn 206.200	2.7770	3.9101	6.9730

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	0.2941	ppb	0.0765	26.0	35.6095
Al 308.215	322.567	ppb	5.9743	1.9	1875.18

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
As 188.980	0.6789	ppb	11.6623	1717.8	-1.8536
B 249.678	8.1733	ppb	0.5215	6.4	150.253
Ba 389.178	5.9008	ppb	0.2962	5.0	47.3555
Be 313.042	0.0151	ppb	0.0087	57.8	-231.280
Ca 370.602	1173	ppb	30.95	2.6	2071
Cd 226.502	-0.0136	ppb	0.1211	889.3	5.9261
Co 228.615	0.5752	ppb	0.7671	133.4	11.8855
Cr 267.716	0.5343	ppb	0.2561	47.9	29.7798
Cu 324.754	-1.9852	ppb	0.1761	8.9	260.646
Fe 271.441	646.976	ppb	17.9623	2.8	500.743
K 766.491	81.8873	ppb	4.0615	5.0	2495.06
Mg 279.078	547.553	ppb	6.5127	1.2	903.091
Mn 257.610	34.5005	ppb	0.5195	1.5	4295.30
Mo 202.032	-0.1458	ppb	0.4014	275.2	3.6568
Na 330.237	1809.01	ppb	124.060	6.9	81.6003
Ni 231.604	15.7895	ppb	24.3573	154.3	27.6596
Pb 220.353	-0.4909	ppb	2.0720	422.1	0.9571
Sb 206.834	1.2835	ppb	1.5122	117.8	2.5797
Se 196.026	8.3537	ppb	2.1239	25.4	4.2481
Sn 189.925	-1.1939	ppb	1.3668	114.5	-2.0825
Sr 216.596	4.1646	ppb	0.5872	14.1	29.6577
Ti 334.941	1.1235	ppb	0.0558	5.0	230.005
Tl 190.794	-1.2287	ppb	2.3826	193.9	-3.2983
V 292.401	0.9869	ppb	0.1224	12.4	8.2415
Zn 206.200	4.5534	ppb	2.1707	47.7	2.6625

640-48978-b-3-b (Samp) **8/30/2014, 5:53:10 AM** **Rack 4, Tube 31**

Weight: 1 **Volume: 1** **Dilution: 1**

Label	Replicates Concentration		
Ag 328.068	0.3432	0.0226	-0.0242u
Al 308.215	93.4841	86.9277	84.4073
As 188.980	-0.7521u	-9.7624u	-2.0592u
B 249.678	-2.6739u	-3.1766u	-3.9864u
Ba 389.178	0.6521	0.2060	0.5882
Be 313.042	0.0370	0.0213	0.0191
Ca 370.602	698.8	672.6	658.1
Cd 226.502	-0.0592u	-0.1937u	-0.2077u
Co 228.615	0.6077	1.1693	0.0541
Cr 267.716	0.1572	-0.0652u	0.1424
Cu 324.754	-2.1538u	-1.7187u	-1.9476u
Fe 271.441	-2.3208u	4.6181	1.0444
K 766.491	3.1452	2.3640	2.4500
Mg 279.078	29.7279	31.3740	30.5098
Mn 257.610	0.1574	0.2670	0.2110
Mo 202.032	-0.4599u	-0.6681u	-0.2466u
Na 330.237	1632.31	1644.90	1409.10
Ni 231.604	-1.2843u	40.4560	87.7083
Pb 220.353	-0.0022u	1.9192	-1.5670u
Sb 206.834	0.8840	1.6342	-1.7532u
Se 196.026	-1.6310u	0.2432	8.4631
Sn 189.925	-5.8895u	-1.6618u	-2.6133u
Sr 216.596	1.6340	0.8720	-0.2911u
Ti 334.941	0.5882	0.5484	0.4882

Label	Replicates Concentration		
Tl 190.794	-2.8213u	3.3561	2.5252
V 292.401	0.4054	0.1487	0.0425
Zn 206.200	-0.3330u	-1.5623u	3.7550

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	0.1139	ppb	0.2000	175.6	25.7296
Al 308.215	88.2730	ppb	4.6856	5.3	737.957
As 188.980	-4.1912	ppb	4.8688	116.2	-3.5959
B 249.678	-3.2790	ppb	0.6622	20.2	45.3072
Ba 389.178	0.4821	ppb	0.2412	50.0	-34.3702
Be 313.042	0.0258	ppb	0.0098	37.9	-220.867
Ca 370.602	676.5	ppb	20.65	3.1	1206
Cd 226.502	-0.1536	ppb	0.0820	53.4	0.4379
Co 228.615	0.6103	ppb	0.5576	91.4	12.0587
Cr 267.716	0.0781	ppb	0.1244	159.2	16.1300
Cu 324.754	-1.9400	ppb	0.2176	11.2	262.311
Fe 271.441	1.1139	ppb	3.4700	311.5	-3.1914
K 766.491	2.6531	ppb	0.4284	16.1	249.890
Mg 279.078	30.5372	ppb	0.8234	2.7	61.9011
Mn 257.610	0.2118	ppb	0.0548	25.9	58.4546
Mo 202.032	-0.4582	ppb	0.2108	46.0	2.4325
Na 330.237	1562.11	ppb	132.653	8.5	73.0818
Ni 231.604	42.2933	ppb	44.5247	105.3	76.4918
Pb 220.353	0.1166	ppb	1.7462	1497.0	1.4735
Sb 206.834	0.2550	ppb	1.7791	697.7	1.6675
Se 196.026	2.3584	ppb	5.3692	227.7	2.7057
Sn 189.925	-3.3882	ppb	2.2178	65.5	-3.0432
Sr 216.596	0.7383	ppb	0.9695	131.3	5.7941
Ti 334.941	0.5416	ppb	0.0504	9.3	118.243
Tl 190.794	1.0200	ppb	3.3525	328.7	-1.8876
V 292.401	0.1989	ppb	0.1865	93.8	-2.3396
Zn 206.200	0.6199	ppb	2.7838	449.1	0.3118

480-66124-f-1-d (Samp) **8/30/2014, 5:57:30 AM** **Rack 4, Tube 32**

Weight: 1 **Volume: 1** **Dilution: 1**

Label	Replicates Concentration		
Ag 328.068	-0.7272u	0.0107u	-0.4182u
Al 308.215	35.2736	39.8839	37.0058
As 188.980	9.0927	-1.4696u	8.7091
B 249.678	7035.55	7032.82	7078.92
Ba 389.178	1081.22	1080.89	1075.99
Be 313.042	0.0602	0.0541	0.0686
Ca 370.602	150786	150339	151455
Cd 226.502	-1.4310	-1.3819	-1.6747
Co 228.615	8.8936	8.4836	8.8661
Cr 267.716	1.8737	1.8930	1.7456
Cu 324.754	-1.6465u	-2.5690u	-1.6474u
Fe 271.441	25790.9	25600.2	25702.3
K 766.491	19005.8	19222.3	19261.8
Mg 279.078	177528	176520	176680
Mn 257.610	206.481	204.176	204.844
Mo 202.032	-1.6673u	-0.4206u	-1.2976u
Na 330.237	837011x	831527x	834307x

Label	Replicates Concentration		
Ni 231.604	37.8610	105.376	160.940
Pb 220.353	-4.0864u	-6.2423u	-0.0879
Sb 206.834	4.5610	-3.9115u	2.6715
Se 196.026	0.4580	-4.7961u	13.2706
Sn 189.925	4.7556	3.2868	0.5549
Sr 216.596	2546.52	2504.69	2513.30
Ti 334.941	-0.0332	-0.1312	0.1117
Tl 190.794	-0.5872u	-2.7642u	-5.5735u
V 292.401	2.6233	2.3874	2.5456
Zn 206.200	9.8281	7.3319	6.7235

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.3782b	ppb	0.3706	98.0	-54.3670
Al 308.215	37.3878b	ppb	2.3288	6.2	522.088
As 188.980	5.4441b	ppb	5.9905	110.0	-0.2358
B 249.678	7049.10b	ppb	25.8665	0.4	65152.3
Ba 389.178	1079.37b	ppb	2.9244	0.3	16267.5
Be 313.042	0.0610b	ppb	0.0073	12.0	-208.720
Ca 370.602	150860b	ppb	561.9	0.4	264026
Cd 226.502	-1.4959b	ppb	0.1568	10.5	54.0892
Co 228.615	8.7478b	ppb	0.2292	2.6	58.9325
Cr 267.716	1.8375b	ppb	0.0801	4.4	82.9595
Cu 324.754	-1.9543b	ppb	0.5323	27.2	267.679
Fe 271.441	25697.8b	ppb	95.4050	0.4	20047.3
K 766.491	19163.3b	ppb	137.843	0.7	543184
Mg 279.078	176909b	ppb	541.596	0.3	288007
Mn 257.610	205.167b	ppb	1.1861	0.6	26170.9
Mo 202.032	-1.1285b	ppb	0.6403	56.7	-0.9262
Na 330.237	834281xb	ppb	2742.06	0.3	29295.4
Ni 231.604	101.392b	ppb	61.6361	60.8	186.723
Pb 220.353	-3.4722b	ppb	3.1228	89.9	-0.7561
Sb 206.834	1.1070b	ppb	4.4476	401.8	2.9307
Se 196.026	2.9775b	ppb	9.2931	312.1	3.0179
Sn 189.925	2.8658b	ppb	2.1318	74.4	-0.1661
Sr 216.596	2521.50b	ppb	22.0900	0.9	16890.9
Ti 334.941	-0.0176b	ppb	0.1222	695.2	176.870
Tl 190.794	-2.9750b	ppb	2.4998	84.0	-6.1402
V 292.401	2.5188b	ppb	0.1202	4.8	31.3095
Zn 206.200	7.9612b	ppb	1.6452	20.7	4.0857

480-66124-f-1-e ms (Samp) **8/30/2014, 6:01:50 AM** **Rack 4, Tube 33**

Weight: 1 **Volume: 1** **Dilution: 1**

Label	Replicates Concentration		
Ag 328.068	58.3395	59.0777	59.1011
Al 308.215	5388.58	5403.41	5446.26
As 188.980	114.364	106.726	105.435
B 249.678	7441.28	7511.92	7572.01
Ba 389.178	1137.28	1140.42	1149.25
Be 313.042	52.6655	52.7811	53.0330
Ca 370.602	166783	167018	167596
Cd 226.502	47.2793	48.0599	47.7230
Co 228.615	59.9204	58.3649	60.4654
Cr 267.716	107.110	108.736	109.294

Label	Replicates Concentration		
Cu 324.754	88.7270	90.8297	89.5227
Fe 271.441	31366.0	31458.1	31548.4
K 766.491	22896.9	22959.4	22943.6
Mg 279.078	184189	184826	186271
Mn 257.610	737.155	738.754	742.513
Mo 202.032	95.4356	96.5166	99.1144
Na 330.237	829358x	833206x	837788x
Ni 231.604	128.578	132.184	131.694
Pb 220.353	43.4909	47.2118	43.2485
Sb 206.834	52.5217	57.4642	57.5983
Se 196.026	115.039	113.975	112.633
Sn 189.925	201.500	201.767	217.119
Sr 216.596	2635.03	2647.22	2660.55
Ti 334.941	98.0603	98.6762	99.1081
Tl 190.794	30.3472	33.7402	29.0342
V 292.401	92.4469	91.1355	91.9483
Zn 206.200	102.030	102.797	110.929

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	58.8395b	ppb	0.4331	0.7	3203.90
Al 308.215	5412.75b	ppb	29.9499	0.6	26610.1
As 188.980	108.841b	ppb	4.8258	4.4	36.7734
B 249.678	7508.41b	ppb	65.4373	0.9	69388.2
Ba 389.178	1142.32b	ppb	6.2046	0.5	17218.2
Be 313.042	52.8265b	ppb	0.1879	0.4	51521.9
Ca 370.602	167133b	ppb	418.5	0.3	292518
Cd 226.502	47.6874b	ppb	0.3915	0.8	1219.33
Co 228.615	59.5836b	ppb	1.0900	1.8	346.414
Cr 267.716	108.380b	ppb	1.1346	1.0	3212.79
Cu 324.754	89.6931b	ppb	1.0616	1.2	3953.09
Fe 271.441	31457.5b	ppb	91.2015	0.3	24544.7
K 766.491	22933.3b	ppb	32.4994	0.1	650009
Mg 279.078	185095b	ppb	1066.97	0.6	301326
Mn 257.610	739.474b	ppb	2.7505	0.4	92183.0
Mo 202.032	97.0222b	ppb	1.8908	1.9	389.283
Na 330.237	833451xb	ppb	4220.42	0.5	29264.5
Ni 231.604	130.819b	ppb	1.9558	1.5	241.188
Pb 220.353	44.6504b	ppb	2.2215	5.0	42.4183
Sb 206.834	55.8614b	ppb	2.8930	5.2	50.5449
Se 196.026	113.882b	ppb	1.2056	1.1	31.5029
Sn 189.925	206.795b	ppb	8.9417	4.3	89.1095
Sr 216.596	2647.60b	ppb	12.7625	0.5	17736.9
Ti 334.941	98.6149b	ppb	0.5266	0.5	19022.0
Tl 190.794	31.0405b	ppb	2.4284	7.8	14.3397
V 292.401	91.8436b	ppb	0.6620	0.7	1211.02
Zn 206.200	105.252b	ppb	4.9312	4.7	62.3501

480-66124-f-1-f msd (Samp) **8/30/2014, 6:06:09 AM** **Rack 4, Tube 34**

Weight: 1 **Volume: 1** **Dilution: 1**

Label	Replicates Concentration		
Ag 328.068	60.3671	60.2879	60.6100
Al 308.215	5538.27	5520.91	5549.83
As 188.980	106.414	103.466	102.395

Label	Replicates Concentration		
B 249.678	8493.90	8488.58	8513.87
Ba 389.178	865.666	862.874	867.634
Be 313.042	54.2874	54.1360	54.4688
Ca 370.602	173756	173767	175164
Cd 226.502	49.1735	49.3248	50.0120
Co 228.615	60.9401	59.2638	61.7158
Cr 267.716	111.417	111.419	110.870
Cu 324.754	91.8836	92.3347	92.4845
Fe 271.441	9729.97	9711.80	9758.12
K 766.491	25164.9	25127.6	25532.3
Mg 279.078	197921	197214	197795
Mn 257.610	748.537	747.332	749.242
Mo 202.032	99.1717	97.9560	100.089
Na 330.237	906500x	904660x	900090x
Ni 231.604	140.778	138.322	251.953
Pb 220.353	46.4376	43.6200	46.8420
Sb 206.834	46.4714	50.5690	55.0611
Se 196.026	107.358	119.604	115.063
Sn 189.925	220.789	213.204	213.197
Sr 216.596	2682.55	2671.47	2676.12
Ti 334.941	99.8909	99.5729	100.481
Tl 190.794	37.7926	30.0291	41.0732
V 292.401	92.7920	92.2917	93.0154
Zn 206.200	99.4447	109.846	105.013

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	60.4217b	ppb	0.1678	0.3	3293.75
Al 308.215	5536.34b	ppb	14.5544	0.3	27183.8
As 188.980	104.092b	ppb	2.0813	2.0	35.1480
B 249.678	8498.78b	ppb	13.3297	0.2	78562.9
Ba 389.178	865.392b	ppb	2.3921	0.3	13081.3
Be 313.042	54.2974b	ppb	0.1666	0.3	52960.0
Ca 370.602	174229b	ppb	809.6	0.5	305102
Cd 226.502	49.5034b	ppb	0.4468	0.9	1189.21
Co 228.615	60.6399b	ppb	1.2532	2.1	351.680
Cr 267.716	111.235b	ppb	0.3165	0.3	3291.92
Cu 324.754	92.2343b	ppb	0.3128	0.3	4050.21
Fe 271.441	9733.30b	ppb	23.3382	0.2	7594.21
K 766.491	25274.9b	ppb	223.661	0.9	716362
Mg 279.078	197644b	ppb	377.052	0.2	321753
Mn 257.610	748.370b	ppb	0.9660	0.1	93294.5
Mo 202.032	99.0722b	ppb	1.0699	1.1	398.017
Na 330.237	903750xb	ppb	3300.60	0.4	31735.5
Ni 231.604	177.018b	ppb	64.9076	36.7	325.290
Pb 220.353	45.6332b	ppb	1.7552	3.8	42.4961
Sb 206.834	50.7005b	ppb	4.2964	8.5	45.6214
Se 196.026	114.008b	ppb	6.1908	5.4	31.4298
Sn 189.925	215.730b	ppb	4.3813	2.0	93.0340
Sr 216.596	2676.71b	ppb	5.5642	0.2	17917.0
Ti 334.941	99.9815b	ppb	0.4607	0.5	19290.7
Tl 190.794	36.2983b	ppb	5.6717	15.6	19.1359
V 292.401	92.6997b	ppb	0.3706	0.4	1218.19
Zn 206.200	104.768b	ppb	5.2050	5.0	62.5957

680-104653-g-1-b (Samp) **8/30/2014, 6:10:28 AM** **Rack 4, Tube 35**

Weight: 1 **Volume: 1** **Dilution: 1**

Label	Replicates Concentration		
Ag 328.068	-0.2430u	-0.1405u	-0.0107u
Al 308.215	51.5047	54.7802	51.8549
As 188.980	3.5370	14.9256	10.9516
B 249.678	931.476	917.076	902.260
Ba 389.178	146.531	147.185	146.158
Be 313.042	0.0909	0.1088	0.0920
Ca 370.602	144328	144481	144014
Cd 226.502	-0.3769u	-0.1110u	-0.2333u
Co 228.615	2.5488	1.7993	1.8329
Cr 267.716	0.3005	0.1263	-0.0986
Cu 324.754	7.2294	6.8858	6.8633
Fe 271.441	209.658	214.618	221.172
K 766.491	4848.80	4837.35	4801.16
Mg 279.078	26287.4	26247.9	26311.2
Mn 257.610	1450.07	1450.31	1444.55
Mo 202.032	0.0860	-0.0670u	0.5244
Na 330.237	106425	106305	106424
Ni 231.604	9.9791	9.1417	30.9318
Pb 220.353	3.4013	-4.9885u	-0.6564u
Sb 206.834	1.3996	0.6701	0.7763
Se 196.026	2.3061	3.8034	3.3804
Sn 189.925	-3.0651u	-2.2940u	-1.7673u
Sr 216.596	635.425	640.333	639.305
Ti 334.941	0.5945	0.5156	0.5265
Tl 190.794	3.6831	-3.1908u	-9.3353u
V 292.401	1.2951	0.8461	1.4792
Zn 206.200	24.1255	18.6202	22.9826

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.1314	ppb	0.1164	88.6	4.9621
Al 308.215	52.7133	ppb	1.7986	3.4	565.801
As 188.980	9.8047	ppb	5.7802	59.0	1.4132
B 249.678	916.937	ppb	14.6085	1.6	8544.63
Ba 389.178	146.624	ppb	0.5197	0.4	2174.37
Be 313.042	0.0972	ppb	0.0100	10.3	-135.073
Ca 370.602	144274	ppb	238.1	0.2	252697
Cd 226.502	-0.2404	ppb	0.1331	55.4	-1.0456
Co 228.615	2.0603	ppb	0.4234	20.5	20.2630
Cr 267.716	0.1094	ppb	0.2001	182.9	21.9647
Cu 324.754	6.9928	ppb	0.2052	2.9	621.319
Fe 271.441	215.149	ppb	5.7753	2.7	163.896
K 766.491	4829.11	ppb	24.8682	0.5	137012
Mg 279.078	26282.2	ppb	31.9404	0.1	42780.1
Mn 257.610	1448.31	ppb	3.2549	0.2	178962
Mo 202.032	0.1812	ppb	0.3069	169.4	4.9696
Na 330.237	106385	ppb	68.7174	0.1	3751.96
Ni 231.604	16.6842	ppb	12.3459	74.0	29.2840
Pb 220.353	-0.7479	ppb	4.1956	561.0	0.8754
Sb 206.834	0.9487	ppb	0.3941	41.5	2.2738
Se 196.026	3.1633	ppb	0.7719	24.4	3.0970
Sn 189.925	-2.3754	ppb	0.6527	27.5	-2.5815
Sr 216.596	638.354	ppb	2.5885	0.4	4291.12

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ti 334.941	0.5455	ppb	0.0428	7.8	143.446
Tl 190.794	-2.9476	ppb	6.5126	220.9	-3.9110
V 292.401	1.2068	ppb	0.3257	27.0	10.8497
Zn 206.200	21.9095	ppb	2.9053	13.3	13.1234

180-36162-b-1-b (Samp) **8/30/2014, 6:14:47 AM** **Rack 4, Tube 36**

Weight: 1 **Volume: 1** **Dilution: 1**

Label	Replicates Concentration		
Ag 328.068	0.1376	-0.1234u	0.2686
Al 308.215	62.6404	60.2365	68.6943
As 188.980	0.7059	-1.3795u	-4.2348u
B 249.678	102.657	98.5270	96.5460
Ba 389.178	0.0748	1.7388	-0.0530u
Be 313.042	0.1233	0.1145	0.1210
Ca 370.602	778.0	776.5	815.1
Cd 226.502	-0.0133u	-0.0212u	-0.0088u
Co 228.615	1.7796	1.0884	1.3464
Cr 267.716	0.3803	0.1489	0.4930
Cu 324.754	16.1993	16.2602	17.3326
Fe 271.441	63.7690	59.7358	56.9782
K 766.491	174.486	175.095	187.136
Mg 279.078	144.838	141.245	146.030
Mn 257.610	2.3174	2.1671	2.2617
Mo 202.032	0.8491	0.1979	0.4498
Na 330.237	76938.4	77743.4	81411.2
Ni 231.604	2.6157	47.8767	133.436
Pb 220.353	-0.4196u	1.0503	0.0051
Sb 206.834	-3.4443u	2.0239	-1.4013u
Se 196.026	12.0819	-4.2560u	3.7998
Sn 189.925	-0.9569u	-2.2479u	-0.6842u
Sr 216.596	3.5826	2.9127	1.7653
Ti 334.941	0.0937	0.2231	0.0807
Tl 190.794	-0.6343u	-3.2724u	-8.5157u
V 292.401	1.4505	0.4297	0.5756
Zn 206.200	23.6417	28.7996	32.7976

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	0.0942	ppb	0.1996	211.8	24.6340
Al 308.215	63.8571	ppb	4.3582	6.8	619.670
As 188.980	-1.6361	ppb	2.4803	151.6	-2.6817
B 249.678	99.2432	ppb	3.1177	3.1	992.181
Ba 389.178	0.5869	ppb	0.9996	170.3	-32.6815
Be 313.042	0.1196	ppb	0.0045	3.8	-133.350
Ca 370.602	789.9	ppb	21.89	2.8	1404
Cd 226.502	-0.0144	ppb	0.0062	43.2	3.5930
Co 228.615	1.4048	ppb	0.3493	24.9	16.5364
Cr 267.716	0.3407	ppb	0.1754	51.5	24.6427
Cu 324.754	16.5974	ppb	0.6374	3.8	1007.25
Fe 271.441	60.1610	ppb	3.4153	5.7	42.9212
K 766.491	178.906	ppb	7.1339	4.0	5244.16
Mg 279.078	144.038	ppb	2.4909	1.7	246.652
Mn 257.610	2.2487	ppb	0.0760	3.4	310.287
Mo 202.032	0.4989	ppb	0.3284	65.8	6.2380

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Na 330.237	78697.7	ppb	2384.17	3.0	2780.18
Ni 231.604	61.3094	ppb	66.4365	108.4	111.554
Pb 220.353	0.2119	ppb	0.7564	356.9	1.5603
Sb 206.834	-0.9406	ppb	2.7630	293.8	0.6184
Se 196.026	3.8752	ppb	8.1692	210.8	3.0945
Sn 189.925	-1.2964	ppb	0.8353	64.4	-2.1138
Sr 216.596	2.7535	ppb	0.9191	33.4	19.0406
Ti 334.941	0.1325	ppb	0.0787	59.4	36.3888
Tl 190.794	-4.1408	ppb	4.0118	96.9	-5.0391
V 292.401	0.8186	ppb	0.5521	67.4	5.5529
Zn 206.200	28.4130	ppb	4.5902	16.2	17.0422

Cont Calib Verif (CCV) **8/30/2014, 6:19:07 AM** **Rack 4, Tube 37**

Weight: 1 **Volume: 1** **Dilution: 1**

Label	Replicates Concentration		
Ag 328.068	535.389	549.055	539.978
Al 308.215	4790.70	4807.48	4786.64
As 188.980	436.125	441.525	442.336
B 249.678	535.830	541.511	535.679
Ba 389.178	4867.47	4893.18	4831.82
Be 313.042	546.168	550.024	539.516
Ca 370.602	6266	6332	6252
Cd 226.502	488.620	493.220	484.785
Co 228.615	498.998	495.399	481.267
Cr 267.716	5452.80	5490.88	5416.72
Cu 324.754	4181.37	4252.84	4073.06
Fe 271.441	5213.02	5231.00	5058.37
K 766.491	5114.46	5149.64	5115.87
Mg 279.078	4993.90	5015.51	4980.78
Mn 257.610	5391.74	5427.65	5309.24
Mo 202.032	490.183	497.459	491.767
Na 330.237	6876.20	7026.07	6565.20
Ni 231.604	2329.33	2339.04	2344.07
Pb 220.353	438.582	434.076	428.655
Sb 206.834	959.100	967.851	944.262
Se 196.026	4758.88	4769.08	4722.53
Sn 189.925	4847.17	4919.74	4833.82
Sr 216.596	2424.39	2445.32	2400.03
Ti 334.941	497.146	500.589	494.385
Tl 190.794	4769.16	4819.55	4701.52
V 292.401	4409.56	4398.82	4267.42
Zn 206.200	2366.14	2384.91	2364.83

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Ag 328.068	541.474	ppb	6.9549	1.3	29793.1	108.29482
Al 308.215	4794.94	ppb	11.0508	0.2	23900.9	95.89879
As 188.980	439.995	ppb	3.3765	0.8	155.344	87.99907Q
B 249.678	537.673	ppb	3.3242	0.6	5042.68	107.53465
Ba 389.178	4864.15	ppb	30.8138	0.6	72687.1	97.28310
Be 313.042	545.236	ppb	5.3159	1.0	534435	109.04726
Ca 370.602	6284	ppb	42.43	0.7	11228	125.67040Q
Cd 226.502	488.875	ppb	4.2230	0.9	11418.2	97.77501
Co 228.615	491.888	ppb	9.3726	1.9	2793.26	98.37755

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Cr 267.716	5453.47	ppb	37.0850	0.7	160087	109.06937
Cu 324.754	4169.09	ppb	90.5184	2.2	167849	83.38183Q
Fe 271.441	5167.46	ppb	94.9065	1.8	4077.78	103.34923
K 766.491	5126.66	ppb	19.9182	0.4	145443	51.26660Q
Mg 279.078	4996.73	ppb	17.5398	0.4	8079.17	99.93459
Mn 257.610	5376.21	ppb	60.7090	1.1	663841	107.52417
Mo 202.032	493.136	ppb	3.8263	0.8	1962.89	98.62728
Na 330.237	6822.49	ppb	235.078	3.4	239.737	90.96652
Ni 231.604	2337.48	ppb	7.4910	0.3	4307.76	93.49916
Pb 220.353	433.771	ppb	4.9702	1.1	391.499	86.75423Q
Sb 206.834	957.071	ppb	11.9245	1.2	865.568	95.70708
Se 196.026	4750.16	ppb	24.4671	0.5	1218.76	95.00328
Sn 189.925	4866.91	ppb	46.2366	1.0	2129.01	97.33826
Sr 216.596	2423.25	ppb	22.6665	0.9	16157.0	96.93001
Ti 334.941	497.373	ppb	3.1080	0.6	95005.4	99.47461
Tl 190.794	4763.41	ppb	59.2231	1.2	2908.60	95.26824
V 292.401	4358.60	ppb	79.1468	1.8	57802.3	87.17197Q
Zn 206.200	2371.96	ppb	11.2300	0.5	1419.57	94.87846

Cont Calib Blank (CCB) **8/30/2014, 6:23:26 AM** **Rack 4, Tube 38**

Weight: 1 **Volume: 1** **Dilution: 1**

Label	Replicates Concentration		
Ag 328.068	0.0851	-0.0234u	0.0637
Al 308.215	55.5615	56.9646	57.6302
As 188.980	10.7678	8.3939	-4.0947u
B 249.678	21.5346	18.9008	17.7313
Ba 389.178	-0.8885u	-1.1926u	-1.3352u
Be 313.042	0.1415	0.1411	0.1525
Ca 370.602	5.017	5.847	10.96
Cd 226.502	-0.0880u	-0.1523u	-0.3645u
Co 228.615	0.5990	2.0168	2.0293
Cr 267.716	0.1778	0.4281	0.2298
Cu 324.754	-1.2672u	-1.3654u	-1.2515u
Fe 271.441	-2.3815u	0.5984	0.9220
K 766.491	-0.1073u	-0.7324u	-0.2559u
Mg 279.078	5.6242	2.0551	4.5055
Mn 257.610	0.2265	0.2287	0.6603
Mo 202.032	-0.8151u	-0.4851u	-0.9400u
Na 330.237	161.503	-38.1987u	-135.481u
Ni 231.604	-1.4152u	1.5186	-2.1528u
Pb 220.353	2.3767	-5.3759u	4.4335
Sb 206.834	0.1338	5.2945	-0.1278u
Se 196.026	1.5500	7.5842	22.1277
Sn 189.925	-6.4732u	-5.6611u	-0.0853u
Sr 216.596	-0.0164u	-1.5414u	0.5666
Ti 334.941	0.2127	0.1712	0.2000
Tl 190.794	1.2894	1.1213	-4.3313u
V 292.401	0.9921	0.2654	0.7060
Zn 206.200	0.5031	-0.1863u	-2.3231u

