Data Validation Checklist
Inorganic Analyses

Project:	35TH Avenue Superfund Site	Project No:	15263756.20000
Laboratory:	TestAmerica – Savannah, GA	Job ID.:	680-104968-1
Method:	SW-846 6010C (Aluminum, Arsenic, Iron, and Lead)	Associated Samples:	Refer to **Attachment A** (Sample Summary)
Matrix:	Soil	Date(s) Collected:	09/03/2014-09/04/2014
Reviewer:	Karen M Trujillo, URS Group, Inc.	Date:	02/05/2015
Concurrence[1]:	Martha Meyers-Lee, URS Group, Inc.	Date:	02/08/2015

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)?	✓				

[1] Independent technical reviewer

Data Validation Checklist (Continued)

Review Questions	Yes	No	N/A	Samples (Analytes) Affected/Comments	Flag
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?		✓			
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?	✓			• CV0755A-CSD6 is a field duplicate of CV0755A-CS6 • CV0755B-CSD12, which was analyzed and reported under 680-104968-2, is a field duplicate of CV0755B-CS12	
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	✓				

Data Validation Checklist (Continued)

Review Questions	Yes	No	N/A	Samples (Analytes) Affected/Comments	Flag
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): ▪ 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	✓				

Data Validation Checklist (Continued)

Review Questions	Yes	No	N/A	Samples (Analytes) Affected/Comments	Flag
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 347754: 680-104968-4 (CV0965C-CS24), 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)?	✓			680-104968-4 (CV0965C-CS24)	
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; 7471A: 80-120%R MS/MSD; 7196A: 85-115%R MS), laboratory (MS, MSD, and PDS: 75-125%R for 6010C/7471 (as applicable) and 80-120%R for 7196), 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 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. 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.	✓				

Data Validation Checklist (Continued)

Review Questions	Yes	No	N/A	Samples (Analytes) Affected/Comments	Flag
28. Was a serial dilution conducted for 6010C/EPA 200.7?	✓				
29. Is the serial dilution parent sample a project-specific sample?	✓			680-104968.4 (CV0965C-CS24)	
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

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: 680-104968-1
Sdg Number: 680-104968-01

Lab Sample ID	Client Sample ID	Client Matrix	Date/Time Sampled	Date/Time Received
680-104968-1	CV0965C-CS6	Solid	09/03/2014 1500	09/05/2014 1005
680-104968-2	CV0965C-CS12	Solid	09/03/2014 1510	09/05/2014 1005
680-104968-3	CV0965C-CS18	Solid	09/03/2014 1520	09/05/2014 1005
680-104968-4	CV0965C-CS24	Solid	09/03/2014 1530	09/05/2014 1005
680-104968-4MS	CV0965C-CS24	Solid	09/03/2014 1530	09/05/2014 1005
680-104968-4MSD	CV0965C-CS24	Solid	09/03/2014 1530	09/05/2014 1005
680-104968-5	CV0755A-CS6	Solid	09/04/2014 0845	09/05/2014 1005
680-104968-6	CV0755A-CSD6	Solid	09/04/2014 0850	09/05/2014 1005
680-104968-7	CV0755A-CS12	Solid	09/04/2014 0855	09/05/2014 1005
680-104968-8	CV0755A-CS18	Solid	09/04/2014 0905	09/05/2014 1005
680-104968-9	CV0755A-CS24	Solid	09/04/2014 0915	09/05/2014 1005
680-104968-10	CV0755B-CS4	Solid	09/04/2014 0930	09/05/2014 1005
680-104968-11	CV0755B-CS6	Solid	09/04/2014 0940	09/05/2014 1005
680-104968-12	CV0755B-CS12	Solid	09/04/2014 0950	09/05/2014 1005

ATTACHMENT B

FIELD DUPLICATE EVALUATION

Evaluation of Field Duplicate Results **Attachment C**

Analyte	CV0755A-CS6 680-104968-5		RL	CV0755A-CSD6 680-104968-6		RL	Unit	Avg. RLx5	RPD	Absolute difference	2x Avg RL	Action
Aluminum	1600		21	1600		19	mg/Kg	100	0	NA	NA	None, RPD ≤ 50%
Arsenic	42		2.1	39		1.90	mg/Kg	10	7	NA	NA	None, RPD ≤ 50%
Iron	65000		21	67000		19	mg/Kg	100	3	NA	NA	None, RPD ≤ 50%
Lead	3600		21	4200		9.7	mg/Kg	76.75	15	NA	NA	None, RPD ≤ 50%

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

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

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

Evaluation of Field Duplicate Results

Attachment B

Analyte	CV0755B-CS12 680-104968-12	RL	CV0755B-CSD12 680-104968-13	RL	Unit	Avg. RLx5	RPD	Absolute difference	2x Avg RL	Action
Aluminum	15000	20	13000	19	mg/Kg	98	**14**	NA	NA	None, RPD ≤ 50%
Arsenic	29	2.0	22	1.9	mg/Kg	9.8	**27**	NA	NA	None, RPD ≤ 50%
Iron	76000	20	51000	19	mg/Kg	98	**39**	NA	NA	None, RPD ≤ 50%
Lead	140	9.8	94	0.97	mg/Kg	26.9	**39**	NA	NA	None, RPD ≤ 50%

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

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

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

ATTACHMENT C

CASE NARRATIVE

CASE NARRATIVE
Client: Oneida Total Integrated Enterprises LLC
Project: 35th Avenue Superfund Site
Report Number: 680-104968-1

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.

RECEIPT

The samples were received on 09/05/2014; the samples arrived in good condition, properly preserved and on ice. The temperature of the coolers at receipt was 1.8 C.

SEMIVOLATILE ORGANIC COMPOUNDS (GC/MS) LOW LEVEL PAH

Samples CV0965C-CS6 (680-104968-1), CV0965C-CS12 (680-104968-2), CV0965C-CS18 (680-104968-3), CV0965C-CS24 (680-104968-4), CV0755A-CS6 (680-104968-5), CV0755A-CSD6 (680-104968-6), CV0755A-CS12 (680-104968-7), CV0755A-CS18 (680-104968-8), CV0755A-CS24 (680-104968-9), CV0755B-CS6 (680-104968-11) and CV0755B-CS12 (680-104968-12) were analyzed for Semivolatile Organic Compounds (GC/MS) Low level PAH in accordance with EPA SW846 Method 8270D.

Method(s) 8270D_LL_PAH: Manual integration was performed on the following sample(s): CV0755A-CS12 (680-104968-7), CV0755A-CS6 (680-104968-5), CV0755A-CSD6 (680-104968-6), CV0755B-CS18 (680-104968-14), CV0965C-CS12 (680-104968-2), CV0965C-CS18 (680-104968-3), CV0965C-CS24 (680-104968-4), CV0965C-CS6 (680-104968-1).

Method(s) 8270D_LL_PAH: Many samples were diluted due to the nature of the sample matrix. As such, surrogate recoveries are below the calibration range or are not reported, and elevated reporting limits (RLs) are provided.

Samples CV0965C-CS6 (680-104968-1)[20X], CV0965C-CS12 (680-104968-2)[20X], CV0965C-CS18 (680-104968-3)[10X], CV0965C-CS24 (680-104968-4)[10X], CV0755A-CS6 (680-104968-5)[20X], CV0755A-CSD6 (680-104968-6)[20X], CV0755A-CS12 (680-104968-7)[10X], CV0755A-CS18 (680-104968-8)[10X], CV0755A-CS24 (680-104968-9)[10X], CV0755B-CS6 (680-104968-11)[20X] and CV0755B-CS12 (680-104968-12)[20X] required dilution prior to analysis. The reporting limits have been adjusted accordingly.

METALS (ICP)

Samples CV0965C-CS6 (680-104968-1), CV0965C-CS12 (680-104968-2), CV0965C-CS18 (680-104968-3), CV0965C-CS24 (680-104968-4), CV0755A-CS6 (680-104968-5), CV0755A-CSD6 (680-104968-6), CV0755A-CS12 (680-104968-7), CV0755A-CS18 (680-104968-8), CV0755A-CS24 (680-104968-9), CV0755B-CS4 (680-104968-10), CV0755B-CS6 (680-104968-11) and CV0755B-CS12 (680-104968-12) were analyzed for Metals (ICP) in accordance with EPA SW-846 Method 6010C.

Iron and Lead recovery is outside criteria low for the MS and MSD of sample CV0965C-CS24 (680-104968-4) in batch 680-348494. Aluminum recovery is outside criteria high.

Refer to the QC report for details.

Samples CV0965C-CS18 (680-104968-3)[10X], CV0755A-CS6 (680-104968-5)[10X], CV0755A-CSD6 (680-104968-6)[10X] and CV0755B-CS12 (680-104968-12)[10X] required dilution prior to analysis. The reporting limits have been adjusted accordingly.

PERCENT SOLIDS/MOISTURE

Samples CV0965C-CS6 (680-104968-1), CV0965C-CS12 (680-104968-2), CV0965C-CS18 (680-104968-3), CV0965C-CS24 (680-104968-4), CV0755A-CS6 (680-104968-5), CV0755A-CSD6 (680-104968-6), CV0755A-CS12 (680-104968-7), CV0755A-CS18 (680-104968-8), CV0755A-CS24 (680-104968-9), CV0755B-CS4 (680-104968-10), CV0755B-CS6 (680-104968-11) and CV0755B-CS12 (680-104968-12) 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: CV0965C-CS6

Lab Sample ID: 680-104968-1

Lab Name: TestAmerica Savannah

Job No.: 680-104968-1

SDG ID.: 680-104968-01

Matrix: Solid

Date Sampled: 09/03/2014 15:00

Reporting Basis: DRY

Date Received: 09/05/2014 10:05

% Solids: 91.6

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7429-90-5	Aluminum	14000	21	11	mg/Kg			1	6010C
7440-38-2	Arsenic	30	2.1	0.63	mg/Kg			1	6010C
7439-89-6	Iron	48000	21	7.4	mg/Kg			1	6010C
7439-92-1	Lead	440	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: CV0965C-CS12

Lab Sample ID: 680-104968-2

Lab Name: TestAmerica Savannah

Job No.: 680-104968-1

SDG ID.: 680-104968-01

Matrix: Solid

Date Sampled: 09/03/2014 15:10

Reporting Basis: DRY

Date Received: 09/05/2014 10:05

% Solids: 89.7

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	29	2.2	0.64	mg/Kg			1	6010C
7439-89-6	Iron	44000	22	7.7	mg/Kg			1	6010C
7439-92-1	Lead	410	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: CV0965C-CS18
Lab Sample ID: 680-104968-3
Lab Name: TestAmerica Savannah
Job No.: 680-104968-1
SDG ID.: 680-104968-01
Matrix: Solid
Date Sampled: 09/03/2014 15:20
Reporting Basis: DRY
Date Received: 09/05/2014 10:05
% Solids: 89.0

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	22	2.1	0.63	mg/Kg			1	6010C
7439-89-6	Iron	50000	21	7.4	mg/Kg			1	6010C
7439-92-1	Lead	220	11	5.6	mg/Kg			10	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: CV0965C-CS24

Lab Sample ID: 680-104968-4

Lab Name: TestAmerica Savannah

Job No.: 680-104968-1

SDG ID.: 680-104968-01

Matrix: Solid

Date Sampled: 09/03/2014 15:30

Reporting Basis: DRY

Date Received: 09/05/2014 10:05

% Solids: 88.3

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7429-90-5	Aluminum	14000	23	11	mg/Kg			1	6010C
7440-38-2	Arsenic	20	2.3	0.67	mg/Kg			1	6010C
7439-89-6	Iron	65000	23	7.9	mg/Kg			1	6010C
7439-92-1	Lead	65	1.1	0.60	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: CV0755A-CSD6
Lab Sample ID: 680-104968-6
Lab Name: TestAmerica Savannah
Job No.: 680-104968-1
SDG ID.: 680-104968-01
Matrix: Solid
Date Sampled: 09/04/2014 08:50
Reporting Basis: DRY
Date Received: 09/05/2014 10:05
% Solids: 90.1

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7429-90-5	Aluminum	16000	19	9.7	mg/Kg			1	6010C
7440-38-2	Arsenic	39	1.9	0.57	mg/Kg			1	6010C
7439-89-6	Iron	67000	19	6.8	mg/Kg			1	6010C
7439-92-1	Lead	4200	9.7	5.2	mg/Kg			10	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: CV0755A-CS6

Lab Sample ID: 680-104968-5

Lab Name: TestAmerica Savannah

Job No.: 680-104968-1

SDG ID.: 680-104968-01

Matrix: Solid

Date Sampled: 09/04/2014 08:45

Reporting Basis: DRY

Date Received: 09/05/2014 10:05

% Solids: 90.7

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7429-90-5	Aluminum	16000	21	11	mg/Kg			1	6010C
7440-38-2	Arsenic	42	2.1	0.63	mg/Kg			1	6010C
7439-89-6	Iron	65000	21	7.5	mg/Kg			1	6010C
7439-92-1	Lead	3600	11	5.7	mg/Kg			10	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: CV0755A-CS12
Lab Sample ID: 680-104968-7
Lab Name: TestAmerica Savannah
Job No.: 680-104968-1
SDG ID.: 680-104968-01
Matrix: Solid
Date Sampled: 09/04/2014 08:55
Reporting Basis: DRY
Date Received: 09/05/2014 10:05
% Solids: 93.9

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7429-90-5	Aluminum	15000	20	10	mg/Kg			1	6010C
7440-38-2	Arsenic	28	2.0	0.60	mg/Kg			1	6010C
7439-89-6	Iron	71000	20	7.1	mg/Kg			1	6010C
7439-92-1	Lead	130	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: CV0755A-CS18

Lab Sample ID: 680-104968-8

Lab Name: TestAmerica Savannah

Job No.: 680-104968-1

SDG ID.: 680-104968-01

Matrix: Solid

Date Sampled: 09/04/2014 09:05

Reporting Basis: DRY

Date Received: 09/05/2014 10:05

% Solids: 80.1

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7429-90-5	Aluminum	22000	23	11	mg/Kg			1	6010C
7440-38-2	Arsenic	28	2.3	0.66	mg/Kg			1	6010C
7439-89-6	Iron	86000	23	7.9	mg/Kg			1	6010C
7439-92-1	Lead	79	1.1	0.60	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: CV0755A-CS24
Lab Sample ID: 680-104968-9
Lab Name: TestAmerica Savannah
Job No.: 680-104968-1
SDG ID.: 680-104968-01
Matrix: Solid
Date Sampled: 09/04/2014 09:15
Reporting Basis: DRY
Date Received: 09/05/2014 10:05
% Solids: 88.4

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7429-90-5	Aluminum	18000	22	11	mg/Kg			1	6010C
7440-38-2	Arsenic	23	2.2	0.65	mg/Kg			1	6010C
7439-89-6	Iron	75000	22	7.8	mg/Kg			1	6010C
7439-92-1	Lead	84	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: CV0755B-CS4

Lab Sample ID: 680-104968-10

Lab Name: TestAmerica Savannah

Job No.: 680-104968-1

SDG ID.: 680-104968-01

Matrix: Solid

Date Sampled: 09/04/2014 09:30

Reporting Basis: DRY

Date Received: 09/05/2014 10:05

% Solids: 88.6

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7429-90-5	Aluminum	13000	19	9.5	mg/Kg			1	6010C
7440-38-2	Arsenic	27	1.9	0.56	mg/Kg			1	6010C
7439-89-6	Iron	42000	19	6.6	mg/Kg			1	6010C
7439-92-1	Lead	340	0.95	0.50	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: CV0755B-CS6

Lab Sample ID: 680-104968-11

Lab Name: TestAmerica Savannah

Job No.: 680-104968-1

SDG ID.: 680-104968-01

Matrix: Solid

Date Sampled: 09/04/2014 09:40

Reporting Basis: DRY

Date Received: 09/05/2014 10:05

% Solids: 89.3

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7429-90-5	Aluminum	13000	19	9.4	mg/Kg			1	6010C
7440-38-2	Arsenic	28	1.9	0.56	mg/Kg			1	6010C
7439-89-6	Iron	47000	19	6.6	mg/Kg			1	6010C
7439-92-1	Lead	410	0.94	0.50	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: CV0755B-CS12

Lab Sample ID: 680-104968-12

Lab Name: TestAmerica Savannah

Job No.: 680-104968-1

SDG ID.: 680-104968-01

Matrix: Solid

Date Sampled: 09/04/2014 09:50

Reporting Basis: DRY

Date Received: 09/05/2014 10:05

% Solids: 91.9

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7429-90-5	Aluminum	15000	20	9.8	mg/Kg			1	6010C
7440-38-2	Arsenic	29	2.0	0.58	mg/Kg			1	6010C
7439-89-6	Iron	76000	20	6.9	mg/Kg			1	6010C
7439-92-1	Lead	140	9.8	5.2	mg/Kg			10	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.:	680-104968-1
Method:	SW-846 8270D Low-Level (PAH)	Associated Samples:	Refer to **Attachment A** (Sample Summary)
Matrix:	Soil	Date(s) Collected:	09/03/2014-09/04/2014
Reviewer:	Karen M Trujillo, URS Group, Inc.	Date:	02/04/2015
Concurrence[1]:	Martha Meyers-Lee, URS Group, Inc.	Date:	02/08/2015

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. Were target analytes detected in equipment/rinsate blanks?			✓		

[1] Independent technical reviewer

Data Validation Checklist (Continued)

Review Questions	Yes	No	N/A	Samples (Analytes) Affected/Comments	Flag
12. 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.	
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?	✓			• CV0755A-CSD6 is a field duplicate of CV0755A-CS6 • CV0755B-CSD12, which was analyzed and reported under 680-104968-2, is a field duplicate of CV0755B-CS12	
15. Was precision deemed acceptable as defined by the project plans?		✓		Refer to **Attachment B** (Field Duplicate Evaluation)	J
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 • CCV: 09/09/14 @ 09:53	
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)): ○ If %RSD>20 (>50% for poor performers), or r <0.995,	✓				

Data Validation Checklist (Continued)

Review Questions	Yes	No	N/A	Samples (Analytes) Affected/Comments	Flag
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 (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	✓				
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 347686: 680-104968-4 (CV0965C-CS24), MS/MSD • Prep Batch 347686: 680-104968-14 (Batch sample), 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	✓				

Data Validation Checklist (Continued)

Review Questions	Yes	No	N/A	Samples (Analytes) Affected/Comments	Flag
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	✓				
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 680-104968-1 through -9, -11, and -12. 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 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	✓				

Data Validation Checklist (Continued)

Review Questions	Yes	No	N/A	Samples (Analytes) Affected/Comments	Flag
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)	
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: 680-104968-1
Sdg Number: 680-104968-01

Lab Sample ID	Client Sample ID	Client Matrix	Date/Time Sampled	Date/Time Received
680-104968-1	CV0965C-CS6	Solid	09/03/2014 1500	09/05/2014 1005
680-104968-2	CV0965C-CS12	Solid	09/03/2014 1510	09/05/2014 1005
680-104968-3	CV0965C-CS18	Solid	09/03/2014 1520	09/05/2014 1005
680-104968-4	CV0965C-CS24	Solid	09/03/2014 1530	09/05/2014 1005
680-104968-4MS	CV0965C-CS24	Solid	09/03/2014 1530	09/05/2014 1005
680-104968-4MSD	CV0965C-CS24	Solid	09/03/2014 1530	09/05/2014 1005
680-104968-5	CV0755A-CS6	Solid	09/04/2014 0845	09/05/2014 1005
680-104968-6	CV0755A-CSD6	Solid	09/04/2014 0850	09/05/2014 1005
680-104968-7	CV0755A-CS12	Solid	09/04/2014 0855	09/05/2014 1005
680-104968-8	CV0755A-CS18	Solid	09/04/2014 0905	09/05/2014 1005
680-104968-9	CV0755A-CS24	Solid	09/04/2014 0915	09/05/2014 1005
680-104968-10	CV0755B-CS4	Solid	09/04/2014 0930	09/05/2014 1005
680-104968-11	CV0755B-CS6	Solid	09/04/2014 0940	09/05/2014 1005
680-104968-12	CV0755B-CS12	Solid	09/04/2014 0950	09/05/2014 1005

ATTACHMENT B

FIELD DUPLICATE EVALUATION

Evaluation of Field Duplicate Results **Attachment B**

Analyte	CV0755A-CS6 680-104968-5	RL	CV0755A-CSD6 680-104968-6	RL	Unit	Avg. RLx5	RPD	Absolute difference	2x Avg RL	Action
1-Methylnaphthalene		150	110 J	150	µg/kg	750	NA	**110**	300	None, absolute difference ≤ 2x Avg RL
2-Methylnaphthalene		150	110 J	150	µg/kg	750	NA	**110**	300	None, absolute difference ≤ 2x Avg RL
Benzo(a)anthracene	89 J	150	150	150	µg/kg	750	NA	**61**	300	None, absolute difference ≤ 2x Avg RL
Benzo(a)pyrene	77 J	150	140 J	150	µg/kg	750	NA	**63**	300	None, absolute difference ≤ 2x Avg RL
Benzo(b)fluoranthene	160	150	310	150	µg/kg	750	NA	**150**	300	None, absolute difference ≤ 2x Avg RL
Benzo(g,h,i)perylene		150	86 J	150	µg/kg	750	NA	**86**	300	None, absolute difference ≤ 2x Avg RL
Benzo(k)fluoranthene	48 J	150	120 J	150	µg/kg	750	NA	**72**	300	None, absolute difference ≤ 2x Avg RL
Chrysene	170	150	330	150	µg/kg	750	NA	**160**	300	None, absolute difference ≤ 2x Avg RL
Fluoranthene	140 J	150	530	150	µg/kg	750	NA	**390**	300	**J/UJ-flag, absolute difference > 2x Avg RL**
Phenanthrene	130 J	150	430	150	µg/kg	750	NA	**300**	300	None, absolute difference ≤ 2x Avg RL
Pyrene	110 J	150	340	150	µg/kg	750	NA	**230**	300	None, absolute difference ≤ 2x Avg RL

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

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

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

Evaluation of Field Duplicate Results **Attachment B**

Analyte	CV0755B-CS12 680-104968-12	RL	CV0755B-CSD12 680-104968-13	RL	Unit	Avg. RLx5	RPD	Absolute difference	2x Avg RL	Action
Benzo[a]pyrene	48 J	150	41 J	150	µg/kg	750	NA	**7**	300	None, absolute difference ≤ 2x Avg RL
Benzo[b]fluoranthene		150	71 J	150	µg/kg	750	NA	**71**	300	None, absolute difference ≤ 2x Avg RL
Chrysene	73 J	150	81 J	150	µg/kg	750	NA	**8**	300	None, absolute difference ≤ 2x Avg RL
Phenanthrene	74 J	150	69 J	150	µg/kg	750	NA	**5**	300	None, absolute difference ≤ 2x Avg RL

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

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

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

ATTACHMENT C

CASE NARRATIVE

CASE NARRATIVE
Client: Oneida Total Integrated Enterprises LLC
Project: 35th Avenue Superfund Site
Report Number: 680-104968-1

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.

RECEIPT

The samples were received on 09/05/2014; the samples arrived in good condition, properly preserved and on ice. The temperature of the coolers at receipt was 1.8 C.

SEMIVOLATILE ORGANIC COMPOUNDS (GC/MS) LOW LEVEL PAH

Samples CV0965C-CS6 (680-104968-1), CV0965C-CS12 (680-104968-2), CV0965C-CS18 (680-104968-3), CV0965C-CS24 (680-104968-4), CV0755A-CS6 (680-104968-5), CV0755A-CSD6 (680-104968-6), CV0755A-CS12 (680-104968-7), CV0755A-CS18 (680-104968-8), CV0755A-CS24 (680-104968-9), CV0755B-CS6 (680-104968-11) and CV0755B-CS12 (680-104968-12) were analyzed for Semivolatile Organic Compounds (GC/MS) Low level PAH in accordance with EPA SW846 Method 8270D.

Method(s) 8270D_LL_PAH: Manual integration was performed on the following sample(s): CV0755A-CS12 (680-104968-7), CV0755A-CS6 (680-104968-5), CV0755A-CSD6 (680-104968-6), CV0755B-CS18 (680-104968-14), CV0965C-CS12 (680-104968-2), CV0965C-CS18 (680-104968-3), CV0965C-CS24 (680-104968-4), CV0965C-CS6 (680-104968-1).

Method(s) 8270D_LL_PAH: Many samples were diluted due to the nature of the sample matrix. As such, surrogate recoveries are below the calibration range or are not reported, and elevated reporting limits (RLs) are provided.

Samples CV0965C-CS6 (680-104968-1)[20X], CV0965C-CS12 (680-104968-2)[20X], CV0965C-CS18 (680-104968-3)[10X], CV0965C-CS24 (680-104968-4)[10X], CV0755A-CS6 (680-104968-5)[20X], CV0755A-CSD6 (680-104968-6)[20X], CV0755A-CS12 (680-104968-7)[10X], CV0755A-CS18 (680-104968-8)[10X], CV0755A-CS24 (680-104968-9)[10X], CV0755B-CS6 (680-104968-11)[20X] and CV0755B-CS12 (680-104968-12)[20X] required dilution prior to analysis. The reporting limits have been adjusted accordingly.

METALS (ICP)

Samples CV0965C-CS6 (680-104968-1), CV0965C-CS12 (680-104968-2), CV0965C-CS18 (680-104968-3), CV0965C-CS24 (680-104968-4), CV0755A-CS6 (680-104968-5), CV0755A-CSD6 (680-104968-6), CV0755A-CS12 (680-104968-7), CV0755A-CS18 (680-104968-8), CV0755A-CS24 (680-104968-9), CV0755B-CS4 (680-104968-10), CV0755B-CS6 (680-104968-11) and CV0755B-CS12 (680-104968-12) were analyzed for Metals (ICP) in accordance with EPA SW-846 Method 6010C.

Iron and Lead recovery is outside criteria low for the MS and MSD of sample CV0965C-CS24 (680-104968-4) in batch 680-348494. Aluminum recovery is outside criteria high.

Refer to the QC report for details.

Samples CV0965C-CS18 (680-104968-3)[10X], CV0755A-CS6 (680-104968-5)[10X], CV0755A-CSD6 (680-104968-6)[10X] and CV0755B-CS12 (680-104968-12)[10X] required dilution prior to analysis. The reporting limits have been adjusted accordingly.