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Ag 328.068	0.0418	ppb	0.0575	137.6	21.7914	0.04180
Al 308.215	56.7187	ppb	1.0560	1.9	584.932	56.71875

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
As 188.980	5.0224	ppb	7.9843	159.0	-0.2979	5.02236
B 249.678	19.3889	ppb	1.9481	10.0	254.696	19.38891
Ba 389.178	-1.1388	ppb	0.2282	20.0	-58.6287	-1.13879
Be 313.042	0.1450	ppb	0.0065	4.5	-103.973	0.14503
Ca 370.602	7.275	ppb	3.219	44.2	33.90	7.27512
Cd 226.502	-0.2016	ppb	0.1447	71.8	-0.6901	-0.20160
Co 228.615	1.5484	ppb	0.8222	53.1	17.3643	1.54835
Cr 267.716	0.2786	ppb	0.1321	47.4	21.9943	0.27855
Cu 324.754	-1.2947	ppb	0.0617	4.8	288.229	-1.29469
Fe 271.441	-0.2870	ppb	1.8210	634.4	-4.2280	-0.28703
K 766.491	-0.3652	ppb	0.3266	89.4	164.366	-0.36518
Mg 279.078	4.0616	ppb	1.8255	44.9	18.8039	4.06162
Mn 257.610	0.3718	ppb	0.2498	67.2	78.0857	0.37184
Mo 202.032	-0.7468	ppb	0.2350	31.5	1.2844	-0.74675
Na 330.237	-4.0589	ppb	151.407	3730.2	18.1293	-4.05892
Ni 231.604	-0.6831	ppb	1.9421	284.3	-2.7462	-0.68312
Pb 220.353	0.4781	ppb	5.1729	1082.0	1.7969	0.47810
Sb 206.834	1.7668	ppb	3.0579	173.1	2.9893	1.76684
Se 196.026	10.4207	ppb	10.5780	101.5	4.7695	10.42065Z
Sn 189.925	-4.0732	ppb	3.4775	85.4	-3.3433	-4.07321
Sr 216.596	-0.3304	ppb	1.0885	329.5	-0.8097	-0.33039
Ti 334.941	0.1946	ppb	0.0212	10.9	52.0259	0.19462
Tl 190.794	-0.6402	ppb	3.1977	499.5	-2.8973	-0.64019
V 292.401	0.6545	ppb	0.3661	55.9	3.7496	0.65448
Zn 206.200	-0.6687	ppb	1.4736	220.3	-0.4640	-0.66874

180-36162-b-2-b (Samp) **8/30/2014, 6:27:46 AM** **Rack 4, Tube 39**

Weight: 1 **Volume: 1** **Dilution: 1**

Label	Replicates Concentration		
Ag 328.068	-0.0689u	-0.1749u	0.0755
Al 308.215	83.2161	84.0206	83.8779
As 188.980	-0.9676u	11.8685	0.7652
B 249.678	55.3942	53.4892	52.7101
Ba 389.178	33.9268	32.1186	32.3697
Be 313.042	0.1353	0.1247	0.1142
Ca 370.602	39989	39611	40059
Cd 226.502	-0.3732u	0.0628	-0.4048u
Co 228.615	1.3634	1.2886	1.0754
Cr 267.716	0.2945	0.2029	0.1669
Cu 324.754	11.8454	11.5668	11.7454
Fe 271.441	63.6814	60.9264	64.6737
K 766.491	1419.34	1409.67	1408.32
Mg 279.078	7420.75	7432.93	7425.48
Mn 257.610	7.5603	7.4974	7.4784
Mo 202.032	0.8318	0.2529	1.3444
Na 330.237	25777.6	26115.0	26045.7
Ni 231.604	71.6861	26.6672	108.457
Pb 220.353	0.1446	1.0638	2.7887
Sb 206.834	-5.9963u	-0.3908u	0.9805
Se 196.026	-7.1754u	-1.8003u	16.3555
Sn 189.925	1.3496	-1.5929u	1.6727
Sr 216.596	156.776	156.095	157.120
Ti 334.941	0.3058	0.1428	0.2366

Label	Replicates Concentration		
Tl 190.794	4.1173	-1.7620u	3.5869
V 292.401	0.4451	0.7011	-0.0905u
Zn 206.200	144.018	144.485	148.640

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.0561	ppb	0.1257	224.1	13.5446
Al 308.215	83.7049	ppb	0.4293	0.5	715.923
As 188.980	3.8887	ppb	6.9648	179.1	-0.7039
B 249.678	53.8645	ppb	1.3808	2.6	573.020
Ba 389.178	32.8050	ppb	0.9796	3.0	455.481
Be 313.042	0.1248	ppb	0.0106	8.5	-120.316
Ca 370.602	39886	ppb	240.8	0.6	69870
Cd 226.502	-0.2384	ppb	0.2613	109.6	-1.3834
Co 228.615	1.2425	ppb	0.1494	12.0	15.6193
Cr 267.716	0.2214	ppb	0.0658	29.7	20.6322
Cu 324.754	11.7192	ppb	0.1411	1.2	811.232
Fe 271.441	63.0938	ppb	1.9415	3.1	45.1750
K 766.491	1412.44	ppb	6.0089	0.4	40197.5
Mg 279.078	7426.39	ppb	6.1410	0.1	12101.8
Mn 257.610	7.5120	ppb	0.0429	0.6	990.921
Mo 202.032	0.8097	ppb	0.5461	67.4	7.4742
Na 330.237	25979.5	ppb	178.189	0.7	929.066
Ni 231.604	68.9368	ppb	40.9642	59.4	125.618
Pb 220.353	1.3323	ppb	1.3424	100.8	2.5624
Sb 206.834	-1.8022	ppb	3.6963	205.1	-0.1336
Se 196.026	2.4599	ppb	12.3304	501.2	2.7329
Sn 189.925	0.4765	ppb	1.7994	377.7	-1.3468
Sr 216.596	156.664	ppb	0.5214	0.3	1052.97
Ti 334.941	0.2284	ppb	0.0818	35.8	65.3502
Tl 190.794	1.9807	ppb	3.2521	164.2	-1.3047
V 292.401	0.3519	ppb	0.4039	114.8	-0.4218
Zn 206.200	145.714	ppb	2.5442	1.7	87.6602

180-36162-b-3-b (Samp) **8/30/2014, 6:32:06 AM** **Rack 4, Tube 40**

Weight: 1 **Volume: 1** **Dilution: 1**

Label	Replicates Concentration		
Ag 328.068	0.1962	0.0400u	-0.0144u
Al 308.215	107.447	104.887	105.347
As 188.980	8.6703	-1.7452u	-10.7025u
B 249.678	50.5384	49.5445	48.9219
Ba 389.178	32.9043	32.9678	31.8745
Be 313.042	0.1163	0.1300	0.1169
Ca 370.602	39119	39055	39164
Cd 226.502	-0.1870u	-0.1572u	-0.0874u
Co 228.615	1.7925	1.3848	2.0447
Cr 267.716	0.1475	0.1865	0.4206
Cu 324.754	11.5614	11.0394	11.5110
Fe 271.441	17.5982	18.6232	28.6231
K 766.491	1393.70	1398.37	1404.83
Mg 279.078	7092.40	7062.74	7072.94
Mn 257.610	2.3907	2.2966	2.3333
Mo 202.032	-0.3722u	1.1083	0.4851
Na 330.237	24072.6	23976.4	24253.7

Label	Replicates Concentration		
Ni 231.604	6.2055	11.5463	-1.1486u
Pb 220.353	-0.0969u	-0.5174u	-0.9326u
Sb 206.834	-3.8510u	3.7990	0.7704
Se 196.026	-6.6332u	-3.9951u	1.0844
Sn 189.925	-12.8314u	3.3507	-5.8133u
Sr 216.596	148.351	147.700	147.681
Ti 334.941	0.1447	0.1289	0.0976
Tl 190.794	-5.8182u	0.0078	5.8203
V 292.401	0.9323	0.4116	0.1647
Zn 206.200	126.132	122.492	127.203

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	0.0739	ppb	0.1093	147.9	20.8260
Al 308.215	105.893	ppb	1.3650	1.3	823.477
As 188.980	-1.2591	ppb	9.6955	770.0	-2.5463
B 249.678	49.6683	ppb	0.8154	1.6	534.340
Ba 389.178	32.5822	ppb	0.6137	1.9	451.806
Be 313.042	0.1211	ppb	0.0077	6.4	-124.048
Ca 370.602	39113	ppb	54.46	0.1	68516
Cd 226.502	-0.1439	ppb	0.0512	35.6	0.6883
Co 228.615	1.7407	ppb	0.3330	19.1	18.4408
Cr 267.716	0.2515	ppb	0.1477	58.7	21.4773
Cu 324.754	11.3706	ppb	0.2879	2.5	797.204
Fe 271.441	21.6149	ppb	6.0909	28.2	12.8529
K 766.491	1398.96	ppb	5.5899	0.4	39815.6
Mg 279.078	7076.03	ppb	15.0712	0.2	11531.5
Mn 257.610	2.3402	ppb	0.0474	2.0	350.764
Mo 202.032	0.4071	ppb	0.7433	182.6	5.8737
Na 330.237	24100.9	ppb	140.806	0.6	863.284
Ni 231.604	5.5344	ppb	6.3740	115.2	8.7184
Pb 220.353	-0.5156	ppb	0.4178	81.0	0.9087
Sb 206.834	0.2395	ppb	3.8526	1608.8	1.6493
Se 196.026	-3.1813	ppb	3.9227	123.3	1.2880
Sn 189.925	-5.0980	ppb	8.1147	159.2	-3.7874
Sr 216.596	147.911	ppb	0.3813	0.3	995.140
Ti 334.941	0.1238	ppb	0.0240	19.4	45.0269
Tl 190.794	0.0033	ppb	5.8193	175559.3	-2.5076
V 292.401	0.5029	ppb	0.3918	77.9	1.6101
Zn 206.200	125.276	ppb	2.4693	2.0	75.3566

180-36162-b-4-d (Samp) **8/30/2014, 6:36:26 AM** **Rack 4, Tube 41**

Weight: 1 **Volume: 1** **Dilution: 1**

Label	Replicates Concentration		
Ag 328.068	-0.0955u	-0.0132u	-0.3316u
Al 308.215	83.2169	83.8917	83.4120
As 188.980	7.0926	2.0398	-6.5148u
B 249.678	48.3863	48.1537	47.7098
Ba 389.178	30.7711	33.7506	33.4521
Be 313.042	0.1246	0.1176	0.1259
Ca 370.602	40128	39901	40156
Cd 226.502	-0.2995u	-0.0409u	-0.0021
Co 228.615	1.4878	1.7807	2.2930
Cr 267.716	0.3547	0.4166	0.4859

Label	Replicates Concentration		
Cu 324.754	9.4874	9.2734	8.9220
Fe 271.441	109.943	96.3205	104.699
K 766.491	1369.26	1355.58	1363.09
Mg 279.078	7315.81	7293.46	7311.77
Mn 257.610	7.0812	7.1569	7.1526
Mo 202.032	-0.4998u	0.5616	0.8684
Na 330.237	24711.7	24862.8	24868.7
Ni 231.604	0.3129	252.651	0.8809
Pb 220.353	-8.8767u	2.4078	3.5829
Sb 206.834	-0.6525u	3.7111	3.6631
Se 196.026	11.0482	18.4779	8.6384
Sn 189.925	-2.8886u	1.5097	-2.6050u
Sr 216.596	158.977	154.315	157.263
Ti 334.941	0.1384	0.1841	0.1780
Tl 190.794	3.9428	4.8574	-3.7265u
V 292.401	0.7327	0.7812	0.8770
Zn 206.200	119.089	121.930	121.693

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.1468	ppb	0.1653	112.6	8.5570
Al 308.215	83.5069	ppb	0.3473	0.4	715.023
As 188.980	0.8725	ppb	6.8784	788.3	-1.7837
B 249.678	48.0833	ppb	0.3437	0.7	519.593
Ba 389.178	32.6579	ppb	1.6409	5.0	453.178
Be 313.042	0.1227	ppb	0.0044	3.6	-122.382
Ca 370.602	40062	ppb	139.9	0.3	70177
Cd 226.502	-0.1142	ppb	0.1617	141.6	1.6651
Co 228.615	1.8539	ppb	0.4076	22.0	19.0803
Cr 267.716	0.4191	ppb	0.0657	15.7	26.4347
Cu 324.754	9.2276	ppb	0.2854	3.1	711.111
Fe 271.441	103.654	ppb	6.8709	6.6	76.8874
K 766.491	1362.64	ppb	6.8492	0.5	38786.4
Mg 279.078	7307.01	ppb	11.9071	0.2	11907.5
Mn 257.610	7.1302	ppb	0.0425	0.6	943.293
Mo 202.032	0.3101	ppb	0.7180	231.6	5.4854
Na 330.237	24814.4	ppb	89.0171	0.4	888.362
Ni 231.604	84.6151	ppb	145.524	172.0	154.525
Pb 220.353	-0.9620	ppb	6.8795	715.1	0.5135
Sb 206.834	2.2406	ppb	2.5056	111.8	3.3954
Se 196.026	12.7215	ppb	5.1287	40.3	5.3599
Sn 189.925	-1.3280	ppb	2.4616	185.4	-2.1369
Sr 216.596	156.852	ppb	2.3581	1.5	1053.89
Ti 334.941	0.1668	ppb	0.0248	14.9	53.4759
Tl 190.794	1.6912	ppb	4.7141	278.7	-1.4823
V 292.401	0.7970	ppb	0.0734	9.2	5.5161
Zn 206.200	120.904	ppb	1.5764	1.3	72.7224

180-36162-b-4-dSD^5 (Samp) **8/30/2014, 6:40:46 AM** **Rack 4, Tube 42**

Weight: 1 **Volume: 1** **Dilution: 1**

Label	Replicates Concentration		
Ag 328.068	0.3390	0.0160	0.2004
Al 308.215	65.5738	67.1209	69.2604
As 188.980	2.3067	-7.6292u	0.1148

Label	Replicates Concentration		
B 249.678	9.7617	9.7418	9.8239
Ba 389.178	3.6830	5.3414	4.6898
Be 313.042	0.1141	0.1275	0.1244
Ca 370.602	8014	8092	8000
Cd 226.502	-0.0879u	0.0213	-0.1307u
Co 228.615	2.6596	1.7844	2.3147
Cr 267.716	0.3607	0.0699	0.5172
Cu 324.754	0.5513	1.1851	1.0218
Fe 271.441	22.7999	18.3698	21.9115
K 766.491	264.124	265.952	266.906
Mg 279.078	1452.04	1465.71	1456.37
Mn 257.610	1.4984	1.6450	1.5717
Mo 202.032	0.0305	-1.1785u	-0.7092u
Na 330.237	4660.90	4597.77	4585.69
Ni 231.604	6.6947	22.8462	53.2229
Pb 220.353	-3.0464u	-4.3265u	4.1818
Sb 206.834	0.5434	7.6317	-31.2912u
Se 196.026	-1.7122u	-1.6593u	3.8136
Sn 189.925	-10.5490u	-1.8556u	-8.5077u
Sr 216.596	31.5105	32.0683	29.9272
Ti 334.941	0.1610	0.0879	0.2101
Tl 190.794	-0.1362u	-2.6623u	1.1552
V 292.401	0.4175	0.7068	0.0024
Zn 206.200	19.4606	23.9750	26.1515

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	0.1851	ppb	0.1620	87.5	29.0962
Al 308.215	67.3184	ppb	1.8512	2.7	636.345
As 188.980	-1.7359	ppb	5.2201	300.7	-2.7171
B 249.678	9.7758	ppb	0.0428	0.4	165.759
Ba 389.178	4.5714	ppb	0.8355	18.3	28.0432
Be 313.042	0.1220	ppb	0.0070	5.7	-125.857
Ca 370.602	8035	ppb	49.42	0.6	14092
Cd 226.502	-0.0658	ppb	0.0784	119.1	2.5532
Co 228.615	2.2529	ppb	0.4409	19.6	21.3479
Cr 267.716	0.3160	ppb	0.2270	71.8	23.1555
Cu 324.754	0.9194	ppb	0.3291	35.8	377.214
Fe 271.441	21.0271	ppb	2.3437	11.1	12.4374
K 766.491	265.661	ppb	1.4136	0.5	7702.44
Mg 279.078	1458.04	ppb	6.9859	0.5	2385.77
Mn 257.610	1.5717	ppb	0.0733	4.7	232.360
Mo 202.032	-0.6191	ppb	0.6095	98.5	1.7919
Na 330.237	4614.79	ppb	40.3918	0.9	180.068
Ni 231.604	27.5879	ppb	23.6237	85.6	49.3781
Pb 220.353	-1.0637	ppb	4.5876	431.3	0.4197
Sb 206.834	-7.7054	ppb	20.7312	269.0	-5.2687
Se 196.026	0.1474	ppb	3.1751	2154.8	2.1400
Sn 189.925	-6.9708	ppb	4.5460	65.2	-4.6109
Sr 216.596	31.1687	ppb	1.1107	3.6	210.387
Ti 334.941	0.1530	ppb	0.0615	40.2	45.4335
Tl 190.794	-0.5478	ppb	1.9418	354.5	-2.8419
V 292.401	0.3756	ppb	0.3540	94.3	0.0213
Zn 206.200	23.1957	ppb	3.4129	14.7	13.9020

180-36162-b-4-dPDS (Samp) **8/30/2014, 6:45:05 AM** **Rack 4, Tube 43**

Weight: 1 **Volume: 1** **Dilution: 1**

Label	Replicates Concentration		
Ag 328.068	40.5933	40.4401	40.2872
Al 308.215	2237.37	2192.60	2204.50
As 188.980	211.709	211.820	211.549
B 249.678	623.590	611.969	621.043
Ba 389.178	254.570	249.829	253.327
Be 313.042	62.6180	61.1239	61.4294
Ca 370.602	43419	42464	42733
Cd 226.502	58.3585	56.8051	56.3076
Co 228.615	213.971	209.761	209.878
Cr 267.716	252.129	247.403	247.976
Cu 324.754	189.651	185.304	185.396
Fe 271.441	2402.30	2314.55	2332.00
K 766.491	2747.26	2694.28	2701.79
Mg 279.078	9760.91	9572.62	9622.13
Mn 257.610	256.644	251.293	252.097
Mo 202.032	229.575	226.349	224.199
Na 330.237	26954.5	26580.6	26795.4
Ni 231.604	212.213	207.203	206.060
Pb 220.353	206.108	203.465	203.470
Sb 206.834	223.040	218.718	215.054
Se 196.026	226.479	202.905	212.578
Sn 189.925	230.414	213.700	232.128
Sr 216.596	391.390	383.296	385.267
Ti 334.941	227.193	222.185	223.149
Tl 190.794	214.837	219.558	225.360
V 292.401	182.486	178.648	180.872
Zn 206.200	338.738	335.316	340.147

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	40.4402	ppb	0.1530	0.4	2238.40
Al 308.215	2211.49	ppb	23.1902	1.0	11059.5
As 188.980	211.693	ppb	0.1360	0.1	73.6535
B 249.678	618.867	ppb	6.1083	1.0	5790.39
Ba 389.178	252.576	ppb	2.4584	1.0	3744.59
Be 313.042	61.7238	ppb	0.7894	1.3	60265.3
Ca 370.602	42872	ppb	492.4	1.1	75147
Cd 226.502	57.1571	ppb	1.0698	1.9	1344.54
Co 228.615	211.203	ppb	2.3978	1.1	1202.69
Cr 267.716	249.169	ppb	2.5792	1.0	7328.56
Cu 324.754	186.784	ppb	2.4833	1.3	7849.60
Fe 271.441	2349.62	ppb	46.4555	2.0	1842.53
K 766.491	2714.44	ppb	28.6652	1.1	77090.8
Mg 279.078	9651.88	ppb	97.6119	1.0	15721.2
Mn 257.610	253.345	ppb	2.8857	1.1	31356.1
Mo 202.032	226.708	ppb	2.7062	1.2	905.849
Na 330.237	26776.8	ppb	187.669	0.7	955.049
Ni 231.604	208.492	ppb	3.2728	1.6	382.737
Pb 220.353	204.348	ppb	1.5245	0.7	183.959
Sb 206.834	218.937	ppb	3.9974	1.8	191.784
Se 196.026	213.987	ppb	11.8497	5.5	56.9231
Sn 189.925	225.414	ppb	10.1805	4.5	97.1233
Sr 216.596	386.651	ppb	4.2207	1.1	2587.86

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ti 334.941	224.176	ppb	2.6575	1.2	42835.9
Tl 190.794	219.918	ppb	5.2706	2.4	131.687
V 292.401	180.669	ppb	1.9268	1.1	2377.77
Zn 206.200	338.067	ppb	2.4846	0.7	203.027

180-36162-b-4-e ms (Samp) **8/30/2014, 6:49:25 AM** **Rack 4, Tube 44**

Weight: 1 **Volume: 1** **Dilution: 1**

Label	Replicates Concentration		
Ag 328.068	59.8397	59.7301	59.4358
Al 308.215	4931.06	4927.05	4929.33
As 188.980	100.100	97.3295	91.4373
B 249.678	266.771	268.596	266.642
Ba 389.178	131.437	132.580	133.483
Be 313.042	56.6773	56.4884	56.5019
Ca 370.602	47355	47066	47040
Cd 226.502	51.6277	51.6118	51.1494
Co 228.615	49.9309	51.0144	49.1947
Cr 267.716	114.883	114.325	114.393
Cu 324.754	91.2589	90.4259	91.0256
Fe 271.441	5259.83	5248.78	5258.78
K 766.491	4486.27	4471.46	4502.98
Mg 279.078	12360.7	12313.0	12331.1
Mn 257.610	572.936	571.257	571.412
Mo 202.032	103.750	103.975	103.868
Na 330.237	29277.2	29533.2	29407.6
Ni 231.604	95.8157	110.034	98.7977
Pb 220.353	48.6959	48.7026	49.0595
Sb 206.834	51.0668	45.6571	58.7675
Se 196.026	104.163	113.003	100.837
Sn 189.925	196.941	195.493	204.483
Sr 216.596	259.836	259.954	260.172
Ti 334.941	103.145	102.957	103.222
Tl 190.794	45.0762	44.4470	39.3522
V 292.401	84.4907	83.6686	82.6207
Zn 206.200	216.132	219.342	216.030

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	59.6686	ppb	0.2089	0.4	3299.18
Al 308.215	4929.14	ppb	2.0105	0.0	24233.4
As 188.980	96.2889	ppb	4.4241	4.6	32.3654
B 249.678	267.336	ppb	1.0931	0.4	2538.46
Ba 389.178	132.500	ppb	1.0250	0.8	1952.54
Be 313.042	56.5559	ppb	0.1054	0.2	55204.5
Ca 370.602	47154	ppb	174.7	0.4	82595
Cd 226.502	51.4630	ppb	0.2717	0.5	1221.80
Co 228.615	50.0466	ppb	0.9154	1.8	291.648
Cr 267.716	114.534	ppb	0.3048	0.3	3378.48
Cu 324.754	90.9035	ppb	0.4297	0.5	3995.78
Fe 271.441	5255.80	ppb	6.1007	0.1	4100.15
K 766.491	4486.90	ppb	15.7690	0.4	127315
Mg 279.078	12334.9	ppb	24.0670	0.2	20084.5
Mn 257.610	571.868	ppb	0.9281	0.2	70699.1
Mo 202.032	103.864	ppb	0.1124	0.1	417.196

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Na 330.237	29406.0	ppb	128.012	0.4	1047.80
Ni 231.604	101.549	ppb	7.4977	7.4	185.944
Pb 220.353	48.8193	ppb	0.2081	0.4	45.1700
Sb 206.834	51.8305	ppb	6.5885	12.7	46.5109
Se 196.026	106.001	ppb	6.2880	5.9	29.3361
Sn 189.925	198.973	ppb	4.8271	2.4	85.5487
Sr 216.596	259.987	ppb	0.1702	0.1	1746.44
Ti 334.941	103.108	ppb	0.1366	0.1	19718.3
Tl 190.794	42.9585	ppb	3.1389	7.3	23.4481
V 292.401	83.5933	ppb	0.9373	1.1	1098.35
Zn 206.200	217.168	ppb	1.8834	0.9	130.372

180-36162-b-4-f msd (Samp) **8/30/2014, 6:53:45 AM** **Rack 4, Tube 45**

Weight: 1 **Volume: 1** **Dilution: 1**

Label	Replicates Concentration		
Ag 328.068	58.8831	58.0422	57.7934
Al 308.215	5016.39	4911.67	4899.23
As 188.980	112.949	85.5276	90.1271
B 249.678	269.659	265.459	264.603
Ba 389.178	133.412	130.173	130.886
Be 313.042	57.6033	56.4150	56.3029
Ca 370.602	47249	46567	46597
Cd 226.502	52.7100	51.5022	50.9435
Co 228.615	50.0950	48.1147	48.5718
Cr 267.716	118.001	114.864	115.259
Cu 324.754	91.4423	89.1829	89.2873
Fe 271.441	5305.45	5252.55	5212.70
K 766.491	4512.84	4445.16	4443.62
Mg 279.078	12476.9	12231.8	12201.3
Mn 257.610	583.332	570.548	570.028
Mo 202.032	106.211	104.046	104.658
Na 330.237	29086.1	28149.8	28208.2
Ni 231.604	101.498	130.182	112.850
Pb 220.353	48.9715	42.6832	45.6336
Sb 206.834	56.9112	51.7953	51.6638
Se 196.026	108.066	106.732	99.7087
Sn 189.925	221.964	213.701	200.621
Sr 216.596	262.641	256.244	256.798
Ti 334.941	105.586	103.312	103.045
Tl 190.794	39.3282	43.8571	40.2752
V 292.401	85.0864	83.5608	82.4127
Zn 206.200	225.287	211.102	220.416

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	58.2396	ppb	0.5710	1.0	3220.59
Al 308.215	4942.43	ppb	64.3548	1.3	24297.9
As 188.980	96.2011	ppb	14.6850	15.3	32.3338
B 249.678	266.574	ppb	2.7063	1.0	2531.41
Ba 389.178	131.490	ppb	1.7018	1.3	1937.42
Be 313.042	56.7737	ppb	0.7206	1.3	55418.0
Ca 370.602	46804	ppb	385.6	0.8	81984
Cd 226.502	51.7186	ppb	0.9029	1.7	1227.78
Co 228.615	48.9272	ppb	1.0369	2.1	285.306

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Cr 267.716	116.041	ppb	1.7084	1.5	3422.73
Cu 324.754	89.9708	ppb	1.2754	1.4	3958.33
Fe 271.441	5256.90	ppb	46.5307	0.9	4100.98
K 766.491	4467.21	ppb	39.5249	0.9	126757
Mg 279.078	12303.3	ppb	151.095	1.2	20033.1
Mn 257.610	574.636	ppb	7.5350	1.3	71040.7
Mo 202.032	104.972	ppb	1.1161	1.1	421.602
Na 330.237	28481.4	ppb	524.524	1.8	1015.34
Ni 231.604	114.843	ppb	14.4457	12.6	210.456
Pb 220.353	45.7628	ppb	3.1461	6.9	42.4380
Sb 206.834	53.4567	ppb	2.9923	5.6	47.9253
Se 196.026	104.836	ppb	4.4899	4.3	29.0382
Sn 189.925	212.096	ppb	10.7619	5.1	91.2934
Sr 216.596	258.561	ppb	3.5444	1.4	1736.61
Ti 334.941	103.981	ppb	1.3964	1.3	19885.0
Tl 190.794	41.1535	ppb	2.3888	5.8	22.3439
V 292.401	83.6866	ppb	1.3413	1.6	1099.46
Zn 206.200	218.935	ppb	7.2075	3.3	131.433

X (Samp) **8/30/2014, 6:58:04 AM** **Rack 4, Tube 46**

Weight: 1 **Volume: 1** **Dilution: 1**

Label	Replicates Concentration		
Ag 328.068	11.9263	11.8556	12.0955
Al 308.215	267.548	266.081	263.362
As 188.980	15.1405	12.7093	29.4160
B 249.678	116.987	112.035	113.655
Ba 389.178	8.9739	8.8363	8.2903
Be 313.042	4.8570	4.7879	4.7922
Ca 370.602	740.0	745.7	735.6
Cd 226.502	4.8438	5.2448	5.2394
Co 228.615	12.7268	11.5627	11.5862
Cr 267.716	11.4959	12.0287	11.8621
Cu 324.754	15.7193	15.5131	15.4959
Fe 271.441	48.0112	56.4693	49.0161
K 766.491	590.729	583.602	583.918
Mg 279.078	538.938	529.516	531.041
Mn 257.610	11.9264	11.8885	11.8637
Mo 202.032	10.6135	11.0797	10.6406
Na 330.237	1041.48	902.551	1111.63
Ni 231.604	66.3058	57.1389	98.4467
Pb 220.353	13.4550	6.9993	8.1496
Sb 206.834	24.0350	25.0340	15.2382
Se 196.026	13.2909	28.1701	26.6613
Sn 189.925	56.8894	45.3202	44.4614
Sr 216.596	9.1123	10.6125	9.9144
Ti 334.941	10.9971	10.7838	10.8865
Tl 190.794	30.3355	23.6624	26.3052
V 292.401	8.8195	8.3861	8.0734
Zn 206.200	22.6414	23.7359	15.5472

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	11.9591	ppb	0.1233	1.0	677.367
Al 308.215	265.664	ppb	2.1241	0.8	1599.36

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
As 188.980	19.0886	ppb	9.0260	47.3	4.7366
B 249.678	114.226	ppb	2.5249	2.2	1130.73
Ba 389.178	8.7002	ppb	0.3616	4.2	88.9914
Be 313.042	4.8124	ppb	0.0387	0.8	4471.68
Ca 370.602	740.4	ppb	5.073	0.7	1320
Cd 226.502	5.1094	ppb	0.2300	4.5	123.309
Co 228.615	11.9586	ppb	0.6654	5.6	76.2007
Cr 267.716	11.7956	ppb	0.2726	2.3	360.067
Cu 324.754	15.5761	ppb	0.1243	0.8	966.347
Fe 271.441	51.1655	ppb	4.6206	9.0	36.5481
K 766.491	586.083	ppb	4.0269	0.7	16781.9
Mg 279.078	533.165	ppb	5.0573	0.9	879.962
Mn 257.610	11.8929	ppb	0.0316	0.3	1502.84
Mo 202.032	10.7779	ppb	0.2617	2.4	47.1196
Na 330.237	1018.55	ppb	106.408	10.4	53.8588
Ni 231.604	73.9638	ppb	21.6926	29.3	134.870
Pb 220.353	9.5346	ppb	3.4435	36.1	9.8854
Sb 206.834	21.4357	ppb	5.3904	25.1	20.1110
Se 196.026	22.7074	ppb	8.1898	36.1	7.9164
Sn 189.925	48.8903	ppb	6.9407	14.2	19.8425
Sr 216.596	9.8797	ppb	0.7507	7.6	66.3989
Ti 334.941	10.8891	ppb	0.1067	1.0	2094.93
Tl 190.794	26.7677	ppb	3.3605	12.6	13.8274
V 292.401	8.4263	ppb	0.3747	4.4	106.114
Zn 206.200	20.6415	ppb	4.4456	21.5	12.3463

CRI (Samp) **8/30/2014, 7:02:24 AM** **Rack 4, Tube 47**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Replicates Concentration		
Ag 328.068	11.8064	12.1624	11.9124
Al 308.215	263.934	267.554	264.370
As 188.980	18.4506	21.0501	6.6644
B 249.678	112.336	113.105	110.917
Ba 389.178	9.3698	8.4934	8.1838
Be 313.042	4.7992	4.8250	4.8211
Ca 370.602	731.9	738.3	742.6
Cd 226.502	5.0242	5.0002	5.0628
Co 228.615	11.7732	11.0855	11.6845
Cr 267.716	12.1022	11.7571	11.8240
Cu 324.754	14.8919	15.1844	15.7498
Fe 271.441	46.4431	51.1451	53.6893
K 766.491	585.895	590.424	585.461
Mg 279.078	528.195	538.779	533.582
Mn 257.610	11.8085	11.9119	11.7916
Mo 202.032	10.9798	10.8526	10.4554
Na 330.237	1010.08	747.856	1013.69
Ni 231.604	49.7119	45.3572	49.1089
Pb 220.353	9.8575	12.6702	10.5355
Sb 206.834	17.3834	24.9236	17.4796
Se 196.026	11.9268	31.0570	21.8362
Sn 189.925	48.5350	46.9319	57.1346
Sr 216.596	10.4038	9.7115	9.8338
Ti 334.941	10.9161	10.8827	10.7845

Label	Replicates Concentration		
Tl 190.794	23.1400	24.1219	24.4731
V 292.401	8.6406	8.4460	9.1645
Zn 206.200	19.0296	22.1259	19.9398

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	11.9604	ppb	0.1828	1.5	677.425
Al 308.215	265.286	ppb	1.9762	0.7	1597.55
As 188.980	15.3884	ppb	7.6661	49.8	3.4121
B 249.678	112.119	ppb	1.1101	1.0	1111.25
Ba 389.178	8.6824	ppb	0.6152	7.1	88.7270
Be 313.042	4.8151	ppb	0.0139	0.3	4474.40
Ca 370.602	737.6	ppb	5.387	0.7	1315
Cd 226.502	5.0291	ppb	0.0316	0.6	121.451
Co 228.615	11.5144	ppb	0.3741	3.2	73.6893
Cr 267.716	11.8944	ppb	0.1830	1.5	362.966
Cu 324.754	15.2754	ppb	0.4361	2.9	954.258
Fe 271.441	50.4258	ppb	3.6763	7.3	35.9645
K 766.491	587.260	ppb	2.7487	0.5	16815.2
Mg 279.078	533.519	ppb	5.2923	1.0	880.539
Mn 257.610	11.8373	ppb	0.0651	0.6	1495.99
Mo 202.032	10.7626	ppb	0.2736	2.5	47.0584
Na 330.237	923.874	ppb	152.446	16.5	50.5240
Ni 231.604	48.0594	ppb	2.3594	4.9	87.1103
Pb 220.353	11.0211	ppb	1.4679	13.3	11.2143
Sb 206.834	19.9289	ppb	4.3259	21.7	18.7996
Se 196.026	21.6067	ppb	9.5672	44.3	7.6347
Sn 189.925	50.8672	ppb	5.4866	10.8	20.7079
Sr 216.596	9.9830	ppb	0.3695	3.7	67.4966
Ti 334.941	10.8611	ppb	0.0684	0.6	2089.58
Tl 190.794	23.9117	ppb	0.6909	2.9	12.0849
V 292.401	8.7504	ppb	0.3716	4.2	110.432
Zn 206.200	20.3651	ppb	1.5914	7.8	12.1797

Cont Calib Verif (CCV) **8/30/2014, 7:06:44 AM** **Rack 4, Tube 49**

Weight: 1 **Volume: 1** **Dilution: 1**

Label	Replicates Concentration		
Ag 328.068	562.782	566.113	565.512
Al 308.215	4890.61	4898.50	4908.29
As 188.980	455.632	448.635	464.752
B 249.678	539.736	540.716	547.059
Ba 389.178	4942.86	4947.77	4966.34
Be 313.042	567.676	568.500	571.544
Ca 370.602	7074	7076	7104
Cd 226.502	517.151	517.024	519.028
Co 228.615	464.844	463.706	468.117
Cr 267.716	5685.45	5690.83	5720.08
Cu 324.754	3862.35	3936.81	3897.44
Fe 271.441	5122.54	5142.14	5181.98
K 766.491	5615.60	5638.74	5675.46
Mg 279.078	5129.43	5118.51	5152.20
Mn 257.610	5536.70	5540.43	5573.36
Mo 202.032	520.793	514.750	519.097
Na 330.237	5787.92	5888.22	5832.63

Label	Replicates Concentration		
Ni 231.604	2482.72	2464.27	2482.14
Pb 220.353	453.314	451.203	455.173
Sb 206.834	1017.77	1013.67	1027.65
Se 196.026	4974.69	4960.92	5004.71
Sn 189.925	4993.44	5030.83	5042.04
Sr 216.596	2574.11	2574.36	2619.20
Ti 334.941	516.403	517.490	520.491
Tl 190.794	4962.06	4947.60	5001.93
V 292.401	4035.58	4037.53	4060.92
Zn 206.200	2394.84	2431.66	2409.79

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Ag 328.068	564.802	ppb	1.7753	0.3	31073.8	112.96043Q
Al 308.215	4899.13	ppb	8.8571	0.2	24397.6	97.98264
As 188.980	456.340	ppb	8.0815	1.8	161.191	91.26793
B 249.678	542.504	ppb	3.9751	0.7	5087.82	108.50078
Ba 389.178	4952.32	ppb	12.3841	0.3	74005.1	99.04639
Be 313.042	569.240	ppb	2.0375	0.4	557964	113.84798Q
Ca 370.602	7085	ppb	17.08	0.2	12638	141.69426Q
Cd 226.502	517.734	ppb	1.1220	0.2	12091.2	103.54690
Co 228.615	465.556	ppb	2.2900	0.5	2644.56	93.11115
Cr 267.716	5698.79	ppb	18.6346	0.3	167289	113.97572Q
Cu 324.754	3898.87	ppb	37.2503	1.0	156992	77.97733Q
Fe 271.441	5148.89	ppb	30.2869	0.6	4062.76	102.97775
K 766.491	5643.27	ppb	30.1881	0.5	160082	56.43267Q
Mg 279.078	5133.38	ppb	17.1892	0.3	8299.22	102.66762
Mn 257.610	5550.16	ppb	20.1782	0.4	685320	111.00328Q
Mo 202.032	518.213	ppb	3.1169	0.6	2062.72	103.64265
Na 330.237	5836.26	ppb	50.2503	0.9	205.371	77.81676Q
Ni 231.604	2476.38	ppb	10.4917	0.4	4563.86	99.05511
Pb 220.353	453.230	ppb	1.9860	0.4	409.000	90.64599
Sb 206.834	1019.69	ppb	7.1880	0.7	921.537	101.96936
Se 196.026	4980.11	ppb	22.3959	0.4	1277.65	99.60217
Sn 189.925	5022.10	ppb	25.4483	0.5	2196.95	100.44205
Sr 216.596	2589.22	ppb	25.9593	1.0	17264.4	103.56895
Ti 334.941	518.128	ppb	2.1173	0.4	98969.2	103.62561
Tl 190.794	4970.53	ppb	28.1412	0.6	3034.84	99.41062
V 292.401	4044.68	ppb	14.1028	0.3	53622.6	80.89358Q
Zn 206.200	2412.10	ppb	18.5184	0.8	1443.34	96.48396

Cont Calib Blank (CCB) **8/30/2014, 7:11:04 AM** **Rack 4, Tube 50**

Weight: 1 **Volume: 1** **Dilution: 1**

Label	Replicates Concentration		
Ag 328.068	0.0824	0.0278	0.1270
Al 308.215	61.9726	63.5059	67.7019
As 188.980	-2.5859u	-3.5153u	10.5438
B 249.678	9.3086	8.0236	6.1865
Ba 389.178	-1.1100u	-1.3611u	-2.0358u
Be 313.042	0.1294	0.1342	0.1409
Ca 370.602	10.85	12.14	9.680
Cd 226.502	-0.2563u	-0.1184u	-0.2792u
Co 228.615	1.8509	1.7120	0.7351
Cr 267.716	0.3956	0.5137	0.4964

Label	Replicates Concentration		
Cu 324.754	-1.4749u	-1.1653u	-0.4180u
Fe 271.441	-0.1217u	-5.3820u	4.6380
K 766.491	0.7959	-0.0859u	0.3997
Mg 279.078	3.5048	1.9885	1.4667
Mn 257.610	0.4587	0.2876	0.5356
Mo 202.032	0.2773	-0.2320u	-1.0699u
Na 330.237	-114.036u	-61.5963u	-81.1586u
Ni 231.604	0.0007u	-1.7347u	29.4768
Pb 220.353	-0.3807u	4.8019	4.9032
Sb 206.834	2.0609	1.2346	-3.8319u
Se 196.026	3.8383	8.1327	16.9893
Sn 189.925	-4.0371u	4.7686	-4.1908u
Sr 216.596	0.6964	-0.5609u	-0.2049u
Ti 334.941	0.2800	0.1633	0.1680
Tl 190.794	1.8472	-0.8678u	3.5183
V 292.401	0.7037	0.7395	0.7897
Zn 206.200	0.5075	-4.9496u	-2.7553u

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Ag 328.068	0.0790	ppb	0.0497	62.9	23.8275	0.07904
Al 308.215	64.3934	ppb	2.9660	4.6	622.169	64.39344
As 188.980	1.4809	ppb	7.8625	530.9	-1.5656	1.48087
B 249.678	7.8396	ppb	1.5692	20.0	147.999	7.83958
Ba 389.178	-1.5023	ppb	0.4788	31.9	-64.0603	-1.50231
Be 313.042	0.1348	ppb	0.0058	4.3	-114.018	0.13481
Ca 370.602	10.89	ppb	1.229	11.3	40.18	10.88835
Cd 226.502	-0.2180	ppb	0.0870	39.9	-1.0525	-0.21796
Co 228.615	1.4327	ppb	0.6081	42.4	16.7054	1.43266
Cr 267.716	0.4686	ppb	0.0638	13.6	27.5751	0.46858
Cu 324.754	-1.0194	ppb	0.5433	53.3	299.301	-1.01939
Fe 271.441	-0.2886	ppb	5.0121	1736.7	-4.2298	-0.28860
K 766.491	0.3699	ppb	0.4417	119.4	185.195	0.36992
Mg 279.078	2.3200	ppb	1.0587	45.6	15.9664	2.31998
Mn 257.610	0.4273	ppb	0.1269	29.7	84.9411	0.42730
Mo 202.032	-0.3416	ppb	0.6802	199.2	2.8961	-0.34156
Na 330.237	-85.5969	ppb	26.4998	31.0	15.2683	-85.59686
Ni 231.604	9.2476	ppb	17.5405	189.7	15.5636	9.24761
Pb 220.353	3.1082	ppb	3.0219	97.2	4.1476	3.10816
Sb 206.834	-0.1788	ppb	3.1905	1784.6	1.2923	-0.17878
Se 196.026	9.6534	ppb	6.7061	69.5	4.5731	9.65342
Sn 189.925	-1.1531	ppb	5.1289	444.8	-2.0650	-1.15311
Sr 216.596	-0.0231	ppb	0.6481	2799.9	1.1094	-0.02315
Ti 334.941	0.2038	ppb	0.0660	32.4	53.7686	0.20376
Tl 190.794	1.4993	ppb	2.2137	147.7	-1.5932	1.49925
V 292.401	0.7443	ppb	0.0432	5.8	4.9125	0.74429
Zn 206.200	-2.3991	ppb	2.7459	114.5	-1.5063	-2.39912

METALS BATCH WORKSHEET

Lab Name: TestAmerica Savannah Job No.: 680-104727-1

SDG No.: 680-104727-01

Batch Number: 346548 Batch Start Date: 08/29/14 08:43 Batch Analyst: West, Ryan

Batch Method: 3050B Batch End Date: 08/29/14 14:02

Lab Sample ID	Client Sample ID	Method Chain	Basis	CalcMsg	InitialAmount	FinalAmount	MS_Ag_LCS_SPK 00024	MS_LCS1_WK 00013	MS_LCS2_wk 00164
MB 680-346548/1		3050B, 6010C		CALC NOT SET TO RUN	1.06 g	100 mL			
LCS 680-346548/2		3050B, 6010C		CALC NOT SET TO RUN	1.18 g	100 mL	1 mL	1 mL	1 mL
680-104727-A-2	CV0323A-CS-0-4''	3050B, 6010C	T	CALC NOT SET TO RUN	1.05 g	100 mL			
680-104727-B-2 MS	CV0323A-CS-0-4''	3050B, 6010C	T	CALC NOT SET TO RUN	1.05 g	100 mL	1 mL	1 mL	1 mL
680-104727-B-2 MSD	CV0323A-CS-0-4''	3050B, 6010C	T	CALC NOT SET TO RUN	1.04 g	100 mL	1 mL	1 mL	1 mL
680-104727-A-9	CV0815B-CS-0-4''	3050B, 6010C	T	CALC NOT SET TO RUN	1.09 g	100 mL			
680-104727-A-9 MS	CV0815B-CS-0-4''	3050B, 6010C	T	CALC NOT SET TO RUN	1.07 g	100 mL	1 mL	1 mL	1 mL
680-104727-A-9 MSD	CV0815B-CS-0-4''	3050B, 6010C	T	CALC NOT SET TO RUN	1.15 g	100 mL	1 mL	1 mL	1 mL
680-104727-A-1	CV0268A-CS-0-4''	3050B, 6010C	T	CALC NOT SET TO RUN	1.01 g	100 mL			
680-104727-A-3	CV0222B-CS-0-4''	3050B, 6010C	T	CALC NOT SET TO RUN	1.02 g	100 mL			
680-104727-A-4	CV1067A-CS-0-4''	3050B, 6010C	T	CALC NOT SET TO RUN	1.02 g	100 mL			
680-104727-A-5	CV1357B-CS-0-4''	3050B, 6010C	T	CALC NOT SET TO RUN	1.11 g	100 mL			
680-104727-A-6	HP0098B-CS-0-4''	3050B, 6010C	T	CALC NOT SET TO RUN	1.07 g	100 mL			
680-104727-A-7	HP0237A-CS-0-4''	3050B, 6010C	T	CALC NOT SET TO RUN	1.08 g	100 mL			
680-104727-A-8	CV0815A-CS-0-4''	3050B, 6010C	T	CALC NOT SET TO RUN	1.07 g	100 mL			
680-104727-A-10	CV0268A-CS-0-4"-DUP	3050B, 6010C	T	CALC NOT SET TO RUN	1.06 g	100 mL			

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

METALS BATCH WORKSHEET

Lab Name: TestAmerica Savannah Job No.: 680-104727-1

SDG No.: 680-104727-01

Batch Number: 346548 Batch Start Date: 08/29/14 08:43 Batch Analyst: West, Ryan

Batch Method: 3050B Batch End Date: 08/29/14 14:02

Batch Notes	
Analyst	CRW
Balance ID	ME 25
Blank Soil Lot Number	3304789
Hydrogen peroxide lot number	3715733
Lot # of hydrochloric acid	3719100
Lot # of Nitric Acid	3719077
Hood ID or number	FH8
Hot Block ID number	10
Nominal Amount Used	1 g
Oven, Bath or Block Temperature 1	97 Degrees C
Oven, Bath or Block Temperature 2	96 Degrees C
Pipette ID	ME4
Perform Calculation (0=No, 1=Yes)	0
ID number of the thermometer	ME16
Digestion Tube/Cup Lot #	3706657
Uncorrected Temperature	97 Celsius
Uncorrected Temperature 2	96 Degrees C

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.

GENERAL CHEMISTRY

COVER PAGE
GENERAL CHEMISTRY

Lab Name: TestAmerica Savannah Job Number: 680-104727-1

SDG No.: 680-104727-01

Project: 35th Avenue Superfund Site

Client Sample ID	Lab Sample ID
CV0268A-CS-0-4''	680-104727-1
CV0323A-CS-0-4''	680-104727-2
CV0222B-CS-0-4''	680-104727-3
CV1067A-CS-0-4''	680-104727-4
CV1357B-CS-0-4''	680-104727-5
HP0098B-CS-0-4''	680-104727-6
HP0237A-CS-0-4''	680-104727-7
CV0815A-CS-0-4''	680-104727-8
CV0815B-CS-0-4''	680-104727-9
CV0268A-CS-0-4"-DUP	680-104727-10

Comments:

9-IN
DETECTION LIMITS
GENERAL CHEMISTRY

Lab Name: TestAmerica Savannah Job Number: 680-104727-1

SDG Number: 680-104727-01

Matrix: Solid Instrument ID: NOEQUIP

Method: Moisture RL Date: 01/01/2005 13:43

Analyte	Wavelength/ Mass	RL (%)	
Percent Moisture		0.01	

9-IN
CALIBRATION BLANK DETECTION LIMITS
GENERAL CHEMISTRY

Lab Name: TestAmerica Savannah Job Number: 680-104727-1

SDG Number: 680-104727-01

Matrix: Solid Instrument ID: NOEQUIP

Method: Moisture XRL Date: 04/09/2011 17:03

Analyte	Wavelength/ Mass	XRL (%)	
Percent Moisture		0.01	

13-IN
ANALYSIS RUN LOG
GENERAL CHEMISTRY

Lab Name: TestAmerica Savannah Job No.: 680-104727-1

SDG No.: 680-104727-01

Instrument ID: NOEQUIP Method: Moisture

Start Date: 08/28/2014 16:18 End Date: 08/28/2014 16:18

Lab Sample ID	D/F	Type	Time	Analytes																			
				Moist																			
ZZZZZZ			16:18																				
ZZZZZZ			16:18																				
ZZZZZZ			16:18																				
ZZZZZZ			16:18																				
ZZZZZZ			16:18																				
ZZZZZZ			16:18																				
680-104727-1	1	T	16:18	X																			
680-104727-2	1	T	16:18	X																			
680-104727-3	1	T	16:18	X																			
680-104727-4	1	T	16:18	X																			
680-104727-5	1	T	16:18	X																			
680-104727-6	1	T	16:18	X																			
680-104727-7	1	T	16:18	X																			
680-104727-8	1	T	16:18	X																			
680-104727-9	1	T	16:18	X																			
680-104727-9 MS	1	T	16:18	X																			
680-104727-9 MSD	1	T	16:18	X																			
680-104727-10	1	T	16:18	X																			
ZZZZZZ			16:18																				

Prep Types

T = Total/NA

13-IN
ANALYSIS RUN LOG
GENERAL CHEMISTRY

Lab Name: TestAmerica Savannah Job No.: 680-104727-1

SDG No.: 680-104727-01

Instrument ID: NOEQUIP Method: Moisture

Start Date: 08/30/2014 12:55 End Date: 08/30/2014 12:55

Lab Sample ID	D/F	Type	Time	Analytes																			
				Moist																			
ZZZZZZ			12:55																				
ZZZZZZ			12:55																				
ZZZZZZ			12:55																				
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ZZZZZZ			12:55																				
680-104727-2MS	1	T	12:55	X																			
680-104727-2MSD	1	T	12:55	X																			
ZZZZZZ			12:55																				
ZZZZZZ			12:55																				
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13-IN
ANALYSIS RUN LOG
GENERAL CHEMISTRY

Lab Name: TestAmerica Savannah Job No.: 680-104727-1

SDG No.: 680-104727-01

Instrument ID: NOEQUIP Method: Moisture

Start Date: 08/30/2014 12:55 End Date: 08/30/2014 12:55

Prep Types
T = Total/NA

GENERAL CHEMISTRY BATCH WORKSHEET

Lab Name: TestAmerica Savannah Job No.: 680-104727-1

SDG No.: 680-104727-01

Batch Number: 346473 Batch Start Date: 08/28/14 16:18 Batch Analyst: Longworth, Hazel M

Batch Method: Moisture Batch End Date: 08/29/14 08:41

Lab Sample ID	Client Sample ID	Method Chain	Basis	DishWeight	SampleMassWet	SampleMassDry			
680-104727-A-1	CV0268A-CS-0-4''	Moisture	T	1.31 g	8.87 g	8.00 g			
680-104727-A-2	CV0323A-CS-0-4''	Moisture	T	1.29 g	8.62 g	7.88 g			
680-104727-A-3	CV0222B-CS-0-4''	Moisture	T	1.30 g	8.73 g	8.01 g			
680-104727-A-4	CV1067A-CS-0-4''	Moisture	T	1.31 g	8.57 g	7.78 g			
680-104727-A-5	CV1357B-CS-0-4''	Moisture	T	1.28 g	9.04 g	8.35 g			
680-104727-A-6	HP0098B-CS-0-4''	Moisture	T	1.31 g	8.28 g	7.62 g			
680-104727-A-7	HP0237A-CS-0-4''	Moisture	T	1.31 g	8.78 g	8.26 g			
680-104727-A-8	CV0815A-CS-0-4''	Moisture	T	1.30 g	8.15 g	7.38 g			
680-104727-A-9	CV0815B-CS-0-4''	Moisture	T	1.29 g	9.28 g	8.51 g			
680-104727-A-9 MS	CV0815B-CS-0-4''	Moisture	T	1.29 g	9.28 g	8.51 g			
680-104727-A-9 MSD	CV0815B-CS-0-4''	Moisture	T	1.29 g	9.28 g	8.51 g			
680-104727-A-10	CV0268A-CS-0-4"-DUP	Moisture	T	1.28 g	8.83 g	8.06 g			

Batch Notes	
Balance ID	19 No Unit
Date samples were placed in the oven	08-28-14
Oven Temp when samples are put in oven	109 Degrees C
Time samples were place in the oven	16:20
Date samples were removed from oven	08-29-14
Oven Temp when samples removed from oven	109 Degrees C
Time Samples were removed from oven	08:25
Oven ID	cuo1
ID number of the thermometer	meo2a
Uncorrected In Temperature	109 Celsius
Uncorrected Out Temperature	109 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.

GENERAL CHEMISTRY BATCH WORKSHEET

Lab Name: TestAmerica Savannah Job No.: 680-104727-1

SDG No.: 680-104727-01

Batch Number: 346766 Batch Start Date: 08/30/14 12:55 Batch Analyst: Longworth, Hazel M

Batch Method: Moisture Batch End Date: 09/02/14 09:35

Lab Sample ID	Client Sample ID	Method Chain	Basis	DishWeight	SampleMassWet	SampleMassDry			
680-104727-B-2 MS	CV0323A-CS-0-4''	Moisture	T	1.29 g	8.66 g	7.58 g			
680-104727-B-2 MSD	CV0323A-CS-0-4''	Moisture	T	1.29 g	8.66 g	7.58 g			

Batch Notes	
Balance ID	19 No Unit
Date samples were placed in the oven	08-30-14
Oven Temp when samples are put in oven	109 Degrees C
Time samples were place in the oven	13:20
Date samples were removed from oven	09/02/14
Oven Temp when samples removed from oven	110 Degrees C
Time Samples were removed from oven	09.15
Oven ID	cuo2
ID number of the thermometer	cuo2
Uncorrected In Temperature	109 Celsius
Uncorrected Out Temperature	110 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.

Shipping and Receiving Documents

TestAmerica Savannah
5102 LaRoche Avenue

Savannah, GA 31404
phone 912.354.7858 fax

Chain of Custody Record

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

Regulatory Program: ☐ DW ☐ NPDES ☐ RCRA ☐ Other:

TestAmerica Laboratories, Inc.

Client Contact	Project Manager: Russell Henderson	Site Contact: Limari Krebs	Date: 8/27/14	COC No:
OTIE	Tel/Fax: 678-355-5550	Lab Contact: Lisa Harvey	Carrier: Fedex	_____ of _____ COCs
1220 Kennestone Circle	Analysis Turnaround Time			Sampler:
Marietta, GA 30066	☑ CALENDAR DAYS ☐ WORKING DAYS			For Lab Use Only:
678-355-5550 ext. 5703	TAT if different from Below _____			Walk-in Client:
(xxx) xxx-xxxx FAX	☑ 2 weeks			Lab Sampling:
Project Name: 35th Avenue Removal	☐ 1 week			
Site: 35th Avenue Removal	☐ 2 days			Job / SDG No.:
P O #	☐ 1 day			

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=Grab)	Matrix	# of Cont.	Filtered Sample (Y / N)	Perform MS / MSD (Y / N)	As, Pb, Fe, Al	LL-PAH	Sample Specific Notes:
CV0268A-CS-0-4"	8/25/2014	13:25	C	SO	1			X		
CV0323A-CS-0-4"	8/25/2014	14:20	C	SO	2			X		MS/MSD
CV0222B-CS-0-4"	8/25/2014	14:55	C	SO	1			X		
CV1067A-CS-0-4"	8/25/2014	15:30	C	SO	1			X		
CV1357B-CS-0-4"	8/25/2014	15:55	C	SO	1			X		
HP0098B-CS-0-4"	8/25/2014	16:15	C	SO	1			X		
HP0237A-CS-0-4"	8/25/2014	16:40	C	SO	1			X		
CV0815A-CS-0-4"	8/25/2014	17:00	C	SO	1			X		
CV0815B-CS-0-4"	8/25/2014	17:15	C	SO	2			X	X	
CV0268A-CS-0-4"-Dup	8/25/2014	13:25	C	SO	2			X	X	

680-104727 Chain of Custody

Preservation Used: 1= Ice, 2= HCl; 3= H2SO4; 4=HNO3; 5=NaOH; 6= Other

Possible Hazard Identification:
Are any samples from a listed EPA Hazardous Waste? Please List any EPA Waste Codes for the sample in the Comments Section if the lab is to dispose of the sample.

☑ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)

☐ Return to Client ☐ Disposal by Lab ☐ Archive for_____ Months

Special Instructions/QC Requirements & Comments:

Custody Seals Intact: ☐ Yes ☐ No | Custody Seal No.: | Cooler Temp. (°C): Obs'd:_____ Corr'd:_____ Therm ID No.:_____

Relinquished by:	Company:	Date/Time:	Received by:	Company:	Date/Time:
			TA 680-104727		8/28/14 9:30 2.0°C
Relinquished by:	Company:	Date/Time:	Received by:	Company:	Date/Time:
Relinquished by:	Company:	Date/Time:	Received in Laboratory by:	Company:	Date/Time:

Login Sample Receipt Checklist

Client: Oneida Total Integrated Enterprises LLC

Job Number: 680-104727-1
SDG Number: 680-104727-01

Login Number: 104727
List Number: 1
Creator: White, Menica R

List Source: TestAmerica Savannah

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	N/A	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	N/A	
There are no discrepancies between the containers received and the COC.	N/A	One jar for -10, two jars for -8: does not match the COC
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.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	N/A	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

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ANALYTICAL REPORT

TestAmerica Laboratories, Inc.
TestAmerica Savannah
5102 LaRoche Avenue
Savannah, GA 31404
Tel: (912)354-7858

TestAmerica Job ID: 680-104727-1
TestAmerica Sample Delivery Group: 680-104727-01
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:
9/10/2014 11:01:52 AM

Lisa Harvey, Project Manager II
(912)354-7858 e.3221
lisa.harvey@testamericainc.com

LINKS

Review your project results through TotalAccess

Have a Question? Ask The Expert

Visit us at: www.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.