PERCENT SOLIDS/MOISTURE

Samples CV0965C-CS6 (680-104968-1), CV0965C-CS12 (680-104968-2), CV0965C-CS18 (680-104968-3), CV0965C-CS24 (680-104968-4), CV0755A-CS6 (680-104968-5), CV0755A-CSD6 (680-104968-6), CV0755A-CS12 (680-104968-7), CV0755A-CS18 (680-104968-8), CV0755A-CS24 (680-104968-9), CV0755B-CS4 (680-104968-10), CV0755B-CS6 (680-104968-11) and CV0755B-CS12 (680-104968-12) 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.: 680-104968-1

SDG No.: 680-104968-01

Client Sample ID: CV0965C-CS6 | Lab Sample ID: 680-104968-1

Matrix: Solid | Lab File ID: 1KI0912.D

Analysis Method: 8270D_LL_PAH | Date Collected: 09/03/2014 15:00

Extract. Method: 3546 | Date Extracted: 09/06/2014 12:38

Sample wt/vol: 30.05(g) | Date Analyzed: 09/09/2014 13:44

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

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

% Moisture: 8.4 | GPC Cleanup:(Y/N) N

Analysis Batch No.: 347967 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
83-32-9	Acenaphthene	150	U	150	72
208-96-8	Acenaphthylene	150	U	150	72
120-12-7	Anthracene	120	J	150	72
56-55-3	Benzo[a]anthracene	660		150	72
50-32-8	Benzo[a]pyrene	580		150	26
205-99-2	Benzo[b]fluoranthene	1000		150	72
191-24-2	Benzo[g,h,i]perylene	330		150	72
207-08-9	Benzo[k]fluoranthene	370		150	44
218-01-9	Chrysene	940		150	72
53-70-3	Dibenz(a,h)anthracene	120	J	150	72
206-44-0	Fluoranthene	1600		150	72
86-73-7	Fluorene	150	U	150	72
193-39-5	Indeno[1,2,3-cd]pyrene	300		150	72
90-12-0	1-Methylnaphthalene	180		150	68
91-57-6	2-Methylnaphthalene	190		150	72
91-20-3	Naphthalene	170		150	72
85-01-8	Phenanthrene	1200		150	52
129-00-0	Pyrene	1100		150	72

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.: 680-104968-1
SDG No.: 680-104968-01
Client Sample ID: CV0965C-CS12
Lab Sample ID: 680-104968-2
Matrix: Solid
Lab File ID: 1KI0913.D
Analysis Method: 8270D_LL_PAH
Date Collected: 09/03/2014 15:10
Extract. Method: 3546
Date Extracted: 09/06/2014 12:38
Sample wt/vol: 30.01(g)
Date Analyzed: 09/09/2014 14:07
Con. Extract Vol.: 1(mL)
Dilution Factor: 20
Injection Volume: 2(uL)
Level: (low/med) Low
% Moisture: 10.3
GPC Cleanup:(Y/N) N
Analysis Batch No.: 347967
Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
83-32-9	Acenaphthene	150	U	150	74
208-96-8	Acenaphthylene	150	U	150	74
120-12-7	Anthracene	150	U	150	74
56-55-3	Benzo[a]anthracene	240		150	74
50-32-8	Benzo[a]pyrene	190		150	27
205-99-2	Benzo[b]fluoranthene	320		150	74
191-24-2	Benzo[g,h,i]perylene	120	J	150	74
207-08-9	Benzo[k]fluoranthene	120	J	150	45
218-01-9	Chrysene	360		150	74
53-70-3	Dibenz(a,h)anthracene	150	U	150	74
206-44-0	Fluoranthene	460		150	74
86-73-7	Fluorene	150	U	150	74
193-39-5	Indeno[1,2,3-cd]pyrene	92	J	150	74
90-12-0	1-Methylnaphthalene	180		150	69
91-57-6	2-Methylnaphthalene	180		150	74
91-20-3	Naphthalene	130	J	150	74
85-01-8	Phenanthrene	340		150	54
129-00-0	Pyrene	360		150	74

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.: 680-104968-1
SDG No.: 680-104968-01
Client Sample ID: CV0965C-CS18
Lab Sample ID: 680-104968-3
Matrix: Solid
Lab File ID: 1KI0914.D
Analysis Method: 8270D_LL_PAH
Date Collected: 09/03/2014 15:20
Extract. Method: 3546
Date Extracted: 09/06/2014 12:38
Sample wt/vol: 30.03(g)
Date Analyzed: 09/09/2014 14:30
Con. Extract Vol.: 1(mL)
Dilution Factor: 10
Injection Volume: 2(uL)
Level: (low/med) Low
% Moisture: 11.0
GPC Cleanup:(Y/N) N
Analysis Batch No.: 347967
Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
83-32-9	Acenaphthene	75	U	75	37
208-96-8	Acenaphthylene	75	U	75	37
120-12-7	Anthracene	75	U	75	37
56-55-3	Benzo[a]anthracene	94		75	37
50-32-8	Benzo[a]pyrene	88		75	13
205-99-2	Benzo[b]fluoranthene	180		75	37
191-24-2	Benzo[g,h,i]perylene	63	J	75	37
207-08-9	Benzo[k]fluoranthene	52	J	75	22
218-01-9	Chrysene	130		75	37
53-70-3	Dibenz(a,h)anthracene	75	U	75	37
206-44-0	Fluoranthene	200		75	37
86-73-7	Fluorene	75	U	75	37
193-39-5	Indeno[1,2,3-cd]pyrene	55	J	75	37
90-12-0	1-Methylnaphthalene	75	U	75	35
91-57-6	2-Methylnaphthalene	75	U	75	37
91-20-3	Naphthalene	75	U	75	37
85-01-8	Phenanthrene	140		75	27
129-00-0	Pyrene	160		75	37

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.: 680-104968-1
SDG No.: 680-104968-01
Client Sample ID: CV0965C-CS24
Lab Sample ID: 680-104968-4
Matrix: Solid
Lab File ID: 1KI0915.D
Analysis Method: 8270D_LL_PAH
Date Collected: 09/03/2014 15:30
Extract. Method: 3546
Date Extracted: 09/06/2014 12:38
Sample wt/vol: 30.03(g)
Date Analyzed: 09/09/2014 14:53
Con. Extract Vol.: 1(mL)
Dilution Factor: 10
Injection Volume: 2(uL)
Level: (low/med) Low
% Moisture: 11.7
GPC Cleanup:(Y/N) N
Analysis Batch No.: 347967
Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
83-32-9	Acenaphthene	76	U	76	37
208-96-8	Acenaphthylene	76	U	76	37
120-12-7	Anthracene	76	U	76	37
56-55-3	Benzo[a]anthracene	76	U	76	37
50-32-8	Benzo[a]pyrene	33	J	76	14
205-99-2	Benzo[b]fluoranthene	51	J	76	37
191-24-2	Benzo[g,h,i]perylene	76	U	76	37
207-08-9	Benzo[k]fluoranthene	23	J	76	23
218-01-9	Chrysene	50	J	76	37
53-70-3	Dibenz(a,h)anthracene	76	U	76	37
206-44-0	Fluoranthene	66	J	76	37
86-73-7	Fluorene	76	U	76	37
193-39-5	Indeno[1,2,3-cd]pyrene	76	U	76	37
90-12-0	1-Methylnaphthalene	76	U	76	35
91-57-6	2-Methylnaphthalene	76	U	76	37
91-20-3	Naphthalene	76	U	76	37
85-01-8	Phenanthrene	39	J	76	27
129-00-0	Pyrene	50	J	76	37

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.: 680-104968-1

SDG No.: 680-104968-01

Client Sample ID: CV0755A-CS6 | Lab Sample ID: 680-104968-5

Matrix: Solid | Lab File ID: 1KI0916.D

Analysis Method: 8270D_LL_PAH | Date Collected: 09/04/2014 08:45

Extract. Method: 3546 | Date Extracted: 09/06/2014 12:38

Sample wt/vol: 30.04(g) | Date Analyzed: 09/09/2014 15:17

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

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

% Moisture: 9.3 | GPC Cleanup:(Y/N) N

Analysis Batch No.: 347967 | 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	89	J	150	73
50-32-8	Benzo[a]pyrene	77	J	150	26
205-99-2	Benzo[b]fluoranthene	160		150	73
191-24-2	Benzo[g,h,i]perylene	150	U	150	73
207-08-9	Benzo[k]fluoranthene	48	J	150	44
218-01-9	Chrysene	170		150	73
53-70-3	Dibenz(a,h)anthracene	150	U	150	73
206-44-0	Fluoranthene	140	J	150	73
86-73-7	Fluorene	150	U	150	73
193-39-5	Indeno[1,2,3-cd]pyrene	150	U	150	73
90-12-0	1-Methylnaphthalene	150	U	150	68
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	110	J	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.: 680-104968-1
SDG No.: 680-104968-01
Client Sample ID: CV0755A-CSD6
Lab Sample ID: 680-104968-6
Matrix: Solid
Lab File ID: 1KI0917.D
Analysis Method: 8270D_LL_PAH
Date Collected: 09/04/2014 08:50
Extract. Method: 3546
Date Extracted: 09/06/2014 12:38
Sample wt/vol: 30.03(g)
Date Analyzed: 09/09/2014 15:40
Con. Extract Vol.: 1(mL)
Dilution Factor: 20
Injection Volume: 2(uL)
Level: (low/med) Low
% Moisture: 9.9
GPC Cleanup:(Y/N) N
Analysis Batch No.: 347967
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	150		150	73
50-32-8	Benzo[a]pyrene	140	J	150	27
205-99-2	Benzo[b]fluoranthene	310		150	73
191-24-2	Benzo[g,h,i]perylene	86	J	150	73
207-08-9	Benzo[k]fluoranthene	120	J	150	44
218-01-9	Chrysene	330		150	73
53-70-3	Dibenz(a,h)anthracene	150	U	150	73
206-44-0	Fluoranthene	530	J	150	73
86-73-7	Fluorene	150	U	150	73
193-39-5	Indeno[1,2,3-cd]pyrene	150	U	150	73
90-12-0	1-Methylnaphthalene	110	J	150	69
91-57-6	2-Methylnaphthalene	110	J	150	73
91-20-3	Naphthalene	150	U	150	73
85-01-8	Phenanthrene	430		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)

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Savannah | Job No.: 680-104968-1

SDG No.: 680-104968-01

Client Sample ID: CV0755A-CS12 | Lab Sample ID: 680-104968-7

Matrix: Solid | Lab File ID: 1KI0918.D

Analysis Method: 8270D_LL_PAH | Date Collected: 09/04/2014 08:55

Extract. Method: 3546 | Date Extracted: 09/06/2014 12:38

Sample wt/vol: 30.01(g) | Date Analyzed: 09/09/2014 16:03

Con. Extract Vol.: 1(mL) | Dilution Factor: 10

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

% Moisture: 6.1 | GPC Cleanup:(Y/N) N

Analysis Batch No.: 347967 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
83-32-9	Acenaphthene	71	U	71	35
208-96-8	Acenaphthylene	71	U	71	35
120-12-7	Anthracene	71	U	71	35
56-55-3	Benzo[a]anthracene	71	U	71	35
50-32-8	Benzo[a]pyrene	24	J	71	13
205-99-2	Benzo[b]fluoranthene	48	J	71	35
191-24-2	Benzo[g,h,i]perylene	71	U	71	35
207-08-9	Benzo[k]fluoranthene	71	U	71	21
218-01-9	Chrysene	55	J	71	35
53-70-3	Dibenz(a,h)anthracene	71	U	71	35
206-44-0	Fluoranthene	53	J	71	35
86-73-7	Fluorene	71	U	71	35
193-39-5	Indeno[1,2,3-cd]pyrene	71	U	71	35
90-12-0	1-Methylnaphthalene	71	U	71	33
91-57-6	2-Methylnaphthalene	71	U	71	35
91-20-3	Naphthalene	71	U	71	35
85-01-8	Phenanthrene	51	J	71	26
129-00-0	Pyrene	47	J	71	35

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.: 680-104968-1

SDG No.: 680-104968-01

Client Sample ID: CV0755A-CS18 | Lab Sample ID: 680-104968-8

Matrix: Solid | Lab File ID: 1KI0919.D

Analysis Method: 8270D_LL_PAH | Date Collected: 09/04/2014 09:05

Extract. Method: 3546 | Date Extracted: 09/06/2014 12:38

Sample wt/vol: 30.03(g) | Date Analyzed: 09/09/2014 16:26

Con. Extract Vol.: 1(mL) | Dilution Factor: 10

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

% Moisture: 19.9 | GPC Cleanup:(Y/N) N

Analysis Batch No.: 347967 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
83-32-9	Acenaphthene	84	U	84	41
208-96-8	Acenaphthylene	84	U	84	41
120-12-7	Anthracene	84	U	84	41
56-55-3	Benzo[a]anthracene	84	U	84	41
50-32-8	Benzo[a]pyrene	84	U	84	15
205-99-2	Benzo[b]fluoranthene	84	U	84	41
191-24-2	Benzo[g,h,i]perylene	84	U	84	41
207-08-9	Benzo[k]fluoranthene	84	U	84	25
218-01-9	Chrysene	84	U	84	41
53-70-3	Dibenz(a,h)anthracene	84	U	84	41
206-44-0	Fluoranthene	84	U	84	41
86-73-7	Fluorene	84	U	84	41
193-39-5	Indeno[1,2,3-cd]pyrene	84	U	84	41
90-12-0	1-Methylnaphthalene	84	U	84	39
91-57-6	2-Methylnaphthalene	84	U	84	41
91-20-3	Naphthalene	84	U	84	41
85-01-8	Phenanthrene	84	U	84	30
129-00-0	Pyrene	84	U	84	41

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.: 680-104968-1
SDG No.: 680-104968-01
Client Sample ID: CV0755A-CS24
Lab Sample ID: 680-104968-9
Matrix: Solid
Lab File ID: 1KI0920.D
Analysis Method: 8270D_LL_PAH
Date Collected: 09/04/2014 09:15
Extract. Method: 3546
Date Extracted: 09/06/2014 12:38
Sample wt/vol: 30.05(g)
Date Analyzed: 09/09/2014 16:49
Con. Extract Vol.: 1(mL)
Dilution Factor: 10
Injection Volume: 2(uL)
Level: (low/med) Low
% Moisture: 11.6
GPC Cleanup:(Y/N) N
Analysis Batch No.: 347967
Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
83-32-9	Acenaphthene	76	U	76	37
208-96-8	Acenaphthylene	76	U	76	37
120-12-7	Anthracene	76	U	76	37
56-55-3	Benzo[a]anthracene	76	U	76	37
50-32-8	Benzo[a]pyrene	76	U	76	14
205-99-2	Benzo[b]fluoranthene	76	U	76	37
191-24-2	Benzo[g,h,i]perylene	76	U	76	37
207-08-9	Benzo[k]fluoranthene	76	U	76	23
218-01-9	Chrysene	76	U	76	37
53-70-3	Dibenz(a,h)anthracene	76	U	76	37
206-44-0	Fluoranthene	76	U	76	37
86-73-7	Fluorene	76	U	76	37
193-39-5	Indeno[1,2,3-cd]pyrene	76	U	76	37
90-12-0	1-Methylnaphthalene	76	U	76	35
91-57-6	2-Methylnaphthalene	76	U	76	37
91-20-3	Naphthalene	76	U	76	37
85-01-8	Phenanthrene	76	U	76	27
129-00-0	Pyrene	76	U	76	37

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.: 680-104968-1

SDG No.: 680-104968-01

Client Sample ID: CV0755B-CS6 | Lab Sample ID: 680-104968-11

Matrix: Solid | Lab File ID: 1KI0921.D

Analysis Method: 8270D_LL_PAH | Date Collected: 09/04/2014 09:40

Extract. Method: 3546 | Date Extracted: 09/06/2014 12:38

Sample wt/vol: 30.03(g) | Date Analyzed: 09/09/2014 17:12

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

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

% Moisture: 10.7 | GPC Cleanup:(Y/N) N

Analysis Batch No.: 347967 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
83-32-9	Acenaphthene	170		150	74
208-96-8	Acenaphthylene	150	U	150	74
120-12-7	Anthracene	910		150	74
56-55-3	Benzo[a]anthracene	4900		150	74
50-32-8	Benzo[a]pyrene	4300		150	27
205-99-2	Benzo[b]fluoranthene	6600		150	74
191-24-2	Benzo[g,h,i]perylene	1700		150	74
207-08-9	Benzo[k]fluoranthene	3200		150	45
218-01-9	Chrysene	5800		150	74
53-70-3	Dibenz(a,h)anthracene	620		150	74
206-44-0	Fluoranthene	12000		150	74
86-73-7	Fluorene	250		150	74
193-39-5	Indeno[1,2,3-cd]pyrene	1500		150	74
90-12-0	1-Methylnaphthalene	180		150	69
91-57-6	2-Methylnaphthalene	190		150	74
91-20-3	Naphthalene	150		150	74
85-01-8	Phenanthrene	6000		150	54
129-00-0	Pyrene	8400		150	74

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.: 680-104968-1

SDG No.: 680-104968-01

Client Sample ID: CV0755B-CS12 | Lab Sample ID: 680-104968-12

Matrix: Solid | Lab File ID: 1KI0922.D

Analysis Method: 8270D_LL_PAH | Date Collected: 09/04/2014 09:50

Extract. Method: 3546 | Date Extracted: 09/06/2014 12:38

Sample wt/vol: 30.01(g) | Date Analyzed: 09/09/2014 17:36

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

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

% Moisture: 8.1 | GPC Cleanup:(Y/N) N

Analysis Batch No.: 347967 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
83-32-9	Acenaphthene	150	U	150	72
208-96-8	Acenaphthylene	150	U	150	72
120-12-7	Anthracene	150	U	150	72
56-55-3	Benzo[a]anthracene	150	U	150	72
50-32-8	Benzo[a]pyrene	48	J	150	26
205-99-2	Benzo[b]fluoranthene	150	U	150	72
191-24-2	Benzo[g,h,i]perylene	150	U	150	72
207-08-9	Benzo[k]fluoranthene	150	U	150	44
218-01-9	Chrysene	73	J	150	72
53-70-3	Dibenz(a,h)anthracene	150	U	150	72
206-44-0	Fluoranthene	150	U	150	72
86-73-7	Fluorene	150	U	150	72
193-39-5	Indeno[1,2,3-cd]pyrene	150	U	150	72
90-12-0	1-Methylnaphthalene	150	U	150	67
91-57-6	2-Methylnaphthalene	150	U	150	72
91-20-3	Naphthalene	150	U	150	72
85-01-8	Phenanthrene	74	J	150	52
129-00-0	Pyrene	150	U	150	72

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: 680-104968-1

SDG Number: 680-104968-01

Job Description: 35th Avenue Superfund Site

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

Attention: Ms. Limari F Krebs

Approved for release.
Lisa M Harvey
Project Manager II
9/17/2014 3:16 PM

Lisa M Harvey, Project Manager II
5102 LaRoche Avenue, Savannah, GA, 31404
(912)354-7858 e.3221
lisa.harvey@testamericainc.com
09/17/2014

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CASE NARRATIVE
Client: Oneida Total Integrated Enterprises LLC
Project: 35th Avenue Superfund Site
Report Number: 680-104968-1

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.

RECEIPT

The samples were received on 09/05/2014; the samples arrived in good condition, properly preserved and on ice. The temperature of the coolers at receipt was 1.8 C.

SEMIVOLATILE ORGANIC COMPOUNDS (GC/MS) LOW LEVEL PAH

Samples CV0965C-CS6 (680-104968-1), CV0965C-CS12 (680-104968-2), CV0965C-CS18 (680-104968-3), CV0965C-CS24 (680-104968-4), CV0755A-CS6 (680-104968-5), CV0755A-CSD6 (680-104968-6), CV0755A-CS12 (680-104968-7), CV0755A-CS18 (680-104968-8), CV0755A-CS24 (680-104968-9), CV0755B-CS6 (680-104968-11) and CV0755B-CS12 (680-104968-12) were analyzed for Semivolatile Organic Compounds (GC/MS) Low level PAH in accordance with EPA SW846 Method 8270D.

Method(s) 8270D_LL_PAH: Manual integration was performed on the following sample(s): CV0755A-CS12 (680-104968-7), CV0755A-CS6 (680-104968-5), CV0755A-CSD6 (680-104968-6), CV0755B-CS18 (680-104968-14), CV0965C-CS12 (680-104968-2), CV0965C-CS18 (680-104968-3), CV0965C-CS24 (680-104968-4), CV0965C-CS6 (680-104968-1).

Method(s) 8270D_LL_PAH: Many samples were diluted due to the nature of the sample matrix. As such, surrogate recoveries are below the calibration range or are not reported, and elevated reporting limits (RLs) are provided.

Samples CV0965C-CS6 (680-104968-1)[20X], CV0965C-CS12 (680-104968-2)[20X], CV0965C-CS18 (680-104968-3)[10X], CV0965C-CS24 (680-104968-4)[10X], CV0755A-CS6 (680-104968-5)[20X], CV0755A-CSD6 (680-104968-6)[20X], CV0755A-CS12 (680-104968-7)[10X], CV0755A-CS18 (680-104968-8)[10X], CV0755A-CS24 (680-104968-9)[10X], CV0755B-CS6 (680-104968-11)[20X] and CV0755B-CS12 (680-104968-12)[20X] required dilution prior to analysis. The reporting limits have been adjusted accordingly.

METALS (ICP)

Samples CV0965C-CS6 (680-104968-1), CV0965C-CS12 (680-104968-2), CV0965C-CS18 (680-104968-3), CV0965C-CS24 (680-104968-4), CV0755A-CS6 (680-104968-5), CV0755A-CSD6 (680-104968-6), CV0755A-CS12 (680-104968-7), CV0755A-CS18 (680-104968-8), CV0755A-CS24 (680-104968-9), CV0755B-CS4 (680-104968-10), CV0755B-CS6 (680-104968-11) and CV0755B-CS12 (680-104968-12) were analyzed for Metals (ICP) in accordance with EPA SW-846 Method 6010C.

Iron and Lead recovery is outside criteria low for the MS and MSD of sample CV0965C-CS24 (680-104968-4) in batch 680-348494. Aluminum recovery is outside criteria high.

Refer to the QC report for details.

Samples CV0965C-CS18 (680-104968-3)[10X], CV0755A-CS6 (680-104968-5)[10X], CV0755A-CSD6 (680-104968-6)[10X] and CV0755B-CS12 (680-104968-12)[10X] required dilution prior to analysis. The reporting limits have been adjusted accordingly.

PERCENT SOLIDS/MOISTURE

Samples CV0965C-CS6 (680-104968-1), CV0965C-CS12 (680-104968-2), CV0965C-CS18 (680-104968-3), CV0965C-CS24 (680-104968-4), CV0755A-CS6 (680-104968-5), CV0755A-CSD6 (680-104968-6), CV0755A-CS12 (680-104968-7), CV0755A-CS18 (680-104968-8), CV0755A-CS24 (680-104968-9), CV0755B-CS4 (680-104968-10), CV0755B-CS6 (680-104968-11) and CV0755B-CS12 (680-104968-12) were analyzed for Percent Solids/Moisture in accordance with TestAmerica SOP.

SAMPLE SUMMARY

Client: Oneida Total Integrated Enterprises LLC

Job Number: 680-104968-1
Sdg Number: 680-104968-01

Lab Sample ID	Client Sample ID	Client Matrix	Date/Time Sampled	Date/Time Received
680-104968-1	CV0965C-CS6	Solid	09/03/2014 1500	09/05/2014 1005
680-104968-2	CV0965C-CS12	Solid	09/03/2014 1510	09/05/2014 1005
680-104968-3	CV0965C-CS18	Solid	09/03/2014 1520	09/05/2014 1005
680-104968-4	CV0965C-CS24	Solid	09/03/2014 1530	09/05/2014 1005
680-104968-4MS	CV0965C-CS24	Solid	09/03/2014 1530	09/05/2014 1005
680-104968-4MSD	CV0965C-CS24	Solid	09/03/2014 1530	09/05/2014 1005
680-104968-5	CV0755A-CS6	Solid	09/04/2014 0845	09/05/2014 1005
680-104968-6	CV0755A-CSD6	Solid	09/04/2014 0850	09/05/2014 1005
680-104968-7	CV0755A-CS12	Solid	09/04/2014 0855	09/05/2014 1005
680-104968-8	CV0755A-CS18	Solid	09/04/2014 0905	09/05/2014 1005
680-104968-9	CV0755A-CS24	Solid	09/04/2014 0915	09/05/2014 1005
680-104968-10	CV0755B-CS4	Solid	09/04/2014 0930	09/05/2014 1005
680-104968-11	CV0755B-CS6	Solid	09/04/2014 0940	09/05/2014 1005
680-104968-12	CV0755B-CS12	Solid	09/04/2014 0950	09/05/2014 1005

METHOD SUMMARY

Client: Oneida Total Integrated Enterprises LLC

Job Number: 680-104968-1
Sdg Number: 680-104968-01

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: 680-104968-1
Sdg Number: 680-104968-01

Method	Analyst	Analyst ID
SW846 8270D_LL_PAH	Webb, Kevin M	KMW
SW846 6010C	Bland, Brian C	BCB
EPA Moisture	Longworth, Hazel M	HML

DATA REPORTING QUALIFIERS

Client: Oneida Total Integrated Enterprises LLC

Job Number: 680-104968-1
Sdg Number: 680-104968-01

Lab Section	Qualifier	Description
GC/MS Semi VOA		
	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.
	D	Surrogate or matrix spike recoveries were not obtained because the extract was diluted for analysis; also compounds analyzed at a dilution may be flagged with a D.
Metals		
	U	Indicates the analyte was analyzed for but not detected.
	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.

Client: Oneida Total Integrated Enterprises LLC

Job Number: 680-104968-1
Sdg Number: 680-104968-01

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
GC/MS Semi VOA					
Prep Batch: 680-347686					
LCS 680-347686/22-A	Lab Control Sample	T	Solid	3546	
LCSD 680-347686/25-A	Lab Control Sample Duplicate	T	Solid	3546	
MB 680-347686/21-A	Method Blank	T	Solid	3546	
680-104968-1	CV0965C-CS6	T	Solid	3546	
680-104968-2	CV0965C-CS12	T	Solid	3546	
680-104968-3	CV0965C-CS18	T	Solid	3546	
680-104968-4	CV0965C-CS24	T	Solid	3546	
680-104968-4MS	Matrix Spike	T	Solid	3546	
680-104968-4MSD	Matrix Spike Duplicate	T	Solid	3546	
680-104968-5	CV0755A-CS6	T	Solid	3546	
680-104968-6	CV0755A-CSD6	T	Solid	3546	
680-104968-7	CV0755A-CS12	T	Solid	3546	
680-104968-8	CV0755A-CS18	T	Solid	3546	
680-104968-9	CV0755A-CS24	T	Solid	3546	
680-104968-11	CV0755B-CS6	T	Solid	3546	
680-104968-12	CV0755B-CS12	T	Solid	3546	
680-104968-A-14-B MS	Matrix Spike	T	Solid	3546	
680-104968-A-14-C MSD	Matrix Spike Duplicate	T	Solid	3546	
Analysis Batch:680-347967					
LCS 680-347686/22-A	Lab Control Sample	T	Solid	8270D_LL_PAH	680-347686
LCSD 680-347686/25-A	Lab Control Sample Duplicate	T	Solid	8270D_LL_PAH	680-347686
MB 680-347686/21-A	Method Blank	T	Solid	8270D_LL_PAH	680-347686
680-104968-1	CV0965C-CS6	T	Solid	8270D_LL_PAH	680-347686
680-104968-2	CV0965C-CS12	T	Solid	8270D_LL_PAH	680-347686
680-104968-3	CV0965C-CS18	T	Solid	8270D_LL_PAH	680-347686
680-104968-4	CV0965C-CS24	T	Solid	8270D_LL_PAH	680-347686
680-104968-4MS	Matrix Spike	T	Solid	8270D_LL_PAH	680-347686
680-104968-4MSD	Matrix Spike Duplicate	T	Solid	8270D_LL_PAH	680-347686
680-104968-5	CV0755A-CS6	T	Solid	8270D_LL_PAH	680-347686
680-104968-6	CV0755A-CSD6	T	Solid	8270D_LL_PAH	680-347686
680-104968-7	CV0755A-CS12	T	Solid	8270D_LL_PAH	680-347686
680-104968-8	CV0755A-CS18	T	Solid	8270D_LL_PAH	680-347686
680-104968-9	CV0755A-CS24	T	Solid	8270D_LL_PAH	680-347686
680-104968-11	CV0755B-CS6	T	Solid	8270D_LL_PAH	680-347686
680-104968-12	CV0755B-CS12	T	Solid	8270D_LL_PAH	680-347686
680-104968-A-14-B MS	Matrix Spike	T	Solid	8270D_LL_PAH	680-347686
680-104968-A-14-C MSD	Matrix Spike Duplicate	T	Solid	8270D_LL_PAH	680-347686

Report Basis
T = Total

Client: Oneida Total Integrated Enterprises LLC

Job Number: 680-104968-1
Sdg Number: 680-104968-01

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
Metals					
Prep Batch: 680-347754					
LCS 680-347754/2-A	Lab Control Sample	T	Solid	3050B	
MB 680-347754/1-A	Method Blank	T	Solid	3050B	
680-104968-1	CV0965C-CS6	T	Solid	3050B	
680-104968-2	CV0965C-CS12	T	Solid	3050B	
680-104968-3	CV0965C-CS18	T	Solid	3050B	
680-104968-4	CV0965C-CS24	T	Solid	3050B	
680-104968-4MS	Matrix Spike	T	Solid	3050B	
680-104968-4MSD	Matrix Spike Duplicate	T	Solid	3050B	
680-104968-5	CV0755A-CS6	T	Solid	3050B	
680-104968-6	CV0755A-CSD6	T	Solid	3050B	
680-104968-7	CV0755A-CS12	T	Solid	3050B	
680-104968-8	CV0755A-CS18	T	Solid	3050B	
680-104968-9	CV0755A-CS24	T	Solid	3050B	
680-104968-10	CV0755B-CS4	T	Solid	3050B	
680-104968-11	CV0755B-CS6	T	Solid	3050B	
680-104968-12	CV0755B-CS12	T	Solid	3050B	
Analysis Batch:680-348494					
LCS 680-347754/2-A	Lab Control Sample	T	Solid	6010C	680-347754
MB 680-347754/1-A	Method Blank	T	Solid	6010C	680-347754
680-104968-1	CV0965C-CS6	T	Solid	6010C	680-347754
680-104968-2	CV0965C-CS12	T	Solid	6010C	680-347754
680-104968-3	CV0965C-CS18	T	Solid	6010C	680-347754
680-104968-4	CV0965C-CS24	T	Solid	6010C	680-347754
680-104968-4MS	Matrix Spike	T	Solid	6010C	680-347754
680-104968-4MSD	Matrix Spike Duplicate	T	Solid	6010C	680-347754
680-104968-5	CV0755A-CS6	T	Solid	6010C	680-347754
680-104968-6	CV0755A-CSD6	T	Solid	6010C	680-347754
680-104968-7	CV0755A-CS12	T	Solid	6010C	680-347754
680-104968-8	CV0755A-CS18	T	Solid	6010C	680-347754
680-104968-9	CV0755A-CS24	T	Solid	6010C	680-347754
680-104968-10	CV0755B-CS4	T	Solid	6010C	680-347754
680-104968-11	CV0755B-CS6	T	Solid	6010C	680-347754
680-104968-12	CV0755B-CS12	T	Solid	6010C	680-347754
Analysis Batch:680-348926					
680-104968-3	CV0965C-CS18	T	Solid	6010C	680-347754
680-104968-5	CV0755A-CS6	T	Solid	6010C	680-347754
680-104968-6	CV0755A-CSD6	T	Solid	6010C	680-347754
680-104968-12	CV0755B-CS12	T	Solid	6010C	680-347754