Job ID: 680-104727-1

Laboratory: TestAmerica Savannah

Narrative

CASE NARRATIVE
Client: Oneida Total Integrated Enterprises LLC
Project: 35th Avenue Superfund Site
Report Number: 680-104727-1

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 the event of interference or analytes present at high concentrations, samples may be diluted. For diluted samples, the reporting limits are adjusted relative to the dilution required.

No additional analytical or quality issues were noted, other than those described below or in the Definitions/Glossary page.

RECEIPT
The samples were received on 08/28/2014; the samples arrived in good condition, properly preserved and on ice. The temperature of the coolers at receipt was 2.0 C.

SEMIVOLATILE ORGANIC COMPOUNDS (GC/MS) LOW LEVEL PAH
Samples CV0815B-CS-0-4" (680-104727-9) and CV0268A-CS-0-4"-DUP (680-104727-10) were analyzed for Semivolatile Organic Compounds (GC/MS) Low level PAH in accordance with EPA SW846 Method 8270D.

Method(s) 8270D_LL_PAH: The following sample(s) was diluted due to the nature of the sample matrix : CV0268A-CS-0-4"-DUP (680-104727-10), CV0815B-CS-0-4" (680-104727-9), CV0815B-CS-0-4" (680-104727-9 MS), CV0815B-CS-0-4" (680-104727-9 MSD). As such, surrogate recoveries are below the calibration range or are not reported, and elevated reporting limits (RLs) are provided.

Method(s) 8270D_LL_PAH: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for batch 680-347120 were outside control limits. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample (LCS) recovery was within acceptance limits.

Method(s) 8270D_LL_PAH: Manual integration was performed on the following sample(s): CV0268A-CS-0-4"-DUP (680-104727-10).

Several analytes have recoveries outside criteria low for the MS and MSD of sample CV0815B-CS-0-4" (680-104727-9) in batch 680-347120.

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

Refer to the QC report for details.

Samples CV0815B-CS-0-4" (680-104727-9)[20X] and CV0268A-CS-0-4"-DUP (680-104727-10)[20X] required dilution prior to analysis. The reporting limits have been adjusted accordingly.

METALS (ICP)
Samples CV0268A-CS-0-4" (680-104727-1), CV0323A-CS-0-4" (680-104727-2), CV0222B-CS-0-4" (680-104727-3), CV1067A-CS-0-4" (680-104727-4), CV1357B-CS-0-4" (680-104727-5), HP0098B-CS-0-4" (680-104727-6), HP0237A-CS-0-4" (680-104727-7), CV0815A-CS-0-4" (680-104727-8), CV0815B-CS-0-4" (680-104727-9) and CV0268A-CS-0-4"-DUP (680-104727-10) were analyzed for Metals (ICP) in accordance with EPA SW-846 Method 6010C.

The recoveries for many of the metals compounds are outside criteria for the MS and/or MSD of sample sCV0323A-CS-0-4" (680-104727-2) and CV0815B-CS-0-4" (680-104727-9). Refer to the QC report for details.

PERCENT SOLIDS/MOISTURE

Job ID: 680-104727-1 (Continued)

Laboratory: TestAmerica Savannah (Continued)

Samples CV0268A-CS-0-4" (680-104727-1), CV0323A-CS-0-4" (680-104727-2), CV0222B-CS-0-4" (680-104727-3), CV1067A-CS-0-4" (680-104727-4), CV1357B-CS-0-4" (680-104727-5), HP0098B-CS-0-4" (680-104727-6), HP0237A-CS-0-4" (680-104727-7), CV0815A-CS-0-4" (680-104727-8), CV0815B-CS-0-4" (680-104727-9) and CV0268A-CS-0-4"-DUP (680-104727-10) were analyzed for Percent Solids/Moisture in accordance with TestAmerica SOP.

Sample Summary

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

TestAmerica Job ID: 680-104727-1
SDG: 680-104727-01

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
680-104727-1	CV0268A-CS-0-4"	Solid	08/25/14 13:25	08/28/14 09:30
680-104727-2	CV0323A-CS-0-4"	Solid	08/25/14 14:20	08/28/14 09:30
680-104727-3	CV0222B-CS-0-4"	Solid	08/25/14 14:55	08/28/14 09:30
680-104727-4	CV1067A-CS-0-4"	Solid	08/25/14 15:30	08/28/14 09:30
680-104727-5	CV1357B-CS-0-4"	Solid	08/25/14 15:55	08/28/14 09:30
680-104727-6	HP0098B-CS-0-4"	Solid	08/25/14 16:15	08/28/14 09:30
680-104727-7	HP0237A-CS-0-4"	Solid	08/25/14 16:40	08/28/14 09:30
680-104727-8	CV0815A-CS-0-4"	Solid	08/25/14 17:00	08/28/14 09:30
680-104727-9	CV0815B-CS-0-4"	Solid	08/25/14 17:15	08/28/14 09:30
680-104727-10	CV0268A-CS-0-4"-DUP	Solid	08/25/14 13:25	08/28/14 09:30

Method Summary

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

TestAmerica Job ID: 680-104727-1
SDG: 680-104727-01

Method	Method Description	Protocol	Laboratory
8270D_LL_PAH	Semivolatile Organic Compounds (GC/MS) Low level PAH	SW846	TAL SAV
6010C	Metals (ICP)	SW846	TAL SAV
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

Qualifiers

GC/MS Semi VOA

Qualifier	Qualifier Description
U	Indicates the analyte was analyzed for but not detected.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
D	Sample results are obtained from a dilution; the surrogate or matrix spike recoveries reported are calculated from diluted samples.
F1	MS and/or MSD Recovery exceeds the control limits
4	MS, MSD: The analyte present in the original sample is greater than 4 times the matrix spike concentration; therefore, control limits are not applicable.

Metals

Qualifier	Qualifier Description
4	MS, MSD: The analyte present in the original sample is greater than 4 times the matrix spike concentration; therefore, control limits are not applicable.
F1	MS and/or MSD Recovery exceeds the control limits
F2	MS/MSD RPD exceeds control limits
U	Indicates the analyte was analyzed for but not detected.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
¤	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CNF	Contains no Free Liquid
DER	Duplicate error ratio (normalized absolute difference)
Dil Fac	Dilution Factor
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)
NC	Not Calculated
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: 680-104727-1
SDG: 680-104727-01

Client Sample ID: CV0268A-CS-0-4"

Lab Sample ID: 680-104727-1

Date Collected: 08/25/14 13:25
Date Received: 08/28/14 09:30

Matrix: Solid
Percent Solids: 88.5

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	11000		22	11	mg/Kg	☼	08/29/14 08:43	08/30/14 02:21	1
Arsenic	41		2.2	0.66	mg/Kg	☼	08/29/14 08:43	08/30/14 02:21	1
Iron	60000		22	7.8	mg/Kg	☼	08/29/14 08:43	08/30/14 02:21	1
Lead	260		1.1	0.59	mg/Kg	☼	08/29/14 08:43	08/30/14 02:21	1

Client Sample Results

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

TestAmerica Job ID: 680-104727-1
SDG: 680-104727-01

Client Sample ID: CV0323A-CS-0-4"

Lab Sample ID: 680-104727-2

Date Collected: 08/25/14 14:20
Matrix: Solid
Date Received: 08/28/14 09:30
Percent Solids: 89.9

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	11000		21	11	mg/Kg	☼	08/29/14 08:43	08/30/14 01:39	1
Arsenic	26		2.1	0.63	mg/Kg	☼	08/29/14 08:43	08/30/14 01:39	1
Iron	49000		21	7.4	mg/Kg	☼	08/29/14 08:43	08/30/14 01:39	1
Lead	280		1.1	0.56	mg/Kg	☼	08/29/14 08:43	08/30/14 01:39	1

Client Sample Results

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

TestAmerica Job ID: 680-104727-1
SDG: 680-104727-01

Client Sample ID: CV0222B-CS-0-4"

Lab Sample ID: 680-104727-3

Date Collected: 08/25/14 14:55
Matrix: Solid
Date Received: 08/28/14 09:30
Percent Solids: 90.3

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	12000		22	11	mg/Kg	☼	08/29/14 08:43	08/30/14 02:26	1
Arsenic	33		2.2	0.64	mg/Kg	☼	08/29/14 08:43	08/30/14 02:26	1
Iron	37000		22	7.6	mg/Kg	☼	08/29/14 08:43	08/30/14 02:26	1
Lead	110		1.1	0.58	mg/Kg	☼	08/29/14 08:43	08/30/14 02:26	1

Client Sample Results

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

TestAmerica Job ID: 680-104727-1
SDG: 680-104727-01

Client Sample ID: CV1067A-CS-0-4"

Lab Sample ID: 680-104727-4

Date Collected: 08/25/14 15:30
Matrix: Solid
Date Received: 08/28/14 09:30
Percent Solids: 89.1

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	12000		22	11	mg/Kg	☼	08/29/14 08:43	08/30/14 02:30	1
Arsenic	24		2.2	0.65	mg/Kg	☼	08/29/14 08:43	08/30/14 02:30	1
Iron	46000		22	7.7	mg/Kg	☼	08/29/14 08:43	08/30/14 02:30	1
Lead	300		1.1	0.58	mg/Kg	☼	08/29/14 08:43	08/30/14 02:30	1

Client Sample Results

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

TestAmerica Job ID: 680-104727-1
SDG: 680-104727-01

Client Sample ID: CV1357B-CS-0-4"

Lab Sample ID: 680-104727-5

Date Collected: 08/25/14 15:55
Date Received: 08/28/14 09:30

Matrix: Solid
Percent Solids: 91.1

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	12000		20	9.9	mg/Kg	☼	08/29/14 08:43	08/30/14 02:34	1
Arsenic	26		2.0	0.58	mg/Kg	☼	08/29/14 08:43	08/30/14 02:34	1
Iron	45000		20	6.9	mg/Kg	☼	08/29/14 08:43	08/30/14 02:34	1
Lead	340		0.99	0.52	mg/Kg	☼	08/29/14 08:43	08/30/14 02:34	1

Client Sample Results

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

TestAmerica Job ID: 680-104727-1
SDG: 680-104727-01

Client Sample ID: HP0098B-CS-0-4"

Lab Sample ID: 680-104727-6

Date Collected: 08/25/14 16:15
Matrix: Solid
Date Received: 08/28/14 09:30
Percent Solids: 90.5

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	18000		21	10	mg/Kg	☼	08/29/14 08:43	08/30/14 02:39	1
Arsenic	44		2.1	0.61	mg/Kg	☼	08/29/14 08:43	08/30/14 02:39	1
Iron	75000		21	7.2	mg/Kg	☼	08/29/14 08:43	08/30/14 02:39	1
Lead	190		1.0	0.55	mg/Kg	☼	08/29/14 08:43	08/30/14 02:39	1

Client Sample Results

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

TestAmerica Job ID: 680-104727-1
SDG: 680-104727-01

Client Sample ID: HP0237A-CS-0-4"

Lab Sample ID: 680-104727-7

Date Collected: 08/25/14 16:40
Matrix: Solid
Date Received: 08/28/14 09:30
Percent Solids: 93.0

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	20000		20	10	mg/Kg	☼	08/29/14 08:43	08/30/14 02:43	1
Arsenic	25		2.0	0.59	mg/Kg	☼	08/29/14 08:43	08/30/14 02:43	1
Iron	45000		20	7.0	mg/Kg	☼	08/29/14 08:43	08/30/14 02:43	1
Lead	190		1.0	0.53	mg/Kg	☼	08/29/14 08:43	08/30/14 02:43	1

Client Sample Results

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

TestAmerica Job ID: 680-104727-1
SDG: 680-104727-01

Client Sample ID: CV0815A-CS-0-4"

Lab Sample ID: 680-104727-8

Date Collected: 08/25/14 17:00
Matrix: Solid
Date Received: 08/28/14 09:30
Percent Solids: 88.8

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	11000		21	11	mg/Kg	☼	08/29/14 08:43	08/30/14 02:47	1
Arsenic	18		2.1	0.62	mg/Kg	☼	08/29/14 08:43	08/30/14 02:47	1
Iron	41000		21	7.4	mg/Kg	☼	08/29/14 08:43	08/30/14 02:47	1
Lead	49		1.1	0.56	mg/Kg	☼	08/29/14 08:43	08/30/14 02:47	1

Client Sample Results

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

TestAmerica Job ID: 680-104727-1
SDG: 680-104727-01

Client Sample ID: CV0815B-CS-0-4"

Lab Sample ID: 680-104727-9

Date Collected: 08/25/14 17:15
Matrix: Solid
Date Received: 08/28/14 09:30
Percent Solids: 90.4

Method: 8270D_LL_PAH - Semivolatile Organic Compounds (GC/MS) Low level PAH

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	**230**		150	73	ug/Kg	☼	08/30/14 10:36	09/03/14 17:51	20
Acenaphthylene	150	U	150	73	ug/Kg	☼	08/30/14 10:36	09/03/14 17:51	20
Anthracene	**520**		150	73	ug/Kg	☼	08/30/14 10:36	09/03/14 17:51	20
Benzo[a]anthracene	**1500**		150	73	ug/Kg	☼	08/30/14 10:36	09/03/14 17:51	20
Benzo[a]pyrene	**1200**		150	27	ug/Kg	☼	08/30/14 10:36	09/03/14 17:51	20
Benzo[b]fluoranthene	**1400**		150	73	ug/Kg	☼	08/30/14 10:36	09/03/14 17:51	20
Benzo[g,h,i]perylene	**450**		150	73	ug/Kg	☼	08/30/14 10:36	09/03/14 17:51	20
Benzo[k]fluoranthene	**760**		150	44	ug/Kg	☼	08/30/14 10:36	09/03/14 17:51	20
Chrysene	**1400**		150	73	ug/Kg	☼	08/30/14 10:36	09/03/14 17:51	20
Dibenz(a,h)anthracene	**170**		150	73	ug/Kg	☼	08/30/14 10:36	09/03/14 17:51	20
Fluoranthene	**2700**		150	73	ug/Kg	☼	08/30/14 10:36	09/03/14 17:51	20
Fluorene	**200**		150	73	ug/Kg	☼	08/30/14 10:36	09/03/14 17:51	20
Indeno[1,2,3-cd]pyrene	**440**		150	73	ug/Kg	☼	08/30/14 10:36	09/03/14 17:51	20
1-Methylnaphthalene	150	U	150	69	ug/Kg	☼	08/30/14 10:36	09/03/14 17:51	20
2-Methylnaphthalene	**77**	**J**	150	73	ug/Kg	☼	08/30/14 10:36	09/03/14 17:51	20
Naphthalene	**200**		150	73	ug/Kg	☼	08/30/14 10:36	09/03/14 17:51	20
Phenanthrene	**1800**		150	53	ug/Kg	☼	08/30/14 10:36	09/03/14 17:51	20
Pyrene	**2000**		150	73	ug/Kg	☼	08/30/14 10:36	09/03/14 17:51	20

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl	*0*	*D*	*36 - 131*	*08/30/14 10:36*	*09/03/14 17:51*	*20*

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**8900**		20	10	mg/Kg	☼	08/29/14 08:43	08/30/14 02:00	1
Arsenic	**20**		2.0	0.60	mg/Kg	☼	08/29/14 08:43	08/30/14 02:00	1
Iron	**41000**		20	7.1	mg/Kg	☼	08/29/14 08:43	08/30/14 02:00	1
Lead	**67**		1.0	0.54	mg/Kg	☼	08/29/14 08:43	08/30/14 02:00	1

Client Sample Results

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

TestAmerica Job ID: 680-104727-1
SDG: 680-104727-01

Client Sample ID: CV0268A-CS-0-4"-DUP

Lab Sample ID: 680-104727-10

Date Collected: 08/25/14 13:25
Date Received: 08/28/14 09:30

Matrix: Solid
Percent Solids: 89.8

Method: 8270D_LL_PAH - Semivolatile Organic Compounds (GC/MS) Low level PAH

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	150	U	150	73	ug/Kg	☼	08/30/14 10:36	09/03/14 18:15	20
Acenaphthylene	150	U	150	73	ug/Kg	☼	08/30/14 10:36	09/03/14 18:15	20
Anthracene	150	U	150	73	ug/Kg	☼	08/30/14 10:36	09/03/14 18:15	20
Benzo[a]anthracene	**290**		150	73	ug/Kg	☼	08/30/14 10:36	09/03/14 18:15	20
Benzo[a]pyrene	**240**		150	27	ug/Kg	☼	08/30/14 10:36	09/03/14 18:15	20
Benzo[b]fluoranthene	**430**		150	73	ug/Kg	☼	08/30/14 10:36	09/03/14 18:15	20
Benzo[g,h,i]perylene	**160**		150	73	ug/Kg	☼	08/30/14 10:36	09/03/14 18:15	20
Benzo[k]fluoranthene	**160**		150	45	ug/Kg	☼	08/30/14 10:36	09/03/14 18:15	20
Chrysene	**350**		150	73	ug/Kg	☼	08/30/14 10:36	09/03/14 18:15	20
Dibenz(a,h)anthracene	150	U	150	73	ug/Kg	☼	08/30/14 10:36	09/03/14 18:15	20
Fluoranthene	**380**		150	73	ug/Kg	☼	08/30/14 10:36	09/03/14 18:15	20
Fluorene	150	U	150	73	ug/Kg	☼	08/30/14 10:36	09/03/14 18:15	20
Indeno[1,2,3-cd]pyrene	**140**	**J**	150	73	ug/Kg	☼	08/30/14 10:36	09/03/14 18:15	20
1-Methylnaphthalene	150	U	150	69	ug/Kg	☼	08/30/14 10:36	09/03/14 18:15	20
2-Methylnaphthalene	150	U	150	73	ug/Kg	☼	08/30/14 10:36	09/03/14 18:15	20
Naphthalene	150	U	150	73	ug/Kg	☼	08/30/14 10:36	09/03/14 18:15	20
Phenanthrene	**130**	**J**	150	53	ug/Kg	☼	08/30/14 10:36	09/03/14 18:15	20
Pyrene	**340**		150	73	ug/Kg	☼	08/30/14 10:36	09/03/14 18:15	20

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl	*0*	*D*	*36 - 131*	*08/30/14 10:36*	*09/03/14 18:15*	*20*

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**9300**		21	11	mg/Kg	☼	08/29/14 08:43	08/30/14 02:52	1
Arsenic	**38**		2.1	0.62	mg/Kg	☼	08/29/14 08:43	08/30/14 02:52	1
Iron	**52000**		21	7.4	mg/Kg	☼	08/29/14 08:43	08/30/14 02:52	1
Lead	**290**		1.1	0.56	mg/Kg	☼	08/29/14 08:43	08/30/14 02:52	1

Method: 8270D_LL_PAH - Semivolatile Organic Compounds (GC/MS) Low level PAH

Lab Sample ID: MB 680-346745/7-A — **Client Sample ID: Method Blank**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 347120 — **Prep Batch: 346745**

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	6.7	U	6.7	3.3	ug/Kg		08/30/14 10:36	09/03/14 16:16	1
Acenaphthylene	6.7	U	6.7	3.3	ug/Kg		08/30/14 10:36	09/03/14 16:16	1
Anthracene	6.7	U	6.7	3.3	ug/Kg		08/30/14 10:36	09/03/14 16:16	1
Benzo[a]anthracene	6.7	U	6.7	3.3	ug/Kg		08/30/14 10:36	09/03/14 16:16	1
Benzo[a]pyrene	6.7	U	6.7	1.2	ug/Kg		08/30/14 10:36	09/03/14 16:16	1
Benzo[b]fluoranthene	6.7	U	6.7	3.3	ug/Kg		08/30/14 10:36	09/03/14 16:16	1
Benzo[g,h,i]perylene	6.7	U	6.7	3.3	ug/Kg		08/30/14 10:36	09/03/14 16:16	1
Benzo[k]fluoranthene	6.7	U	6.7	2.0	ug/Kg		08/30/14 10:36	09/03/14 16:16	1
Chrysene	6.7	U	6.7	3.3	ug/Kg		08/30/14 10:36	09/03/14 16:16	1
Dibenz(a,h)anthracene	6.7	U	6.7	3.3	ug/Kg		08/30/14 10:36	09/03/14 16:16	1
Fluoranthene	6.7	U	6.7	3.3	ug/Kg		08/30/14 10:36	09/03/14 16:16	1
Fluorene	6.7	U	6.7	3.3	ug/Kg		08/30/14 10:36	09/03/14 16:16	1
Indeno[1,2,3-cd]pyrene	6.7	U	6.7	3.3	ug/Kg		08/30/14 10:36	09/03/14 16:16	1
1-Methylnaphthalene	6.7	U	6.7	3.1	ug/Kg		08/30/14 10:36	09/03/14 16:16	1
2-Methylnaphthalene	6.7	U	6.7	3.3	ug/Kg		08/30/14 10:36	09/03/14 16:16	1
Naphthalene	6.7	U	6.7	3.3	ug/Kg		08/30/14 10:36	09/03/14 16:16	1
Phenanthrene	6.7	U	6.7	2.4	ug/Kg		08/30/14 10:36	09/03/14 16:16	1
Pyrene	6.7	U	6.7	3.3	ug/Kg		08/30/14 10:36	09/03/14 16:16	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl	*68*		*36 - 131*	*08/30/14 10:36*	*09/03/14 16:16*	*1*

Lab Sample ID: LCS 680-346745/8-A — **Client Sample ID: Lab Control Sample**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 347120 — **Prep Batch: 346745**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Acenaphthene	333	186		ug/Kg		56	33 - 130
Acenaphthylene	333	191		ug/Kg		58	37 - 131
Anthracene	333	207		ug/Kg		62	42 - 146
Benzo[a]anthracene	333	216		ug/Kg		65	39 - 157
Benzo[a]pyrene	333	211		ug/Kg		64	41 - 158
Benzo[b]fluoranthene	333	210		ug/Kg		63	35 - 152
Benzo[g,h,i]perylene	333	191		ug/Kg		57	32 - 150
Benzo[k]fluoranthene	333	207		ug/Kg		62	38 - 148
Chrysene	333	216		ug/Kg		65	38 - 147
Dibenz(a,h)anthracene	333	196		ug/Kg		59	32 - 155
Fluoranthene	333	203		ug/Kg		61	36 - 147
Fluorene	333	197		ug/Kg		59	36 - 138
Indeno[1,2,3-cd]pyrene	333	189		ug/Kg		57	35 - 148
1-Methylnaphthalene	333	188		ug/Kg		56	36 - 130
2-Methylnaphthalene	333	183		ug/Kg		55	42 - 130
Naphthalene	333	176		ug/Kg		53	33 - 130
Phenanthrene	333	186		ug/Kg		56	40 - 135
Pyrene	333	196		ug/Kg		59	38 - 145

Method: 8270D_LL_PAH - Semivolatile Organic Compounds (GC/MS) Low level PAH (Continued)

Lab Sample ID: LCS 680-346745/8-A — **Client Sample ID: Lab Control Sample**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 347120 — **Prep Batch: 346745**

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
o-Terphenyl	*62*		*36 - 131*

Lab Sample ID: 680-104727-9 MS — **Client Sample ID: CV0815B-CS-0-4"**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 347120 — **Prep Batch: 346745**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Acenaphthene	230		369	186	F1	ug/Kg	☼	-13	33 - 130
Acenaphthylene	150	U	369	169		ug/Kg	☼	46	37 - 131
Anthracene	520		369	193	F1	ug/Kg	☼	-90	42 - 146
Benzo[a]anthracene	1500		369	282	4	ug/Kg	☼	-327	39 - 157
Benzo[a]pyrene	1200		369	270	F1	ug/Kg	☼	-239	41 - 158
Benzo[b]fluoranthene	1400		369	331	F1	ug/Kg	☼	-298	35 - 152
Benzo[g,h,i]perylene	450		369	238	F1	ug/Kg	☼	-56	32 - 150
Benzo[k]fluoranthene	760		369	240	F1	ug/Kg	☼	-141	38 - 148
Chrysene	1400		369	300	F1	ug/Kg	☼	-297	38 - 147
Dibenz(a,h)anthracene	170		369	199	F1	ug/Kg	☼	9	32 - 155
Fluoranthene	2700		369	366	4	ug/Kg	☼	-636	36 - 147
Fluorene	200		369	187	F1	ug/Kg	☼	-4	36 - 138
Indeno[1,2,3-cd]pyrene	440		369	242	F1	ug/Kg	☼	-52	35 - 148
1-Methylnaphthalene	150	U	369	192		ug/Kg	☼	52	36 - 130
2-Methylnaphthalene	77	J	369	175	F1	ug/Kg	☼	27	42 - 130
Naphthalene	200		369	191	F1	ug/Kg	☼	-2	33 - 130
Phenanthrene	1800		369	276	4	ug/Kg	☼	-424	40 - 135
Pyrene	2000		369	308	4	ug/Kg	☼	-468	38 - 145

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
o-Terphenyl	*0*	*D*	*36 - 131*

Lab Sample ID: 680-104727-9 MSD — **Client Sample ID: CV0815B-CS-0-4"**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 347120 — **Prep Batch: 346745**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Acenaphthene	230		369	228	F1	ug/Kg	☼	-2	33 - 130	20	50
Acenaphthylene	150	U	369	212		ug/Kg	☼	58	37 - 131	22	50
Anthracene	520		369	245	F1	ug/Kg	☼	-76	42 - 146	23	50
Benzo[a]anthracene	1500		369	367	4	ug/Kg	☼	-304	39 - 157	26	50
Benzo[a]pyrene	1200		369	349	F1	ug/Kg	☼	-218	41 - 158	26	50
Benzo[b]fluoranthene	1400		369	460	F1	ug/Kg	☼	-263	35 - 152	33	50
Benzo[g,h,i]perylene	450		369	282	F1	ug/Kg	☼	-44	32 - 150	17	50
Benzo[k]fluoranthene	760		369	293	F1	ug/Kg	☼	-127	38 - 148	20	50
Chrysene	1400		369	401	F1	ug/Kg	☼	-270	38 - 147	29	50
Dibenz(a,h)anthracene	170		369	216	F1	ug/Kg	☼	14	32 - 155	8	50
Fluoranthene	2700		369	456	4	ug/Kg	☼	-611	36 - 147	22	50
Fluorene	200		369	231	F1	ug/Kg	☼	7	36 - 138	21	50
Indeno[1,2,3-cd]pyrene	440		369	257	F1	ug/Kg	☼	-48	35 - 148	6	50
1-Methylnaphthalene	150	U	369	238		ug/Kg	☼	65	36 - 130	21	50

Method: 8270D_LL_PAH - Semivolatile Organic Compounds (GC/MS) Low level PAH (Continued)

Lab Sample ID: 680-104727-9 MSD — **Client Sample ID: CV0815B-CS-0-4"**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 347120 — **Prep Batch: 346745**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
2-Methylnaphthalene	77	J	369	238		ug/Kg	☼	44	42 - 130	30	50
Naphthalene	200		369	219	F1	ug/Kg	☼	6	33 - 130	14	50
Phenanthrene	1800		369	328	4	ug/Kg	☼	-410	40 - 135	17	50
Pyrene	2000		369	472	4	ug/Kg	☼	-424	38 - 145	42	50

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
o-Terphenyl	*0*	*D*	*36 - 131*

Method: 6010C - Metals (ICP)

Lab Sample ID: MB 680-346548/1-A — **Client Sample ID: Method Blank**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 346763 — **Prep Batch: 346548**

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	19	U	19	9.4	mg/Kg		08/29/14 08:43	08/30/14 01:30	1
Arsenic	1.9	U	1.9	0.56	mg/Kg		08/29/14 08:43	08/30/14 01:30	1
Iron	19	U	19	6.6	mg/Kg		08/29/14 08:43	08/30/14 01:30	1
Lead	0.94	U	0.94	0.50	mg/Kg		08/29/14 08:43	08/30/14 01:30	1

Lab Sample ID: LCS 680-346548/2-A — **Client Sample ID: Lab Control Sample**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 346763 — **Prep Batch: 346548**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Aluminum	424	407		mg/Kg		96	75 - 125
Arsenic	8.47	8.28		mg/Kg		98	75 - 125
Iron	424	427		mg/Kg		101	75 - 125
Lead	4.24	4.14		mg/Kg		98	75 - 125

Lab Sample ID: 680-104727-2MS — **Client Sample ID: CV0323A-CS-0-4"**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 346763 — **Prep Batch: 346548**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Aluminum	11000		558	12300	4	mg/Kg	☼	291	75 - 125
Arsenic	26		11.2	35.1		mg/Kg	☼	84	75 - 125
Iron	49000		558	57500	4	mg/Kg	☼	1483	75 - 125
Lead	280		5.58	298	4	mg/Kg	☼	247	75 - 125