Report Basis
T = Total

Client: Oneida Total Integrated Enterprises LLC

Job Number: 680-104968-1
Sdg Number: 680-104968-01

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
General Chemistry					
Analysis Batch:680-347691					
680-104968-1	CV0965C-CS6	T	Solid	Moisture	
680-104968-2	CV0965C-CS12	T	Solid	Moisture	
680-104968-3	CV0965C-CS18	T	Solid	Moisture	
680-104968-4	CV0965C-CS24	T	Solid	Moisture	
680-104968-4MS	Matrix Spike	T	Solid	Moisture	
680-104968-4MSD	Matrix Spike Duplicate	T	Solid	Moisture	
680-104968-5	CV0755A-CS6	T	Solid	Moisture	
680-104968-6	CV0755A-CSD6	T	Solid	Moisture	
680-104968-7	CV0755A-CS12	T	Solid	Moisture	
680-104968-8	CV0755A-CS18	T	Solid	Moisture	
680-104968-9	CV0755A-CS24	T	Solid	Moisture	
680-104968-10	CV0755B-CS4	T	Solid	Moisture	
680-104968-11	CV0755B-CS6	T	Solid	Moisture	
680-104968-12	CV0755B-CS12	T	Solid	Moisture	

Report Basis
T = Total

GC/MS SEMI VOA MANUAL INTEGRATION SUMMARY

Lab Name: TestAmerica Savannah Job No.: 680-104968-1

SDG No.: 680-104968-01

Instrument ID: CMSK Analysis Batch Number: 347967

Lab Sample ID: 680-104968-1 Client Sample ID: CV0965C-CS6

Date Analyzed: 09/09/14 13:44 Lab File ID: 1KI0912.D GC Column: RXi- 5Sil MS ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Benzo[b]fluoranthene	10.89	Split Peak	webbk	09/09/14 14:06
Benzo[k]fluoranthene	10.91	Split Peak	webbk	09/09/14 14:06

Lab Sample ID: 680-104968-2 Client Sample ID: CV0965C-CS12

Date Analyzed: 09/09/14 14:07 Lab File ID: 1KI0913.D GC Column: RXi- 5Sil MS ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Benzo[k]fluoranthene	10.91	Split Peak	webbk	09/09/14 14:43

Lab Sample ID: 680-104968-3 Client Sample ID: CV0965C-CS18

Date Analyzed: 09/09/14 14:30 Lab File ID: 1KI0914.D GC Column: RXi- 5Sil MS ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Benzo[k]fluoranthene	10.91	Split Peak	webbk	09/09/14 14:55

Lab Sample ID: 680-104968-4 Client Sample ID: CV0965C-CS24

Date Analyzed: 09/09/14 14:53 Lab File ID: 1KI0915.D GC Column: RXi- 5Sil MS ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Benzo[k]fluoranthene	10.92	Split Peak	webbk	09/09/14 15:29

Lab Sample ID: 680-104968-5 Client Sample ID: CV0755A-CS6

Date Analyzed: 09/09/14 15:17 Lab File ID: 1KI0916.D GC Column: RXi- 5Sil MS ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Benzo[b]fluoranthene	10.89	Split Peak	webbk	09/09/14 15:46
Benzo[k]fluoranthene	10.92	Split Peak	webbk	09/09/14 15:46

GC/MS SEMI VOA MANUAL INTEGRATION SUMMARY

Lab Name: TestAmerica Savannah Job No.: 680-104968-1

SDG No.: 680-104968-01

Instrument ID: CMSK Analysis Batch Number: 347967

Lab Sample ID: 680-104968-6 Client Sample ID: CV0755A-CSD6

Date Analyzed: 09/09/14 15:40 Lab File ID: 1KI0917.D GC Column: RXi- 5Sil MS ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Benzo[b]fluoranthene	10.89	Split Peak	webbk	09/09/14 16:02
Benzo[k]fluoranthene	10.90	Split Peak	webbk	09/09/14 16:02

Lab Sample ID: 680-104968-7 Client Sample ID: CV0755A-CS12

Date Analyzed: 09/09/14 16:03 Lab File ID: 1KI0918.D GC Column: RXi- 5Sil MS ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Benzo[b]fluoranthene	10.89	Split Peak	webbk	09/09/14 16:33
Benzo[k]fluoranthene	10.91	Split Peak	webbk	09/09/14 16:33

Lab Sample ID: 680-104968-11 Client Sample ID: CV0755B-CS6

Date Analyzed: 09/09/14 17:12 Lab File ID: 1KI0921.D GC Column: RXi- 5Sil MS ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Benzo[k]fluoranthene	10.92	Split Peak	webbk	09/10/14 10:10

Lab Sample ID: 680-104968-12 Client Sample ID: CV0755B-CS12

Date Analyzed: 09/09/14 17:36 Lab File ID: 1KI0922.D GC Column: RXi- 5Sil MS ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Benzo[b]fluoranthene	10.90	Split Peak	webbk	09/10/14 10:25
Benzo[k]fluoranthene	10.92	Split Peak	webbk	09/10/14 10:25

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.: 680-104968-1

SDG No.: 680-104968-01

Matrix: Solid Level: Low

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

Client Sample ID	Lab Sample ID	OTPH	#
CV0965C-CS6	680-104968-1	0	D
CV0965C-CS12	680-104968-2	0	D
CV0965C-CS18	680-104968-3	0	D
CV0965C-CS24	680-104968-4	0	D
CV0755A-CS6	680-104968-5	0	D
CV0755A-CSD6	680-104968-6	0	D
CV0755A-CS12	680-104968-7	0	D
CV0755A-CS18	680-104968-8	0	D
CV0755A-CS24	680-104968-9	0	D
CV0755B-CS6	680-104968-11	0	D
CV0755B-CS12	680-104968-12	0	D
	MB 680-347686/21-A	78	
	LCS 680-347686/22-A	65	
	LCSD 680-347686/25-A	56	
CV0965C-CS24 MS	680-104968-4 MS	0	D
	680-104968-A-14-B MS	0	D
CV0965C-CS24 MSD	680-104968-4 MSD	0	D
	680-104968-A-14-C MSD	0	D

QC LIMITS
36-131

OTPH = o-Terphenyl

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.: 680-104968-1

SDG No.: 680-104968-01

Matrix: Solid Level: Low Lab File ID: 1KI0906.D

Lab ID: LCS 680-347686/22-A Client ID:

COMPOUND	SPIKE ADDED (ug/Kg)	LCS CONCENTRATION (ug/Kg)	LCS % REC	QC LIMITS REC	#
Acenaphthene	333	256	77	33-130	
Acenaphthylene	333	261	78	37-131	
Anthracene	333	290	87	42-146	
Benzo[a]anthracene	333	296	89	39-157	
Benzo[a]pyrene	333	292	88	41-158	
Benzo[b]fluoranthene	333	296	89	35-152	
Benzo[g,h,i]perylene	333	267	80	32-150	
Benzo[k]fluoranthene	333	290	87	38-148	
Chrysene	333	287	86	38-147	
Dibenz(a,h)anthracene	333	266	80	32-155	
Fluoranthene	333	307	92	36-147	
Fluorene	333	284	85	36-138	
Indeno[1,2,3-cd]pyrene	333	252	76	35-148	
1-Methylnaphthalene	333	263	79	36-130	
2-Methylnaphthalene	333	255	76	42-130	
Naphthalene	333	238	71	33-130	
Phenanthrene	333	263	79	40-135	
Pyrene	333	241	72	38-145	

Column to be used to flag recovery and RPD values

FORM III 8270D_LL_PAH

FORM III
GC/MS SEMI VOA LAB CONTROL SAMPLE DUPLICATE RECOVERY

Lab Name: TestAmerica Savannah Job No.: 680-104968-1

SDG No.: 680-104968-01

Matrix: Solid Level: Low Lab File ID: 1KI0907.D

Lab ID: LCSD 680-347686/25-A Client ID:

COMPOUND	SPIKE ADDED (ug/Kg)	LCSD CONCENTRATION (ug/Kg)	LCSD % REC	% RPD	QC LIMITS RPD	QC LIMITS REC	#
Acenaphthene	333	253	76	1	50	33-130	
Acenaphthylene	333	247	74	5	50	37-131	
Anthracene	333	281	84	3	50	42-146	
Benzo[a]anthracene	333	284	85	4	50	39-157	
Benzo[a]pyrene	333	271	81	7	50	41-158	
Benzo[b]fluoranthene	333	265	80	11	50	35-152	
Benzo[g,h,i]perylene	333	227	68	16	50	32-150	
Benzo[k]fluoranthene	333	287	86	1	50	38-148	
Chrysene	333	273	82	5	50	38-147	
Dibenz(a,h)anthracene	333	230	69	15	50	32-155	
Fluoranthene	333	303	91	1	50	36-147	
Fluorene	333	289	87	2	50	36-138	
Indeno[1,2,3-cd]pyrene	333	227	68	11	50	35-148	
1-Methylnaphthalene	333	250	75	5	50	36-130	
2-Methylnaphthalene	333	242	73	5	50	42-130	
Naphthalene	333	215	65	10	50	33-130	
Phenanthrene	333	253	76	4	50	40-135	
Pyrene	333	223	67	8	50	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.: 680-104968-1

SDG No.: 680-104968-01

Matrix: Solid Level: Low Lab File ID: 1KI0908.D

Lab ID: 680-104968-4 MS Client ID: CV0965C-CS24 MS

COMPOUND	SPIKE ADDED (ug/Kg)	SAMPLE CONCENTRATION (ug/Kg)	MS CONCENTRATION (ug/Kg)	MS % REC	QC LIMITS REC	#
Acenaphthene	378	76 U	250	66	33-130	
Acenaphthylene	378	76 U	229	61	37-131	
Anthracene	378	76 U	248	66	42-146	
Benzo[a]anthracene	378	76 U	284	75	39-157	
Benzo[a]pyrene	378	33 J	259	60	41-158	
Benzo[b]fluoranthene	378	51 J	300	66	35-152	
Benzo[g,h,i]perylene	378	76 U	266	70	32-150	
Benzo[k]fluoranthene	378	23 J	251	66	38-148	
Chrysene	378	50 J	295	65	38-147	
Dibenz(a,h)anthracene	378	76 U	256	68	32-155	
Fluoranthene	378	66 J	288	59	36-147	
Fluorene	378	76 U	251	66	36-138	
Indeno[1,2,3-cd]pyrene	378	76 U	264	70	35-148	
1-Methylnaphthalene	378	76 U	248	66	36-130	
2-Methylnaphthalene	378	76 U	233	62	42-130	
Naphthalene	378	76 U	230	61	33-130	
Phenanthrene	378	39 J	271	61	40-135	
Pyrene	378	50 J	263	57	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.: 680-104968-1

SDG No.: 680-104968-01

Matrix: Solid Level: Low Lab File ID: 1KI0910.D

Lab ID: 680-104968-A-14-B MS Client ID:

COMPOUND	SPIKE ADDED (ug/Kg)	SAMPLE CONCENTRATION (ug/Kg)	MS CONCENTRATION (ug/Kg)	MS % REC	QC LIMITS REC	#
Acenaphthene	368	150 U	184	50	33-130	
Acenaphthylene	368	150 U	170	46	37-131	
Anthracene	368	150 U	183	50	42-146	
Benzo[a]anthracene	368	150 U	220	60	39-157	
Benzo[a]pyrene	368	32 J	182	41	41-158	
Benzo[b]fluoranthene	368	150 U	190	52	35-152	
Benzo[g,h,i]perylene	368	150 U	178	49	32-150	
Benzo[k]fluoranthene	368	150 U	181	49	38-148	
Chrysene	368	150 U	227	62	38-147	
Dibenz(a,h)anthracene	368	150 U	168	46	32-155	
Fluoranthene	368	150 U	212	58	36-147	
Fluorene	368	150 U	181	49	36-138	
Indeno[1,2,3-cd]pyrene	368	150 U	175	48	35-148	
1-Methylnaphthalene	368	150 U	193	52	36-130	
2-Methylnaphthalene	368	150 U	176	48	42-130	
Naphthalene	368	150 U	174	47	33-130	
Phenanthrene	368	150 U	204	55	40-135	
Pyrene	368	150 U	194	53	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 DUPLICATE RECOVERY

Lab Name: TestAmerica Savannah Job No.: 680-104968-1

SDG No.: 680-104968-01

Matrix: Solid Level: Low Lab File ID: 1KI0909.D

Lab ID: 680-104968-4 MSD Client ID: CV0965C-CS24 MSD

COMPOUND	SPIKE ADDED (ug/Kg)	MSD CONCENTRATION (ug/Kg)	MSD % REC	% RPD	QC LIMITS RPD	QC LIMITS REC	#
Acenaphthene	377	232	61	8	50	33-130	
Acenaphthylene	377	203	54	12	50	37-131	
Anthracene	377	230	61	8	50	42-146	
Benzo[a]anthracene	377	267	71	6	50	39-157	
Benzo[a]pyrene	377	218	49	17	50	41-158	
Benzo[b]fluoranthene	377	285	62	5	50	35-152	
Benzo[g,h,i]perylene	377	225	60	17	50	32-150	
Benzo[k]fluoranthene	377	246	65	2	50	38-148	
Chrysene	377	282	62	4	50	38-147	
Dibenz(a,h)anthracene	377	201	53	24	50	32-155	
Fluoranthene	377	269	54	7	50	36-147	
Fluorene	377	241	64	4	50	36-138	
Indeno[1,2,3-cd]pyrene	377	211	56	22	50	35-148	
1-Methylnaphthalene	377	241	64	3	50	36-130	
2-Methylnaphthalene	377	229	61	2	50	42-130	
Naphthalene	377	219	58	5	50	33-130	
Phenanthrene	377	248	55	9	50	40-135	
Pyrene	377	250	53	5	50	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 DUPLICATE RECOVERY

Lab Name: TestAmerica Savannah Job No.: 680-104968-1

SDG No.: 680-104968-01

Matrix: Solid Level: Low Lab File ID: 1KI0911.D

Lab ID: 680-104968-A-14-C MSD Client ID:

COMPOUND	SPIKE ADDED (ug/Kg)	MSD CONCENTRATION (ug/Kg)	MSD % REC	% RPD	QC LIMITS RPD	QC LIMITS REC	#
Acenaphthene	368	246	67	29	50	33-130	
Acenaphthylene	368	233	63	31	50	37-131	
Anthracene	368	244	66	29	50	42-146	
Benzo[a]anthracene	368	278	76	23	50	39-157	
Benzo[a]pyrene	368	239	56	27	50	41-158	
Benzo[b]fluoranthene	368	266	72	33	50	35-152	
Benzo[g,h,i]perylene	368	221	60	21	50	32-150	
Benzo[k]fluoranthene	368	259	70	35	50	38-148	
Chrysene	368	319	87	34	50	38-147	
Dibenz(a,h)anthracene	368	208	56	21	50	32-155	
Fluoranthene	368	299	81	34	50	36-147	
Fluorene	368	257	70	35	50	36-138	
Indeno[1,2,3-cd]pyrene	368	209	57	18	50	35-148	
1-Methylnaphthalene	368	276	75	36	50	36-130	
2-Methylnaphthalene	368	256	70	37	50	42-130	
Naphthalene	368	236	64	30	50	33-130	
Phenanthrene	368	265	72	26	50	40-135	
Pyrene	368	263	72	30	50	38-145	

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.: 680-104968-1

SDG No.: 680-104968-01

Lab File ID: 1KI0905.D Lab Sample ID: MB 680-347686/21-A

Matrix: Solid Date Extracted: 09/06/2014 12:38

Instrument ID: CMSK Date Analyzed: 09/09/2014 11:02

Level:(Low/Med) Low

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES:

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
	LCS 680-347686/22-A	1KI0906.D	09/09/2014 11:25
	LCSD 680-347686/25-A	1KI0907.D	09/09/2014 11:48
CV0965C-CS24 MS	680-104968-4 MS	1KI0908.D	09/09/2014 12:11
CV0965C-CS24 MSD	680-104968-4 MSD	1KI0909.D	09/09/2014 12:34
	680-104968-A-14-B MS	1KI0910.D	09/09/2014 12:57
	680-104968-A-14-C MSD	1KI0911.D	09/09/2014 13:21
CV0965C-CS6	680-104968-1	1KI0912.D	09/09/2014 13:44
CV0965C-CS12	680-104968-2	1KI0913.D	09/09/2014 14:07
CV0965C-CS18	680-104968-3	1KI0914.D	09/09/2014 14:30
CV0965C-CS24	680-104968-4	1KI0915.D	09/09/2014 14:53
CV0755A-CS6	680-104968-5	1KI0916.D	09/09/2014 15:17
CV0755A-CSD6	680-104968-6	1KI0917.D	09/09/2014 15:40
CV0755A-CS12	680-104968-7	1KI0918.D	09/09/2014 16:03
CV0755A-CS18	680-104968-8	1KI0919.D	09/09/2014 16:26
CV0755A-CS24	680-104968-9	1KI0920.D	09/09/2014 16:49
CV0755B-CS6	680-104968-11	1KI0921.D	09/09/2014 17:12
CV0755B-CS12	680-104968-12	1KI0922.D	09/09/2014 17:36

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

Lab Name: TestAmerica Savannah Job No.: 680-104968-1

SDG No.: 680-104968-01

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

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

Lab Name: TestAmerica Savannah Job No.: 680-104968-1

SDG No.: 680-104968-01

Lab File ID: 1KI0901.D DFTPP Injection Date: 09/09/2014

Instrument ID: CMSK DFTPP Injection Time: 09:39

Analysis Batch No.: 347967

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
51	10.0 - 80.0 % of mass 442	26.3	
68	Less than 2.0 % of mass 69	0.0	(0.0)1
69	Mass 69 relative abundance	23.8	
70	Less than 2.0 % of mass 69	0.1	(0.6)1
127	10.0 - 80.0 % of mass 442	43.1	
197	Less than 2.0 % of mass 198	0.0	(0.0)2
198	Greater than 50.0 % of mass 442	90.7	
199	5.0 - 9.0 % of mass 198	6.1	(6.7)2
275	10.0 - 60.0 % of mass 442	20.6	
365	Greater than 1.0 % of mass 442	3.2	
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	19.8	

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
	CCVIS 680-347967/2	1KI0902.D	09/09/2014	09:53
	MB 680-347686/21-A	1KI0905.D	09/09/2014	11:02
	LCS 680-347686/22-A	1KI0906.D	09/09/2014	11:25
	LCSD 680-347686/25-A	1KI0907.D	09/09/2014	11:48
CV0965C-CS24 MS	680-104968-4 MS	1KI0908.D	09/09/2014	12:11
CV0965C-CS24 MSD	680-104968-4 MSD	1KI0909.D	09/09/2014	12:34
	680-104968-A-14-B MS	1KI0910.D	09/09/2014	12:57
	680-104968-A-14-C MSD	1KI0911.D	09/09/2014	13:21
CV0965C-CS6	680-104968-1	1KI0912.D	09/09/2014	13:44
CV0965C-CS12	680-104968-2	1KI0913.D	09/09/2014	14:07
CV0965C-CS18	680-104968-3	1KI0914.D	09/09/2014	14:30
CV0965C-CS24	680-104968-4	1KI0915.D	09/09/2014	14:53
CV0755A-CS6	680-104968-5	1KI0916.D	09/09/2014	15:17
CV0755A-CSD6	680-104968-6	1KI0917.D	09/09/2014	15:40
CV0755A-CS12	680-104968-7	1KI0918.D	09/09/2014	16:03
CV0755A-CS18	680-104968-8	1KI0919.D	09/09/2014	16:26
CV0755A-CS24	680-104968-9	1KI0920.D	09/09/2014	16:49
CV0755B-CS6	680-104968-11	1KI0921.D	09/09/2014	17:12
CV0755B-CS12	680-104968-12	1KI0922.D	09/09/2014	17:36

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

Lab Name: TestAmerica Savannah Job No.: 680-104968-1

SDG No.: 680-104968-01

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

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.: 680-104968-1

SDG No.: 680-104968-01

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		

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

Lab Name: TestAmerica Savannah Job No.: 680-104968-1

SDG No.: 680-104968-01

Sample No.: CCVIS 680-347967/2 Date Analyzed: 09/09/2014 09:53

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

Lab File ID (Standard): 1KI0902.D Heated Purge: (Y/N) N

Calibration ID: 33803

		NPT		ANT		PHN	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
12/24 HOUR STD		415005	3.71	207819	5.46	270007	7.06
UPPER LIMIT		830010	4.21	415638	5.96	540014	7.56
LOWER LIMIT		207503	3.21	103910	4.96	135004	6.56
LAB SAMPLE ID	CLIENT SAMPLE ID						
MB 680-347686/21-A		541824	3.71	260703	5.46	331911	7.05
LCS 680-347686/22-A		509613	3.71	247192	5.46	326846	7.06
LCSD 680-347686/25-A		533112	3.71	277319	5.46	411065	7.06
680-104968-4 MS	CV0965C-CS24 MS	393098	3.71	184471	5.46	223105	7.05
680-104968-4 MSD	CV0965C-CS24 MSD	456586	3.71	221979	5.46	275951	7.05
680-104968-A-14-B MS		456595	3.71	220595	5.46	271762	7.05
680-104968-A-14-C MSD		466326	3.71	228032	5.46	292374	7.05
680-104968-1	CV0965C-CS6	491203	3.71	238929	5.46	319858	7.06
680-104968-2	CV0965C-CS12	507900	3.71	247725	5.46	337347	7.06
680-104968-3	CV0965C-CS18	435164	3.71	219854	5.46	292329	7.06
680-104968-4	CV0965C-CS24	473353	3.71	233744	5.46	314566	7.06
680-104968-5	CV0755A-CS6	515609	3.71	262439	5.46	350335	7.06
680-104968-6	CV0755A-CSD6	495972	3.71	262919	5.46	381384	7.06
680-104968-7	CV0755A-CS12	563470	3.71	279839	5.46	387365	7.06
680-104968-8	CV0755A-CS18	502421	3.71	259132	5.46	347415	7.06
680-104968-9	CV0755A-CS24	506031	3.71	255870	5.46	347298	7.06
680-104968-11	CV0755B-CS6	438682	3.71	229059	5.46	308345	7.06
680-104968-12	CV0755B-CS12	526483	3.71	261978	5.46	357312	7.06

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.: 680-104968-1

SDG No.: 680-104968-01

Sample No.: CCVIS 680-347967/2 Date Analyzed: 09/09/2014 09:53

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

Lab File ID (Standard): 1KI0902.D Heated Purge: (Y/N) N

Calibration ID: 33803

		CRY		PRY			
		AREA #	RT #	AREA #	RT #	AREA #	RT #
12/24 HOUR STD		239789	9.88	208848	11.24		
UPPER LIMIT		479578	10.38	417696	11.74		
LOWER LIMIT		119895	9.38	104424	10.74		
LAB SAMPLE ID	CLIENT SAMPLE ID						
MB 680-347686/21-A		239166	9.88	195531	11.23		
LCS 680-347686/22-A		292417	9.88	240706	11.25		
LCSD 680-347686/25-A		398461	9.88	341877	11.24		
680-104968-4 MS	CV0965C-CS24 MS	167741	9.88	145313	11.23		
680-104968-4 MSD	CV0965C-CS24 MSD	198708	9.88	171715	11.23		
680-104968-A-14-B MS		198389	9.88	174709	11.25		
680-104968-A-14-C MSD		225350	9.88	195600	11.23		
680-104968-1	CV0965C-CS6	254383	9.88	213214	11.24		
680-104968-2	CV0965C-CS12	251723	9.88	206275	11.24		
680-104968-3	CV0965C-CS18	221758	9.88	190620	11.24		
680-104968-4	CV0965C-CS24	214442	9.88	159876	11.25		
680-104968-5	CV0755A-CS6	259240	9.88	214075	11.25		
680-104968-6	CV0755A-CSD6	299886	9.88	209793	11.24		
680-104968-7	CV0755A-CS12	270130	9.88	216303	11.24		
680-104968-8	CV0755A-CS18	244473	9.88	173612	11.25		
680-104968-9	CV0755A-CS24	239128	9.88	179359	11.25		
680-104968-11	CV0755B-CS6	264248	9.88	205394	11.26		
680-104968-12	CV0755B-CS12	252462	9.88	194406	11.26		

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.: 680-104968-1
SDG No.: 680-104968-01
Client Sample ID: CV0965C-CS6
Lab Sample ID: 680-104968-1
Matrix: Solid
Lab File ID: 1KI0912.D
Analysis Method: 8270D_LL_PAH
Date Collected: 09/03/2014 15:00
Extract. Method: 3546
Date Extracted: 09/06/2014 12:38
Sample wt/vol: 30.05(g)
Date Analyzed: 09/09/2014 13:44
Con. Extract Vol.: 1(mL)
Dilution Factor: 20
Injection Volume: 2(uL)
Level: (low/med) Low
% Moisture: 8.4
GPC Cleanup:(Y/N) N
Analysis Batch No.: 347967
Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
83-32-9	Acenaphthene	150	U	150	72
208-96-8	Acenaphthylene	150	U	150	72
120-12-7	Anthracene	120	J	150	72
56-55-3	Benzo[a]anthracene	660		150	72
50-32-8	Benzo[a]pyrene	580		150	26
205-99-2	Benzo[b]fluoranthene	1000		150	72
191-24-2	Benzo[g,h,i]perylene	330		150	72
207-08-9	Benzo[k]fluoranthene	370		150	44
218-01-9	Chrysene	940		150	72
53-70-3	Dibenz(a,h)anthracene	120	J	150	72
206-44-0	Fluoranthene	1600		150	72
86-73-7	Fluorene	150	U	150	72
193-39-5	Indeno[1,2,3-cd]pyrene	300		150	72
90-12-0	1-Methylnaphthalene	180		150	68
91-57-6	2-Methylnaphthalene	190		150	72
91-20-3	Naphthalene	170		150	72
85-01-8	Phenanthrene	1200		150	52
129-00-0	Pyrene	1100		150	72

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\20140909-12643.b\1KI0912.D
Lims ID: 680-104968-A-1-A Lab Sample ID: 680-104968-1
Client ID: CV0965C-CS6
Sample Type: Client
Inject. Date: 09-Sep-2014 13:44:30 ALS Bottle#: 12 Worklist Smp#: 12
Injection Vol: 2.0 ul Dil. Factor: 20.0000
Sample Info: 680-104968-A-1-A
Misc. Info.: 680-0012643-012
Operator ID: RM Instrument ID: CMSK

Method: \\SAVCHROM\ChromData\CMSK\20140909-12643.b\8270_LLPAH_CMSK.m
Limit Group: 8270D_LL_PAH
Last Update: 12-Sep-2014 10:29:51 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: XAWRK027

First Level Reviewer: webbk Date: 09-Sep-2014 14:03:46

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/ml	Flags
* 1 Naphthalene-d8	136	3.713	3.713	0.000	98	491203	2.00	
* 2 Acenaphthene-d10	164	5.464	5.464	0.000	92	238929	2.00	
* 3 Phenanthrene-d10	188	7.056	7.056	0.000	98	319858	2.00	
* 4 Chrysene-d12	240	9.882	9.882	0.000	98	254383	2.00	
* 5 Perylene-d12	264	11.239	11.239	0.000	96	213214	2.00	
7 Naphthalene	128	3.730	3.730	0.000	98	60130	0.2339	
9 2-Methylnaphthalene	142	4.394	4.394	0.000	77	38979	0.2597	
8 1-Methylnaphthalene	142	4.494	4.494	0.000	88	35159	0.2499	
11 Acenaphthylene	152	5.311	5.311	0.000	94	13587	0.0642	
14 Fluorene	166	6.045	6.045	0.000	78	11707	0.0919	
15 Phenanthrene	178	7.079	7.079	0.000	93	294148	1.60	
16 Anthracene	178	7.132	7.132	0.000	95	27521	0.1637	
17 Fluoranthene	202	8.378	8.378	0.000	98	377791	2.27	
18 Pyrene	202	8.613	8.613	0.000	94	306668	1.56	
19 Benzo[a]anthracene	228	9.870	9.870	0.000	97	121424	0.9138	
20 Chrysene	228	9.905	9.906	-0.001	94	165577	1.30	
21 Benzo[b]fluoranthene	252	10.887	10.893	-0.006	96	180543	1.39	M
22 Benzo[k]fluoranthene	252	10.910	10.916	-0.006	94	66955	0.5119	M
23 Benzo[a]pyrene	252	11.180	11.186	-0.006	94	91395	0.7928	
24 Indeno[1,2,3-cd]pyrene	276	12.385	12.391	-0.006	95	58771	0.4192	
25 Dibenz(a,h)anthracene	278	12.408	12.420	-0.012	31	18820	0.1675	
26 Benzo[g,h,i]perylene	276	12.720	12.726	-0.006	84	53573	0.4613	

QC Flag Legend

Review Flags
M - Manually Integrated

Reagents:

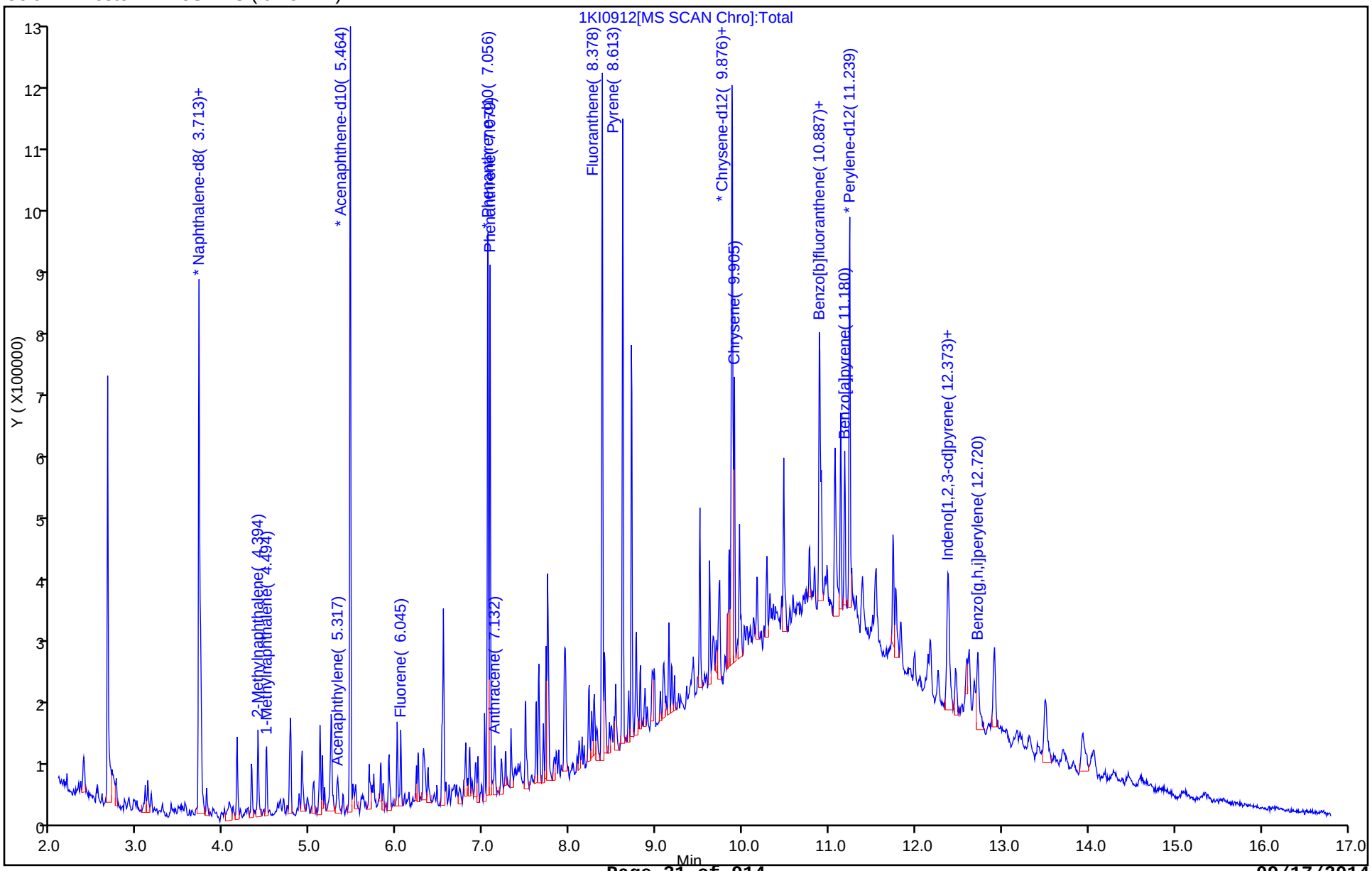
SM-LLISTD_00106 Amount Added: 10.00 Units: uL Run Reagent

Report Date: 12-Sep-2014 10:30:01 Chrom Revision: 2.2 18-Aug-2014 12:17:36

TestAmerica Savannah

Data File:	\\SAVCHROM\ChromData\CMSK\20140909-12643.b\1KI0912.D				
Injection Date:	09-Sep-2014 13:44:30	Instrument ID:	CMSK	Operator ID:	RM
Lims ID:	680-104968-A-1-A	Lab Sample ID:	680-104968-1	Worklist Smp#:	12
Client ID:	CV0965C-CS6				
Injection Vol:	2.0 ul	Dil. Factor:	20.0000	ALS Bottle#:	12
Method:	8270_LLPAH_CMSK	Limit Group:	8270D_LL_PAH		

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

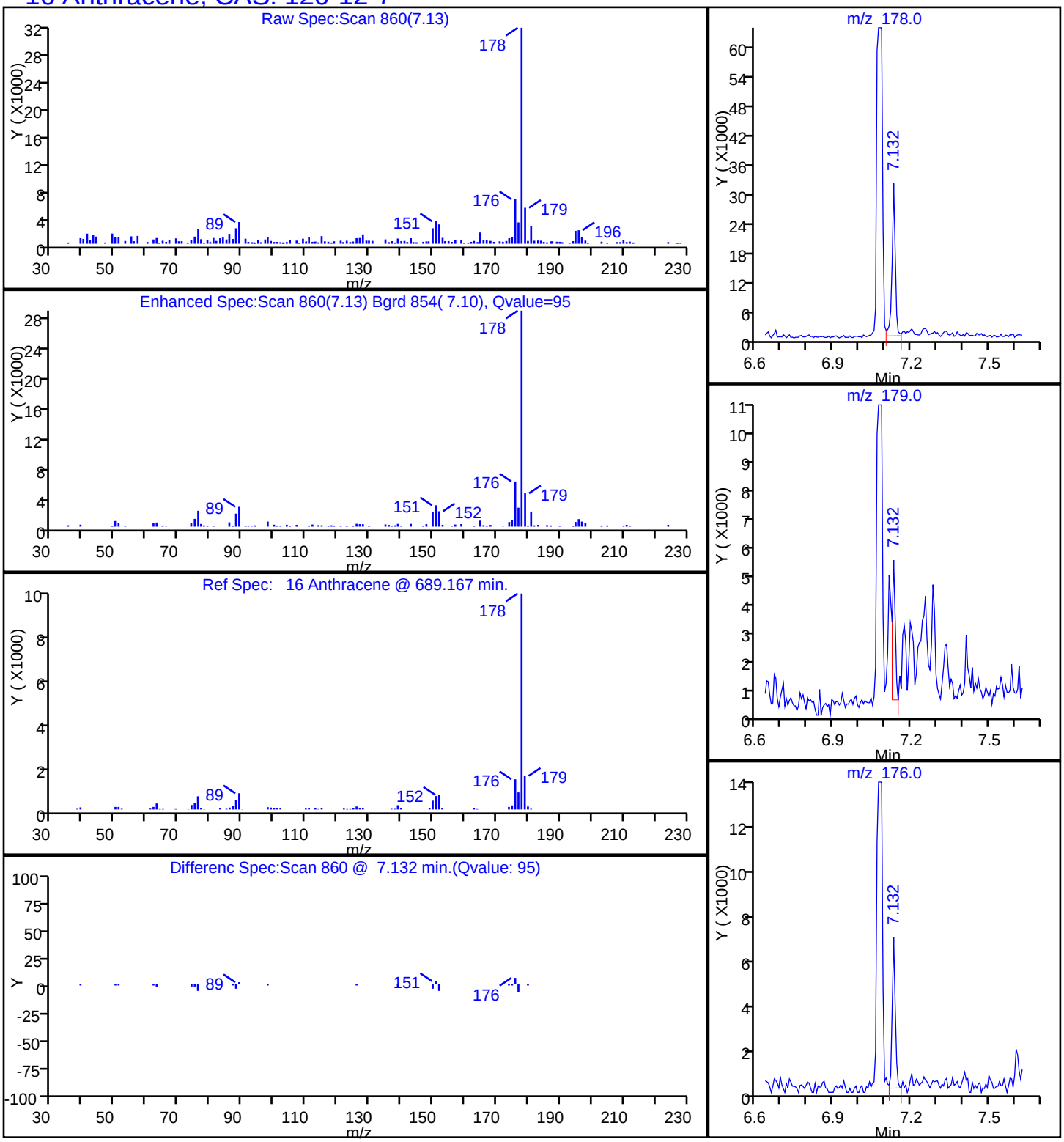


Report Date: 12-Sep-2014 10:30:01 Chrom Revision: 2.2 18-Aug-2014 12:17:36

TestAmerica Savannah

Data File:	\\SAVCHROM\ChromData\CMSK\20140909-12643.b\1KI0912.D				
Injection Date:	09-Sep-2014 13:44:30	Instrument ID:	CMSK		
Lims ID:	680-104968-A-1-A	Lab Sample ID:	680-104968-1		
Client ID:	CV0965C-CS6				
Operator ID:	RM	ALS Bottle#:	12	Worklist Smp#:	12
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

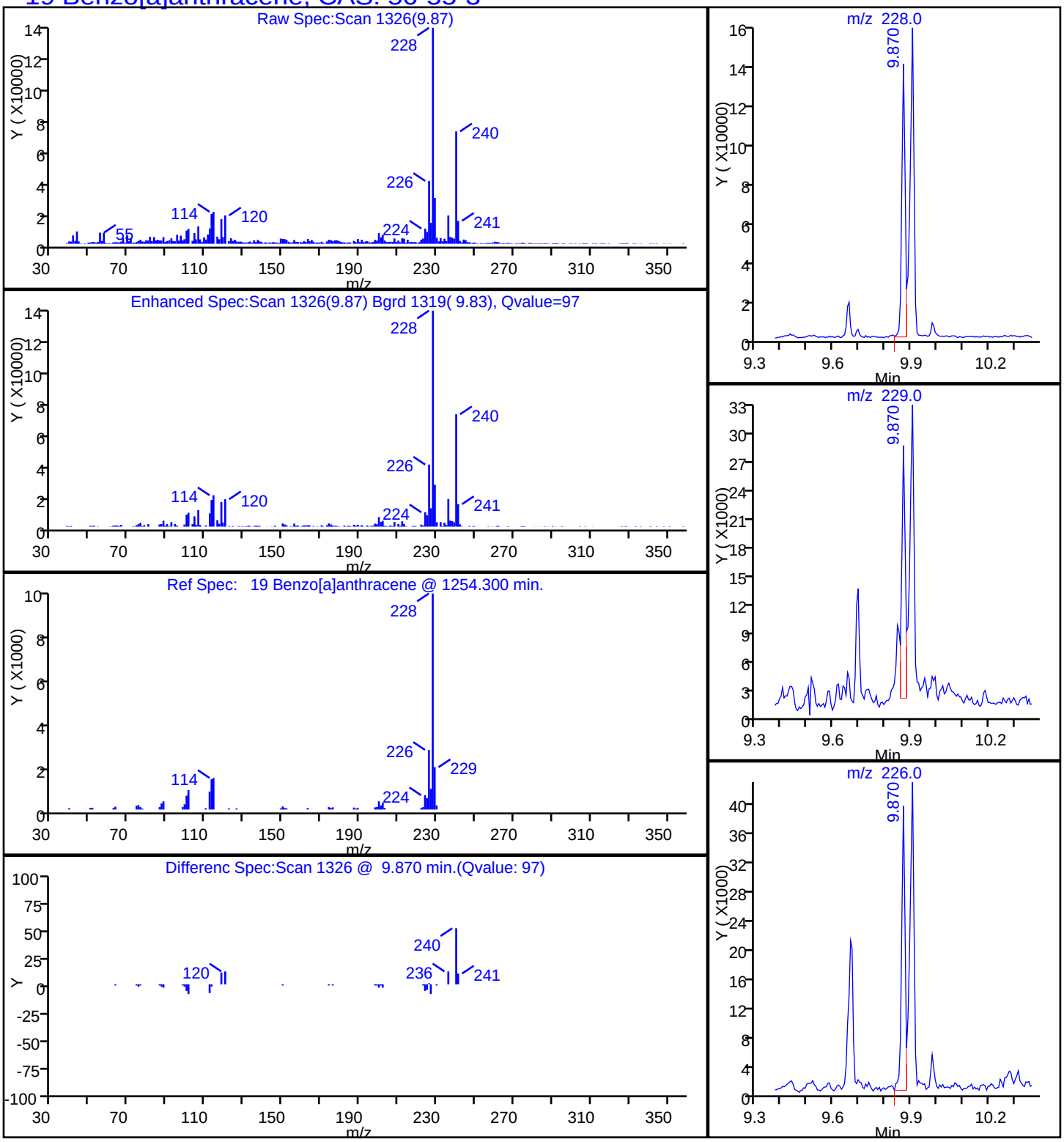


Report Date: 12-Sep-2014 10:30:02 Chrom Revision: 2.2 18-Aug-2014 12:17:36

TestAmerica Savannah

Data File:	\\SAVCHROM\ChromData\CMSK\20140909-12643.b\1KI0912.D				
Injection Date:	09-Sep-2014 13:44:30	Instrument ID:	CMSK		
Lims ID:	680-104968-A-1-A	Lab Sample ID:	680-104968-1		
Client ID:	CV0965C-CS6				
Operator ID:	RM	ALS Bottle#:	12	Worklist Smp#:	12
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

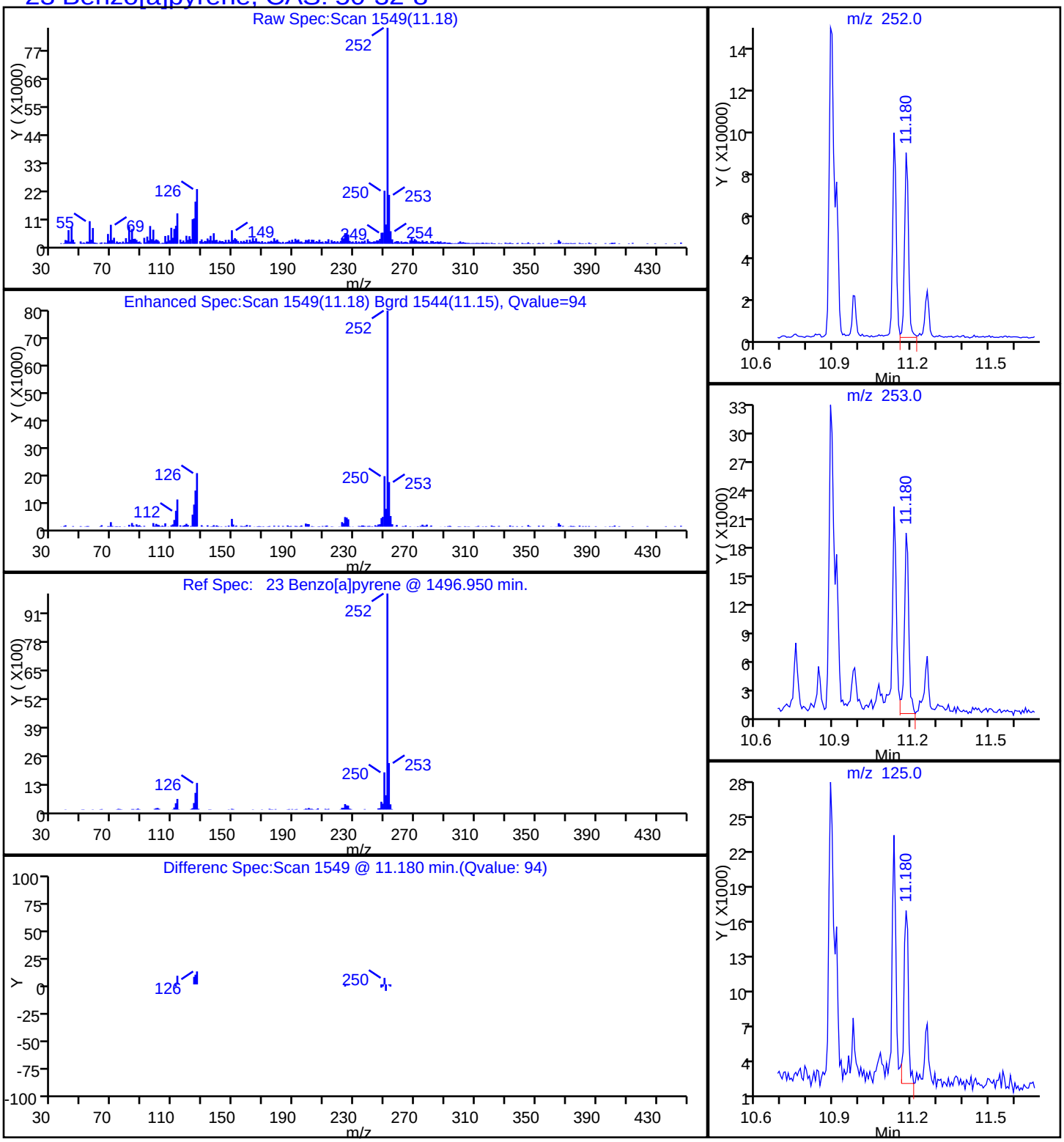


Report Date: 12-Sep-2014 10:30:02 Chrom Revision: 2.2 18-Aug-2014 12:17:36

TestAmerica Savannah

Data File:	\\SAVCHROM\ChromData\CMSK\20140909-12643.b\1KI0912.D				
Injection Date:	09-Sep-2014 13:44:30	Instrument ID:	CMSK		
Lims ID:	680-104968-A-1-A	Lab Sample ID:	680-104968-1		
Client ID:	CV0965C-CS6				
Operator ID:	RM	ALS Bottle#:	12	Worklist Smp#:	12
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

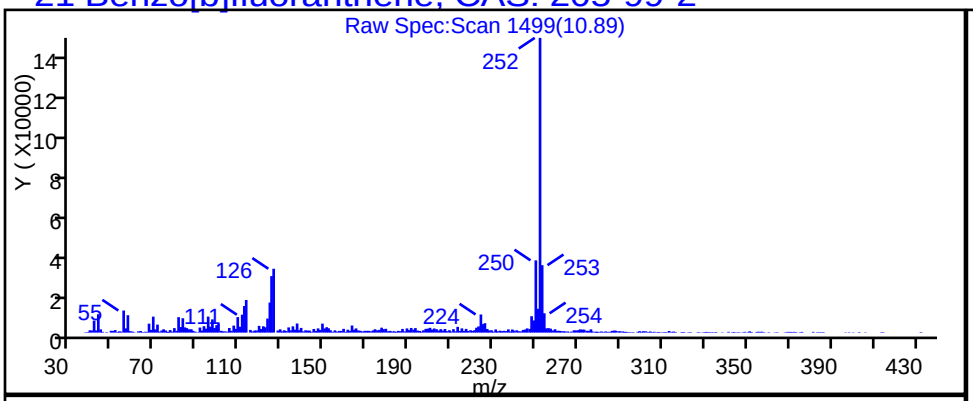


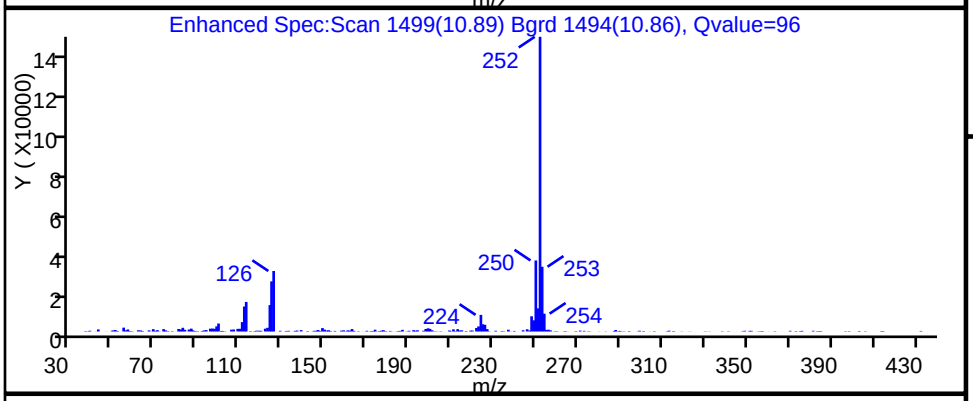
Report Date: 12-Sep-2014 10:30:02 Chrom Revision: 2.2 18-Aug-2014 12:17:36

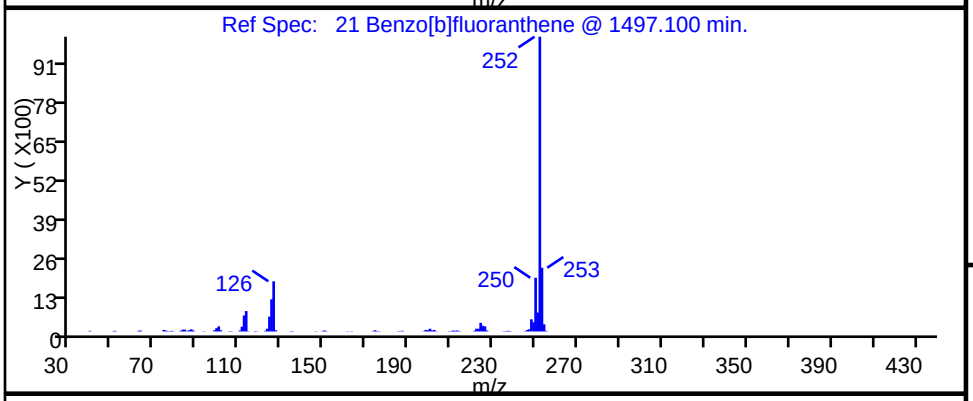
TestAmerica Savannah

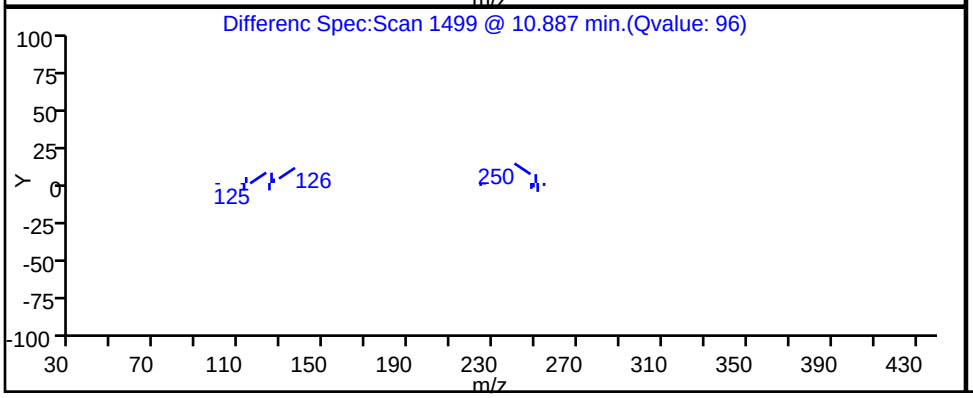
Data File:	\\SAVCHROM\ChromData\CMSK\20140909-12643.b\1KI0912.D				
Injection Date:	09-Sep-2014 13:44:30	Instrument ID:	CMSK		
Lims ID:	680-104968-A-1-A	Lab Sample ID:	680-104968-1		
Client ID:	CV0965C-CS6				
Operator ID:	RM	ALS Bottle#:	12	Worklist Smp#:	12
Injection Vol:	2.0 ul	Dil. Factor:	20.0000		
Method:	8270_LLPAH_CMSK	Limit Group:	8270D_LL_PAH		
Column:	Restek RXi-5Sil MS (0.25 mm)	Detector	MS SCAN		