Lab Sample ID: 680-104727-2MSD — **Client Sample ID: CV0323A-CS-0-4"**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 346763 — **Prep Batch: 346548**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Aluminum	11000		563	13000	4	mg/Kg	☼	420	75 - 125	6	20
Arsenic	26		11.3	37.9		mg/Kg	☼	108	75 - 125	8	20
Iron	49000		563	53000	4	mg/Kg	☼	667	75 - 125	8	20

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

Lab Sample ID: 680-104727-2MSD — **Client Sample ID: CV0323A-CS-0-4"**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 346763 — **Prep Batch: 346548**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Lead	280		5.63	362	4	mg/Kg	☼	1383	75 - 125	19	20

Lab Sample ID: 680-104727-9 MS — **Client Sample ID: CV0815B-CS-0-4"**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 346763 — **Prep Batch: 346548**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Aluminum	8900		517	10200	4	mg/Kg	☼	249	75 - 125
Arsenic	20		10.3	25.4	F1	mg/Kg	☼	48	75 - 125
Iron	41000		517	32800	4	mg/Kg	☼	-1574	75 - 125
Lead	67		5.17	70.7	4	mg/Kg	☼	65	75 - 125

Lab Sample ID: 680-104727-9 MSD — **Client Sample ID: CV0815B-CS-0-4"**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 346763 — **Prep Batch: 346548**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Aluminum	8900		481	10400	4	mg/Kg	☼	316	75 - 125	2	20
Arsenic	20		9.62	28.6		mg/Kg	☼	85	75 - 125	12	20
Iron	41000		481	42900	4 F2	mg/Kg	☼	398	75 - 125	27	20
Lead	67		4.81	67.3	4	mg/Kg	☼	-2	75 - 125	5	20

QC Association Summary

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

TestAmerica Job ID: 680-104727-1
SDG: 680-104727-01

GC/MS Semi VOA

Prep Batch: 346745

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-104727-9	CV0815B-CS-0-4"	Total/NA	Solid	3546	
680-104727-9 MS	CV0815B-CS-0-4"	Total/NA	Solid	3546	
680-104727-9 MSD	CV0815B-CS-0-4"	Total/NA	Solid	3546	
680-104727-10	CV0268A-CS-0-4"-DUP	Total/NA	Solid	3546	
LCS 680-346745/8-A	Lab Control Sample	Total/NA	Solid	3546	
MB 680-346745/7-A	Method Blank	Total/NA	Solid	3546	

Analysis Batch: 347120

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-104727-9	CV0815B-CS-0-4"	Total/NA	Solid	8270D_LL_PAH	346745
680-104727-9 MS	CV0815B-CS-0-4"	Total/NA	Solid	8270D_LL_PAH	346745
680-104727-9 MSD	CV0815B-CS-0-4"	Total/NA	Solid	8270D_LL_PAH	346745
680-104727-10	CV0268A-CS-0-4"-DUP	Total/NA	Solid	8270D_LL_PAH	346745
LCS 680-346745/8-A	Lab Control Sample	Total/NA	Solid	8270D_LL_PAH	346745
MB 680-346745/7-A	Method Blank	Total/NA	Solid	8270D_LL_PAH	346745

Metals

Prep Batch: 346548

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-104727-1	CV0268A-CS-0-4"	Total/NA	Solid	3050B	
680-104727-2	CV0323A-CS-0-4"	Total/NA	Solid	3050B	
680-104727-2MS	CV0323A-CS-0-4"	Total/NA	Solid	3050B	
680-104727-2MSD	CV0323A-CS-0-4"	Total/NA	Solid	3050B	
680-104727-3	CV0222B-CS-0-4"	Total/NA	Solid	3050B	
680-104727-4	CV1067A-CS-0-4"	Total/NA	Solid	3050B	
680-104727-5	CV1357B-CS-0-4"	Total/NA	Solid	3050B	
680-104727-6	HP0098B-CS-0-4"	Total/NA	Solid	3050B	
680-104727-7	HP0237A-CS-0-4"	Total/NA	Solid	3050B	
680-104727-8	CV0815A-CS-0-4"	Total/NA	Solid	3050B	
680-104727-9	CV0815B-CS-0-4"	Total/NA	Solid	3050B	
680-104727-9 MS	CV0815B-CS-0-4"	Total/NA	Solid	3050B	
680-104727-9 MSD	CV0815B-CS-0-4"	Total/NA	Solid	3050B	
680-104727-10	CV0268A-CS-0-4"-DUP	Total/NA	Solid	3050B	
LCS 680-346548/2-A	Lab Control Sample	Total/NA	Solid	3050B	
MB 680-346548/1-A	Method Blank	Total/NA	Solid	3050B	

Analysis Batch: 346763

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-104727-1	CV0268A-CS-0-4"	Total/NA	Solid	6010C	346548
680-104727-2	CV0323A-CS-0-4"	Total/NA	Solid	6010C	346548
680-104727-2MS	CV0323A-CS-0-4"	Total/NA	Solid	6010C	346548
680-104727-2MSD	CV0323A-CS-0-4"	Total/NA	Solid	6010C	346548
680-104727-3	CV0222B-CS-0-4"	Total/NA	Solid	6010C	346548
680-104727-4	CV1067A-CS-0-4"	Total/NA	Solid	6010C	346548
680-104727-5	CV1357B-CS-0-4"	Total/NA	Solid	6010C	346548
680-104727-6	HP0098B-CS-0-4"	Total/NA	Solid	6010C	346548
680-104727-7	HP0237A-CS-0-4"	Total/NA	Solid	6010C	346548
680-104727-8	CV0815A-CS-0-4"	Total/NA	Solid	6010C	346548
680-104727-9	CV0815B-CS-0-4"	Total/NA	Solid	6010C	346548

Metals (Continued)

Analysis Batch: 346763 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-104727-9 MS	CV0815B-CS-0-4"	Total/NA	Solid	6010C	346548
680-104727-9 MSD	CV0815B-CS-0-4"	Total/NA	Solid	6010C	346548
680-104727-10	CV0268A-CS-0-4"-DUP	Total/NA	Solid	6010C	346548
LCS 680-346548/2-A	Lab Control Sample	Total/NA	Solid	6010C	346548
MB 680-346548/1-A	Method Blank	Total/NA	Solid	6010C	346548

General Chemistry

Analysis Batch: 346473

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-104727-1	CV0268A-CS-0-4"	Total/NA	Solid	Moisture	
680-104727-2	CV0323A-CS-0-4"	Total/NA	Solid	Moisture	
680-104727-3	CV0222B-CS-0-4"	Total/NA	Solid	Moisture	
680-104727-4	CV1067A-CS-0-4"	Total/NA	Solid	Moisture	
680-104727-5	CV1357B-CS-0-4"	Total/NA	Solid	Moisture	
680-104727-6	HP0098B-CS-0-4"	Total/NA	Solid	Moisture	
680-104727-7	HP0237A-CS-0-4"	Total/NA	Solid	Moisture	
680-104727-8	CV0815A-CS-0-4"	Total/NA	Solid	Moisture	
680-104727-9	CV0815B-CS-0-4"	Total/NA	Solid	Moisture	
680-104727-9 MS	CV0815B-CS-0-4"	Total/NA	Solid	Moisture	
680-104727-9 MSD	CV0815B-CS-0-4"	Total/NA	Solid	Moisture	
680-104727-10	CV0268A-CS-0-4"-DUP	Total/NA	Solid	Moisture	

Analysis Batch: 346766

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-104727-2MS	CV0323A-CS-0-4"	Total/NA	Solid	Moisture	
680-104727-2MSD	CV0323A-CS-0-4"	Total/NA	Solid	Moisture	

Lab Chronicle

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

TestAmerica Job ID: 680-104727-1
SDG: 680-104727-01

Client Sample ID: CV0268A-CS-0-4"

Lab Sample ID: 680-104727-1
Date Collected: 08/25/14 13:25
Matrix: Solid
Date Received: 08/28/14 09:30
Percent Solids: 88.5

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			1.01 g	100 mL	346548	08/29/14 08:43	CRW	TAL SAV
Total/NA	Analysis	6010C		1	1.01 g	100 mL	346763	08/30/14 02:21	BCB	TAL SAV
	Instrument ID: ICPE									
Total/NA	Analysis	Moisture		1			346473	08/28/14 16:18	HML	TAL SAV
	Instrument ID: NOEQUIP									

Client Sample ID: CV0323A-CS-0-4"

Lab Sample ID: 680-104727-2
Date Collected: 08/25/14 14:20
Matrix: Solid
Date Received: 08/28/14 09:30
Percent Solids: 89.9

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			1.05 g	100 mL	346548	08/29/14 08:43	CRW	TAL SAV
Total/NA	Analysis	6010C		1	1.05 g	100 mL	346763	08/30/14 01:39	BCB	TAL SAV
	Instrument ID: ICPE									
Total/NA	Analysis	Moisture		1			346473	08/28/14 16:18	HML	TAL SAV
	Instrument ID: NOEQUIP									

Client Sample ID: CV0222B-CS-0-4"

Lab Sample ID: 680-104727-3
Date Collected: 08/25/14 14:55
Matrix: Solid
Date Received: 08/28/14 09:30
Percent Solids: 90.3

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			1.02 g	100 mL	346548	08/29/14 08:43	CRW	TAL SAV
Total/NA	Analysis	6010C		1	1.02 g	100 mL	346763	08/30/14 02:26	BCB	TAL SAV
	Instrument ID: ICPE									
Total/NA	Analysis	Moisture		1			346473	08/28/14 16:18	HML	TAL SAV
	Instrument ID: NOEQUIP									

Client Sample ID: CV1067A-CS-0-4"

Lab Sample ID: 680-104727-4
Date Collected: 08/25/14 15:30
Matrix: Solid
Date Received: 08/28/14 09:30
Percent Solids: 89.1

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			1.02 g	100 mL	346548	08/29/14 08:43	CRW	TAL SAV
Total/NA	Analysis	6010C		1	1.02 g	100 mL	346763	08/30/14 02:30	BCB	TAL SAV
	Instrument ID: ICPE									
Total/NA	Analysis	Moisture		1			346473	08/28/14 16:18	HML	TAL SAV
	Instrument ID: NOEQUIP									

Lab Chronicle

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

TestAmerica Job ID: 680-104727-1
SDG: 680-104727-01

Client Sample ID: CV1357B-CS-0-4"

Lab Sample ID: 680-104727-5
Date Collected: 08/25/14 15:55
Matrix: Solid
Date Received: 08/28/14 09:30
Percent Solids: 91.1

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			1.11 g	100 mL	346548	08/29/14 08:43	CRW	TAL SAV
Total/NA	Analysis	6010C		1	1.11 g	100 mL	346763	08/30/14 02:34	BCB	TAL SAV
	Instrument ID: ICPE									
Total/NA	Analysis	Moisture		1			346473	08/28/14 16:18	HML	TAL SAV
	Instrument ID: NOEQUIP									

Client Sample ID: HP0098B-CS-0-4"

Lab Sample ID: 680-104727-6
Date Collected: 08/25/14 16:15
Matrix: Solid
Date Received: 08/28/14 09:30
Percent Solids: 90.5

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			1.07 g	100 mL	346548	08/29/14 08:43	CRW	TAL SAV
Total/NA	Analysis	6010C		1	1.07 g	100 mL	346763	08/30/14 02:39	BCB	TAL SAV
	Instrument ID: ICPE									
Total/NA	Analysis	Moisture		1			346473	08/28/14 16:18	HML	TAL SAV
	Instrument ID: NOEQUIP									

Client Sample ID: HP0237A-CS-0-4"

Lab Sample ID: 680-104727-7
Date Collected: 08/25/14 16:40
Matrix: Solid
Date Received: 08/28/14 09:30
Percent Solids: 93.0

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			1.08 g	100 mL	346548	08/29/14 08:43	CRW	TAL SAV
Total/NA	Analysis	6010C		1	1.08 g	100 mL	346763	08/30/14 02:43	BCB	TAL SAV
	Instrument ID: ICPE									
Total/NA	Analysis	Moisture		1			346473	08/28/14 16:18	HML	TAL SAV
	Instrument ID: NOEQUIP									

Client Sample ID: CV0815A-CS-0-4"

Lab Sample ID: 680-104727-8
Date Collected: 08/25/14 17:00
Matrix: Solid
Date Received: 08/28/14 09:30
Percent Solids: 88.8

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			1.07 g	100 mL	346548	08/29/14 08:43	CRW	TAL SAV
Total/NA	Analysis	6010C		1	1.07 g	100 mL	346763	08/30/14 02:47	BCB	TAL SAV
	Instrument ID: ICPE									
Total/NA	Analysis	Moisture		1			346473	08/28/14 16:18	HML	TAL SAV
	Instrument ID: NOEQUIP									

Lab Chronicle

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

TestAmerica Job ID: 680-104727-1
SDG: 680-104727-01

Client Sample ID: CV0815B-CS-0-4"

Lab Sample ID: 680-104727-9

Date Collected: 08/25/14 17:15
Date Received: 08/28/14 09:30

Matrix: Solid
Percent Solids: 90.4

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3546			30.01 g	1 mL	346745	08/30/14 10:36	JMK	TAL SAV
Total/NA	Analysis	8270D_LL_PAH		20	30.01 g	1 mL	347120	09/03/14 17:51	RAM	TAL SAV
	Instrument ID:	CMSK								
Total/NA	Prep	3050B			1.09 g	100 mL	346548	08/29/14 08:43	CRW	TAL SAV
Total/NA	Analysis	6010C		1	1.09 g	100 mL	346763	08/30/14 02:00	BCB	TAL SAV
	Instrument ID:	ICPE								
Total/NA	Analysis	Moisture		1			346473	08/28/14 16:18	HML	TAL SAV
	Instrument ID:	NOEQUIP								

Client Sample ID: CV0268A-CS-0-4"-DUP

Lab Sample ID: 680-104727-10

Date Collected: 08/25/14 13:25
Date Received: 08/28/14 09:30

Matrix: Solid
Percent Solids: 89.8

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3546			30.01 g	1 mL	346745	08/30/14 10:36	JMK	TAL SAV
Total/NA	Analysis	8270D_LL_PAH		20	30.01 g	1 mL	347120	09/03/14 18:15	RAM	TAL SAV
	Instrument ID:	CMSK								
Total/NA	Prep	3050B			1.06 g	100 mL	346548	08/29/14 08:43	CRW	TAL SAV
Total/NA	Analysis	6010C		1	1.06 g	100 mL	346763	08/30/14 02:52	BCB	TAL SAV
	Instrument ID:	ICPE								
Total/NA	Analysis	Moisture		1			346473	08/28/14 16:18	HML	TAL SAV
	Instrument ID:	NOEQUIP								

Laboratory References:

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

TestAmerica Savannah
5102 LaRoche Avenue

Savannah, GA 31404
phone 912.354.7858 fax

Chain of Custody Record

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

TestAmerica Laboratories, Inc.

Regulatory Program: ☐ DW ☐ NPDES ☐ RCRA ☐ Other:

Client Contact	Project Manager: Russell Henderson	Site Contact: Limari Krebs	Date: 8/27/14	COC No:
OTIE	Tel/Fax: 678-355-5550	Lab Contact: Lisa Harvey	Carrier: Fedex	_____ of _____ COCs
1220 Kennestone Circle	**Analysis Turnaround Time**			Sampler:
Marietta, GA 30066	☑ CALENDAR DAYS ☐ WORKING DAYS			**For Lab Use Only:**
678-355-5550 ext. 5703	TAT if different from Below _____			Walk-in Client:
(xxx) xxx-xxxx FAX	☑ 2 weeks			Lab Sampling:
Project Name: 35th Avenue Removal	☐ 1 week			
Site: 35th Avenue Removal	☐ 2 days			Job / SDG No.:
P O #	☐ 1 day			

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=Grab)	Matrix	# of Cont.	Filtered Sample (Y / N)	Perform MS / MSD (Y / N)	As, Pb, Fe, Al	LL-PAH	Sample Specific Notes:
CV0268A-CS-0-4"	8/25/2014	13:25	C	SO	1			X		
CV0323A-CS-0-4"	8/25/2014	14:20	C	SO	2			X		MS/MSD
CV0222B-CS-0-4"	8/25/2014	14:55	C	SO	1			X		
CV1067A-CS-0-4"	8/25/2014	15:30	C	SO	1			X		
CV1357B-CS-0-4"	8/25/2014	15:55	C	SO	1			X		
HP0098B-CS-0-4"	8/25/2014	16:15	C	SO	1			X		
HP0237A-CS-0-4"	8/25/2014	16:40	C	SO	1			X		
CV0815A-CS-0-4"	8/25/2014	17:00	C	SO	1			X		
CV0815B-CS-0-4"	8/25/2014	17:15	C	SO	2			X	X	
CV0268A-CS-0-4"-Dup	8/25/2014	13:25	C	SO	2			X	X	

680-104727 Chain of Custody

Preservation Used: 1= Ice, 2= HCl; 3= H2SO4; 4=HNO3; 5=NaOH; 6= Other

Possible Hazard Identification:
Are any samples from a listed EPA Hazardous Waste? Please List any EPA Waste Codes for the sample in the Comments Section if the lab is to dispose of the sample.

☑ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)

☐ Return to Client ☐ Disposal by Lab ☐ Archive for_____ Months

Special Instructions/QC Requirements & Comments:

Custody Seals Intact: ☐ Yes ☐ No | Custody Seal No.: | Cooler Temp. (°C): Obs'd:_____ Corr'd:_____ Therm ID No.:_____

Relinquished by:	Company:	Date/Time:	Received by:	Company:	Date/Time:
			Monica TA 680-104727		8/28/14 9:30 2.0°C
Relinquished by:	Company:	Date/Time:	Received by:	Company:	Date/Time:
Relinquished by:	Company:	Date/Time:	Received in Laboratory by:	Company:	Date/Time:

Form No. CA-C-WI-002, Rev. 4.3, dated 12/05/2013

Login Sample Receipt Checklist

Client: Oneida Total Integrated Enterprises LLC

Job Number: 680-104727-1
SDG Number: 680-104727-01

Login Number: 104727
List Number: 1
Creator: White, Menica R

List Source: TestAmerica Savannah

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	N/A	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	N/A	
There are no discrepancies between the containers received and the COC.	N/A	One jar for -10, two jars for -8: does not match the COC
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.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	N/A	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

Certification Summary

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

TestAmerica Job ID: 680-104727-1
SDG: 680-104727-01

Laboratory: TestAmerica Savannah

The certifications listed below are applicable to this report.

Authority	Program	EPA Region	Certification ID	Expiration Date
Alabama	State Program	4	41450	06-30-15

Lab Sample ID	Client Sample ID	Matrix	Sample Type	Collection Date	Percent Moisture	Analysis Method	Dilution Factor	Analysis Date	CAS	Analyte	Result	Unit	Flag	High Limit	High Limit Type	Low Limit
680-104727-1	CV0268A-CS-0-4''	Solid		8/25/2014 13:25	11.5	6010C	1	8/30/2014 2:21	7429-90-5	Aluminum	11000	mg/Kg		22	RL	11
680-104727-1	CV0268A-CS-0-4''	Solid		8/25/2014 13:25	11.5	6010C	1	8/30/2014 2:21	7440-38-2	Arsenic	41	mg/Kg		2.2	RL	0.66
680-104727-1	CV0268A-CS-0-4''	Solid		8/25/2014 13:25	11.5	6010C	1	8/30/2014 2:21	7439-89-6	Iron	60000	mg/Kg		22	RL	7.8
680-104727-1	CV0268A-CS-0-4''	Solid		8/25/2014 13:25	11.5	6010C	1	8/30/2014 2:21	7439-92-1	Lead	260	mg/Kg		1.1	RL	0.59
680-104727-10	CV0268A-CS-0-4-DUP"	Solid		8/25/2014 13:25	10.2	6010C	1	8/30/2014 2:52	7429-90-5	Aluminum	9300	mg/Kg		21	RL	11
680-104727-10	CV0268A-CS-0-4-DUP"	Solid		8/25/2014 13:25	10.2	6010C	1	8/30/2014 2:52	7440-38-2	Arsenic	38	mg/Kg		2.1	RL	0.62
680-104727-10	CV0268A-CS-0-4-DUP"	Solid		8/25/2014 13:25	10.2	6010C	1	8/30/2014 2:52	7439-89-6	Iron	52000	mg/Kg		21	RL	7.4
680-104727-10	CV0268A-CS-0-4-DUP"	Solid		8/25/2014 13:25	10.2	6010C	1	8/30/2014 2:52	7439-92-1	Lead	290	mg/Kg		1.1	RL	0.56
680-104727-2	CV0323A-CS-0-4''	Solid		8/25/2014 14:20	10.1	6010C	1	8/30/2014 1:39	7429-90-5	Aluminum	11000	mg/Kg		21	RL	11
680-104727-2	CV0323A-CS-0-4''	Solid		8/25/2014 14:20	10.1	6010C	1	8/30/2014 1:39	7440-38-2	Arsenic	26	mg/Kg		2.1	RL	0.63
680-104727-2	CV0323A-CS-0-4''	Solid		8/25/2014 14:20	10.1	6010C	1	8/30/2014 1:39	7439-89-6	Iron	49000	mg/Kg		21	RL	7.4
680-104727-2	CV0323A-CS-0-4''	Solid		8/25/2014 14:20	10.1	6010C	1	8/30/2014 1:39	7439-92-1	Lead	280	mg/Kg		1.1	RL	0.56
680-104727-2MS	CV0323A-CS-0-4''	Solid	MS	8/25/2014 14:20	14.7	6010C	1	8/30/2014 1:51	7429-90-5	Aluminum	12300	mg/Kg	4	22	RL	11
680-104727-2MS	CV0323A-CS-0-4''	Solid	MS	8/25/2014 14:20	14.7	6010C	1	8/30/2014 1:51	7440-38-2	Arsenic	35.1	mg/Kg		2.2	RL	0.66
680-104727-2MS	CV0323A-CS-0-4''	Solid	MS	8/25/2014 14:20	14.7	6010C	1	8/30/2014 1:51	7439-89-6	Iron	57500	mg/Kg	4	22	RL	7.8
680-104727-2MS	CV0323A-CS-0-4''	Solid	MS	8/25/2014 14:20	14.7	6010C	1	8/30/2014 1:51	7439-92-1	Lead	298	mg/Kg	4	1.1	RL	0.59
680-104727-2MSD	CV0323A-CS-0-4''	Solid	MSD	8/25/2014 14:20	14.7	6010C	1	8/30/2014 1:56	7429-90-5	Aluminum	13000	mg/Kg	4	23	RL	11
680-104727-2MSD	CV0323A-CS-0-4''	Solid	MSD	8/25/2014 14:20	14.7	6010C	1	8/30/2014 1:56	7440-38-2	Arsenic	37.9	mg/Kg		2.3	RL	0.66
680-104727-2MSD	CV0323A-CS-0-4''	Solid	MSD	8/25/2014 14:20	14.7	6010C	1	8/30/2014 1:56	7439-89-6	Iron	53000	mg/Kg	4	23	RL	7.9
680-104727-2MSD	CV0323A-CS-0-4''	Solid	MSD	8/25/2014 14:20	14.7	6010C	1	8/30/2014 1:56	7439-92-1	Lead	362	mg/Kg	4	1.1	RL	0.6
680-104727-3	CV0222B-CS-0-4''	Solid		8/25/2014 14:55	9.7	6010C	1	8/30/2014 2:26	7429-90-5	Aluminum	12000	mg/Kg		22	RL	11
680-104727-3	CV0222B-CS-0-4''	Solid		8/25/2014 14:55	9.7	6010C	1	8/30/2014 2:26	7440-38-2	Arsenic	33	mg/Kg		2.2	RL	0.64
680-104727-3	CV0222B-CS-0-4''	Solid		8/25/2014 14:55	9.7	6010C	1	8/30/2014 2:26	7439-89-6	Iron	37000	mg/Kg		22	RL	7.6
680-104727-3	CV0222B-CS-0-4''	Solid		8/25/2014 14:55	9.7	6010C	1	8/30/2014 2:26	7439-92-1	Lead	110	mg/Kg		1.1	RL	0.58
680-104727-4	CV1067A-CS-0-4''	Solid		8/25/2014 15:30	10.9	6010C	1	8/30/2014 2:30	7429-90-5	Aluminum	12000	mg/Kg		22	RL	11
680-104727-4	CV1067A-CS-0-4''	Solid		8/25/2014 15:30	10.9	6010C	1	8/30/2014 2:30	7440-38-2	Arsenic	24	mg/Kg		2.2	RL	0.65
680-104727-4	CV1067A-CS-0-4''	Solid		8/25/2014 15:30	10.9	6010C	1	8/30/2014 2:30	7439-89-6	Iron	46000	mg/Kg		22	RL	7.7
680-104727-4	CV1067A-CS-0-4''	Solid		8/25/2014 15:30	10.9	6010C	1	8/30/2014 2:30	7439-92-1	Lead	300	mg/Kg		1.1	RL	0.58
680-104727-5	CV1357B-CS-0-4''	Solid		8/25/2014 15:55	8.9	6010C	1	8/30/2014 2:34	7429-90-5	Aluminum	12000	mg/Kg		20	RL	9.9
680-104727-5	CV1357B-CS-0-4''	Solid		8/25/2014 15:55	8.9	6010C	1	8/30/2014 2:34	7440-38-2	Arsenic	26	mg/Kg		2	RL	0.58
680-104727-5	CV1357B-CS-0-4''	Solid		8/25/2014 15:55	8.9	6010C	1	8/30/2014 2:34	7439-89-6	Iron	45000	mg/Kg		20	RL	6.9
680-104727-5	CV1357B-CS-0-4''	Solid		8/25/2014 15:55	8.9	6010C	1	8/30/2014 2:34	7439-92-1	Lead	340	mg/Kg		0.99	RL	0.52
680-104727-6	HP0098B-CS-0-4''	Solid		8/25/2014 16:15	9.5	6010C	1	8/30/2014 2:39	7429-90-5	Aluminum	18000	mg/Kg		21	RL	10
680-104727-6	HP0098B-CS-0-4''	Solid		8/25/2014 16:15	9.5	6010C	1	8/30/2014 2:39	7440-38-2	Arsenic	44	mg/Kg		2.1	RL	0.61
680-104727-6	HP0098B-CS-0-4''	Solid		8/25/2014 16:15	9.5	6010C	1	8/30/2014 2:39	7439-89-6	Iron	75000	mg/Kg		21	RL	7.2
680-104727-6	HP0098B-CS-0-4''	Solid		8/25/2014 16:15	9.5	6010C	1	8/30/2014 2:39	7439-92-1	Lead	190	mg/Kg		1	RL	0.55
680-104727-7	HP0237A-CS-0-4''	Solid		8/25/2014 16:40	7	6010C	1	8/30/2014 2:43	7429-90-5	Aluminum	20000	mg/Kg		20	RL	10
680-104727-7	HP0237A-CS-0-4''	Solid		8/25/2014 16:40	7	6010C	1	8/30/2014 2:43	7440-38-2	Arsenic	25	mg/Kg		2	RL	0.59
680-104727-7	HP0237A-CS-0-4''	Solid		8/25/2014 16:40	7	6010C	1	8/30/2014 2:43	7439-89-6	Iron	45000	mg/Kg		20	RL	7
680-104727-7	HP0237A-CS-0-4''	Solid		8/25/2014 16:40	7	6010C	1	8/30/2014 2:43	7439-92-1	Lead	190	mg/Kg		1	RL	0.53
680-104727-8	CV0815A-CS-0-4''	Solid		8/25/2014 17:00	11.2	6010C	1	8/30/2014 2:47	7429-90-5	Aluminum	11000	mg/Kg		21	RL	11
680-104727-8	CV0815A-CS-0-4''	Solid		8/25/2014 17:00	11.2	6010C	1	8/30/2014 2:47	7440-38-2	Arsenic	18	mg/Kg		2.1	RL	0.62
680-104727-8	CV0815A-CS-0-4''	Solid		8/25/2014 17:00	11.2	6010C	1	8/30/2014 2:47	7439-89-6	Iron	41000	mg/Kg		21	RL	7.4

Low Limit Type	Percent Recovery	Lower Recovery Limit	Upper Recovery Limit	RPD	RPD Limit	Receipt Lab	Project Description	SDG	Lab Job ID	COC ID	Sample Type Desc	Receive Date	Total Sample Amount	Total Sample Amount Units
MDL						TestAmerica Savannah	35th Avenue Superfund Site	680-104727-01	680-104727-1			8/28/2014 9:30		
MDL						TestAmerica Savannah	35th Avenue Superfund Site	680-104727-01	680-104727-1			8/28/2014 9:30		
MDL						TestAmerica Savannah	35th Avenue Superfund Site	680-104727-01	680-104727-1			8/28/2014 9:30		
MDL						TestAmerica Savannah	35th Avenue Superfund Site	680-104727-01	680-104727-1			8/28/2014 9:30		
MDL						TestAmerica Savannah	35th Avenue Superfund Site	680-104727-01	680-104727-1			8/28/2014 9:30		
MDL						TestAmerica Savannah	35th Avenue Superfund Site	680-104727-01	680-104727-1			8/28/2014 9:30		
MDL						TestAmerica Savannah	35th Avenue Superfund Site	680-104727-01	680-104727-1			8/28/2014 9:30		
MDL						TestAmerica Savannah	35th Avenue Superfund Site	680-104727-01	680-104727-1			8/28/2014 9:30		
MDL						TestAmerica Savannah	35th Avenue Superfund Site	680-104727-01	680-104727-1			8/28/2014 9:30		
MDL						TestAmerica Savannah	35th Avenue Superfund Site	680-104727-01	680-104727-1			8/28/2014 9:30		
MDL						TestAmerica Savannah	35th Avenue Superfund Site	680-104727-01	680-104727-1			8/28/2014 9:30		
MDL						TestAmerica Savannah	35th Avenue Superfund Site	680-104727-01	680-104727-1			8/28/2014 9:30		
MDL	291	75	125	6	20		35th Avenue Superfund Site	680-104727-01	680-104727-1		Matrix Spike	8/28/2014 9:30		
MDL	84	75	125	8	20		35th Avenue Superfund Site	680-104727-01	680-104727-1		Matrix Spike	8/28/2014 9:30		
MDL	1483	75	125	8	20		35th Avenue Superfund Site	680-104727-01	680-104727-1		Matrix Spike	8/28/2014 9:30		
MDL	247	75	125	19	20		35th Avenue Superfund Site	680-104727-01	680-104727-1		Matrix Spike	8/28/2014 9:30		
MDL	420	75	125	6	20		35th Avenue Superfund Site	680-104727-01	680-104727-1		Matrix Spike Duplicate	8/28/2014 9:30		
MDL	108	75	125	8	20		35th Avenue Superfund Site	680-104727-01	680-104727-1		Matrix Spike Duplicate	8/28/2014 9:30		
MDL	667	75	125	8	20		35th Avenue Superfund Site	680-104727-01	680-104727-1		Matrix Spike Duplicate	8/28/2014 9:30		
MDL	1383	75	125	19	20		35th Avenue Superfund Site	680-104727-01	680-104727-1		Matrix Spike Duplicate	8/28/2014 9:30		
MDL						TestAmerica Savannah	35th Avenue Superfund Site	680-104727-01	680-104727-1			8/28/2014 9:30		
MDL						TestAmerica Savannah	35th Avenue Superfund Site	680-104727-01	680-104727-1			8/28/2014 9:30		
MDL						TestAmerica Savannah	35th Avenue Superfund Site	680-104727-01	680-104727-1			8/28/2014 9:30		
MDL						TestAmerica Savannah	35th Avenue Superfund Site	680-104727-01	680-104727-1			8/28/2014 9:30		
MDL						TestAmerica Savannah	35th Avenue Superfund Site	680-104727-01	680-104727-1			8/28/2014 9:30		
MDL						TestAmerica Savannah	35th Avenue Superfund Site	680-104727-01	680-104727-1			8/28/2014 9:30		
MDL						TestAmerica Savannah	35th Avenue Superfund Site	680-104727-01	680-104727-1			8/28/2014 9:30		
MDL						TestAmerica Savannah	35th Avenue Superfund Site	680-104727-01	680-104727-1			8/28/2014 9:30		
MDL						TestAmerica Savannah	35th Avenue Superfund Site	680-104727-01	680-104727-1			8/28/2014 9:30		
MDL						TestAmerica Savannah	35th Avenue Superfund Site	680-104727-01	680-104727-1			8/28/2014 9:30		
MDL						TestAmerica Savannah	35th Avenue Superfund Site	680-104727-01	680-104727-1			8/28/2014 9:30		
MDL						TestAmerica Savannah	35th Avenue Superfund Site	680-104727-01	680-104727-1			8/28/2014 9:30		
MDL						TestAmerica Savannah	35th Avenue Superfund Site	680-104727-01	680-104727-1			8/28/2014 9:30		
MDL						TestAmerica Savannah	35th Avenue Superfund Site	680-104727-01	680-104727-1			8/28/2014 9:30		
MDL						TestAmerica Savannah	35th Avenue Superfund Site	680-104727-01	680-104727-1			8/28/2014 9:30		
MDL						TestAmerica Savannah	35th Avenue Superfund Site	680-104727-01	680-104727-1			8/28/2014 9:30		
MDL						TestAmerica Savannah	35th Avenue Superfund Site	680-104727-01	680-104727-1			8/28/2014 9:30		
MDL						TestAmerica Savannah	35th Avenue Superfund Site	680-104727-01	680-104727-1			8/28/2014 9:30		

Leach Batch	Leach Method	Leach Date	Prep Batch	Prep Method	Prep Date	Prep Type	Initial Amount	Initial Amount Unit	Final Amount	Final Amount Unit	Re-Analysis Type	Analysis Batch	Analysis Lab	Instrument ID	Column_Detector ID	Basis	Analyte Type	Result Status
			680-346548	3050B	8/29/2014 8:43	Total/NA	1.01	g	100	mL		680-346763	TestAmerica Savannah	ICPE		DRY	Target	PRIMARY
			680-346548	3050B	8/29/2014 8:43	Total/NA	1.01	g	100	mL		680-346763	TestAmerica Savannah	ICPE		DRY	Target	PRIMARY
			680-346548	3050B	8/29/2014 8:43	Total/NA	1.01	g	100	mL		680-346763	TestAmerica Savannah	ICPE		DRY	Target	PRIMARY
			680-346548	3050B	8/29/2014 8:43	Total/NA	1.01	g	100	mL		680-346763	TestAmerica Savannah	ICPE		DRY	Target	PRIMARY
			680-346548	3050B	8/29/2014 8:43	Total/NA	1.06	g	100	mL		680-346763	TestAmerica Savannah	ICPE		DRY	Target	PRIMARY
			680-346548	3050B	8/29/2014 8:43	Total/NA	1.06	g	100	mL		680-346763	TestAmerica Savannah	ICPE		DRY	Target	PRIMARY
			680-346548	3050B	8/29/2014 8:43	Total/NA	1.06	g	100	mL		680-346763	TestAmerica Savannah	ICPE		DRY	Target	PRIMARY
			680-346548	3050B	8/29/2014 8:43	Total/NA	1.06	g	100	mL		680-346763	TestAmerica Savannah	ICPE		DRY	Target	PRIMARY
			680-346548	3050B	8/29/2014 8:43	Total/NA	1.05	g	100	mL		680-346763	TestAmerica Savannah	ICPE		DRY	Target	PRIMARY
			680-346548	3050B	8/29/2014 8:43	Total/NA	1.05	g	100	mL		680-346763	TestAmerica Savannah	ICPE		DRY	Target	PRIMARY
			680-346548	3050B	8/29/2014 8:43	Total/NA	1.05	g	100	mL		680-346763	TestAmerica Savannah	ICPE		DRY	Target	PRIMARY
			680-346548	3050B	8/29/2014 8:43	Total/NA	1.05	g	100	mL		680-346763	TestAmerica Savannah	ICPE		DRY	Target	PRIMARY
			680-346548	3050B	8/29/2014 8:43	Total/NA	1.05	g	100	mL		680-346763	TestAmerica Savannah	ICPE		DRY	Spike	PRIMARY
			680-346548	3050B	8/29/2014 8:43	Total/NA	1.05	g	100	mL		680-346763	TestAmerica Savannah	ICPE		DRY	Spike	PRIMARY
			680-346548	3050B	8/29/2014 8:43	Total/NA	1.05	g	100	mL		680-346763	TestAmerica Savannah	ICPE		DRY	Spike	PRIMARY
			680-346548	3050B	8/29/2014 8:43	Total/NA	1.05	g	100	mL		680-346763	TestAmerica Savannah	ICPE		DRY	Spike	PRIMARY
			680-346548	3050B	8/29/2014 8:43	Total/NA	1.04	g	100	mL		680-346763	TestAmerica Savannah	ICPE		DRY	Spike	PRIMARY
			680-346548	3050B	8/29/2014 8:43	Total/NA	1.04	g	100	mL		680-346763	TestAmerica Savannah	ICPE		DRY	Spike	PRIMARY
			680-346548	3050B	8/29/2014 8:43	Total/NA	1.04	g	100	mL		680-346763	TestAmerica Savannah	ICPE		DRY	Spike	PRIMARY
			680-346548	3050B	8/29/2014 8:43	Total/NA	1.04	g	100	mL		680-346763	TestAmerica Savannah	ICPE		DRY	Spike	PRIMARY
			680-346548	3050B	8/29/2014 8:43	Total/NA	1.02	g	100	mL		680-346763	TestAmerica Savannah	ICPE		DRY	Target	PRIMARY
			680-346548	3050B	8/29/2014 8:43	Total/NA	1.02	g	100	mL		680-346763	TestAmerica Savannah	ICPE		DRY	Target	PRIMARY
			680-346548	3050B	8/29/2014 8:43	Total/NA	1.02	g	100	mL		680-346763	TestAmerica Savannah	ICPE		DRY	Target	PRIMARY
			680-346548	3050B	8/29/2014 8:43	Total/NA	1.02	g	100	mL		680-346763	TestAmerica Savannah	ICPE		DRY	Target	PRIMARY
			680-346548	3050B	8/29/2014 8:43	Total/NA	1.02	g	100	mL		680-346763	TestAmerica Savannah	ICPE		DRY	Target	PRIMARY
			680-346548	3050B	8/29/2014 8:43	Total/NA	1.02	g	100	mL		680-346763	TestAmerica Savannah	ICPE		DRY	Target	PRIMARY
			680-346548	3050B	8/29/2014 8:43	Total/NA	1.02	g	100	mL		680-346763	TestAmerica Savannah	ICPE		DRY	Target	PRIMARY
			680-346548	3050B	8/29/2014 8:43	Total/NA	1.11	g	100	mL		680-346763	TestAmerica Savannah	ICPE		DRY	Target	PRIMARY
			680-346548	3050B	8/29/2014 8:43	Total/NA	1.11	g	100	mL		680-346763	TestAmerica Savannah	ICPE		DRY	Target	PRIMARY
			680-346548	3050B	8/29/2014 8:43	Total/NA	1.11	g	100	mL		680-346763	TestAmerica Savannah	ICPE		DRY	Target	PRIMARY
			680-346548	3050B	8/29/2014 8:43	Total/NA	1.11	g	100	mL		680-346763	TestAmerica Savannah	ICPE		DRY	Target	PRIMARY
			680-346548	3050B	8/29/2014 8:43	Total/NA	1.07	g	100	mL		680-346763	TestAmerica Savannah	ICPE		DRY	Target	PRIMARY
			680-346548	3050B	8/29/2014 8:43	Total/NA	1.07	g	100	mL		680-346763	TestAmerica Savannah	ICPE		DRY	Target	PRIMARY
			680-346548	3050B	8/29/2014 8:43	Total/NA	1.07	g	100	mL		680-346763	TestAmerica Savannah	ICPE		DRY	Target	PRIMARY
			680-346548	3050B	8/29/2014 8:43	Total/NA	1.07	g	100	mL		680-346763	TestAmerica Savannah	ICPE		DRY	Target	PRIMARY
			680-346548	3050B	8/29/2014 8:43	Total/NA	1.08	g	100	mL		680-346763	TestAmerica Savannah	ICPE		DRY	Target	PRIMARY
			680-346548	3050B	8/29/2014 8:43	Total/NA	1.08	g	100	mL		680-346763	TestAmerica Savannah	ICPE		DRY	Target	PRIMARY
			680-346548	3050B	8/29/2014 8:43	Total/NA	1.08	g	100	mL		680-346763	TestAmerica Savannah	ICPE		DRY	Target	PRIMARY
			680-346548	3050B	8/29/2014 8:43	Total/NA	1.08	g	100	mL		680-346763	TestAmerica Savannah	ICPE		DRY	Target	PRIMARY
			680-346548	3050B	8/29/2014 8:43	Total/NA	1.07	g	100	mL		680-346763	TestAmerica Savannah	ICPE		DRY	Target	PRIMARY
			680-346548	3050B	8/29/2014 8:43	Total/NA	1.07	g	100	mL		680-346763	TestAmerica Savannah	ICPE		DRY	Target	PRIMARY
			680-346548	3050B	8/29/2014 8:43	Total/NA	1.07	g	100	mL		680-346763	TestAmerica Savannah	ICPE		DRY	Target	PRIMARY

TPU	TPU Sigma	Decision Level	Retention Time	Spike Amount	Expected Amount	RER	RER Limit	Lower Breech Limit	Upper Breech Limit
				558	11600				
				11.2	37.2				
				558	49600				
				5.58	286				
				563	11600				
				11.3	37.3				
				563	49600				
				5.63	286				

Lab Sample ID	Client Sample ID	Matrix	Sample Type	Collection Date	Percent Moisture	Analysis Method	Dilution Factor	Analysis Date	CAS	Analyte	Result	Unit	Flag	High Limit	High Limit Type	Low Limit
680-104727-8	CV0815A-CS-0-4''	Solid		8/25/2014 17:00	11.2	6010C	1	8/30/2014 2:47	7439-92-1	Lead	49	mg/Kg		1.1	RL	0.56
680-104727-9	CV0815B-CS-0-4''	Solid		8/25/2014 17:15	9.6	6010C	1	8/30/2014 2:00	7429-90-5	Aluminum	8900	mg/Kg		20	RL	10
680-104727-9	CV0815B-CS-0-4''	Solid		8/25/2014 17:15	9.6	6010C	1	8/30/2014 2:00	7440-38-2	Arsenic	20	mg/Kg		2	RL	0.6
680-104727-9	CV0815B-CS-0-4''	Solid		8/25/2014 17:15	9.6	6010C	1	8/30/2014 2:00	7439-89-6	Iron	41000	mg/Kg		20	RL	7.1
680-104727-9	CV0815B-CS-0-4''	Solid		8/25/2014 17:15	9.6	6010C	1	8/30/2014 2:00	7439-92-1	Lead	67	mg/Kg		1	RL	0.54
680-104727-9 MS	CV0815B-CS-0-4''	Solid	MS	8/25/2014 17:15	9.6	6010C	1	8/30/2014 2:04	7429-90-5	Aluminum	10200	mg/Kg	4	21	RL	10
680-104727-9 MS	CV0815B-CS-0-4''	Solid	MS	8/25/2014 17:15	9.6	6010C	1	8/30/2014 2:04	7440-38-2	Arsenic	25.4	mg/Kg	F1	2.1	RL	0.61
680-104727-9 MS	CV0815B-CS-0-4''	Solid	MS	8/25/2014 17:15	9.6	6010C	1	8/30/2014 2:04	7439-89-6	Iron	32800	mg/Kg	4	21	RL	7.2
680-104727-9 MS	CV0815B-CS-0-4''	Solid	MS	8/25/2014 17:15	9.6	6010C	1	8/30/2014 2:04	7439-92-1	Lead	70.7	mg/Kg	4	1	RL	0.55
680-104727-9 MSD	CV0815B-CS-0-4''	Solid	MSD	8/25/2014 17:15	9.6	6010C	1	8/30/2014 2:17	7429-90-5	Aluminum	10400	mg/Kg	4	19	RL	9.6
680-104727-9 MSD	CV0815B-CS-0-4''	Solid	MSD	8/25/2014 17:15	9.6	6010C	1	8/30/2014 2:17	7440-38-2	Arsenic	28.6	mg/Kg		1.9	RL	0.57
680-104727-9 MSD	CV0815B-CS-0-4''	Solid	MSD	8/25/2014 17:15	9.6	6010C	1	8/30/2014 2:17	7439-89-6	Iron	42900	mg/Kg	4 F2	19	RL	6.7
680-104727-9 MSD	CV0815B-CS-0-4''	Solid	MSD	8/25/2014 17:15	9.6	6010C	1	8/30/2014 2:17	7439-92-1	Lead	67.3	mg/Kg	4	0.96	RL	0.51
LCS 680-346548/2-A		Solid	LCS			6010C	1	8/30/2014 1:34	7429-90-5	Aluminum	407	mg/Kg		17	RL	8.5
LCS 680-346548/2-A		Solid	LCS			6010C	1	8/30/2014 1:34	7440-38-2	Arsenic	8.28	mg/Kg		1.7	RL	0.5
LCS 680-346548/2-A		Solid	LCS			6010C	1	8/30/2014 1:34	7439-89-6	Iron	427	mg/Kg		17	RL	5.9
LCS 680-346548/2-A		Solid	LCS			6010C	1	8/30/2014 1:34	7439-92-1	Lead	4.14	mg/Kg		0.85	RL	0.45
MB 680-346548/1-A		Solid	MB			6010C	1	8/30/2014 1:30	7429-90-5	Aluminum	19	mg/Kg	U	19	RL	9.4
MB 680-346548/1-A		Solid	MB			6010C	1	8/30/2014 1:30	7440-38-2	Arsenic	1.9	mg/Kg	U	1.9	RL	0.56
MB 680-346548/1-A		Solid	MB			6010C	1	8/30/2014 1:30	7439-89-6	Iron	19	mg/Kg	U	19	RL	6.6
MB 680-346548/1-A		Solid	MB			6010C	1	8/30/2014 1:30	7439-92-1	Lead	0.94	mg/Kg	U	0.94	RL	0.5
680-104727-10	CV0268A-CS-0-4-DUP''	Solid		8/25/2014 13:25	10.2	8270D_LL_PA	20	9/3/2014 18:15	90-12-0	1-Methylnaph	150	ug/Kg	U	150	RL	69
680-104727-10	CV0268A-CS-0-4-DUP''	Solid		8/25/2014 13:25	10.2	8270D_LL_PA	20	9/3/2014 18:15	91-57-6	2-Methylnaph	150	ug/Kg	U	150	RL	73
680-104727-10	CV0268A-CS-0-4-DUP''	Solid		8/25/2014 13:25	10.2	8270D_LL_PA	20	9/3/2014 18:15	83-32-9	Acenaphthene	150	ug/Kg	U	150	RL	73
680-104727-10	CV0268A-CS-0-4-DUP''	Solid		8/25/2014 13:25	10.2	8270D_LL_PA	20	9/3/2014 18:15	208-96-8	Acenaphthyler	150	ug/Kg	U	150	RL	73
680-104727-10	CV0268A-CS-0-4-DUP''	Solid		8/25/2014 13:25	10.2	8270D_LL_PA	20	9/3/2014 18:15	120-12-7	Anthracene	150	ug/Kg	U	150	RL	73
680-104727-10	CV0268A-CS-0-4-DUP''	Solid		8/25/2014 13:25	10.2	8270D_LL_PA	20	9/3/2014 18:15	56-55-3	Benzo[a]anthr	290	ug/Kg		150	RL	73
680-104727-10	CV0268A-CS-0-4-DUP''	Solid		8/25/2014 13:25	10.2	8270D_LL_PA	20	9/3/2014 18:15	50-32-8	Benzo[a]pyren	240	ug/Kg		150	RL	27
680-104727-10	CV0268A-CS-0-4-DUP''	Solid		8/25/2014 13:25	10.2	8270D_LL_PA	20	9/3/2014 18:15	205-99-2	Benzo[b]fluora	430	ug/Kg		150	RL	73
680-104727-10	CV0268A-CS-0-4-DUP''	Solid		8/25/2014 13:25	10.2	8270D_LL_PA	20	9/3/2014 18:15	191-24-2	Benzo[g,h,i]pe	160	ug/Kg		150	RL	73
680-104727-10	CV0268A-CS-0-4-DUP''	Solid		8/25/2014 13:25	10.2	8270D_LL_PA	20	9/3/2014 18:15	207-08-9	Benzo[k]fluora	160	ug/Kg		150	RL	45
680-104727-10	CV0268A-CS-0-4-DUP''	Solid		8/25/2014 13:25	10.2	8270D_LL_PA	20	9/3/2014 18:15	218-01-9	Chrysene	350	ug/Kg		150	RL	73
680-104727-10	CV0268A-CS-0-4-DUP''	Solid		8/25/2014 13:25	10.2	8270D_LL_PA	20	9/3/2014 18:15	53-70-3	Dibenz(a,h)ant	150	ug/Kg	U	150	RL	73
680-104727-10	CV0268A-CS-0-4-DUP''	Solid		8/25/2014 13:25	10.2	8270D_LL_PA	20	9/3/2014 18:15	206-44-0	Fluoranthene	380	ug/Kg		150	RL	73
680-104727-10	CV0268A-CS-0-4-DUP''	Solid		8/25/2014 13:25	10.2	8270D_LL_PA	20	9/3/2014 18:15	86-73-7	Fluorene	150	ug/Kg	U	150	RL	73
680-104727-10	CV0268A-CS-0-4-DUP''	Solid		8/25/2014 13:25	10.2	8270D_LL_PA	20	9/3/2014 18:15	193-39-5	Indeno[1,2,3-c	140	ug/Kg	J	150	RL	73
680-104727-10	CV0268A-CS-0-4-DUP''	Solid		8/25/2014 13:25	10.2	8270D_LL_PA	20	9/3/2014 18:15	91-20-3	Naphthalene	150	ug/Kg	U	150	RL	73
680-104727-10	CV0268A-CS-0-4-DUP''	Solid		8/25/2014 13:25	10.2	8270D_LL_PA	20	9/3/2014 18:15	84-15-1	o-Terphenyl	0	ug/Kg	D			
680-104727-10	CV0268A-CS-0-4-DUP''	Solid		8/25/2014 13:25	10.2	8270D_LL_PA	20	9/3/2014 18:15	85-01-8	Phenanthrene	130	ug/Kg	J	150	RL	53
680-104727-10	CV0268A-CS-0-4-DUP''	Solid		8/25/2014 13:25	10.2	8270D_LL_PA	20	9/3/2014 18:15	129-00-0	Pyrene	340	ug/Kg		150	RL	73
680-104727-9	CV0815B-CS-0-4''	Solid		8/25/2014 17:15	9.6	8270D_LL_PA	20	9/3/2014 17:51	90-12-0	1-Methylnaph	150	ug/Kg	U	150	RL	69
680-104727-9	CV0815B-CS-0-4''	Solid		8/25/2014 17:15	9.6	8270D_LL_PA	20	9/3/2014 17:51	91-57-6	2-Methylnaph	77	ug/Kg	J	150	RL	73
680-104727-9	CV0815B-CS-0-4''	Solid		8/25/2014 17:15	9.6	8270D_LL_PA	20	9/3/2014 17:51	83-32-9	Acenaphthene	230	ug/Kg		150	RL	73

Low Limit Type	Percent Recovery	Lower Recovery Limit	Upper Recovery Limit	RPD	RPD Limit	Receipt Lab	Project Description	SDG	Lab Job ID	COC ID	Sample Type Desc	Receive Date	Total Sample Amount	Total Sample Amount Units
MDL						TestAmerica Savannah	35th Avenue Superfund Site	680-104727-01	680-104727-1			8/28/2014 9:30		
MDL						TestAmerica Savannah	35th Avenue Superfund Site	680-104727-01	680-104727-1			8/28/2014 9:30		
MDL						TestAmerica Savannah	35th Avenue Superfund Site	680-104727-01	680-104727-1			8/28/2014 9:30		
MDL						TestAmerica Savannah	35th Avenue Superfund Site	680-104727-01	680-104727-1			8/28/2014 9:30		
MDL						TestAmerica Savannah	35th Avenue Superfund Site	680-104727-01	680-104727-1			8/28/2014 9:30		
MDL	249	75	125	2	20		35th Avenue Superfund Site	680-104727-01	680-104727-1		Matrix Spike	8/28/2014 9:30		
MDL	48	75	125	12	20		35th Avenue Superfund Site	680-104727-01	680-104727-1		Matrix Spike	8/28/2014 9:30		
MDL	-1574	75	125	27	20		35th Avenue Superfund Site	680-104727-01	680-104727-1		Matrix Spike	8/28/2014 9:30		
MDL	65	75	125	5	20		35th Avenue Superfund Site	680-104727-01	680-104727-1		Matrix Spike	8/28/2014 9:30		
MDL	316	75	125	2	20		35th Avenue Superfund Site	680-104727-01	680-104727-1		Matrix Spike Duplicate	8/28/2014 9:30		
MDL	85	75	125	12	20		35th Avenue Superfund Site	680-104727-01	680-104727-1		Matrix Spike Duplicate	8/28/2014 9:30		
MDL	398	75	125	27	20		35th Avenue Superfund Site	680-104727-01	680-104727-1		Matrix Spike Duplicate	8/28/2014 9:30		
MDL	-2	75	125	5	20		35th Avenue Superfund Site	680-104727-01	680-104727-1		Matrix Spike Duplicate	8/28/2014 9:30		
MDL	96	75	125				35th Avenue Superfund Site	680-104727-01	680-104727-1		Lab Control Sample			
MDL	98	75	125				35th Avenue Superfund Site	680-104727-01	680-104727-1		Lab Control Sample			
MDL	101	75	125				35th Avenue Superfund Site	680-104727-01	680-104727-1		Lab Control Sample			
MDL	98	75	125				35th Avenue Superfund Site	680-104727-01	680-104727-1		Lab Control Sample			
MDL							35th Avenue Superfund Site	680-104727-01	680-104727-1		Method Blank			
MDL							35th Avenue Superfund Site	680-104727-01	680-104727-1		Method Blank			
MDL							35th Avenue Superfund Site	680-104727-01	680-104727-1		Method Blank			
MDL							35th Avenue Superfund Site	680-104727-01	680-104727-1		Method Blank			
MDL						TestAmerica Savannah	35th Avenue Superfund Site	680-104727-01	680-104727-1			8/28/2014 9:30		
MDL						TestAmerica Savannah	35th Avenue Superfund Site	680-104727-01	680-104727-1			8/28/2014 9:30		
MDL						TestAmerica Savannah	35th Avenue Superfund Site	680-104727-01	680-104727-1			8/28/2014 9:30		
MDL						TestAmerica Savannah	35th Avenue Superfund Site	680-104727-01	680-104727-1			8/28/2014 9:30		
MDL						TestAmerica Savannah	35th Avenue Superfund Site	680-104727-01	680-104727-1			8/28/2014 9:30		
MDL						TestAmerica Savannah	35th Avenue Superfund Site	680-104727-01	680-104727-1			8/28/2014 9:30		
MDL						TestAmerica Savannah	35th Avenue Superfund Site	680-104727-01	680-104727-1			8/28/2014 9:30		
MDL						TestAmerica Savannah	35th Avenue Superfund Site	680-104727-01	680-104727-1			8/28/2014 9:30		
MDL						TestAmerica Savannah	35th Avenue Superfund Site	680-104727-01	680-104727-1			8/28/2014 9:30		
MDL						TestAmerica Savannah	35th Avenue Superfund Site	680-104727-01	680-104727-1			8/28/2014 9:30		
MDL						TestAmerica Savannah	35th Avenue Superfund Site	680-104727-01	680-104727-1			8/28/2014 9:30		
MDL						TestAmerica Savannah	35th Avenue Superfund Site	680-104727-01	680-104727-1			8/28/2014 9:30		
	0	36	131			TestAmerica Savannah	35th Avenue Superfund Site	680-104727-01	680-104727-1			8/28/2014 9:30		
MDL						TestAmerica Savannah	35th Avenue Superfund Site	680-104727-01	680-104727-1			8/28/2014 9:30		
MDL						TestAmerica Savannah	35th Avenue Superfund Site	680-104727-01	680-104727-1			8/28/2014 9:30		
MDL						TestAmerica Savannah	35th Avenue Superfund Site	680-104727-01	680-104727-1			8/28/2014 9:30		
MDL						TestAmerica Savannah	35th Avenue Superfund Site	680-104727-01	680-104727-1			8/28/2014 9:30		
MDL						TestAmerica Savannah	35th Avenue Superfund Site	680-104727-01	680-104727-1			8/28/2014 9:30		