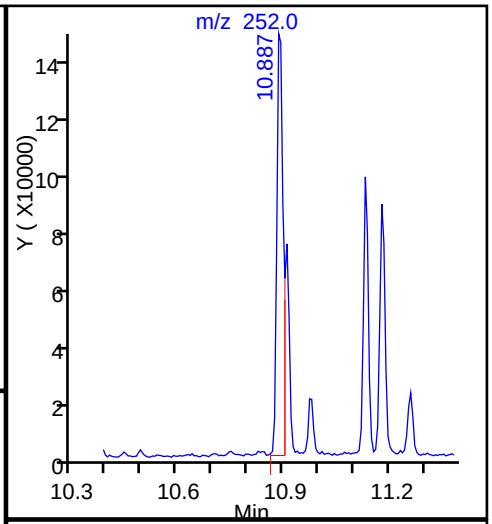
21 Benzo[b]fluoranthene, CAS: 205-99-2

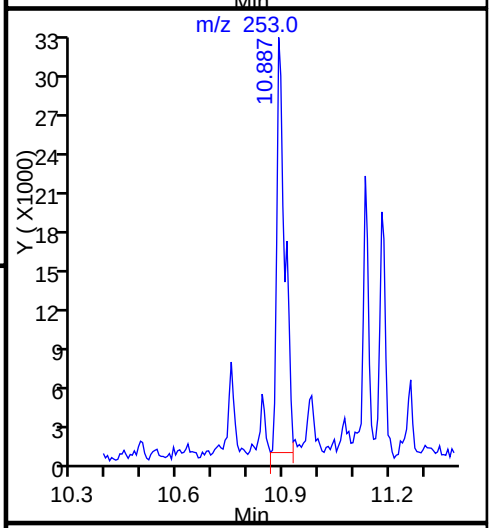


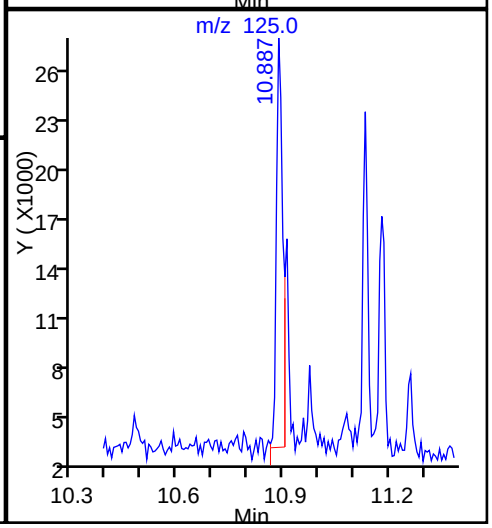










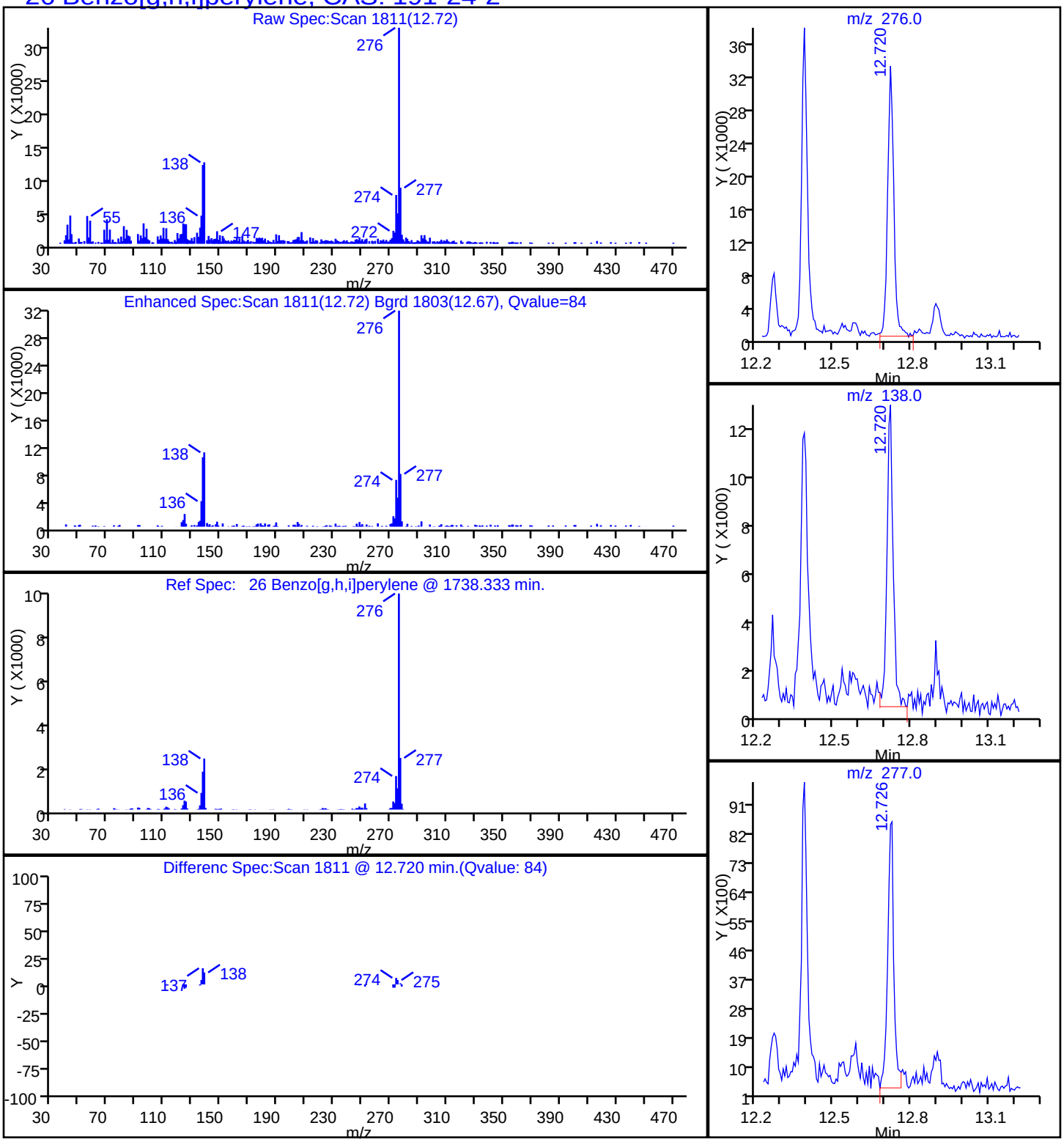


Report Date: 12-Sep-2014 10:30:02 Chrom Revision: 2.2 18-Aug-2014 12:17:36

TestAmerica Savannah

Data File:	\\SAVCHROM\ChromData\CMSK\20140909-12643.b\1KI0912.D				
Injection Date:	09-Sep-2014 13:44:30	Instrument ID:	CMSK		
Lims ID:	680-104968-A-1-A	Lab Sample ID:	680-104968-1		
Client ID:	CV0965C-CS6				
Operator ID:	RM	ALS Bottle#:	12	Worklist Smp#:	12
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

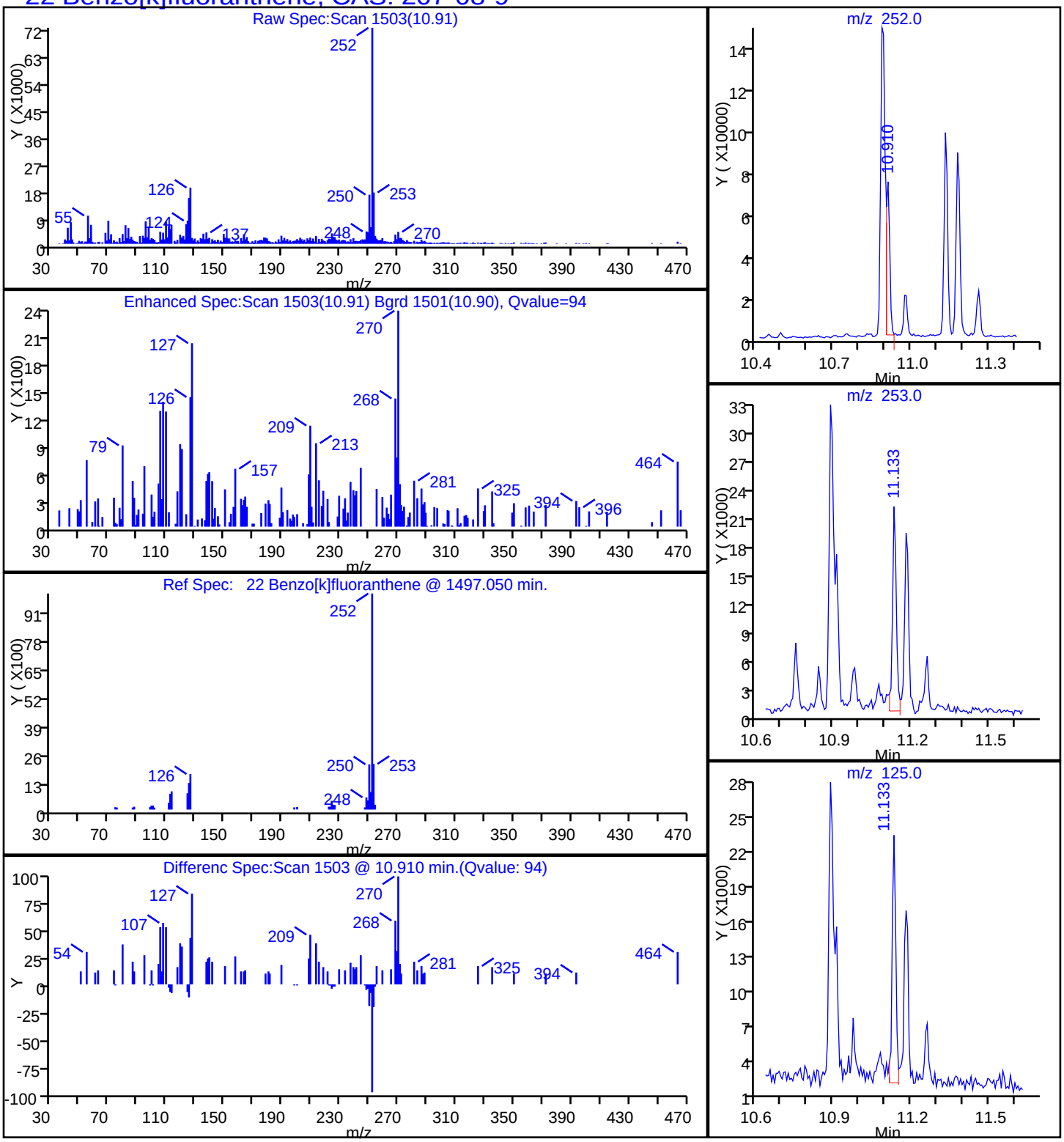


Report Date: 12-Sep-2014 10:30:02 Chrom Revision: 2.2 18-Aug-2014 12:17:36

TestAmerica Savannah

Data File:	\\SAVCHROM\ChromData\CMSK\20140909-12643.b\1KI0912.D				
Injection Date:	09-Sep-2014 13:44:30	Instrument ID:	CMSK		
Lims ID:	680-104968-A-1-A	Lab Sample ID:	680-104968-1		
Client ID:	CV0965C-CS6				
Operator ID:	RM	ALS Bottle#:	12	Worklist Smp#:	12
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

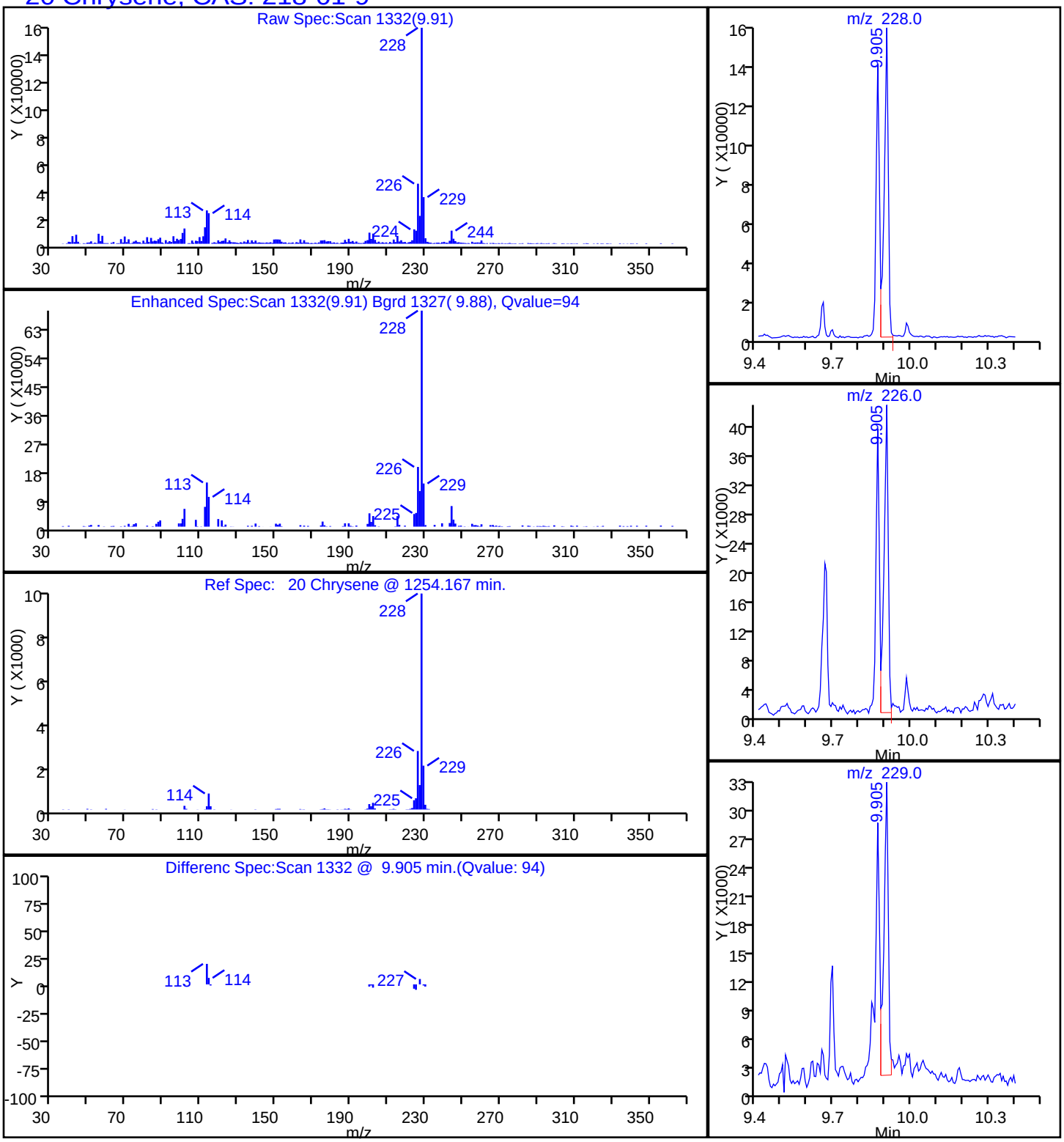


Report Date: 12-Sep-2014 10:30:02 Chrom Revision: 2.2 18-Aug-2014 12:17:36

TestAmerica Savannah

Data File:	\\SAVCHROM\ChromData\CMSK\20140909-12643.b\1KI0912.D				
Injection Date:	09-Sep-2014 13:44:30	Instrument ID:	CMSK		
Lims ID:	680-104968-A-1-A	Lab Sample ID:	680-104968-1		
Client ID:	CV0965C-CS6				
Operator ID:	RM	ALS Bottle#:	12	Worklist Smp#:	12
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

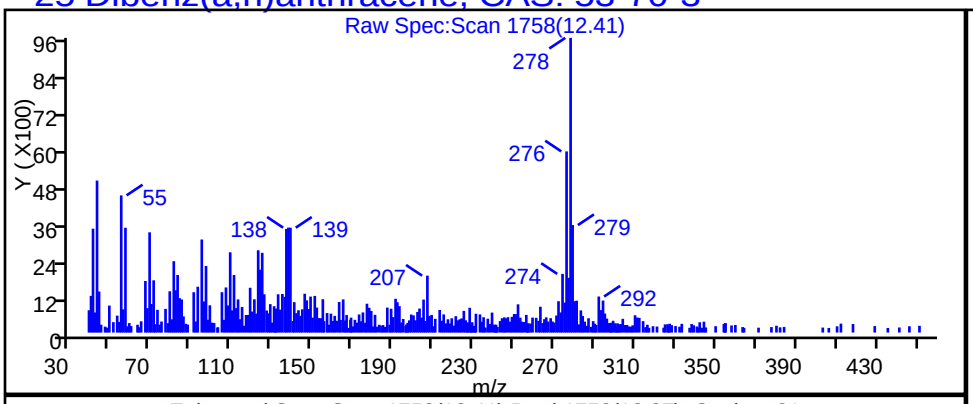


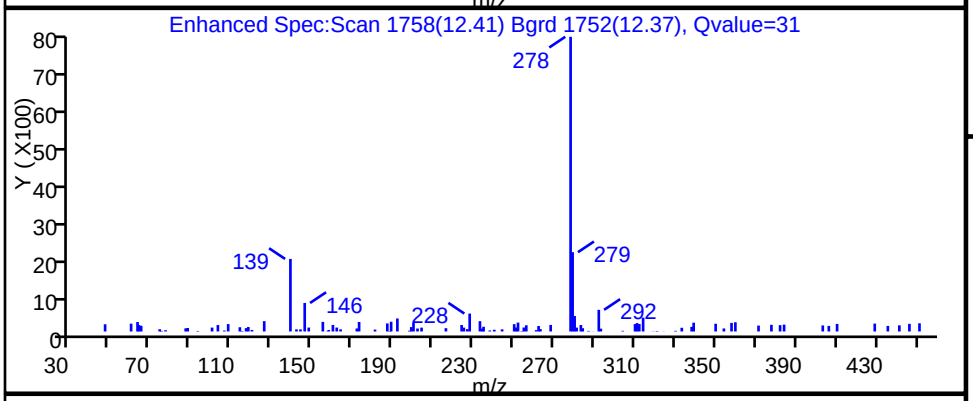
Report Date: 12-Sep-2014 10:30:02 Chrom Revision: 2.2 18-Aug-2014 12:17:36

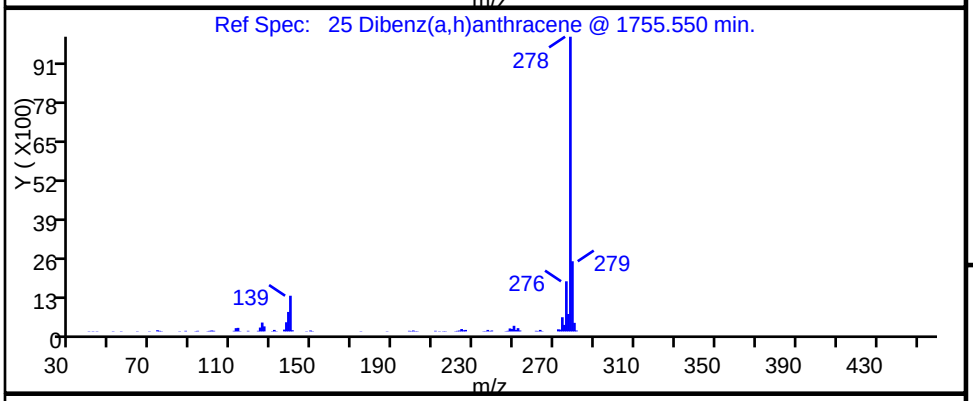
TestAmerica Savannah

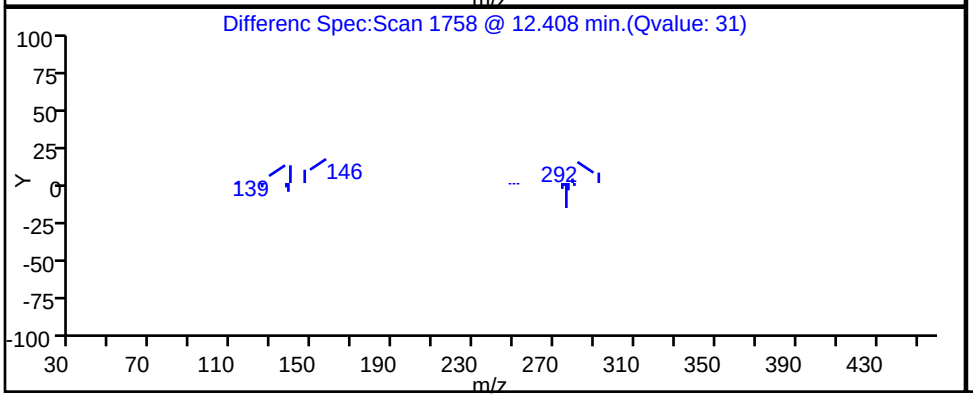
Data File:	\\SAVCHROM\ChromData\CMSK\20140909-12643.b\1KI0912.D				
Injection Date:	09-Sep-2014 13:44:30	Instrument ID:	CMSK		
Lims ID:	680-104968-A-1-A	Lab Sample ID:	680-104968-1		
Client ID:	CV0965C-CS6				
Operator ID:	RM	ALS Bottle#:	12	Worklist Smp#:	12
Injection Vol:	2.0 ul	Dil. Factor:	20.0000		
Method:	8270_LLPAH_CMSK	Limit Group:	8270D_LL_PAH		
Column:	Restek RXi-5Sil MS (0.25 mm)	Detector	MS SCAN		

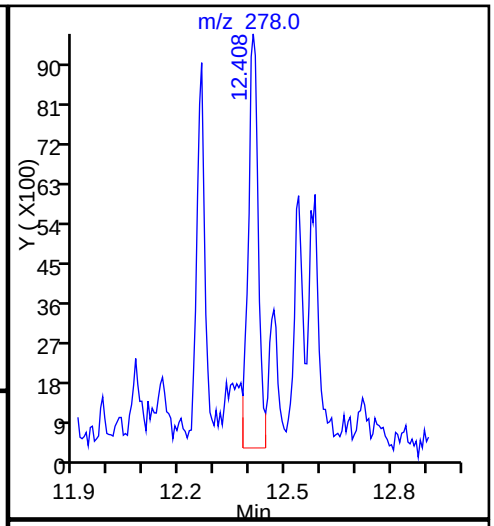
25 Dibenz(a,h)anthracene, CAS: 53-70-3

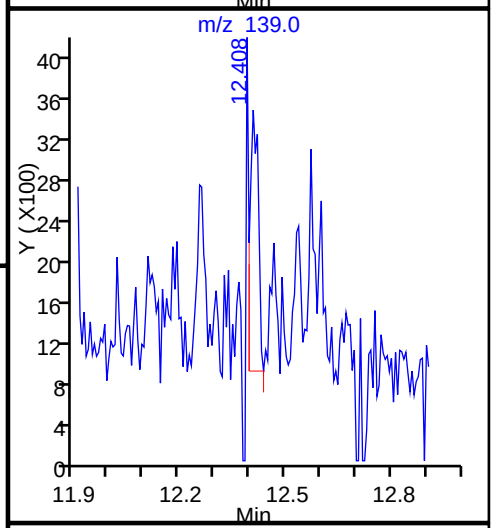


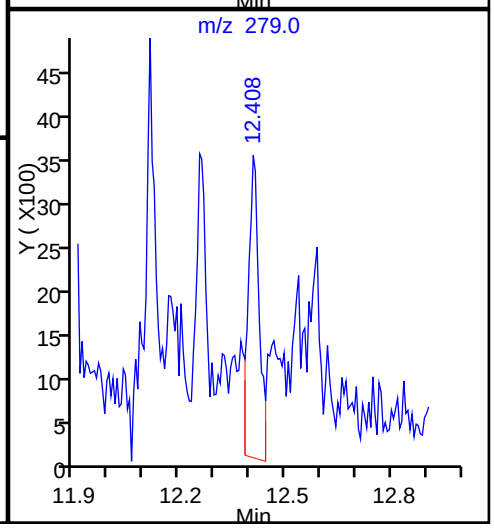










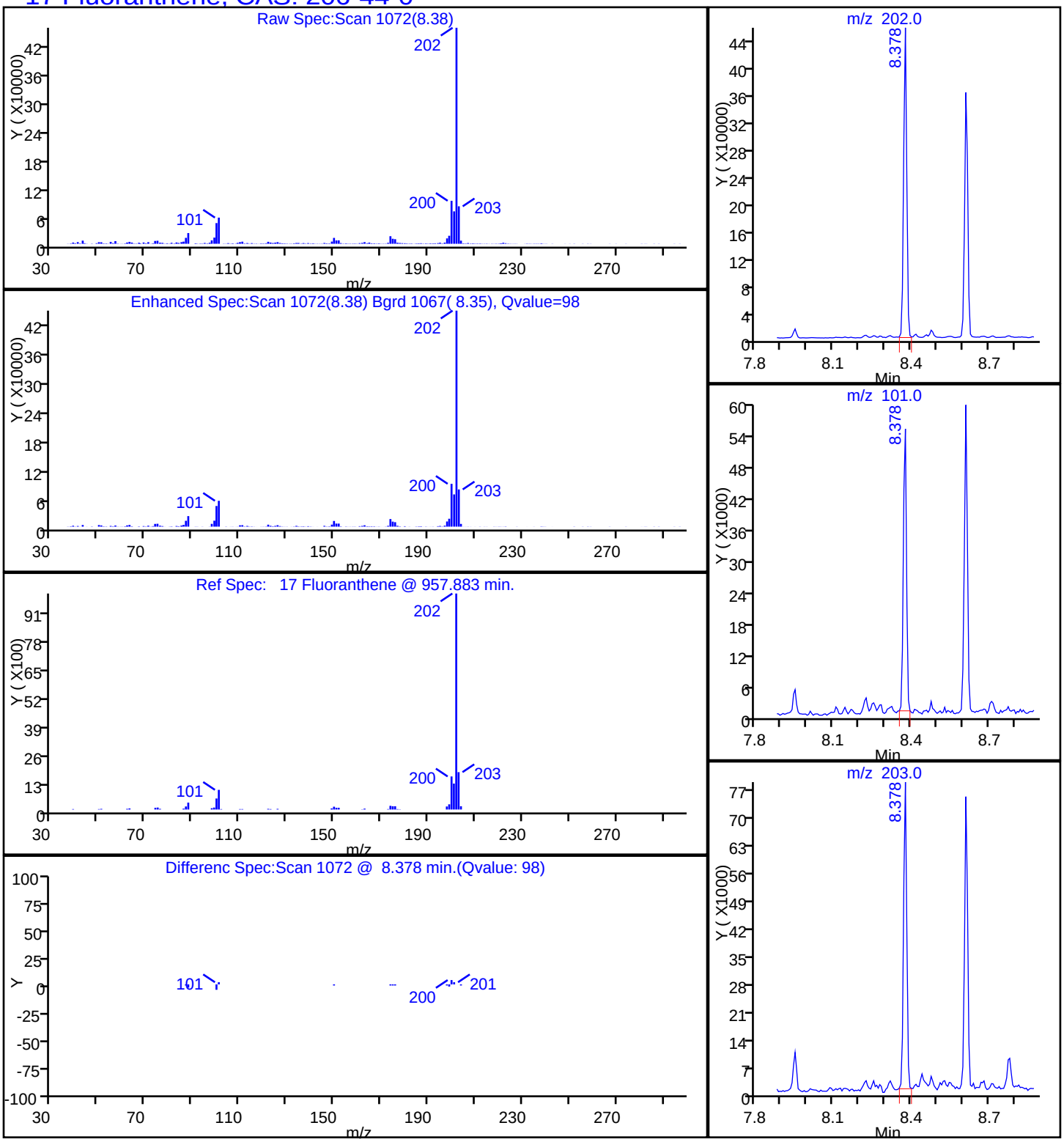


Report Date: 12-Sep-2014 10:30:01 Chrom Revision: 2.2 18-Aug-2014 12:17:36

TestAmerica Savannah

Data File:	\\SAVCHROM\ChromData\CMSK\20140909-12643.b\1KI0912.D				
Injection Date:	09-Sep-2014 13:44:30	Instrument ID:	CMSK		
Lims ID:	680-104968-A-1-A	Lab Sample ID:	680-104968-1		
Client ID:	CV0965C-CS6				
Operator ID:	RM	ALS Bottle#:	12	Worklist Smp#:	12
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

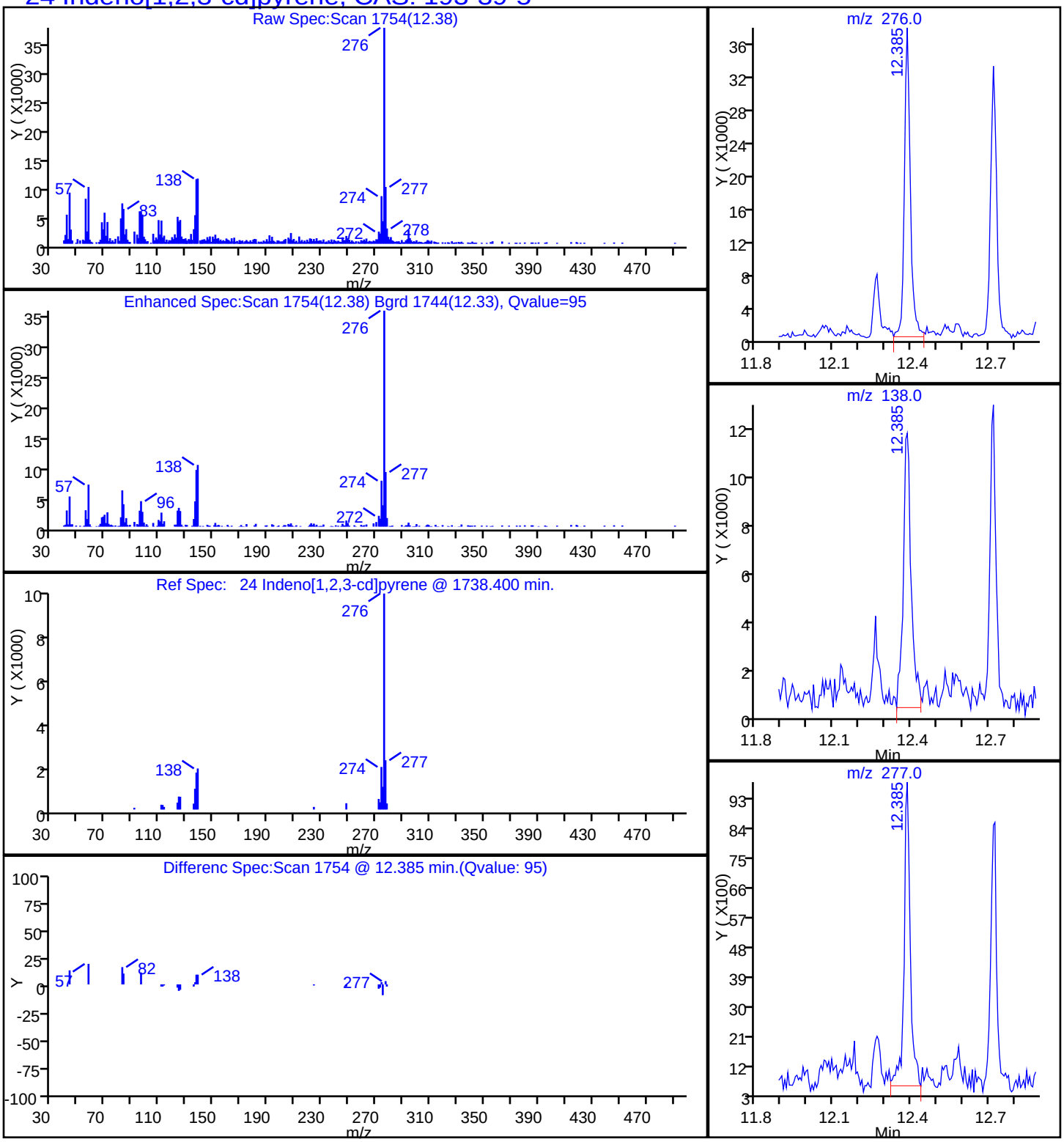


Report Date: 12-Sep-2014 10:30:02 Chrom Revision: 2.2 18-Aug-2014 12:17:36

TestAmerica Savannah

Data File:	\\SAVCHROM\ChromData\CMSK\20140909-12643.b\1KI0912.D				
Injection Date:	09-Sep-2014 13:44:30	Instrument ID:	CMSK		
Lims ID:	680-104968-A-1-A	Lab Sample ID:	680-104968-1		
Client ID:	CV0965C-CS6				
Operator ID:	RM	ALS Bottle#:	12	Worklist Smp#:	12
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