Leach Batch	Leach Method	Leach Date	Prep Batch	Prep Method	Prep Date	Prep Type	Initial Amount	Initial Amount Unit	Final Amount	Final Amount Unit	Re-Analysis Type	Analysis Batch	Analysis Lab	Instrument ID	Column_Detector ID	Basis	Analyte Type	Result Status
			680-346548	3050B	8/29/2014 8:43	Total/NA	1.07	g	100	mL		680-346763	TestAmerica Savannah	ICPE		DRY	Target	PRIMARY
			680-346548	3050B	8/29/2014 8:43	Total/NA	1.09	g	100	mL		680-346763	TestAmerica Savannah	ICPE		DRY	Target	PRIMARY
			680-346548	3050B	8/29/2014 8:43	Total/NA	1.09	g	100	mL		680-346763	TestAmerica Savannah	ICPE		DRY	Target	PRIMARY
			680-346548	3050B	8/29/2014 8:43	Total/NA	1.09	g	100	mL		680-346763	TestAmerica Savannah	ICPE		DRY	Target	PRIMARY
			680-346548	3050B	8/29/2014 8:43	Total/NA	1.09	g	100	mL		680-346763	TestAmerica Savannah	ICPE		DRY	Target	PRIMARY
			680-346548	3050B	8/29/2014 8:43	Total/NA	1.07	g	100	mL		680-346763	TestAmerica Savannah	ICPE		DRY	Spike	PRIMARY
			680-346548	3050B	8/29/2014 8:43	Total/NA	1.07	g	100	mL		680-346763	TestAmerica Savannah	ICPE		DRY	Spike	PRIMARY
			680-346548	3050B	8/29/2014 8:43	Total/NA	1.07	g	100	mL		680-346763	TestAmerica Savannah	ICPE		DRY	Spike	PRIMARY
			680-346548	3050B	8/29/2014 8:43	Total/NA	1.07	g	100	mL		680-346763	TestAmerica Savannah	ICPE		DRY	Spike	PRIMARY
			680-346548	3050B	8/29/2014 8:43	Total/NA	1.15	g	100	mL		680-346763	TestAmerica Savannah	ICPE		DRY	Spike	PRIMARY
			680-346548	3050B	8/29/2014 8:43	Total/NA	1.15	g	100	mL		680-346763	TestAmerica Savannah	ICPE		DRY	Spike	PRIMARY
			680-346548	3050B	8/29/2014 8:43	Total/NA	1.15	g	100	mL		680-346763	TestAmerica Savannah	ICPE		DRY	Spike	PRIMARY
			680-346548	3050B	8/29/2014 8:43	Total/NA	1.15	g	100	mL		680-346763	TestAmerica Savannah	ICPE		DRY	Spike	PRIMARY
			680-346548	3050B	8/29/2014 8:43	Total/NA	1.18	g	100	mL		680-346763	TestAmerica Savannah	ICPE		WET	Spike	PRIMARY
			680-346548	3050B	8/29/2014 8:43	Total/NA	1.18	g	100	mL		680-346763	TestAmerica Savannah	ICPE		WET	Spike	PRIMARY
			680-346548	3050B	8/29/2014 8:43	Total/NA	1.18	g	100	mL		680-346763	TestAmerica Savannah	ICPE		WET	Spike	PRIMARY
			680-346548	3050B	8/29/2014 8:43	Total/NA	1.18	g	100	mL		680-346763	TestAmerica Savannah	ICPE		WET	Spike	PRIMARY
			680-346548	3050B	8/29/2014 8:43	Total/NA	1.06	g	100	mL		680-346763	TestAmerica Savannah	ICPE		WET	Target	PRIMARY
			680-346548	3050B	8/29/2014 8:43	Total/NA	1.06	g	100	mL		680-346763	TestAmerica Savannah	ICPE		WET	Target	PRIMARY
			680-346548	3050B	8/29/2014 8:43	Total/NA	1.06	g	100	mL		680-346763	TestAmerica Savannah	ICPE		WET	Target	PRIMARY
			680-346548	3050B	8/29/2014 8:43	Total/NA	1.06	g	100	mL		680-346763	TestAmerica Savannah	ICPE		WET	Target	PRIMARY
			680-346745	3546	8/30/2014 10:36	Total/NA	30.01	g	1	mL		680-347120	TestAmerica Savannah	CMSK		DRY	Target	PRIMARY
			680-346745	3546	8/30/2014 10:36	Total/NA	30.01	g	1	mL		680-347120	TestAmerica Savannah	CMSK		DRY	Target	PRIMARY
			680-346745	3546	8/30/2014 10:36	Total/NA	30.01	g	1	mL		680-347120	TestAmerica Savannah	CMSK		DRY	Target	PRIMARY
			680-346745	3546	8/30/2014 10:36	Total/NA	30.01	g	1	mL		680-347120	TestAmerica Savannah	CMSK		DRY	Target	PRIMARY
			680-346745	3546	8/30/2014 10:36	Total/NA	30.01	g	1	mL		680-347120	TestAmerica Savannah	CMSK		DRY	Target	PRIMARY
			680-346745	3546	8/30/2014 10:36	Total/NA	30.01	g	1	mL		680-347120	TestAmerica Savannah	CMSK		DRY	Target	PRIMARY
			680-346745	3546	8/30/2014 10:36	Total/NA	30.01	g	1	mL		680-347120	TestAmerica Savannah	CMSK		DRY	Target	PRIMARY
			680-346745	3546	8/30/2014 10:36	Total/NA	30.01	g	1	mL		680-347120	TestAmerica Savannah	CMSK		DRY	Target	PRIMARY
			680-346745	3546	8/30/2014 10:36	Total/NA	30.01	g	1	mL		680-347120	TestAmerica Savannah	CMSK		DRY	Target	PRIMARY
			680-346745	3546	8/30/2014 10:36	Total/NA	30.01	g	1	mL		680-347120	TestAmerica Savannah	CMSK		DRY	Target	PRIMARY
			680-346745	3546	8/30/2014 10:36	Total/NA	30.01	g	1	mL		680-347120	TestAmerica Savannah	CMSK		DRY	Target	PRIMARY
			680-346745	3546	8/30/2014 10:36	Total/NA	30.01	g	1	mL		680-347120	TestAmerica Savannah	CMSK		DRY	Target	PRIMARY
			680-346745	3546	8/30/2014 10:36	Total/NA	30.01	g	1	mL		680-347120	TestAmerica Savannah	CMSK		DRY	Surrogate	PRIMARY
			680-346745	3546	8/30/2014 10:36	Total/NA	30.01	g	1	mL		680-347120	TestAmerica Savannah	CMSK		DRY	Target	PRIMARY
			680-346745	3546	8/30/2014 10:36	Total/NA	30.01	g	1	mL		680-347120	TestAmerica Savannah	CMSK		DRY	Target	PRIMARY
			680-346745	3546	8/30/2014 10:36	Total/NA	30.01	g	1	mL		680-347120	TestAmerica Savannah	CMSK		DRY	Target	PRIMARY
			680-346745	3546	8/30/2014 10:36	Total/NA	30.01	g	1	mL		680-347120	TestAmerica Savannah	CMSK		DRY	Target	PRIMARY
			680-346745	3546	8/30/2014 10:36	Total/NA	30.01	g	1	mL		680-347120	TestAmerica Savannah	CMSK		DRY	Target	PRIMARY

TPU	TPU Sigma	Decision Level	Retention Time	Spike Amount	Expected Amount	RER	RER Limit	Lower Breech Limit	Upper Breech Limit
				517	9420				
				10.3	30.3				
				517	41500				
				5.17	72.2				
				481	9380				
				9.62	29.6				
				481	41500				
				4.81	71.8				
				424					
				8.47					
				424					
				4.24					
			4.682						
			4.582						
			7.344						
			10.076						
			11.433						
			11.11						
			13.119						
			11.133						
			10.111						
			8.589						
			12.749						
			3.912						
				74.2	74.2				
			7.285						
			8.824						
			4.682						
			4.582						
			5.693						

Lab Sample ID	Client Sample ID	Matrix	Sample Type	Collection Date	Percent Moisture	Analysis Method	Dilution Factor	Analysis Date	CAS	Analyte	Result	Unit	Flag	High Limit	High Limit Type	Low Limit
680-104727-9	CV0815B-CS-0-4''	Solid		8/25/2014 17:15	9.6	8270D_LL_PA	20	9/3/2014 17:51	208-96-8	Acenaphthyler	150	ug/Kg	U	150	RL	73
680-104727-9	CV0815B-CS-0-4''	Solid		8/25/2014 17:15	9.6	8270D_LL_PA	20	9/3/2014 17:51	120-12-7	Anthracene	520	ug/Kg		150	RL	73
680-104727-9	CV0815B-CS-0-4''	Solid		8/25/2014 17:15	9.6	8270D_LL_PA	20	9/3/2014 17:51	56-55-3	Benzo[a]anthr	1500	ug/Kg		150	RL	73
680-104727-9	CV0815B-CS-0-4''	Solid		8/25/2014 17:15	9.6	8270D_LL_PA	20	9/3/2014 17:51	50-32-8	Benzo[a]pyren	1200	ug/Kg		150	RL	27
680-104727-9	CV0815B-CS-0-4''	Solid		8/25/2014 17:15	9.6	8270D_LL_PA	20	9/3/2014 17:51	205-99-2	Benzo[b]fluora	1400	ug/Kg		150	RL	73
680-104727-9	CV0815B-CS-0-4''	Solid		8/25/2014 17:15	9.6	8270D_LL_PA	20	9/3/2014 17:51	191-24-2	Benzo[g,h,i]pe	450	ug/Kg		150	RL	73
680-104727-9	CV0815B-CS-0-4''	Solid		8/25/2014 17:15	9.6	8270D_LL_PA	20	9/3/2014 17:51	207-08-9	Benzo[k]fluora	760	ug/Kg		150	RL	44
680-104727-9	CV0815B-CS-0-4''	Solid		8/25/2014 17:15	9.6	8270D_LL_PA	20	9/3/2014 17:51	218-01-9	Chrysene	1400	ug/Kg		150	RL	73
680-104727-9	CV0815B-CS-0-4''	Solid		8/25/2014 17:15	9.6	8270D_LL_PA	20	9/3/2014 17:51	53-70-3	Dibenz(a,h)ant	170	ug/Kg		150	RL	73
680-104727-9	CV0815B-CS-0-4''	Solid		8/25/2014 17:15	9.6	8270D_LL_PA	20	9/3/2014 17:51	206-44-0	Fluoranthene	2700	ug/Kg		150	RL	73
680-104727-9	CV0815B-CS-0-4''	Solid		8/25/2014 17:15	9.6	8270D_LL_PA	20	9/3/2014 17:51	86-73-7	Fluorene	200	ug/Kg		150	RL	73
680-104727-9	CV0815B-CS-0-4''	Solid		8/25/2014 17:15	9.6	8270D_LL_PA	20	9/3/2014 17:51	193-39-5	Indeno[1,2,3-c	440	ug/Kg		150	RL	73
680-104727-9	CV0815B-CS-0-4''	Solid		8/25/2014 17:15	9.6	8270D_LL_PA	20	9/3/2014 17:51	91-20-3	Naphthalene	200	ug/Kg		150	RL	73
680-104727-9	CV0815B-CS-0-4''	Solid		8/25/2014 17:15	9.6	8270D_LL_PA	20	9/3/2014 17:51	84-15-1	o-Terphenyl	0	ug/Kg	D			
680-104727-9	CV0815B-CS-0-4''	Solid		8/25/2014 17:15	9.6	8270D_LL_PA	20	9/3/2014 17:51	85-01-8	Phenanthrene	1800	ug/Kg		150	RL	53
680-104727-9	CV0815B-CS-0-4''	Solid		8/25/2014 17:15	9.6	8270D_LL_PA	20	9/3/2014 17:51	129-00-0	Pyrene	2000	ug/Kg		150	RL	73
680-104727-9 MS	CV0815B-CS-0-4''	Solid	MS	8/25/2014 17:15	9.6	8270D_LL_PA	20	9/3/2014 17:03	90-12-0	1-Methylnaph	192	ug/Kg		150	RL	69
680-104727-9 MS	CV0815B-CS-0-4''	Solid	MS	8/25/2014 17:15	9.6	8270D_LL_PA	20	9/3/2014 17:03	91-57-6	2-Methylnaph	175	ug/Kg	F1	150	RL	73
680-104727-9 MS	CV0815B-CS-0-4''	Solid	MS	8/25/2014 17:15	9.6	8270D_LL_PA	20	9/3/2014 17:03	83-32-9	Acenaphthene	186	ug/Kg	F1	150	RL	73
680-104727-9 MS	CV0815B-CS-0-4''	Solid	MS	8/25/2014 17:15	9.6	8270D_LL_PA	20	9/3/2014 17:03	208-96-8	Acenaphthyler	169	ug/Kg		150	RL	73
680-104727-9 MS	CV0815B-CS-0-4''	Solid	MS	8/25/2014 17:15	9.6	8270D_LL_PA	20	9/3/2014 17:03	120-12-7	Anthracene	193	ug/Kg	F1	150	RL	73
680-104727-9 MS	CV0815B-CS-0-4''	Solid	MS	8/25/2014 17:15	9.6	8270D_LL_PA	20	9/3/2014 17:03	56-55-3	Benzo[a]anthr	282	ug/Kg	4	150	RL	73
680-104727-9 MS	CV0815B-CS-0-4''	Solid	MS	8/25/2014 17:15	9.6	8270D_LL_PA	20	9/3/2014 17:03	50-32-8	Benzo[a]pyren	270	ug/Kg	F1	150	RL	27
680-104727-9 MS	CV0815B-CS-0-4''	Solid	MS	8/25/2014 17:15	9.6	8270D_LL_PA	20	9/3/2014 17:03	205-99-2	Benzo[b]fluora	331	ug/Kg	F1	150	RL	73
680-104727-9 MS	CV0815B-CS-0-4''	Solid	MS	8/25/2014 17:15	9.6	8270D_LL_PA	20	9/3/2014 17:03	191-24-2	Benzo[g,h,i]pe	238	ug/Kg	F1	150	RL	73
680-104727-9 MS	CV0815B-CS-0-4''	Solid	MS	8/25/2014 17:15	9.6	8270D_LL_PA	20	9/3/2014 17:03	207-08-9	Benzo[k]fluora	240	ug/Kg	F1	150	RL	44
680-104727-9 MS	CV0815B-CS-0-4''	Solid	MS	8/25/2014 17:15	9.6	8270D_LL_PA	20	9/3/2014 17:03	218-01-9	Chrysene	300	ug/Kg	F1	150	RL	73
680-104727-9 MS	CV0815B-CS-0-4''	Solid	MS	8/25/2014 17:15	9.6	8270D_LL_PA	20	9/3/2014 17:03	53-70-3	Dibenz(a,h)ant	199	ug/Kg	F1	150	RL	73
680-104727-9 MS	CV0815B-CS-0-4''	Solid	MS	8/25/2014 17:15	9.6	8270D_LL_PA	20	9/3/2014 17:03	206-44-0	Fluoranthene	366	ug/Kg	4	150	RL	73
680-104727-9 MS	CV0815B-CS-0-4''	Solid	MS	8/25/2014 17:15	9.6	8270D_LL_PA	20	9/3/2014 17:03	86-73-7	Fluorene	187	ug/Kg	F1	150	RL	73
680-104727-9 MS	CV0815B-CS-0-4''	Solid	MS	8/25/2014 17:15	9.6	8270D_LL_PA	20	9/3/2014 17:03	193-39-5	Indeno[1,2,3-c	242	ug/Kg	F1	150	RL	73
680-104727-9 MS	CV0815B-CS-0-4''	Solid	MS	8/25/2014 17:15	9.6	8270D_LL_PA	20	9/3/2014 17:03	91-20-3	Naphthalene	191	ug/Kg	F1	150	RL	73
680-104727-9 MS	CV0815B-CS-0-4''	Solid	MS	8/25/2014 17:15	9.6	8270D_LL_PA	20	9/3/2014 17:03	84-15-1	o-Terphenyl	0	ug/Kg	D			
680-104727-9 MS	CV0815B-CS-0-4''	Solid	MS	8/25/2014 17:15	9.6	8270D_LL_PA	20	9/3/2014 17:03	85-01-8	Phenanthrene	276	ug/Kg	4	150	RL	53
680-104727-9 MS	CV0815B-CS-0-4''	Solid	MS	8/25/2014 17:15	9.6	8270D_LL_PA	20	9/3/2014 17:03	129-00-0	Pyrene	308	ug/Kg	4	150	RL	73
680-104727-9 MSD	CV0815B-CS-0-4''	Solid	MSD	8/25/2014 17:15	9.6	8270D_LL_PA	20	9/3/2014 17:27	90-12-0	1-Methylnaph	238	ug/Kg		150	RL	69
680-104727-9 MSD	CV0815B-CS-0-4''	Solid	MSD	8/25/2014 17:15	9.6	8270D_LL_PA	20	9/3/2014 17:27	91-57-6	2-Methylnaph	238	ug/Kg		150	RL	73
680-104727-9 MSD	CV0815B-CS-0-4''	Solid	MSD	8/25/2014 17:15	9.6	8270D_LL_PA	20	9/3/2014 17:27	83-32-9	Acenaphthene	228	ug/Kg	F1	150	RL	73
680-104727-9 MSD	CV0815B-CS-0-4''	Solid	MSD	8/25/2014 17:15	9.6	8270D_LL_PA	20	9/3/2014 17:27	208-96-8	Acenaphthyler	212	ug/Kg		150	RL	73
680-104727-9 MSD	CV0815B-CS-0-4''	Solid	MSD	8/25/2014 17:15	9.6	8270D_LL_PA	20	9/3/2014 17:27	120-12-7	Anthracene	245	ug/Kg	F1	150	RL	73
680-104727-9 MSD	CV0815B-CS-0-4''	Solid	MSD	8/25/2014 17:15	9.6	8270D_LL_PA	20	9/3/2014 17:27	56-55-3	Benzo[a]anthr	367	ug/Kg	4	150	RL	73
680-104727-9 MSD	CV0815B-CS-0-4''	Solid	MSD	8/25/2014 17:15	9.6	8270D_LL_PA	20	9/3/2014 17:27	50-32-8	Benzo[a]pyren	349	ug/Kg	F1	150	RL	27
680-104727-9 MSD	CV0815B-CS-0-4''	Solid	MSD	8/25/2014 17:15	9.6	8270D_LL_PA	20	9/3/2014 17:27	205-99-2	Benzo[b]fluora	460	ug/Kg	F1	150	RL	73

Low Limit Type	Percent Recovery	Lower Recovery Limit	Upper Recovery Limit	RPD	RPD Limit	Receipt Lab	Project Description	SDG	Lab Job ID	COC ID	Sample Type Desc	Receive Date	Total Sample Amount	Total Sample Amount Units
MDL						TestAmerica Savannah	35th Avenue Superfund Site	680-104727-01	680-104727-1			8/28/2014 9:30		
MDL						TestAmerica Savannah	35th Avenue Superfund Site	680-104727-01	680-104727-1			8/28/2014 9:30		
MDL						TestAmerica Savannah	35th Avenue Superfund Site	680-104727-01	680-104727-1			8/28/2014 9:30		
MDL						TestAmerica Savannah	35th Avenue Superfund Site	680-104727-01	680-104727-1			8/28/2014 9:30		
MDL						TestAmerica Savannah	35th Avenue Superfund Site	680-104727-01	680-104727-1			8/28/2014 9:30		
MDL						TestAmerica Savannah	35th Avenue Superfund Site	680-104727-01	680-104727-1			8/28/2014 9:30		
MDL						TestAmerica Savannah	35th Avenue Superfund Site	680-104727-01	680-104727-1			8/28/2014 9:30		
MDL						TestAmerica Savannah	35th Avenue Superfund Site	680-104727-01	680-104727-1			8/28/2014 9:30		
MDL						TestAmerica Savannah	35th Avenue Superfund Site	680-104727-01	680-104727-1			8/28/2014 9:30		
MDL						TestAmerica Savannah	35th Avenue Superfund Site	680-104727-01	680-104727-1			8/28/2014 9:30		
MDL						TestAmerica Savannah	35th Avenue Superfund Site	680-104727-01	680-104727-1			8/28/2014 9:30		
MDL						TestAmerica Savannah	35th Avenue Superfund Site	680-104727-01	680-104727-1			8/28/2014 9:30		
	0	36	131			TestAmerica Savannah	35th Avenue Superfund Site	680-104727-01	680-104727-1			8/28/2014 9:30		
MDL						TestAmerica Savannah	35th Avenue Superfund Site	680-104727-01	680-104727-1			8/28/2014 9:30		
MDL						TestAmerica Savannah	35th Avenue Superfund Site	680-104727-01	680-104727-1			8/28/2014 9:30		
MDL	52	36	130	21	50		35th Avenue Superfund Site	680-104727-01	680-104727-1		Matrix Spike	8/28/2014 9:30		
MDL	27	42	130	30	50		35th Avenue Superfund Site	680-104727-01	680-104727-1		Matrix Spike	8/28/2014 9:30		
MDL	-13	33	130	20	50		35th Avenue Superfund Site	680-104727-01	680-104727-1		Matrix Spike	8/28/2014 9:30		
MDL	46	37	131	22	50		35th Avenue Superfund Site	680-104727-01	680-104727-1		Matrix Spike	8/28/2014 9:30		
MDL	-90	42	146	23	50		35th Avenue Superfund Site	680-104727-01	680-104727-1		Matrix Spike	8/28/2014 9:30		
MDL	-327	39	157	26	50		35th Avenue Superfund Site	680-104727-01	680-104727-1		Matrix Spike	8/28/2014 9:30		
MDL	-239	41	158	26	50		35th Avenue Superfund Site	680-104727-01	680-104727-1		Matrix Spike	8/28/2014 9:30		
MDL	-298	35	152	33	50		35th Avenue Superfund Site	680-104727-01	680-104727-1		Matrix Spike	8/28/2014 9:30		
MDL	-56	32	150	17	50		35th Avenue Superfund Site	680-104727-01	680-104727-1		Matrix Spike	8/28/2014 9:30		
MDL	-141	38	148	20	50		35th Avenue Superfund Site	680-104727-01	680-104727-1		Matrix Spike	8/28/2014 9:30		
MDL	-297	38	147	29	50		35th Avenue Superfund Site	680-104727-01	680-104727-1		Matrix Spike	8/28/2014 9:30		
MDL	9	32	155	8	50		35th Avenue Superfund Site	680-104727-01	680-104727-1		Matrix Spike	8/28/2014 9:30		
MDL	-636	36	147	22	50		35th Avenue Superfund Site	680-104727-01	680-104727-1		Matrix Spike	8/28/2014 9:30		
MDL	-4	36	138	21	50		35th Avenue Superfund Site	680-104727-01	680-104727-1		Matrix Spike	8/28/2014 9:30		
MDL	-52	35	148	6	50		35th Avenue Superfund Site	680-104727-01	680-104727-1		Matrix Spike	8/28/2014 9:30		
MDL	-2	33	130	14	50		35th Avenue Superfund Site	680-104727-01	680-104727-1		Matrix Spike	8/28/2014 9:30		
	0	36	131				35th Avenue Superfund Site	680-104727-01	680-104727-1		Matrix Spike	8/28/2014 9:30		
MDL	-424	40	135	17	50		35th Avenue Superfund Site	680-104727-01	680-104727-1		Matrix Spike	8/28/2014 9:30		
MDL	-468	38	145	42	50		35th Avenue Superfund Site	680-104727-01	680-104727-1		Matrix Spike	8/28/2014 9:30		
MDL	65	36	130	21	50		35th Avenue Superfund Site	680-104727-01	680-104727-1		Matrix Spike Duplicate	8/28/2014 9:30		
MDL	44	42	130	30	50		35th Avenue Superfund Site	680-104727-01	680-104727-1		Matrix Spike Duplicate	8/28/2014 9:30		
MDL	-2	33	130	20	50		35th Avenue Superfund Site	680-104727-01	680-104727-1		Matrix Spike Duplicate	8/28/2014 9:30		
MDL	58	37	131	22	50		35th Avenue Superfund Site	680-104727-01	680-104727-1		Matrix Spike Duplicate	8/28/2014 9:30		
MDL	-76	42	146	23	50		35th Avenue Superfund Site	680-104727-01	680-104727-1		Matrix Spike Duplicate	8/28/2014 9:30		
MDL	-304	39	157	26	50		35th Avenue Superfund Site	680-104727-01	680-104727-1		Matrix Spike Duplicate	8/28/2014 9:30		
MDL	-218	41	158	26	50		35th Avenue Superfund Site	680-104727-01	680-104727-1		Matrix Spike Duplicate	8/28/2014 9:30		
MDL	-263	35	152	33	50		35th Avenue Superfund Site	680-104727-01	680-104727-1		Matrix Spike Duplicate	8/28/2014 9:30		

Leach Batch	Leach Method	Leach Date	Prep Batch	Prep Method	Prep Date	Prep Type	Initial Amount	Initial Amount Unit	Final Amount	Final Amount Unit	Re-Analysis Type	Analysis Batch	Analysis Lab	Instrument ID	Column_Detector ID	Basis	Analyte Type	Result Status
			680-346745	3546	8/30/2014 10:36	Total/NA	30.01	g	1	mL		680-347120	TestAmerica Savannah	CMSK		DRY	Target	PRIMARY
			680-346745	3546	8/30/2014 10:36	Total/NA	30.01	g	1	mL		680-347120	TestAmerica Savannah	CMSK		DRY	Target	PRIMARY
			680-346745	3546	8/30/2014 10:36	Total/NA	30.01	g	1	mL		680-347120	TestAmerica Savannah	CMSK		DRY	Target	PRIMARY
			680-346745	3546	8/30/2014 10:36	Total/NA	30.01	g	1	mL		680-347120	TestAmerica Savannah	CMSK		DRY	Target	PRIMARY
			680-346745	3546	8/30/2014 10:36	Total/NA	30.01	g	1	mL		680-347120	TestAmerica Savannah	CMSK		DRY	Target	PRIMARY
			680-346745	3546	8/30/2014 10:36	Total/NA	30.01	g	1	mL		680-347120	TestAmerica Savannah	CMSK		DRY	Target	PRIMARY
			680-346745	3546	8/30/2014 10:36	Total/NA	30.01	g	1	mL		680-347120	TestAmerica Savannah	CMSK		DRY	Target	PRIMARY
			680-346745	3546	8/30/2014 10:36	Total/NA	30.01	g	1	mL		680-347120	TestAmerica Savannah	CMSK		DRY	Target	PRIMARY
			680-346745	3546	8/30/2014 10:36	Total/NA	30.01	g	1	mL		680-347120	TestAmerica Savannah	CMSK		DRY	Target	PRIMARY
			680-346745	3546	8/30/2014 10:36	Total/NA	30.01	g	1	mL		680-347120	TestAmerica Savannah	CMSK		DRY	Target	PRIMARY
			680-346745	3546	8/30/2014 10:36	Total/NA	30.01	g	1	mL		680-347120	TestAmerica Savannah	CMSK		DRY	Target	PRIMARY
			680-346745	3546	8/30/2014 10:36	Total/NA	30.01	g	1	mL		680-347120	TestAmerica Savannah	CMSK		DRY	Target	PRIMARY
			680-346745	3546	8/30/2014 10:36	Total/NA	30.01	g	1	mL		680-347120	TestAmerica Savannah	CMSK		DRY	Surrogate	PRIMARY
			680-346745	3546	8/30/2014 10:36	Total/NA	30.01	g	1	mL		680-347120	TestAmerica Savannah	CMSK		DRY	Target	PRIMARY
			680-346745	3546	8/30/2014 10:36	Total/NA	30.01	g	1	mL		680-347120	TestAmerica Savannah	CMSK		DRY	Target	PRIMARY
			680-346745	3546	8/30/2014 10:36	Total/NA	30.01	g	1	mL		680-347120	TestAmerica Savannah	CMSK		DRY	Spike	PRIMARY
			680-346745	3546	8/30/2014 10:36	Total/NA	30.01	g	1	mL		680-347120	TestAmerica Savannah	CMSK		DRY	Spike	PRIMARY
			680-346745	3546	8/30/2014 10:36	Total/NA	30.01	g	1	mL		680-347120	TestAmerica Savannah	CMSK		DRY	Spike	PRIMARY
			680-346745	3546	8/30/2014 10:36	Total/NA	30.01	g	1	mL		680-347120	TestAmerica Savannah	CMSK		DRY	Spike	PRIMARY
			680-346745	3546	8/30/2014 10:36	Total/NA	30.01	g	1	mL		680-347120	TestAmerica Savannah	CMSK		DRY	Spike	PRIMARY
			680-346745	3546	8/30/2014 10:36	Total/NA	30.01	g	1	mL		680-347120	TestAmerica Savannah	CMSK		DRY	Spike	PRIMARY
			680-346745	3546	8/30/2014 10:36	Total/NA	30.01	g	1	mL		680-347120	TestAmerica Savannah	CMSK		DRY	Spike	PRIMARY
			680-346745	3546	8/30/2014 10:36	Total/NA	30.01	g	1	mL		680-347120	TestAmerica Savannah	CMSK		DRY	Spike	PRIMARY
			680-346745	3546	8/30/2014 10:36	Total/NA	30.01	g	1	mL		680-347120	TestAmerica Savannah	CMSK		DRY	Spike	PRIMARY
			680-346745	3546	8/30/2014 10:36	Total/NA	30.01	g	1	mL		680-347120	TestAmerica Savannah	CMSK		DRY	Spike	PRIMARY
			680-346745	3546	8/30/2014 10:36	Total/NA	30.01	g	1	mL		680-347120	TestAmerica Savannah	CMSK		DRY	Spike	PRIMARY
			680-346745	3546	8/30/2014 10:36	Total/NA	30.01	g	1	mL		680-347120	TestAmerica Savannah	CMSK		DRY	Surrogate	PRIMARY
			680-346745	3546	8/30/2014 10:36	Total/NA	30.01	g	1	mL		680-347120	TestAmerica Savannah	CMSK		DRY	Spike	PRIMARY
			680-346745	3546	8/30/2014 10:36	Total/NA	30.01	g	1	mL		680-347120	TestAmerica Savannah	CMSK		DRY	Spike	PRIMARY
			680-346745	3546	8/30/2014 10:36	Total/NA	30.01	g	1	mL		680-347120	TestAmerica Savannah	CMSK		DRY	Spike	PRIMARY
			680-346745	3546	8/30/2014 10:36	Total/NA	30.01	g	1	mL		680-347120	TestAmerica Savannah	CMSK		DRY	Spike	PRIMARY
			680-346745	3546	8/30/2014 10:36	Total/NA	30.01	g	1	mL		680-347120	TestAmerica Savannah	CMSK		DRY	Spike	PRIMARY
			680-346745	3546	8/30/2014 10:36	Total/NA	30.01	g	1	mL		680-347120	TestAmerica Savannah	CMSK		DRY	Spike	PRIMARY
			680-346745	3546	8/30/2014 10:36	Total/NA	30.01	g	1	mL		680-347120	TestAmerica Savannah	CMSK		DRY	Spike	PRIMARY
			680-346745	3546	8/30/2014 10:36	Total/NA	30.01	g	1	mL		680-347120	TestAmerica Savannah	CMSK		DRY	Spike	PRIMARY
			680-346745	3546	8/30/2014 10:36	Total/NA	30.01	g	1	mL		680-347120	TestAmerica Savannah	CMSK		DRY	Spike	PRIMARY
			680-346745	3546	8/30/2014 10:36	Total/NA	30.01	g	1	mL		680-347120	TestAmerica Savannah	CMSK		DRY	Spike	PRIMARY