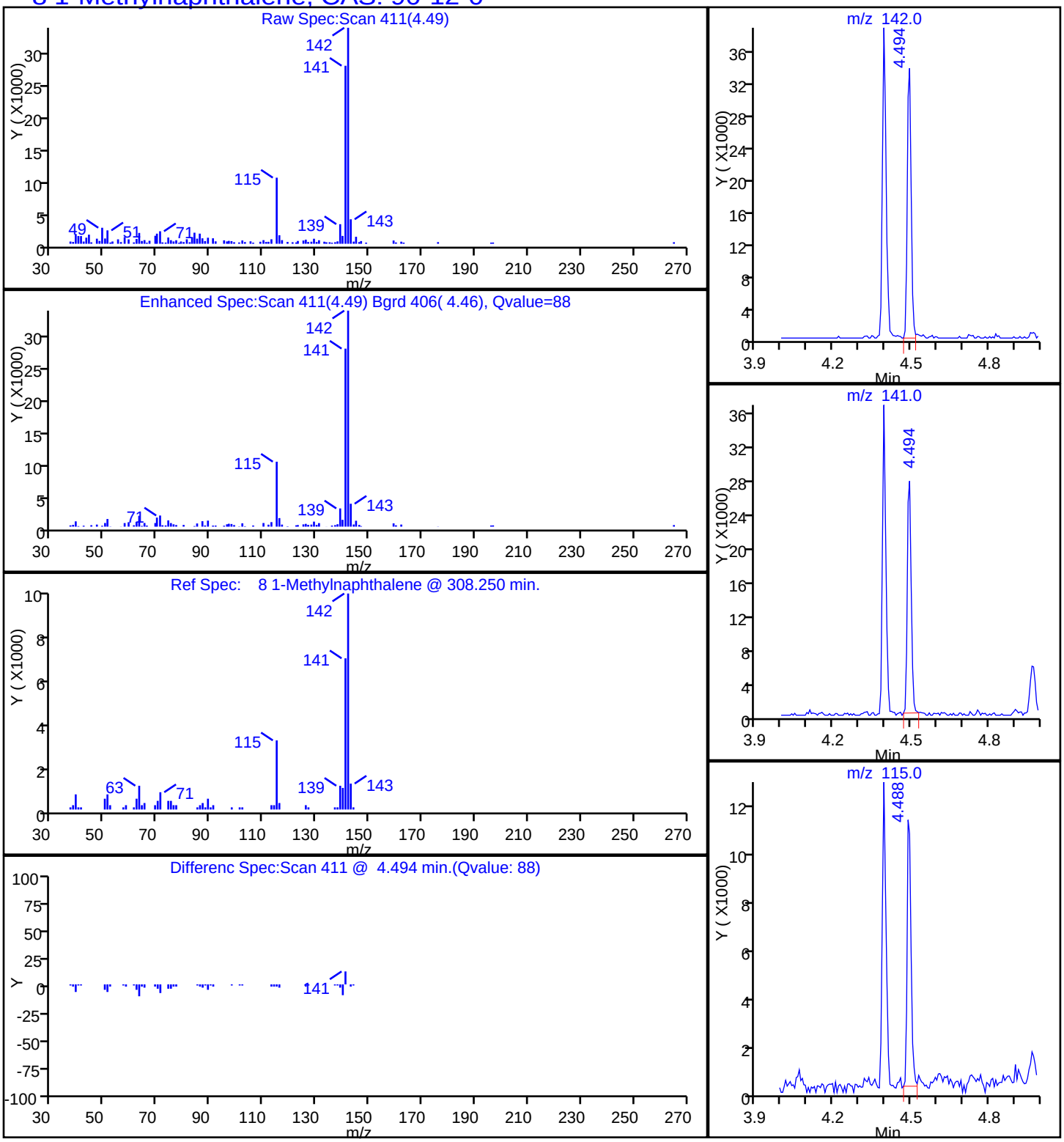


Report Date: 12-Sep-2014 10:30:01 Chrom Revision: 2.2 18-Aug-2014 12:17:36

TestAmerica Savannah

Data File:	\\SAVCHROM\ChromData\CMSK\20140909-12643.b\1KI0912.D				
Injection Date:	09-Sep-2014 13:44:30	Instrument ID:	CMSK		
Lims ID:	680-104968-A-1-A	Lab Sample ID:	680-104968-1		
Client ID:	CV0965C-CS6				
Operator ID:	RM	ALS Bottle#:	12	Worklist Smp#:	12
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		

8 1-Methylnaphthalene, CAS: 90-12-0

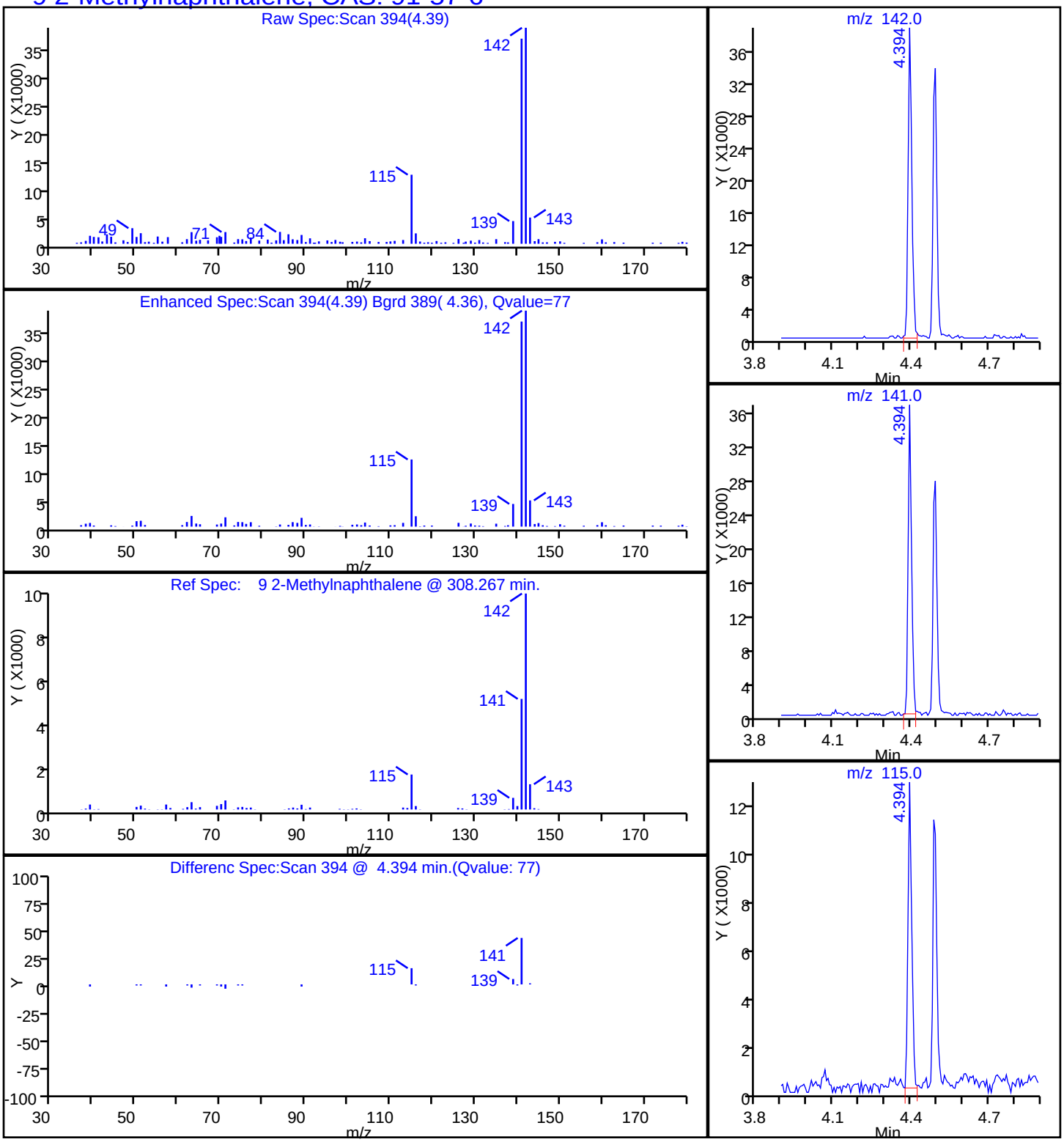


Report Date: 12-Sep-2014 10:30:01 Chrom Revision: 2.2 18-Aug-2014 12:17:36

TestAmerica Savannah

Data File:	\\SAVCHROM\ChromData\CMSK\20140909-12643.b\1KI0912.D				
Injection Date:	09-Sep-2014 13:44:30	Instrument ID:	CMSK		
Lims ID:	680-104968-A-1-A	Lab Sample ID:	680-104968-1		
Client ID:	CV0965C-CS6				
Operator ID:	RM	ALS Bottle#:	12	Worklist Smp#:	12
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

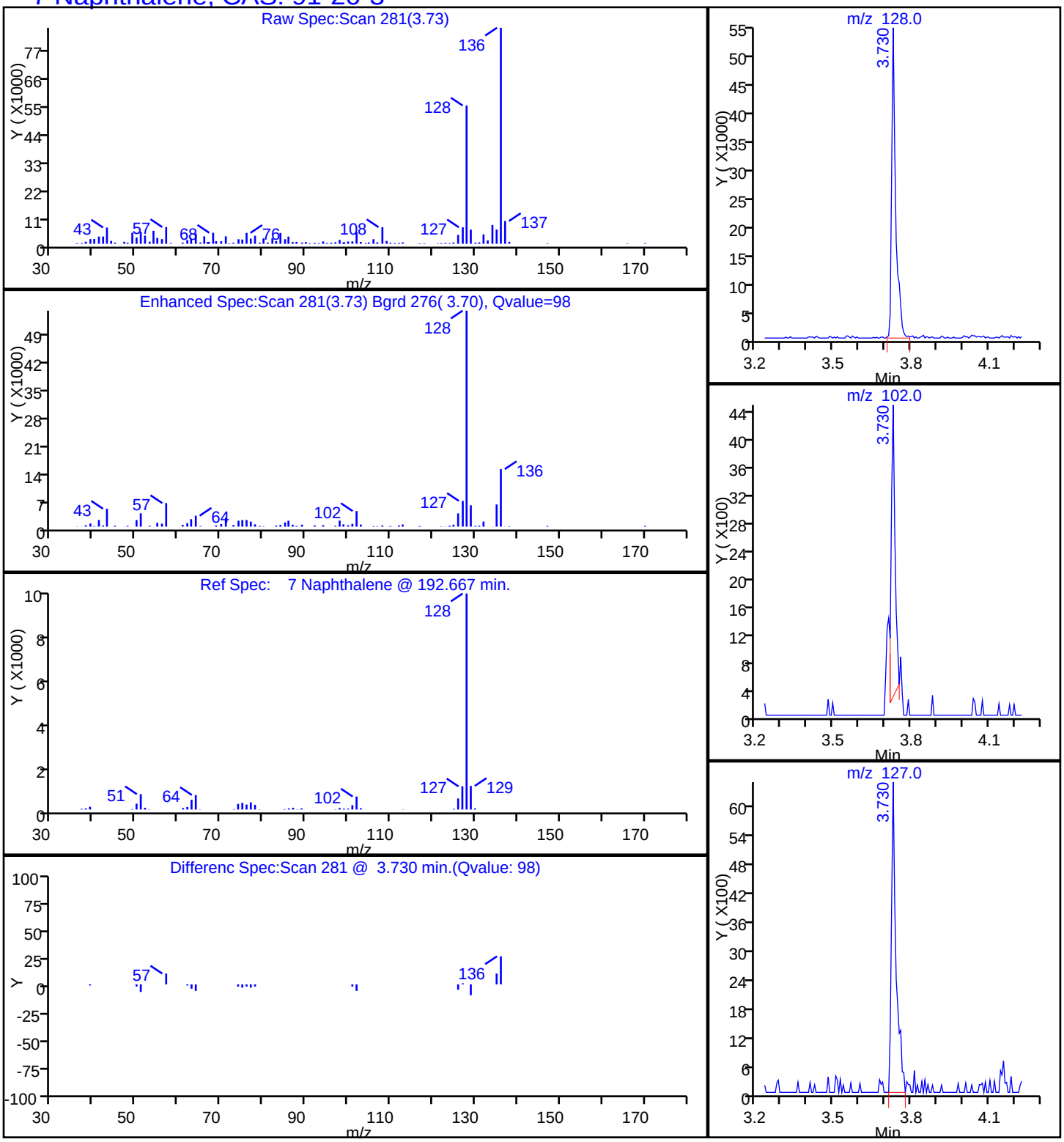


Report Date: 12-Sep-2014 10:30:01 Chrom Revision: 2.2 18-Aug-2014 12:17:36

TestAmerica Savannah

Data File:	\\SAVCHROM\ChromData\CMSK\20140909-12643.b\1KI0912.D				
Injection Date:	09-Sep-2014 13:44:30	Instrument ID:	CMSK		
Lims ID:	680-104968-A-1-A	Lab Sample ID:	680-104968-1		
Client ID:	CV0965C-CS6				
Operator ID:	RM	ALS Bottle#:	12	Worklist Smp#:	12
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

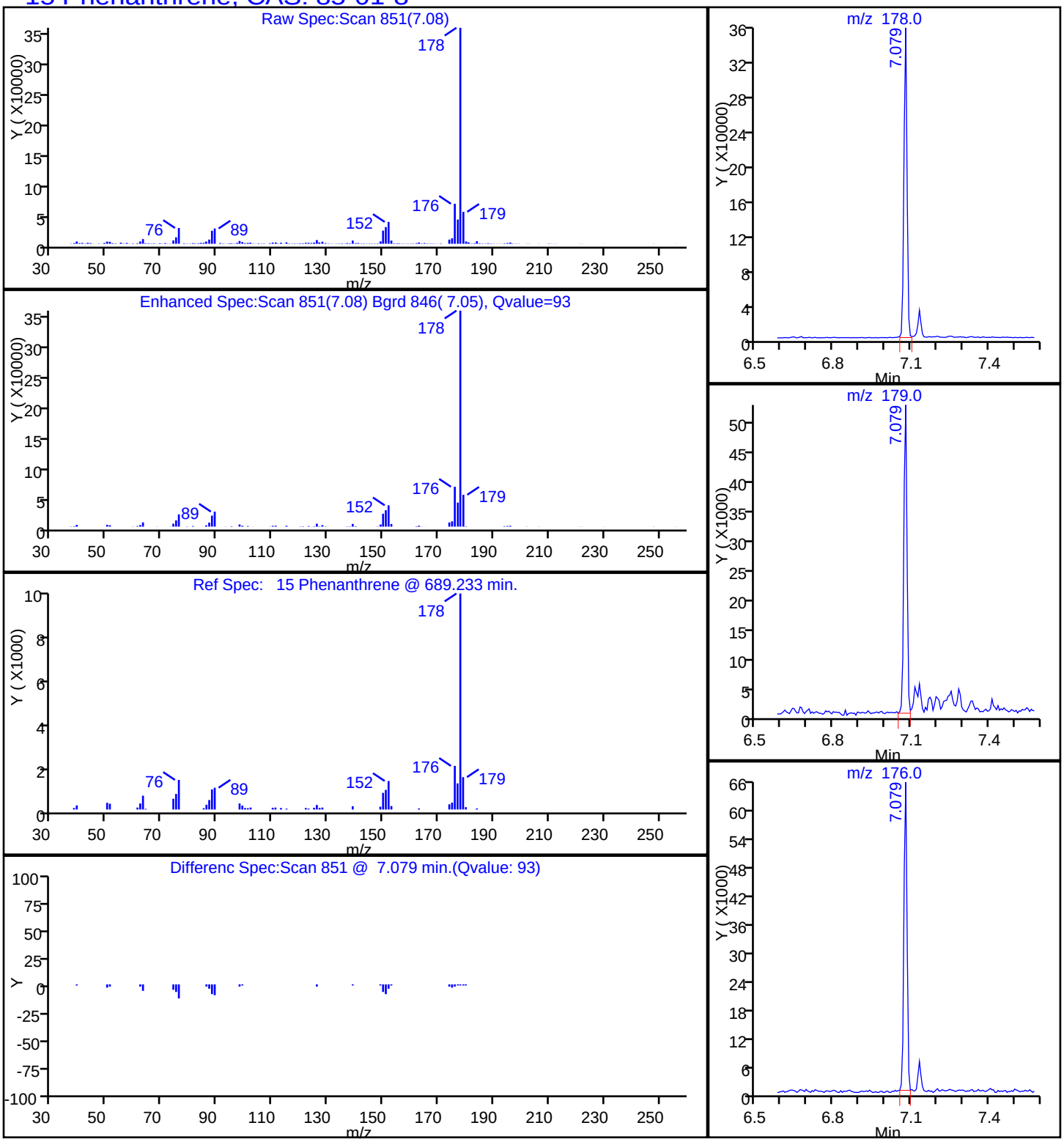


Report Date: 12-Sep-2014 10:30:01 Chrom Revision: 2.2 18-Aug-2014 12:17:36

TestAmerica Savannah

Data File:	\\SAVCHROM\ChromData\CMSK\20140909-12643.b\1KI0912.D				
Injection Date:	09-Sep-2014 13:44:30	Instrument ID:	CMSK		
Lims ID:	680-104968-A-1-A	Lab Sample ID:	680-104968-1		
Client ID:	CV0965C-CS6				
Operator ID:	RM	ALS Bottle#:	12	Worklist Smp#:	12
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

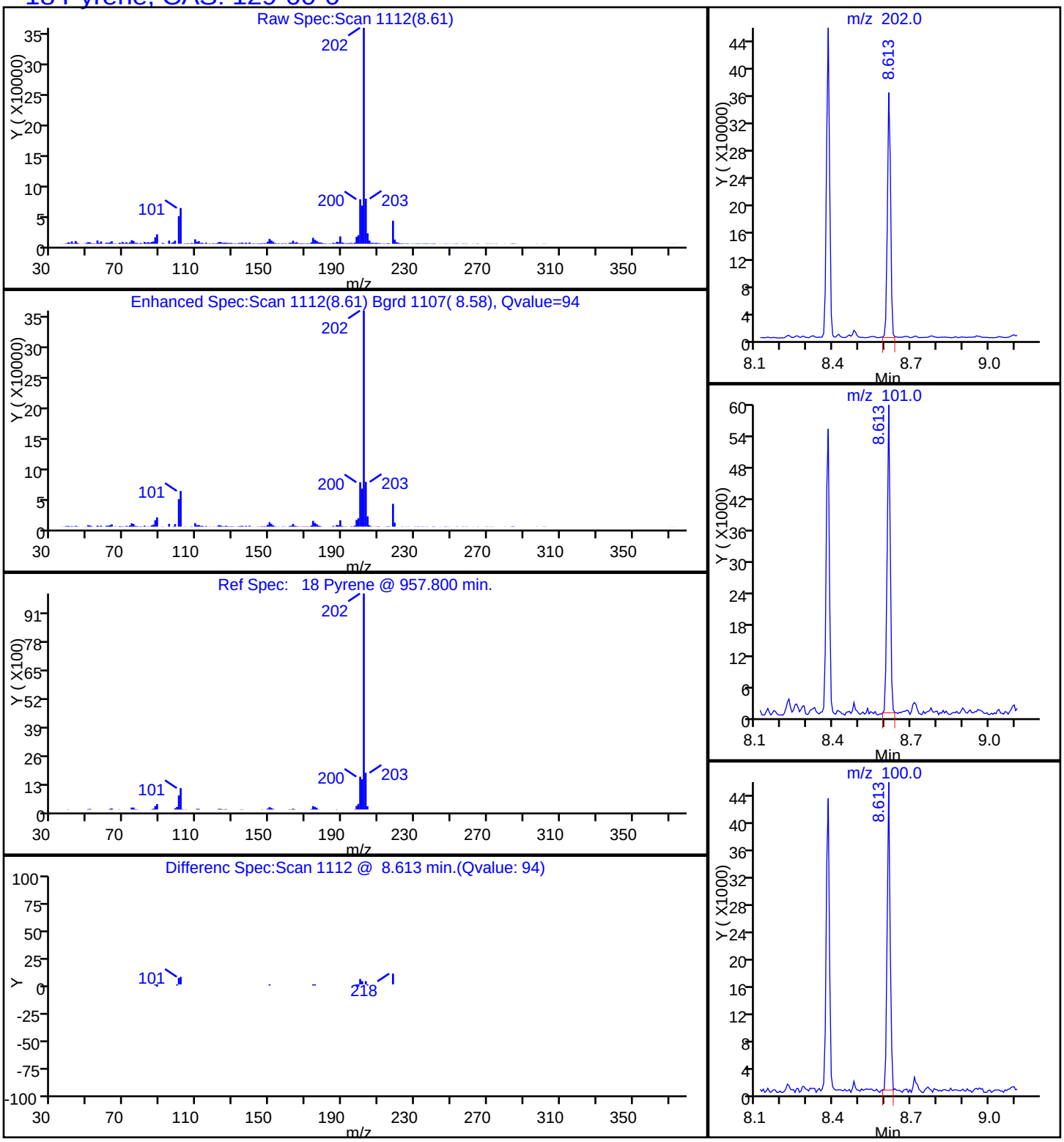


Report Date: 12-Sep-2014 10:30:02 Chrom Revision: 2.2 18-Aug-2014 12:17:36

TestAmerica Savannah

Data File:	\\SAVCHROM\ChromData\CMSK\20140909-12643.b\1KI0912.D				
Injection Date:	09-Sep-2014 13:44:30	Instrument ID:	CMSK		
Lims ID:	680-104968-A-1-A	Lab Sample ID:	680-104968-1		
Client ID:	CV0965C-CS6				
Operator ID:	RM	ALS Bottle#:	12	Worklist Smp#:	12
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

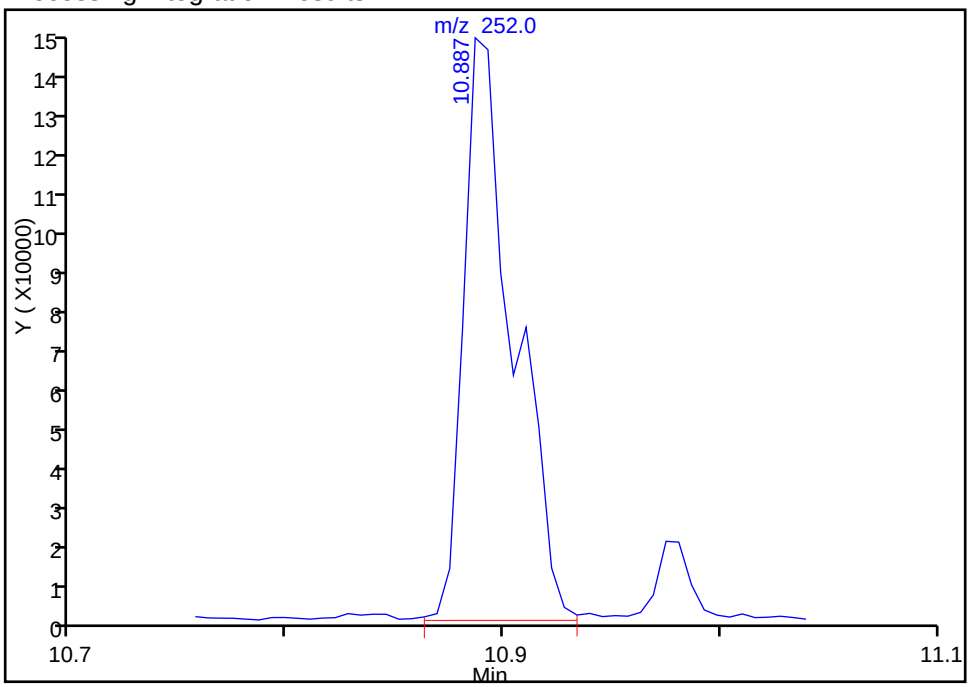
TestAmerica Savannah

Data File:	\\SAVCHROM\ChromData\CMSK\20140909-12643.b\1KI0912.D				
Injection Date:	09-Sep-2014 13:44:30	Instrument ID:	CMSK		
Lims ID:	680-104968-A-1-A	Lab Sample ID:	680-104968-1		
Client ID:	CV0965C-CS6				
Operator ID:	RM	ALS Bottle#:	12	Worklist Smp#:	12
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

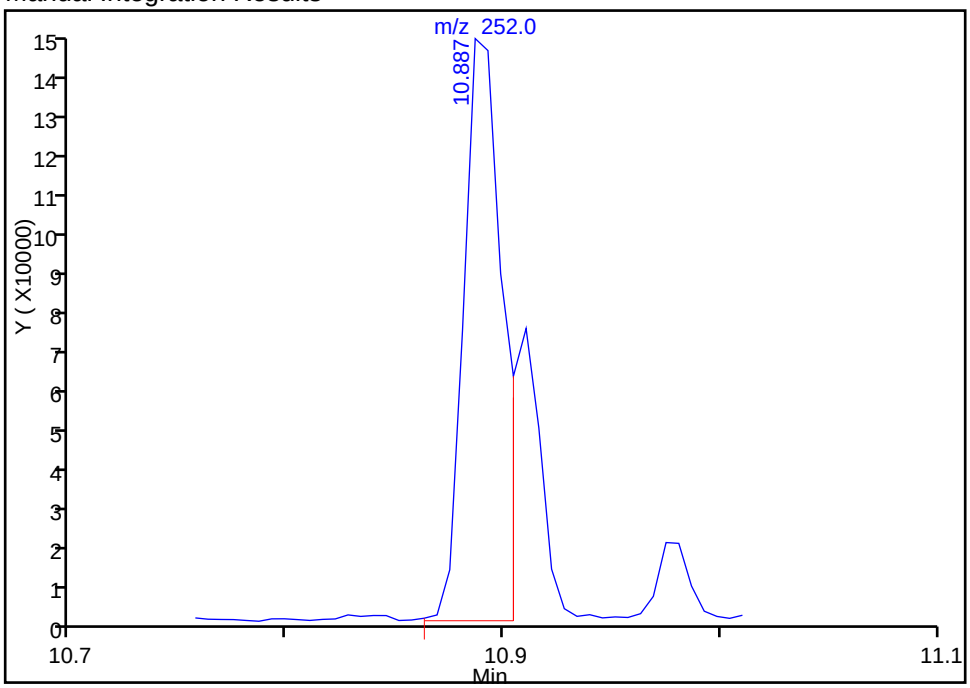
Processing Integration Results

RT: 10.89
Response: 229287
Amount: 1.766713



Manual Integration Results

RT: 10.89
Response: 180543
Amount: 1.391129



Reviewer: webbk, 09-Sep-2014 14:06:50
Audit Action: Manually Integrated
Audit Reason: Split Peak

Manual Integration/User Assign Peak Report

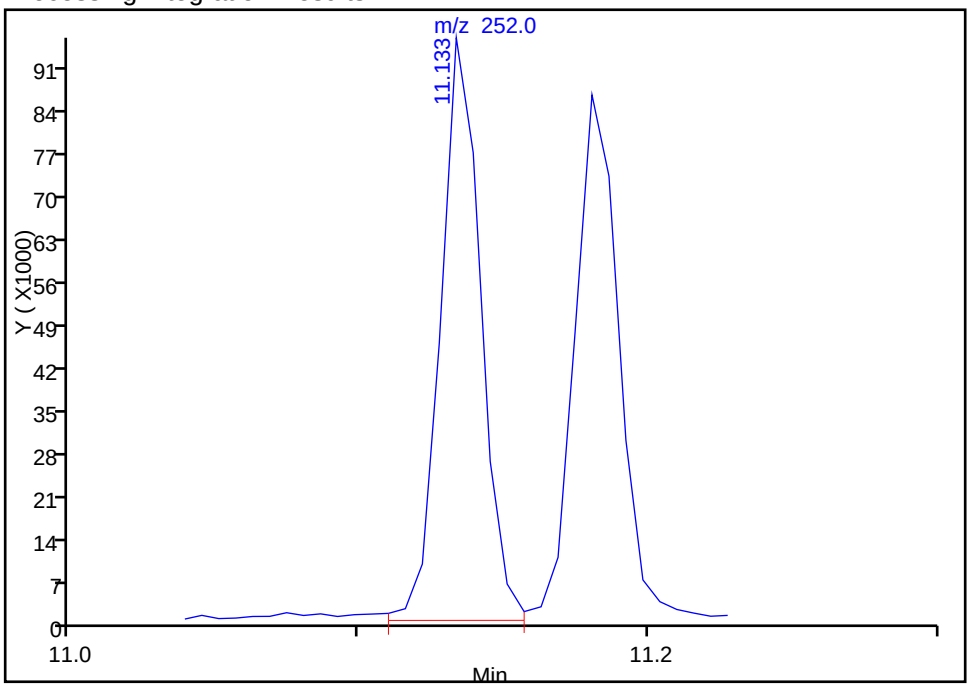
TestAmerica Savannah

Data File:	\\SAVCHROM\ChromData\CMSK\20140909-12643.b\1KI0912.D				
Injection Date:	09-Sep-2014 13:44:30	Instrument ID:	CMSK		
Lims ID:	680-104968-A-1-A	Lab Sample ID:	680-104968-1		
Client ID:	CV0965C-CS6				
Operator ID:	RM	ALS Bottle#:	12	Worklist Smp#:	12
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

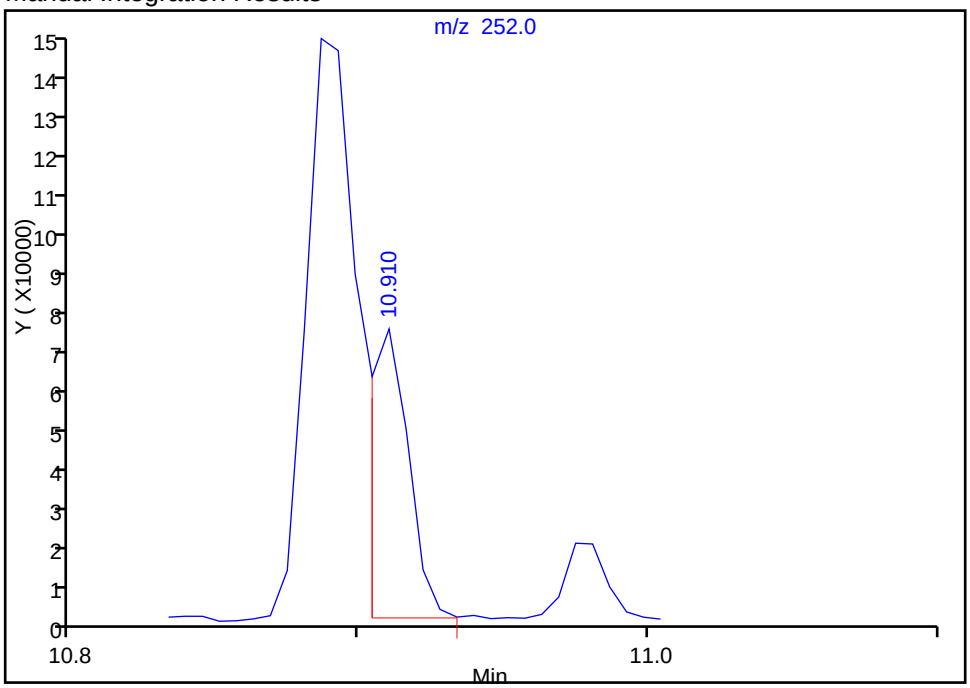
Processing Integration Results

RT: 11.13
Response: 91633
Amount: 0.700525



Manual Integration Results

RT: 10.91
Response: 66955
Amount: 0.511864



Reviewer: webbk, 09-Sep-2014 14:06:50
Audit Action: Manually Integrated
Audit Reason: Split Peak

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Savannah
Job No.: 680-104968-1
SDG No.: 680-104968-01
Client Sample ID: CV0965C-CS12
Lab Sample ID: 680-104968-2
Matrix: Solid
Lab File ID: 1KI0913.D
Analysis Method: 8270D_LL_PAH
Date Collected: 09/03/2014 15:10
Extract. Method: 3546
Date Extracted: 09/06/2014 12:38
Sample wt/vol: 30.01(g)
Date Analyzed: 09/09/2014 14:07
Con. Extract Vol.: 1(mL)
Dilution Factor: 20
Injection Volume: 2(uL)
Level: (low/med) Low
% Moisture: 10.3
GPC Cleanup:(Y/N) N
Analysis Batch No.: 347967
Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
83-32-9	Acenaphthene	150	U	150	74
208-96-8	Acenaphthylene	150	U	150	74
120-12-7	Anthracene	150	U	150	74
56-55-3	Benzo[a]anthracene	240		150	74
50-32-8	Benzo[a]pyrene	190		150	27
205-99-2	Benzo[b]fluoranthene	320		150	74
191-24-2	Benzo[g,h,i]perylene	120	J	150	74
207-08-9	Benzo[k]fluoranthene	120	J	150	45
218-01-9	Chrysene	360		150	74
53-70-3	Dibenz(a,h)anthracene	150	U	150	74
206-44-0	Fluoranthene	460		150	74
86-73-7	Fluorene	150	U	150	74
193-39-5	Indeno[1,2,3-cd]pyrene	92	J	150	74
90-12-0	1-Methylnaphthalene	180		150	69
91-57-6	2-Methylnaphthalene	180		150	74
91-20-3	Naphthalene	130	J	150	74
85-01-8	Phenanthrene	340		150	54
129-00-0	Pyrene	360		150	74

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\20140909-12643.b\1KI0913.D				
Lims ID:	680-104968-A-2-A	Lab Sample ID:	680-104968-2		
Client ID:	CV0965C-CS12				
Sample Type:	Client				
Inject. Date:	09-Sep-2014 14:07:30	ALS Bottle#:	13	Worklist Smp#:	13
Injection Vol:	2.0 ul	Dil. Factor:	20.0000		
Sample Info:	680-104968-A-2-A				
Misc. Info.:	680-0012643-013				
Operator ID:	RM	Instrument ID:	CMSK		
Method:	\\SAVCHROM\ChromData\CMSK\20140909-12643.b\8270_LLPAH_CMSK.m				
Limit Group:	8270D_LL_PAH				
Last Update:	12-Sep-2014 10:29:51	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:	XAWRK027				

First Level Reviewer: webbk Date: 09-Sep-2014 14:43:07

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/ml	Flags
* 1 Naphthalene-d8	136	3.712	3.713	-0.001	98	507900	2.00	
* 2 Acenaphthene-d10	164	5.463	5.464	-0.001	91	247725	2.00	
* 3 Phenanthrene-d10	188	7.056	7.056	0.000	98	337347	2.00	
* 4 Chrysene-d12	240	9.882	9.882	0.000	97	251723	2.00	
* 5 Perylene-d12	264	11.239	11.239	0.000	96	206275	2.00	
7 Naphthalene	128	3.730	3.730	0.000	97	44850	0.1687	
9 2-Methylnaphthalene	142	4.394	4.394	0.000	86	37986	0.2448	
8 1-Methylnaphthalene	142	4.494	4.494	0.000	82	35283	0.2425	
15 Phenanthrene	178	7.079	7.079	0.000	82	87559	0.4515	
16 Anthracene	178	7.132	7.132	0.000	93	11083	0.0625	
17 Fluoranthene	202	8.378	8.378	0.000	98	109767	0.6243	
18 Pyrene	202	8.613	8.613	0.000	95	93871	0.4820	
19 Benzo[a]anthracene	228	9.870	9.870	0.000	73	42078	0.3200	
20 Chrysene	228	9.905	9.906	-0.001	88	61493	0.4865	
21 Benzo[b]fluoranthene	252	10.887	10.893	-0.006	88	54361	0.4330	
22 Benzo[k]fluoranthene	252	10.910	10.916	-0.006	93	21183	0.1674	M
23 Benzo[a]pyrene	252	11.180	11.186	-0.006	93	27920	0.2503	
24 Indeno[1,2,3-cd]pyrene	276	12.385	12.391	-0.006	92	17163	0.1234	
26 Benzo[g,h,i]perylene	276	12.720	12.726	-0.006	76	18067	0.1605	

QC Flag Legend

Review Flags

M - Manually Integrated

Reagents:

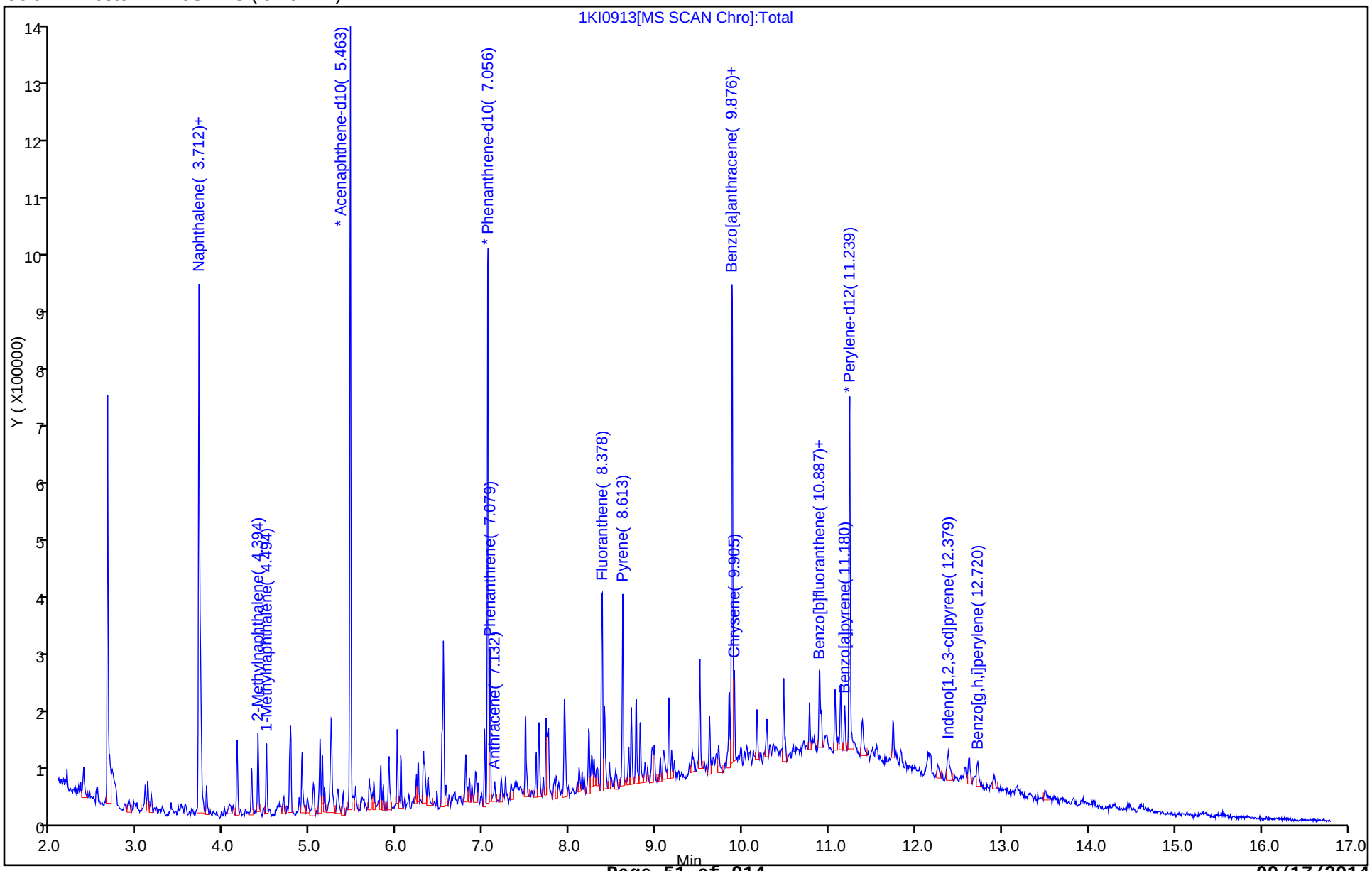
SM-LLISTD_00106 Amount Added: 10.00 Units: uL Run Reagent

Report Date: 12-Sep-2014 10:30:04 Chrom Revision: 2.2 18-Aug-2014 12:17:36

TestAmerica Savannah

Data File:	\\SAVCHROM\ChromData\CMSK\20140909-12643.b\1KI0913.D				
Injection Date:	09-Sep-2014 14:07:30	Instrument ID:	CMSK	Operator ID:	RM
Lims ID:	680-104968-A-2-A	Lab Sample ID:	680-104968-2	Worklist Smp#:	13
Client ID:	CV0965C-CS12				
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)

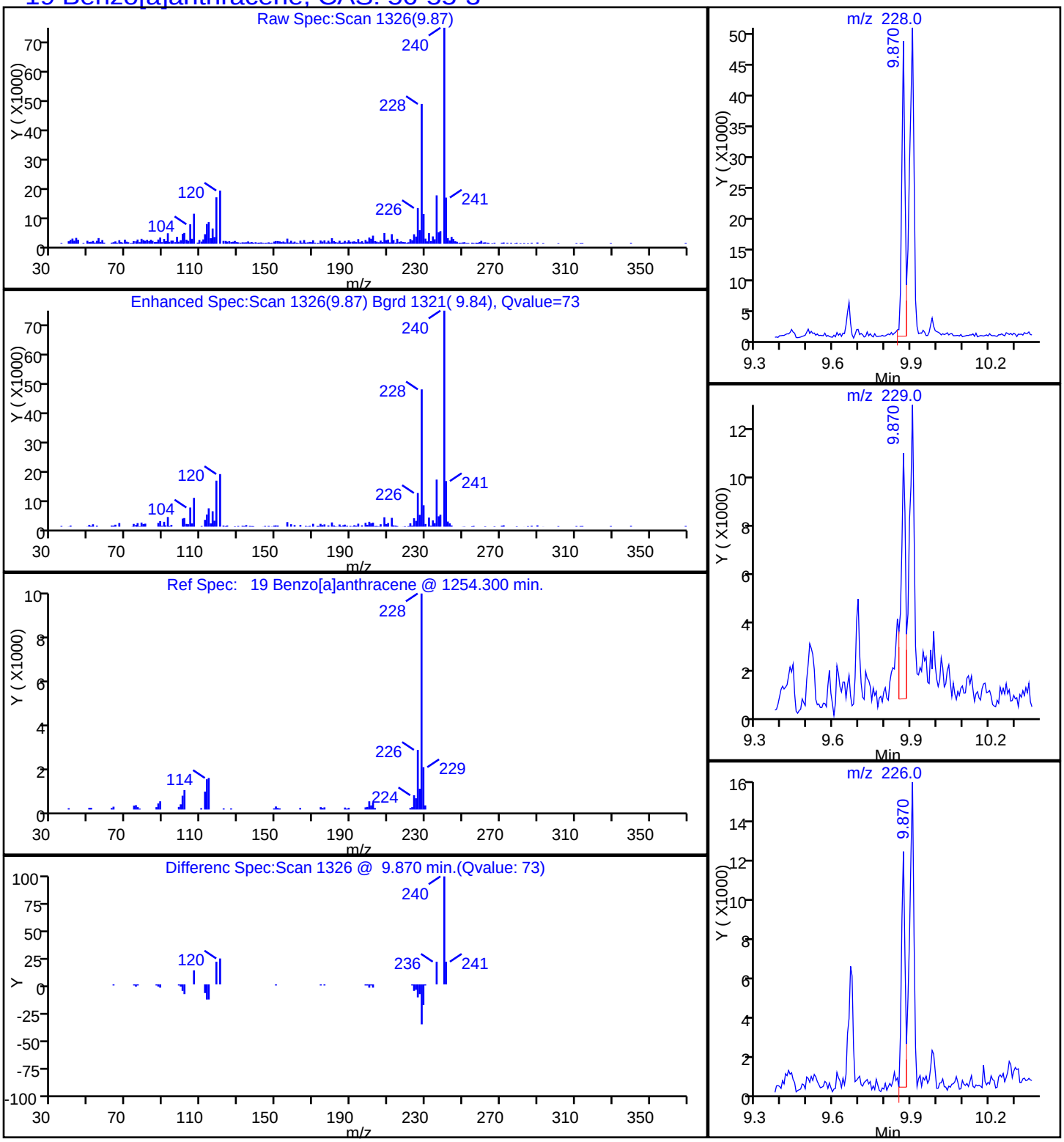


Report Date: 12-Sep-2014 10:30:04 Chrom Revision: 2.2 18-Aug-2014 12:17:36

TestAmerica Savannah

Data File:	\\SAVCHROM\ChromData\CMSK\20140909-12643.b\1KI0913.D				
Injection Date:	09-Sep-2014 14:07:30	Instrument ID:	CMSK		
Lims ID:	680-104968-A-2-A	Lab Sample ID:	680-104968-2		
Client ID:	CV0965C-CS12				
Operator ID:	RM	ALS Bottle#:	13	Worklist Smp#:	13
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

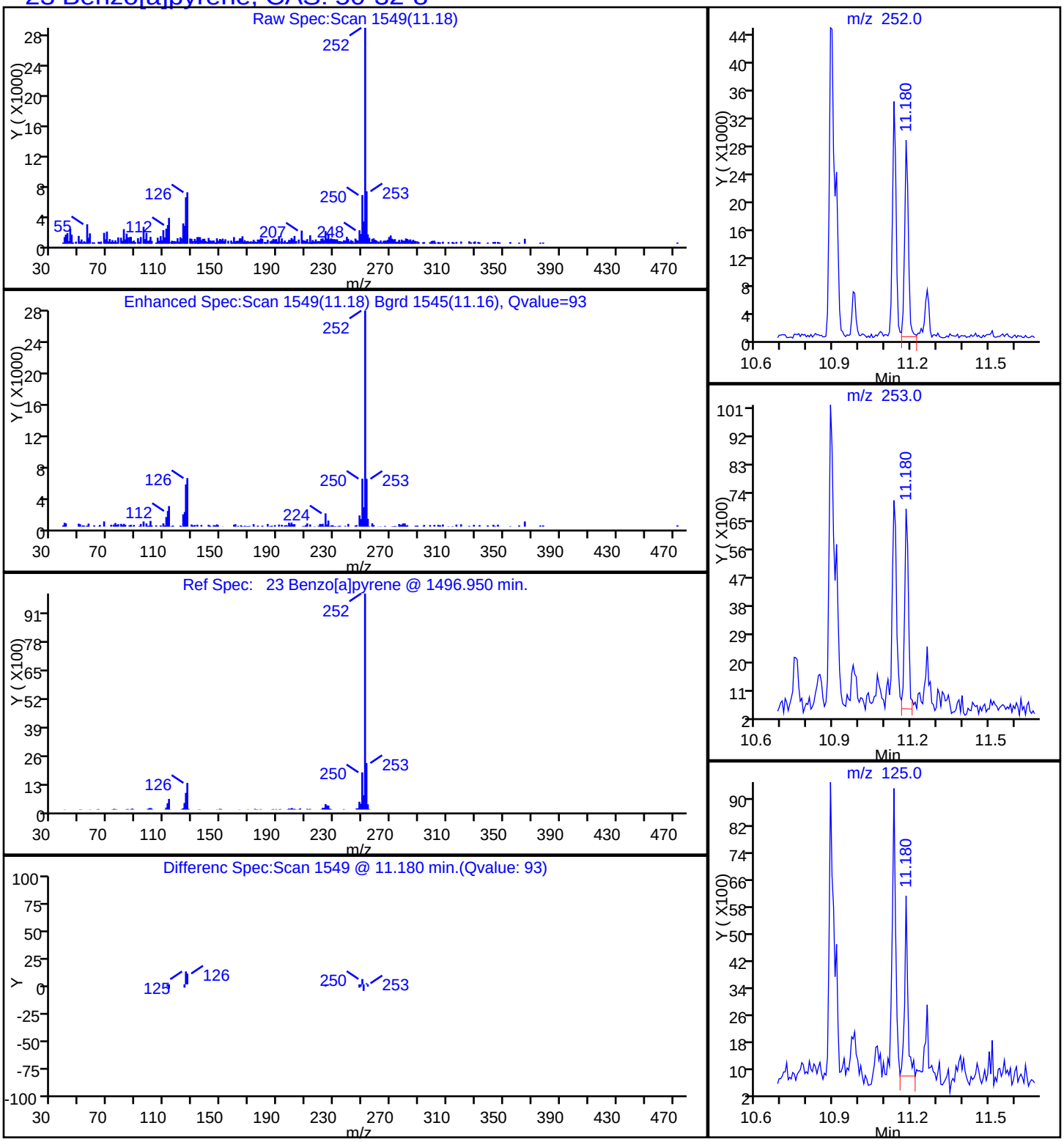


Report Date: 12-Sep-2014 10:30:05 Chrom Revision: 2.2 18-Aug-2014 12:17:36

TestAmerica Savannah

Data File:	\\SAVCHROM\ChromData\CMSK\20140909-12643.b\1KI0913.D				
Injection Date:	09-Sep-2014 14:07:30	Instrument ID:	CMSK		
Lims ID:	680-104968-A-2-A	Lab Sample ID:	680-104968-2		
Client ID:	CV0965C-CS12				
Operator ID:	RM	ALS Bottle#:	13	Worklist Smp#:	13
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

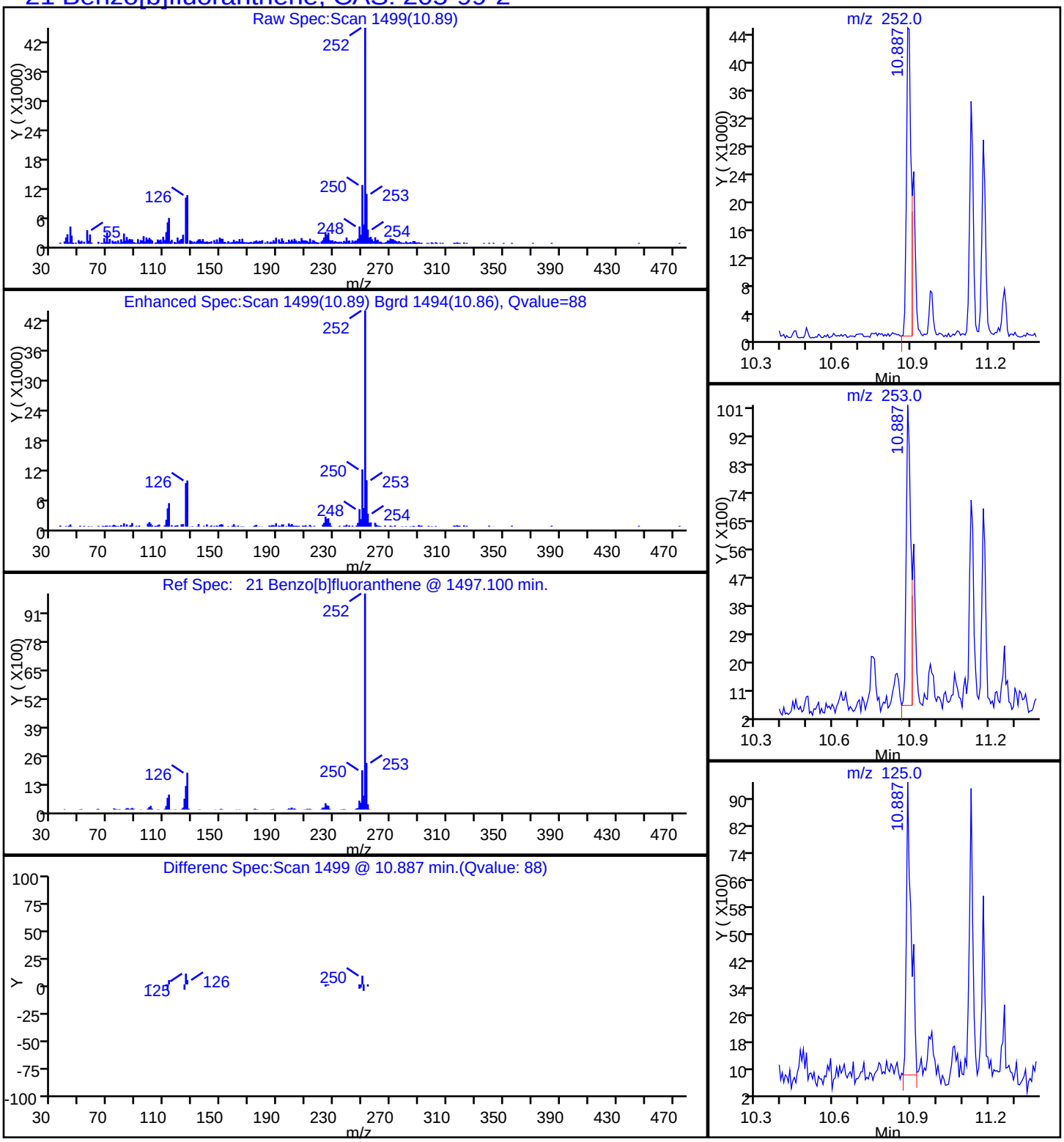


Report Date: 12-Sep-2014 10:30:05 Chrom Revision: 2.2 18-Aug-2014 12:17:36

TestAmerica Savannah

Data File:	\\SAVCHROM\ChromData\CMSK\20140909-12643.b\1KI0913.D				
Injection Date:	09-Sep-2014 14:07:30	Instrument ID:	CMSK		
Lims ID:	680-104968-A-2-A	Lab Sample ID:	680-104968-2		
Client ID:	CV0965C-CS12				
Operator ID:	RM	ALS Bottle#:	13	Worklist Smp#:	13
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