TPU	TPU Sigma	Decision Level	Retention Time	Spike Amount	Expected Amount	RER	RER Limit	Lower Breech Limit	Upper Breech Limit
			7.344						
			10.076						
			11.427						
			11.11						
			13.114						
			11.128						
			10.111						
			12.767						
			8.589						
			6.245						
			12.743						
			3.912						
				73.8	73.8				
			7.285						
			8.824						
			4.682	369	369				
			4.582	369	446				
			5.693	369	599				
			5.511	369	369				
			7.344	369	889				
			10.076	369	1870				
			11.421	369	1570				
			11.098	369	1770				
			13.108	369	819				
			11.128	369	1130				
			10.111	369	1770				
			12.767	369	539				
			8.584	369	3070				
			6.245	369	569				
			12.732	369	809				
			3.912	369	569				
				73.8	73.8				
			7.285	369	2170				
			8.824	369	2370				
			4.682	369	369				
			4.582	369	446				
			5.693	369	599				
			5.511	369	369				
			7.344	369	889				
			10.076	369	1870				
			11.427	369	1570				
			11.104	369	1770				

Lab Sample ID	Client Sample ID	Matrix	Sample Type	Collection Date	Percent Moisture	Analysis Method	Dilution Factor	Analysis Date	CAS	Analyte	Result	Unit	Flag	High Limit	High Limit Type	Low Limit
680-104727-9 MSD	CV0815B-CS-0-4''	Solid	MSD	8/25/2014 17:15	9.6	8270D_LL_PA	20	9/3/2014 17:27	191-24-2	Benzo[g,h,i]pe	282	ug/Kg	F1	150	RL	73
680-104727-9 MSD	CV0815B-CS-0-4''	Solid	MSD	8/25/2014 17:15	9.6	8270D_LL_PA	20	9/3/2014 17:27	207-08-9	Benzo[k]fluora	293	ug/Kg	F1	150	RL	44
680-104727-9 MSD	CV0815B-CS-0-4''	Solid	MSD	8/25/2014 17:15	9.6	8270D_LL_PA	20	9/3/2014 17:27	218-01-9	Chrysene	401	ug/Kg	F1	150	RL	73
680-104727-9 MSD	CV0815B-CS-0-4''	Solid	MSD	8/25/2014 17:15	9.6	8270D_LL_PA	20	9/3/2014 17:27	53-70-3	Dibenz(a,h)ant	216	ug/Kg	F1	150	RL	73
680-104727-9 MSD	CV0815B-CS-0-4''	Solid	MSD	8/25/2014 17:15	9.6	8270D_LL_PA	20	9/3/2014 17:27	206-44-0	Fluoranthene	456	ug/Kg	4	150	RL	73
680-104727-9 MSD	CV0815B-CS-0-4''	Solid	MSD	8/25/2014 17:15	9.6	8270D_LL_PA	20	9/3/2014 17:27	86-73-7	Fluorene	231	ug/Kg	F1	150	RL	73
680-104727-9 MSD	CV0815B-CS-0-4''	Solid	MSD	8/25/2014 17:15	9.6	8270D_LL_PA	20	9/3/2014 17:27	193-39-5	Indeno[1,2,3-c	257	ug/Kg	F1	150	RL	73
680-104727-9 MSD	CV0815B-CS-0-4''	Solid	MSD	8/25/2014 17:15	9.6	8270D_LL_PA	20	9/3/2014 17:27	91-20-3	Naphthalene	219	ug/Kg	F1	150	RL	73
680-104727-9 MSD	CV0815B-CS-0-4''	Solid	MSD	8/25/2014 17:15	9.6	8270D_LL_PA	20	9/3/2014 17:27	84-15-1	o-Terphenyl	0	ug/Kg	D			
680-104727-9 MSD	CV0815B-CS-0-4''	Solid	MSD	8/25/2014 17:15	9.6	8270D_LL_PA	20	9/3/2014 17:27	85-01-8	Phenanthrene	328	ug/Kg	4	150	RL	53
680-104727-9 MSD	CV0815B-CS-0-4''	Solid	MSD	8/25/2014 17:15	9.6	8270D_LL_PA	20	9/3/2014 17:27	129-00-0	Pyrene	472	ug/Kg	4	150	RL	73
LCS 680-346745/8-A		Solid	LCS			8270D_LL_PA	1	9/3/2014 16:39	90-12-0	1-Methylnaph	188	ug/Kg		6.7	RL	3.1
LCS 680-346745/8-A		Solid	LCS			8270D_LL_PA	1	9/3/2014 16:39	91-57-6	2-Methylnaph	183	ug/Kg		6.7	RL	3.3
LCS 680-346745/8-A		Solid	LCS			8270D_LL_PA	1	9/3/2014 16:39	83-32-9	Acenaphthene	186	ug/Kg		6.7	RL	3.3
LCS 680-346745/8-A		Solid	LCS			8270D_LL_PA	1	9/3/2014 16:39	208-96-8	Acenaphthyler	191	ug/Kg		6.7	RL	3.3
LCS 680-346745/8-A		Solid	LCS			8270D_LL_PA	1	9/3/2014 16:39	120-12-7	Anthracene	207	ug/Kg		6.7	RL	3.3
LCS 680-346745/8-A		Solid	LCS			8270D_LL_PA	1	9/3/2014 16:39	56-55-3	Benzo[a]anthr	216	ug/Kg		6.7	RL	3.3
LCS 680-346745/8-A		Solid	LCS			8270D_LL_PA	1	9/3/2014 16:39	50-32-8	Benzo[a]pyren	211	ug/Kg		6.7	RL	1.2
LCS 680-346745/8-A		Solid	LCS			8270D_LL_PA	1	9/3/2014 16:39	205-99-2	Benzo[b]fluora	210	ug/Kg		6.7	RL	3.3
LCS 680-346745/8-A		Solid	LCS			8270D_LL_PA	1	9/3/2014 16:39	191-24-2	Benzo[g,h,i]pe	191	ug/Kg		6.7	RL	3.3
LCS 680-346745/8-A		Solid	LCS			8270D_LL_PA	1	9/3/2014 16:39	207-08-9	Benzo[k]fluora	207	ug/Kg		6.7	RL	2
LCS 680-346745/8-A		Solid	LCS			8270D_LL_PA	1	9/3/2014 16:39	218-01-9	Chrysene	216	ug/Kg		6.7	RL	3.3
LCS 680-346745/8-A		Solid	LCS			8270D_LL_PA	1	9/3/2014 16:39	53-70-3	Dibenz(a,h)ant	196	ug/Kg		6.7	RL	3.3
LCS 680-346745/8-A		Solid	LCS			8270D_LL_PA	1	9/3/2014 16:39	206-44-0	Fluoranthene	203	ug/Kg		6.7	RL	3.3
LCS 680-346745/8-A		Solid	LCS			8270D_LL_PA	1	9/3/2014 16:39	86-73-7	Fluorene	197	ug/Kg		6.7	RL	3.3
LCS 680-346745/8-A		Solid	LCS			8270D_LL_PA	1	9/3/2014 16:39	193-39-5	Indeno[1,2,3-c	189	ug/Kg		6.7	RL	3.3
LCS 680-346745/8-A		Solid	LCS			8270D_LL_PA	1	9/3/2014 16:39	91-20-3	Naphthalene	176	ug/Kg		6.7	RL	3.3
LCS 680-346745/8-A		Solid	LCS			8270D_LL_PA	1	9/3/2014 16:39	84-15-1	o-Terphenyl	41.4	ug/Kg				
LCS 680-346745/8-A		Solid	LCS			8270D_LL_PA	1	9/3/2014 16:39	85-01-8	Phenanthrene	186	ug/Kg		6.7	RL	2.4
LCS 680-346745/8-A		Solid	LCS			8270D_LL_PA	1	9/3/2014 16:39	129-00-0	Pyrene	196	ug/Kg		6.7	RL	3.3
MB 680-346745/7-A		Solid	MB			8270D_LL_PA	1	9/3/2014 16:16	90-12-0	1-Methylnaph	6.7	ug/Kg	U	6.7	RL	3.1
MB 680-346745/7-A		Solid	MB			8270D_LL_PA	1	9/3/2014 16:16	91-57-6	2-Methylnaph	6.7	ug/Kg	U	6.7	RL	3.3
MB 680-346745/7-A		Solid	MB			8270D_LL_PA	1	9/3/2014 16:16	83-32-9	Acenaphthene	6.7	ug/Kg	U	6.7	RL	3.3
MB 680-346745/7-A		Solid	MB			8270D_LL_PA	1	9/3/2014 16:16	208-96-8	Acenaphthyler	6.7	ug/Kg	U	6.7	RL	3.3
MB 680-346745/7-A		Solid	MB			8270D_LL_PA	1	9/3/2014 16:16	120-12-7	Anthracene	6.7	ug/Kg	U	6.7	RL	3.3
MB 680-346745/7-A		Solid	MB			8270D_LL_PA	1	9/3/2014 16:16	56-55-3	Benzo[a]anthr	6.7	ug/Kg	U	6.7	RL	3.3
MB 680-346745/7-A		Solid	MB			8270D_LL_PA	1	9/3/2014 16:16	50-32-8	Benzo[a]pyren	6.7	ug/Kg	U	6.7	RL	1.2
MB 680-346745/7-A		Solid	MB			8270D_LL_PA	1	9/3/2014 16:16	205-99-2	Benzo[b]fluora	6.7	ug/Kg	U	6.7	RL	3.3
MB 680-346745/7-A		Solid	MB			8270D_LL_PA	1	9/3/2014 16:16	191-24-2	Benzo[g,h,i]pe	6.7	ug/Kg	U	6.7	RL	3.3
MB 680-346745/7-A		Solid	MB			8270D_LL_PA	1	9/3/2014 16:16	207-08-9	Benzo[k]fluora	6.7	ug/Kg	U	6.7	RL	2
MB 680-346745/7-A		Solid	MB			8270D_LL_PA	1	9/3/2014 16:16	218-01-9	Chrysene	6.7	ug/Kg	U	6.7	RL	3.3
MB 680-346745/7-A		Solid	MB			8270D_LL_PA	1	9/3/2014 16:16	53-70-3	Dibenz(a,h)ant	6.7	ug/Kg	U	6.7	RL	3.3
MB 680-346745/7-A		Solid	MB			8270D_LL_PA	1	9/3/2014 16:16	206-44-0	Fluoranthene	6.7	ug/Kg	U	6.7	RL	3.3

Low Limit Type	Percent Recovery	Lower Recovery Limit	Upper Recovery Limit	RPD	RPD Limit	Receipt Lab	Project Description	SDG	Lab Job ID	COC ID	Sample Type Desc	Receive Date	Total Sample Amount	Total Sample Amount Units
MDL	-44	32	150	17	50		35th Avenue Superfund Site	680-104727-01	680-104727-1		Matrix Spike Duplicate	8/28/2014 9:30		
MDL	-127	38	148	20	50		35th Avenue Superfund Site	680-104727-01	680-104727-1		Matrix Spike Duplicate	8/28/2014 9:30		
MDL	-270	38	147	29	50		35th Avenue Superfund Site	680-104727-01	680-104727-1		Matrix Spike Duplicate	8/28/2014 9:30		
MDL	14	32	155	8	50		35th Avenue Superfund Site	680-104727-01	680-104727-1		Matrix Spike Duplicate	8/28/2014 9:30		
MDL	-611	36	147	22	50		35th Avenue Superfund Site	680-104727-01	680-104727-1		Matrix Spike Duplicate	8/28/2014 9:30		
MDL	7	36	138	21	50		35th Avenue Superfund Site	680-104727-01	680-104727-1		Matrix Spike Duplicate	8/28/2014 9:30		
MDL	-48	35	148	6	50		35th Avenue Superfund Site	680-104727-01	680-104727-1		Matrix Spike Duplicate	8/28/2014 9:30		
MDL	6	33	130	14	50		35th Avenue Superfund Site	680-104727-01	680-104727-1		Matrix Spike Duplicate	8/28/2014 9:30		
	0	36	131				35th Avenue Superfund Site	680-104727-01	680-104727-1		Matrix Spike Duplicate	8/28/2014 9:30		
MDL	-410	40	135	17	50		35th Avenue Superfund Site	680-104727-01	680-104727-1		Matrix Spike Duplicate	8/28/2014 9:30		
MDL	-424	38	145	42	50		35th Avenue Superfund Site	680-104727-01	680-104727-1		Matrix Spike Duplicate	8/28/2014 9:30		
MDL	56	36	130				35th Avenue Superfund Site	680-104727-01	680-104727-1		Lab Control Sample			
MDL	55	42	130				35th Avenue Superfund Site	680-104727-01	680-104727-1		Lab Control Sample			
MDL	56	33	130				35th Avenue Superfund Site	680-104727-01	680-104727-1		Lab Control Sample			
MDL	58	37	131				35th Avenue Superfund Site	680-104727-01	680-104727-1		Lab Control Sample			
MDL	62	42	146				35th Avenue Superfund Site	680-104727-01	680-104727-1		Lab Control Sample			
MDL	65	39	157				35th Avenue Superfund Site	680-104727-01	680-104727-1		Lab Control Sample			
MDL	64	41	158				35th Avenue Superfund Site	680-104727-01	680-104727-1		Lab Control Sample			
MDL	63	35	152				35th Avenue Superfund Site	680-104727-01	680-104727-1		Lab Control Sample			
MDL	57	32	150				35th Avenue Superfund Site	680-104727-01	680-104727-1		Lab Control Sample			
MDL	62	38	148				35th Avenue Superfund Site	680-104727-01	680-104727-1		Lab Control Sample			
MDL	65	38	147				35th Avenue Superfund Site	680-104727-01	680-104727-1		Lab Control Sample			
MDL	59	32	155				35th Avenue Superfund Site	680-104727-01	680-104727-1		Lab Control Sample			
MDL	61	36	147				35th Avenue Superfund Site	680-104727-01	680-104727-1		Lab Control Sample			
MDL	59	36	138				35th Avenue Superfund Site	680-104727-01	680-104727-1		Lab Control Sample			
MDL	57	35	148				35th Avenue Superfund Site	680-104727-01	680-104727-1		Lab Control Sample			
MDL	53	33	130				35th Avenue Superfund Site	680-104727-01	680-104727-1		Lab Control Sample			
	62	36	131				35th Avenue Superfund Site	680-104727-01	680-104727-1		Lab Control Sample			
MDL	56	40	135				35th Avenue Superfund Site	680-104727-01	680-104727-1		Lab Control Sample			
MDL	59	38	145				35th Avenue Superfund Site	680-104727-01	680-104727-1		Lab Control Sample			
MDL							35th Avenue Superfund Site	680-104727-01	680-104727-1		Method Blank			
MDL							35th Avenue Superfund Site	680-104727-01	680-104727-1		Method Blank			
MDL							35th Avenue Superfund Site	680-104727-01	680-104727-1		Method Blank			
MDL							35th Avenue Superfund Site	680-104727-01	680-104727-1		Method Blank			
MDL							35th Avenue Superfund Site	680-104727-01	680-104727-1		Method Blank			
MDL							35th Avenue Superfund Site	680-104727-01	680-104727-1		Method Blank			
MDL							35th Avenue Superfund Site	680-104727-01	680-104727-1		Method Blank			
MDL							35th Avenue Superfund Site	680-104727-01	680-104727-1		Method Blank			
MDL							35th Avenue Superfund Site	680-104727-01	680-104727-1		Method Blank			
MDL							35th Avenue Superfund Site	680-104727-01	680-104727-1		Method Blank			
MDL							35th Avenue Superfund Site	680-104727-01	680-104727-1		Method Blank			
MDL							35th Avenue Superfund Site	680-104727-01	680-104727-1		Method Blank			
MDL							35th Avenue Superfund Site	680-104727-01	680-104727-1		Method Blank			

Leach Batch	Leach Method	Leach Date	Prep Batch	Prep Method	Prep Date	Prep Type	Initial Amount	Initial Amount Unit	Final Amount	Final Amount Unit	Re-Analysis Type	Analysis Batch	Analysis Lab	Instrument ID	Column_Detector ID	Basis	Analyte Type	Result Status
			680-346745	3546	8/30/2014 10:36	Total/NA	30.01	g	1	mL		680-347120	TestAmerica Savannah	CMSK		DRY	Spike	PRIMARY
			680-346745	3546	8/30/2014 10:36	Total/NA	30.01	g	1	mL		680-347120	TestAmerica Savannah	CMSK		DRY	Spike	PRIMARY
			680-346745	3546	8/30/2014 10:36	Total/NA	30.01	g	1	mL		680-347120	TestAmerica Savannah	CMSK		DRY	Spike	PRIMARY
			680-346745	3546	8/30/2014 10:36	Total/NA	30.01	g	1	mL		680-347120	TestAmerica Savannah	CMSK		DRY	Spike	PRIMARY
			680-346745	3546	8/30/2014 10:36	Total/NA	30.01	g	1	mL		680-347120	TestAmerica Savannah	CMSK		DRY	Spike	PRIMARY
			680-346745	3546	8/30/2014 10:36	Total/NA	30.01	g	1	mL		680-347120	TestAmerica Savannah	CMSK		DRY	Spike	PRIMARY
			680-346745	3546	8/30/2014 10:36	Total/NA	30.01	g	1	mL		680-347120	TestAmerica Savannah	CMSK		DRY	Spike	PRIMARY
			680-346745	3546	8/30/2014 10:36	Total/NA	30.01	g	1	mL		680-347120	TestAmerica Savannah	CMSK		DRY	Spike	PRIMARY
			680-346745	3546	8/30/2014 10:36	Total/NA	30.01	g	1	mL		680-347120	TestAmerica Savannah	CMSK		DRY	Surrogate	PRIMARY
			680-346745	3546	8/30/2014 10:36	Total/NA	30.01	g	1	mL		680-347120	TestAmerica Savannah	CMSK		DRY	Spike	PRIMARY
			680-346745	3546	8/30/2014 10:36	Total/NA	30.01	g	1	mL		680-347120	TestAmerica Savannah	CMSK		DRY	Spike	PRIMARY
			680-346745	3546	8/30/2014 10:36	Total/NA	30.05	g	1	mL		680-347120	TestAmerica Savannah	CMSK		WET	Spike	PRIMARY
			680-346745	3546	8/30/2014 10:36	Total/NA	30.05	g	1	mL		680-347120	TestAmerica Savannah	CMSK		WET	Spike	PRIMARY
			680-346745	3546	8/30/2014 10:36	Total/NA	30.05	g	1	mL		680-347120	TestAmerica Savannah	CMSK		WET	Spike	PRIMARY
			680-346745	3546	8/30/2014 10:36	Total/NA	30.05	g	1	mL		680-347120	TestAmerica Savannah	CMSK		WET	Spike	PRIMARY
			680-346745	3546	8/30/2014 10:36	Total/NA	30.05	g	1	mL		680-347120	TestAmerica Savannah	CMSK		WET	Spike	PRIMARY
			680-346745	3546	8/30/2014 10:36	Total/NA	30.05	g	1	mL		680-347120	TestAmerica Savannah	CMSK		WET	Spike	PRIMARY
			680-346745	3546	8/30/2014 10:36	Total/NA	30.05	g	1	mL		680-347120	TestAmerica Savannah	CMSK		WET	Spike	PRIMARY
			680-346745	3546	8/30/2014 10:36	Total/NA	30.05	g	1	mL		680-347120	TestAmerica Savannah	CMSK		WET	Spike	PRIMARY
			680-346745	3546	8/30/2014 10:36	Total/NA	30.05	g	1	mL		680-347120	TestAmerica Savannah	CMSK		WET	Spike	PRIMARY
			680-346745	3546	8/30/2014 10:36	Total/NA	30.05	g	1	mL		680-347120	TestAmerica Savannah	CMSK		WET	Spike	PRIMARY
			680-346745	3546	8/30/2014 10:36	Total/NA	30.05	g	1	mL		680-347120	TestAmerica Savannah	CMSK		WET	Surrogate	PRIMARY
			680-346745	3546	8/30/2014 10:36	Total/NA	30.05	g	1	mL		680-347120	TestAmerica Savannah	CMSK		WET	Spike	PRIMARY
			680-346745	3546	8/30/2014 10:36	Total/NA	30.05	g	1	mL		680-347120	TestAmerica Savannah	CMSK		WET	Spike	PRIMARY
			680-346745	3546	8/30/2014 10:36	Total/NA	30.03	g	1	mL		680-347120	TestAmerica Savannah	CMSK		WET	Target	PRIMARY
			680-346745	3546	8/30/2014 10:36	Total/NA	30.03	g	1	mL		680-347120	TestAmerica Savannah	CMSK		WET	Target	PRIMARY
			680-346745	3546	8/30/2014 10:36	Total/NA	30.03	g	1	mL		680-347120	TestAmerica Savannah	CMSK		WET	Target	PRIMARY
			680-346745	3546	8/30/2014 10:36	Total/NA	30.03	g	1	mL		680-347120	TestAmerica Savannah	CMSK		WET	Target	PRIMARY
			680-346745	3546	8/30/2014 10:36	Total/NA	30.03	g	1	mL		680-347120	TestAmerica Savannah	CMSK		WET	Target	PRIMARY
			680-346745	3546	8/30/2014 10:36	Total/NA	30.03	g	1	mL		680-347120	TestAmerica Savannah	CMSK		WET	Target	PRIMARY
			680-346745	3546	8/30/2014 10:36	Total/NA	30.03	g	1	mL		680-347120	TestAmerica Savannah	CMSK		WET	Target	PRIMARY
			680-346745	3546	8/30/2014 10:36	Total/NA	30.03	g	1	mL		680-347120	TestAmerica Savannah	CMSK		WET	Target	PRIMARY
			680-346745	3546	8/30/2014 10:36	Total/NA	30.03	g	1	mL		680-347120	TestAmerica Savannah	CMSK		WET	Target	PRIMARY
			680-346745	3546	8/30/2014 10:36	Total/NA	30.03	g	1	mL		680-347120	TestAmerica Savannah	CMSK		WET	Target	PRIMARY
			680-346745	3546	8/30/2014 10:36	Total/NA	30.03	g	1	mL		680-347120	TestAmerica Savannah	CMSK		WET	Target	PRIMARY
			680-346745	3546	8/30/2014 10:36	Total/NA	30.03	g	1	mL		680-347120	TestAmerica Savannah	CMSK		WET	Target	PRIMARY

TPU	TPU Sigma	Decision Level	Retention Time	Spike Amount	Expected Amount	RER	RER Limit	Lower Breech Limit	Upper Breech Limit
			13.114	369	819				
			11.128	369	1130				
			10.111	369	1770				
			12.773	369	539				
			8.589	369	3070				
			6.245	369	569				
			12.737	369	809				
			3.912	369	569				
				73.8	73.8				
			7.285	369	2170				
			8.824	369	2370				
			4.682	333					
			4.582	333					
			5.699	333					
			5.511	333					
			7.344	333					
			10.076	333					
			11.421	333					
			11.104	333					
			13.114	333					
			11.128	333					
			10.117	333					
			12.767	333					
			8.589	333					
			6.251	333					
			12.743	333					
			3.912	333					
			7.708	66.6	66.6				
			7.291	333					
			8.824	333					

Lab Sample ID	Client Sample ID	Matrix	Sample Type	Collection Date	Percent Moisture	Analysis Method	Dilution Factor	Analysis Date	CAS	Analyte	Result	Unit	Flag	High Limit	High Limit Type	Low Limit
MB 680-346745/7-A		Solid	MB			8270D_LL_PA	1	9/3/2014 16:16	86-73-7	Fluorene	6.7	ug/Kg	U	6.7	RL	3.3
MB 680-346745/7-A		Solid	MB			8270D_LL_PA	1	9/3/2014 16:16	193-39-5	Indeno[1,2,3-c	6.7	ug/Kg	U	6.7	RL	3.3
MB 680-346745/7-A		Solid	MB			8270D_LL_PA	1	9/3/2014 16:16	91-20-3	Naphthalene	6.7	ug/Kg	U	6.7	RL	3.3
MB 680-346745/7-A		Solid	MB			8270D_LL_PA	1	9/3/2014 16:16	84-15-1	o-Terphenyl	45.5	ug/Kg				
MB 680-346745/7-A		Solid	MB			8270D_LL_PA	1	9/3/2014 16:16	85-01-8	Phenanthrene	6.7	ug/Kg	U	6.7	RL	2.4
MB 680-346745/7-A		Solid	MB			8270D_LL_PA	1	9/3/2014 16:16	129-00-0	Pyrene	6.7	ug/Kg	U	6.7	RL	3.3

Low Limit Type	Percent Recovery	Lower Recovery Limit	Upper Recovery Limit	RPD	RPD Limit	Receipt Lab	Project Description	SDG	Lab Job ID	COC ID	Sample Type Desc	Receive Date	Total Sample Amount	Total Sample Amount Units
MDL							35th Avenue Superfund Site	680-104727-01	680-104727-1		Method Blank			
MDL							35th Avenue Superfund Site	680-104727-01	680-104727-1		Method Blank			
MDL							35th Avenue Superfund Site	680-104727-01	680-104727-1		Method Blank			
	68	36	131				35th Avenue Superfund Site	680-104727-01	680-104727-1		Method Blank			
MDL							35th Avenue Superfund Site	680-104727-01	680-104727-1		Method Blank			
MDL							35th Avenue Superfund Site	680-104727-01	680-104727-1		Method Blank			

Leach Batch	Leach Method	Leach Date	Prep Batch	Prep Method	Prep Date	Prep Type	Initial Amount	Initial Amount Unit	Final Amount	Final Amount Unit	Re-Analysis Type	Analysis Batch	Analysis Lab	Instrument ID	Column_Detector ID	Basis	Analyte Type	Result Status
			680-346745	3546	8/30/2014 10:36	Total/NA	30.03	g	1	mL		680-347120	TestAmerica Savannah	CMSK		WET	Target	PRIMARY
			680-346745	3546	8/30/2014 10:36	Total/NA	30.03	g	1	mL		680-347120	TestAmerica Savannah	CMSK		WET	Target	PRIMARY
			680-346745	3546	8/30/2014 10:36	Total/NA	30.03	g	1	mL		680-347120	TestAmerica Savannah	CMSK		WET	Target	PRIMARY
			680-346745	3546	8/30/2014 10:36	Total/NA	30.03	g	1	mL		680-347120	TestAmerica Savannah	CMSK		WET	Surrogate	PRIMARY
			680-346745	3546	8/30/2014 10:36	Total/NA	30.03	g	1	mL		680-347120	TestAmerica Savannah	CMSK		WET	Target	PRIMARY
			680-346745	3546	8/30/2014 10:36	Total/NA	30.03	g	1	mL		680-347120	TestAmerica Savannah	CMSK		WET	Target	PRIMARY

TPU	TPU Sigma	Decision Level	Retention Time	Spike Amount	Expected Amount	RER	RER Limit	Lower Breech Limit	Upper Breech Limit
			7.708	66.6	66.6				

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

Invoice/Credit No.	68161583	**Invoice Date**	September 10, 2014
Terms	See Below	**Federal Tax ID**	23-2919996
Remit to	TestAmerica Laboratories, Inc. PO BOX 204290, Dallas, TX 75320-4290		

Bill to:	**Ship to:**
Oneida Total Integrated Enterprises LLC Attn: Accounts Payable 1033 N Mayfair Road Suite 200 Milwaukee, WI 53226	Oneida Total Integrated Enterprises LLC 1220 Kennestone Circle Suite 106 Marietta, GA 30060

P.O. Number	**W.O. Number**	**Contract Number**	**Work Ordered by**
MSA 8300 DO 27	EP-S5-10-10 (5000)		Ms. Limari F Krebs (678) 355-5550
Job Description	**Site Name**	**SDG Number**	**Invoice Contact**
See below		680-104727-01	Accounts Payable

Job No.	**Job Description** / **Method/Test Description**	**Receipt Date**	**Quantity**	**Unit Price**	**Amount**
J104727-1	**35th Avenue Superfund Site**	**08/28/2014**			
	6010C - As,Pb,Fe,Al		10.00	48.00	480.00
	(Soil) 8270D_LL_PAH - PAHs		2.00	65.00	130.00

Project Number	**Client Number**	**Project Manager**	**Subtotal**	**$610.00**
68010788	368331	Lisa Harvey		
Latest Sample Receipt Date	**Latest Report Date**	**Phone Number**	**Total**	**$610.00**
08/28/2014	09/10/2014	(912) 354-7858 e.3221		

For proper credit, please include invoice number on all remittance.

TestAmerica Savannah - 5102 LaRoche Avenue, Savannah, GA 31404

This invoice falls under TestAmerica Laboratories Inc. Standard T&C's of Net 30 Days unless superseded by another valid contract vehicle in place at the time these services were rendered.