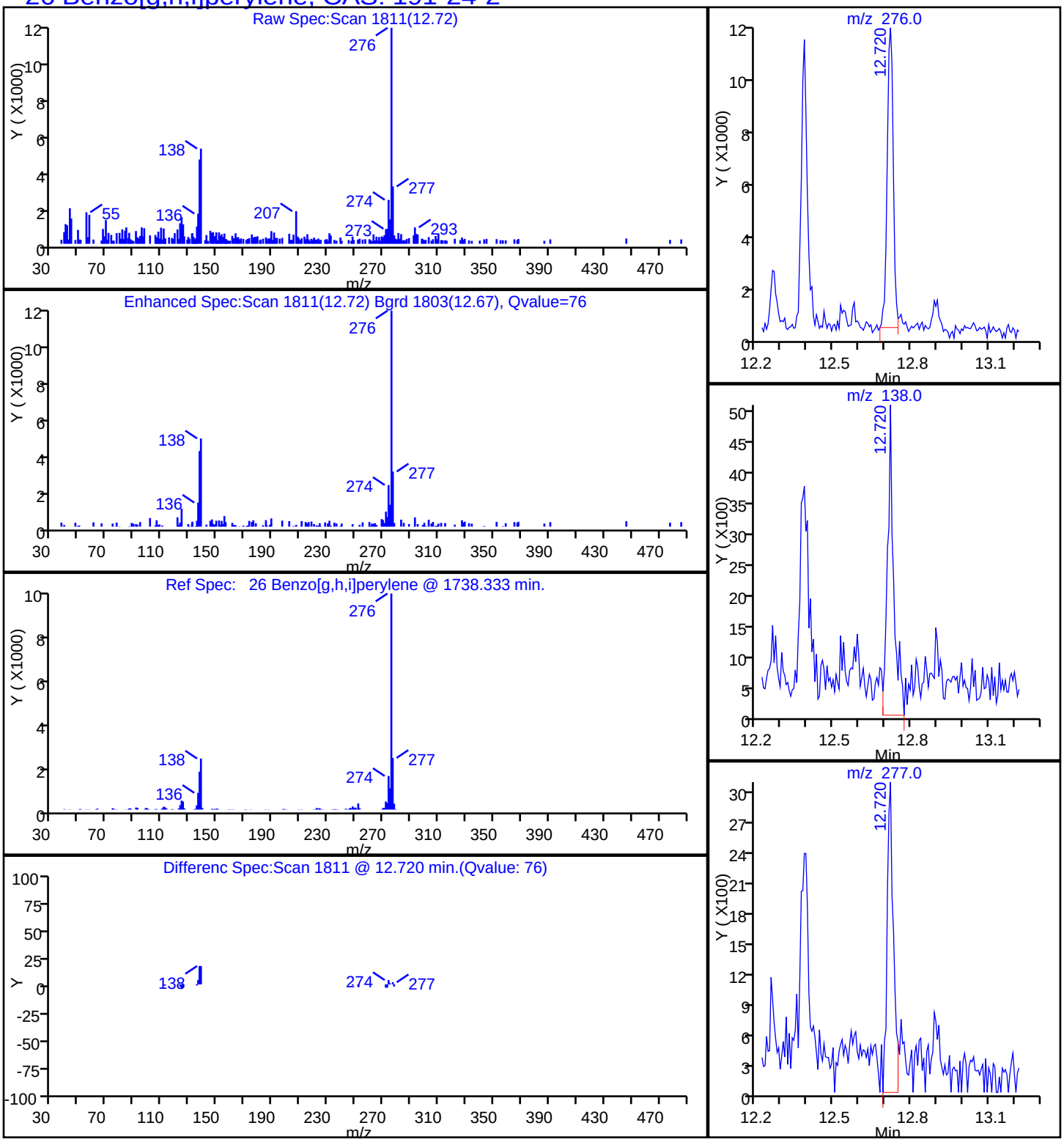


Report Date: 12-Sep-2014 10:30:05 Chrom Revision: 2.2 18-Aug-2014 12:17:36

TestAmerica Savannah

Data File:	\\SAVCHROM\ChromData\CMSK\20140909-12643.b\1KI0913.D				
Injection Date:	09-Sep-2014 14:07:30	Instrument ID:	CMSK		
Lims ID:	680-104968-A-2-A	Lab Sample ID:	680-104968-2		
Client ID:	CV0965C-CS12				
Operator ID:	RM	ALS Bottle#:	13	Worklist Smp#:	13
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

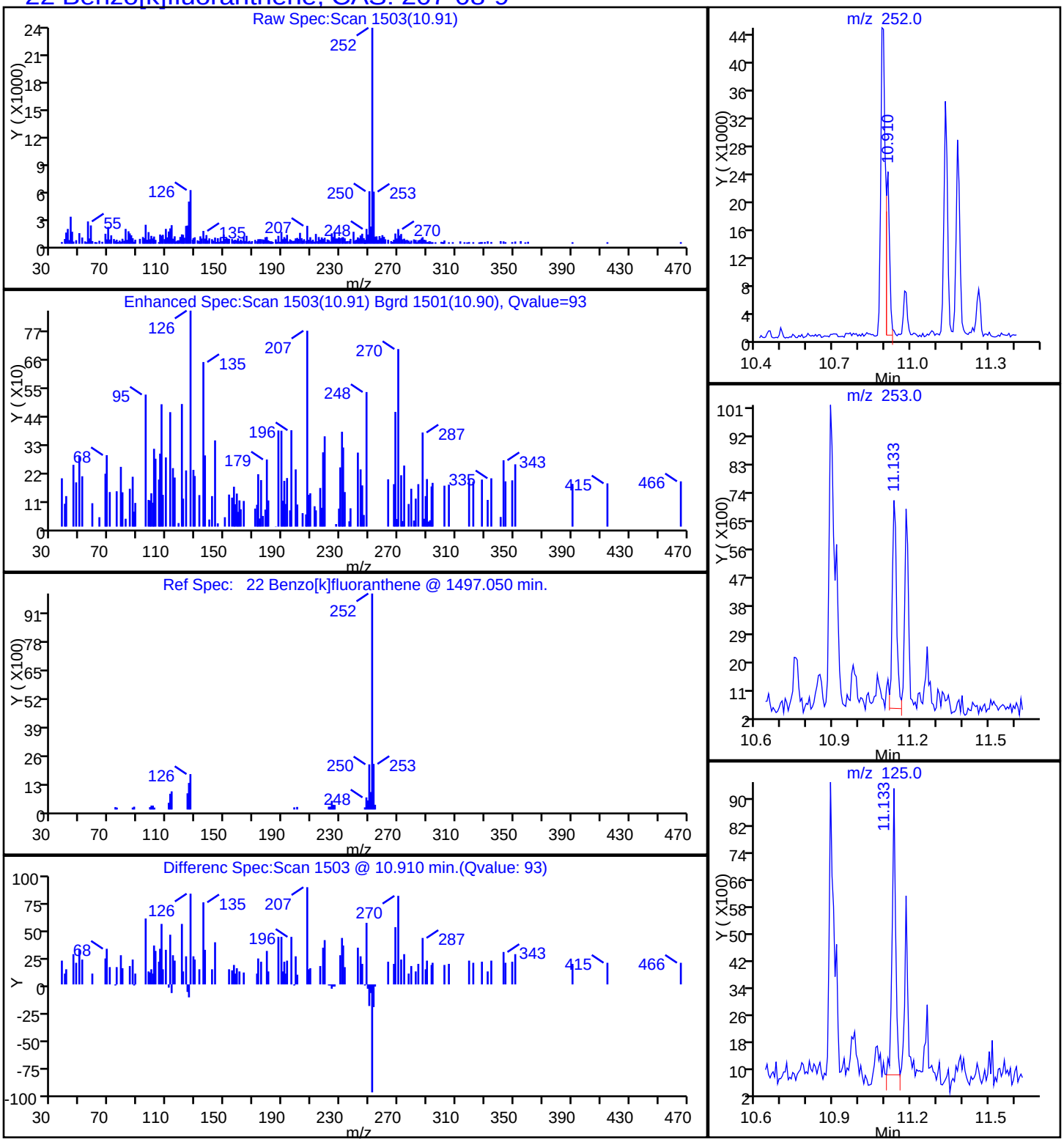


Report Date: 12-Sep-2014 10:30:05 Chrom Revision: 2.2 18-Aug-2014 12:17:36

TestAmerica Savannah

Data File:	\\SAVCHROM\ChromData\CMSK\20140909-12643.b\1KI0913.D				
Injection Date:	09-Sep-2014 14:07:30	Instrument ID:	CMSK		
Lims ID:	680-104968-A-2-A	Lab Sample ID:	680-104968-2		
Client ID:	CV0965C-CS12				
Operator ID:	RM	ALS Bottle#:	13	Worklist Smp#:	13
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

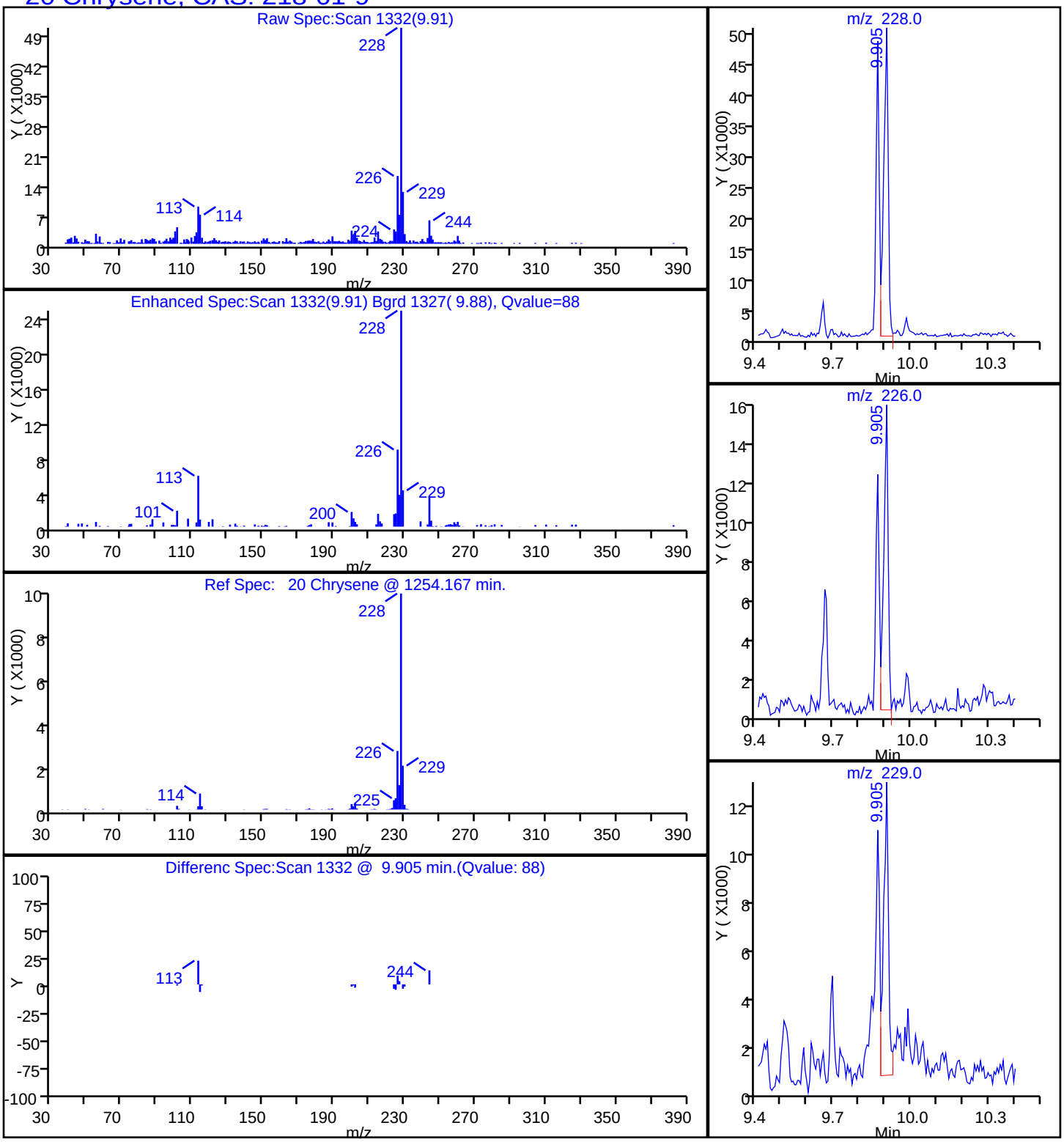


Report Date: 12-Sep-2014 10:30:05 Chrom Revision: 2.2 18-Aug-2014 12:17:36

TestAmerica Savannah

Data File:	\\SAVCHROM\ChromData\CMSK\20140909-12643.b\1KI0913.D				
Injection Date:	09-Sep-2014 14:07:30	Instrument ID:	CMSK		
Lims ID:	680-104968-A-2-A	Lab Sample ID:	680-104968-2		
Client ID:	CV0965C-CS12				
Operator ID:	RM	ALS Bottle#:	13	Worklist Smp#:	13
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

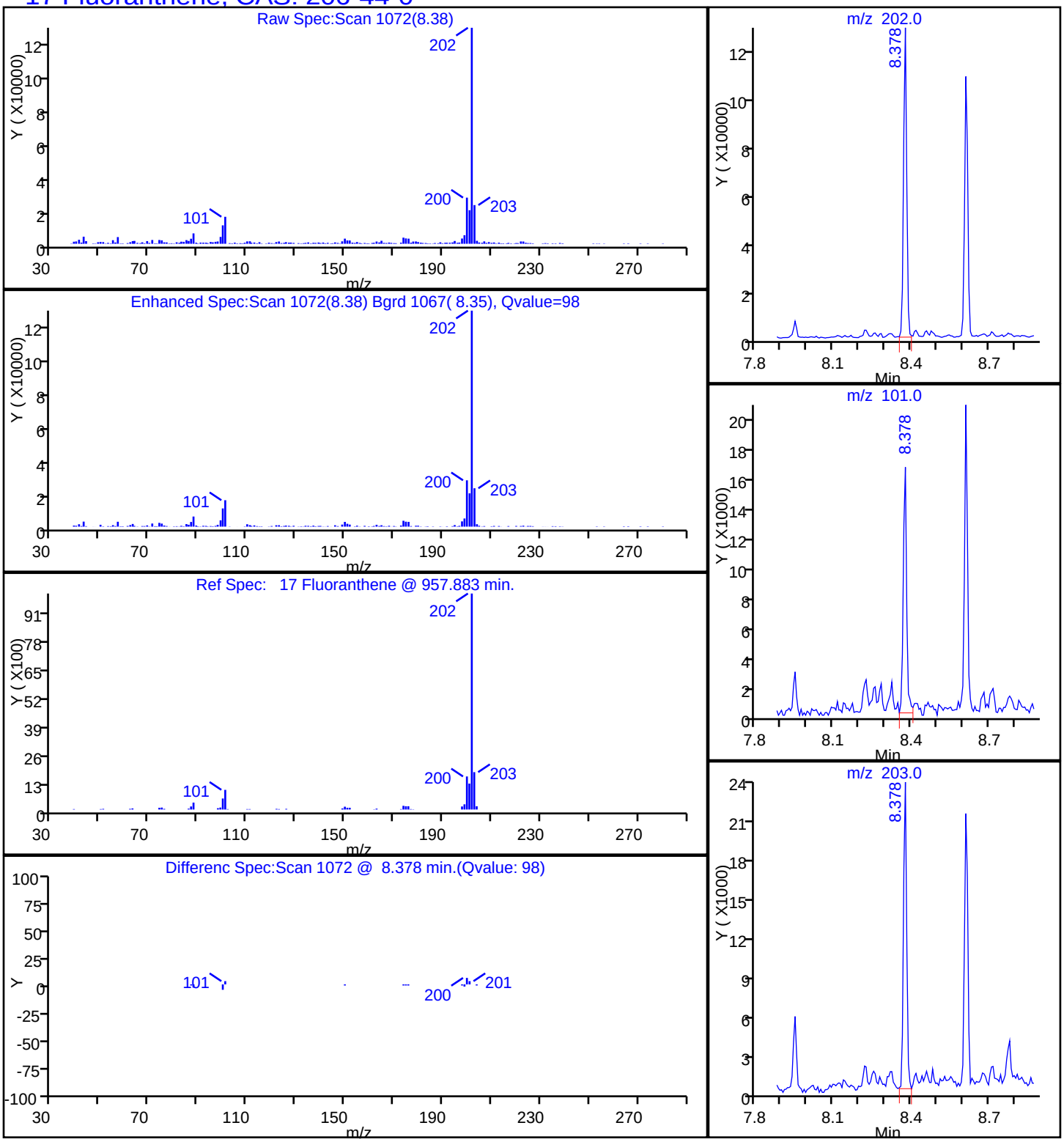


Report Date: 12-Sep-2014 10:30:04 Chrom Revision: 2.2 18-Aug-2014 12:17:36

TestAmerica Savannah

Data File:	\\SAVCHROM\ChromData\CMSK\20140909-12643.b\1KI0913.D				
Injection Date:	09-Sep-2014 14:07:30	Instrument ID:	CMSK		
Lims ID:	680-104968-A-2-A	Lab Sample ID:	680-104968-2		
Client ID:	CV0965C-CS12				
Operator ID:	RM	ALS Bottle#:	13	Worklist Smp#:	13
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

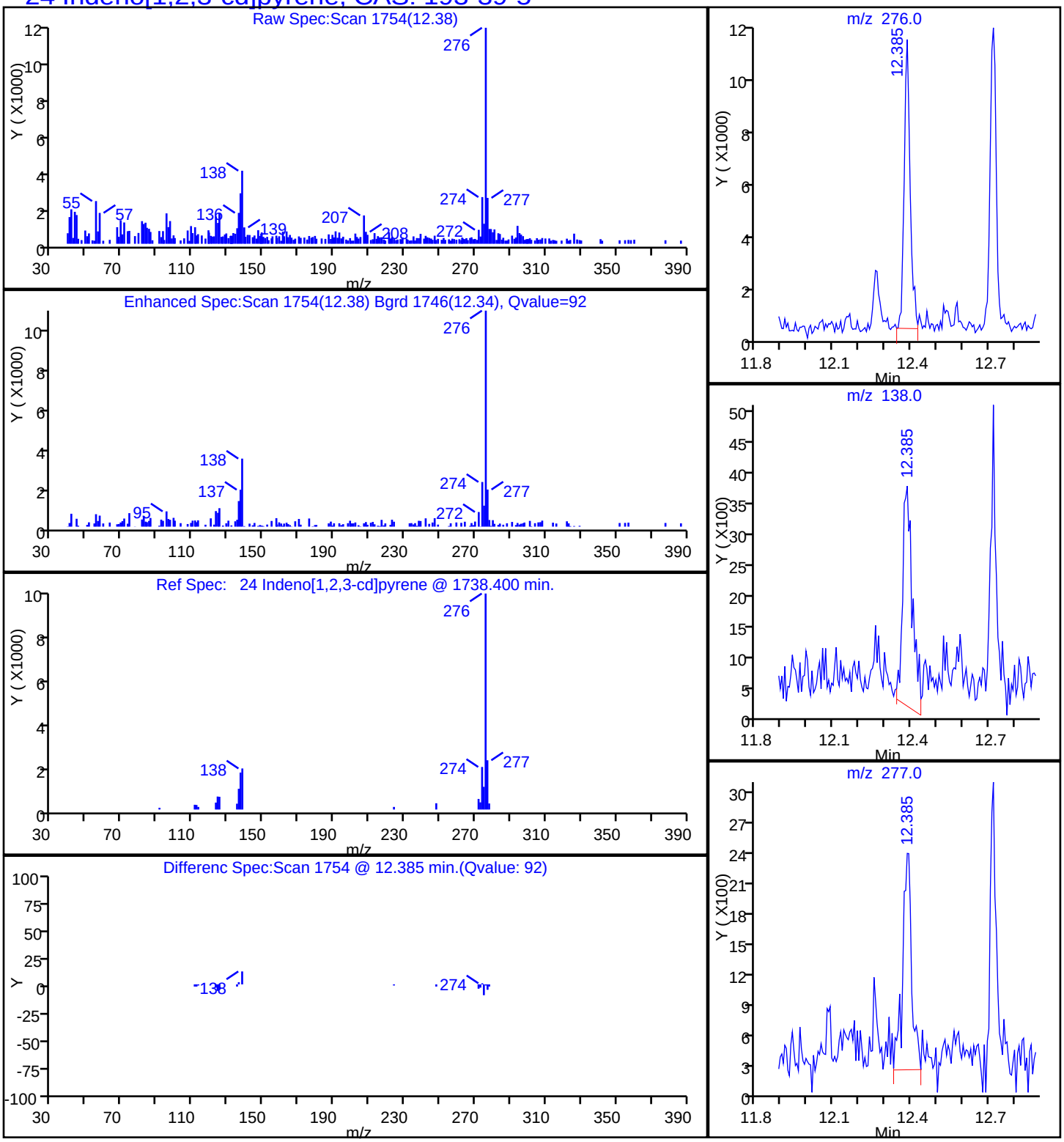


Report Date: 12-Sep-2014 10:30:05 Chrom Revision: 2.2 18-Aug-2014 12:17:36

TestAmerica Savannah

Data File:	\\SAVCHROM\ChromData\CMSK\20140909-12643.b\1KI0913.D				
Injection Date:	09-Sep-2014 14:07:30	Instrument ID:	CMSK		
Lims ID:	680-104968-A-2-A	Lab Sample ID:	680-104968-2		
Client ID:	CV0965C-CS12				
Operator ID:	RM	ALS Bottle#:	13	Worklist Smp#:	13
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: 12-Sep-2014 10:30:04 Chrom Revision: 2.2 18-Aug-2014 12:17:36

TestAmerica Savannah

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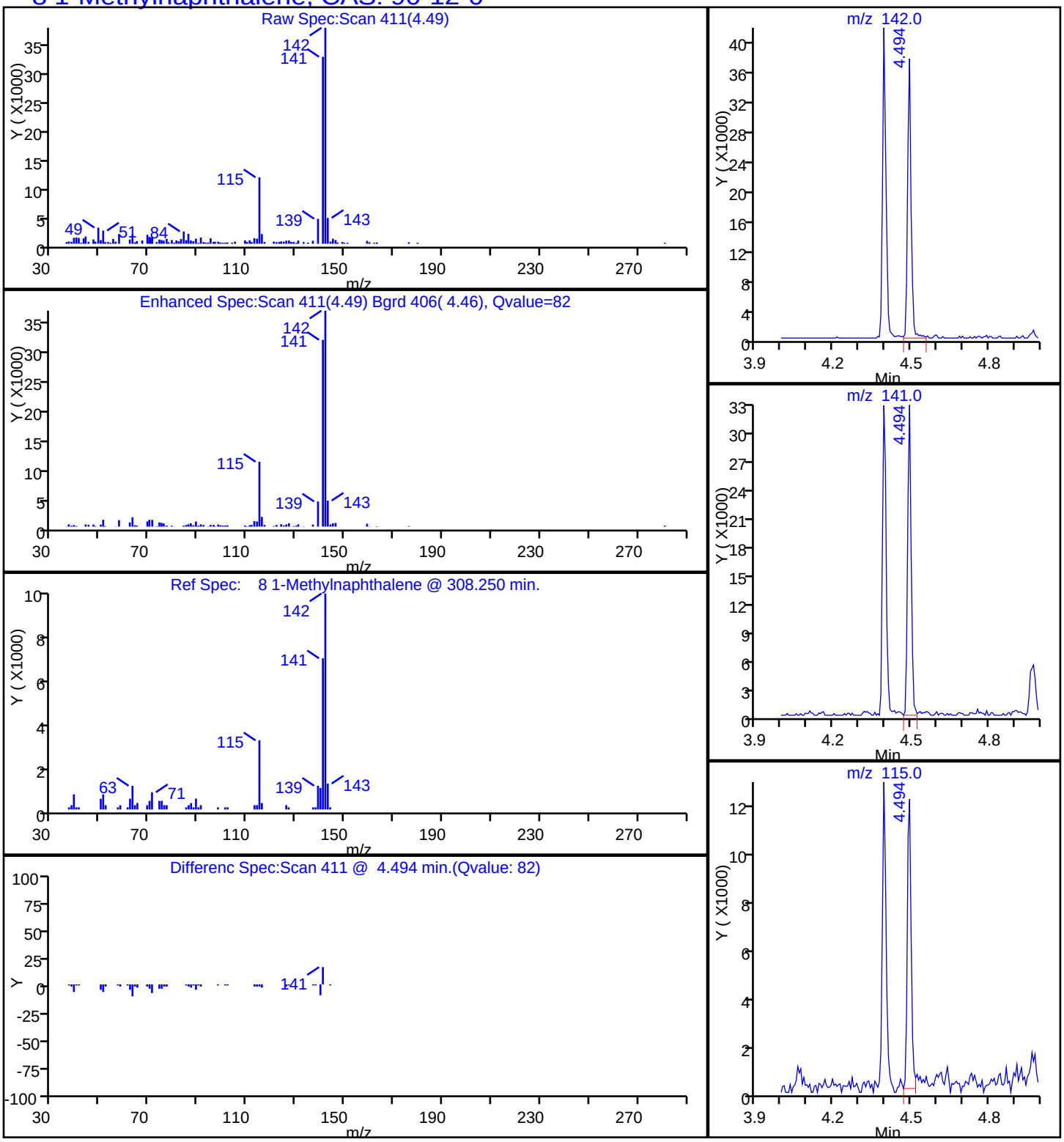
Injection Date:	09-Sep-2014 14:07:30	Instrument ID:	CMSK		
Lims ID:	680-104968-A-2-A	Lab Sample ID:	680-104968-2		
Client ID:	CV0965C-CS12				
Operator ID:	RM	ALS Bottle#:	13	Worklist Smp#:	13
Injection Vol:	2.0 ul	Dil. Factor:	20.0000		
Method:	8270_LLPAH_CMSK	Limit Group:	8270D_LL_PAH		
Column:	Restek RXi-5Sil MS (0.25 mm)	Detector	MS SCAN		

8 1-Methylnaphthalene, CAS: 90-12-0

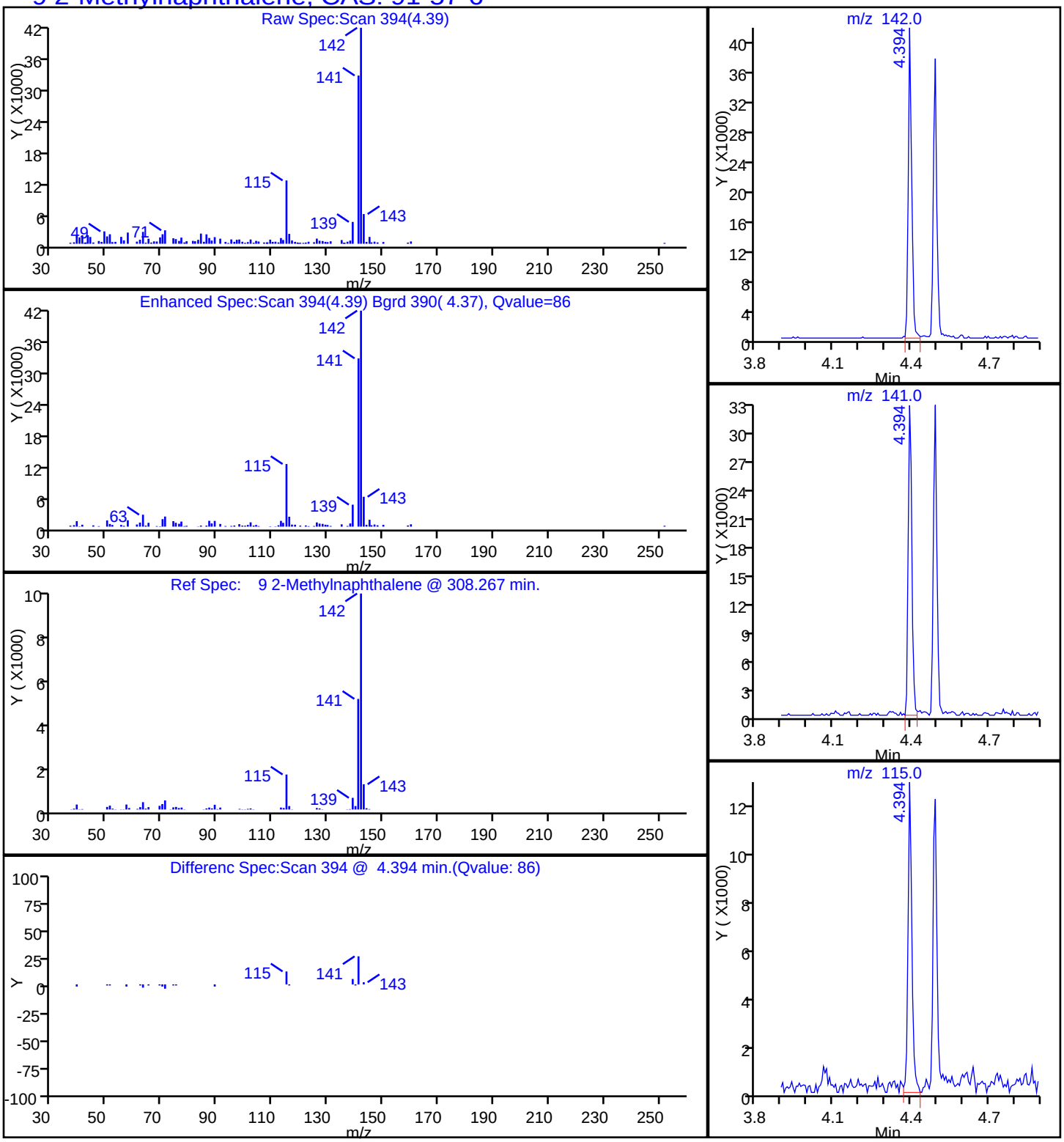


Report Date: 12-Sep-2014 10:30:04 Chrom Revision: 2.2 18-Aug-2014 12:17:36

TestAmerica Savannah

Data File:	\\SAVCHROM\ChromData\CMSK\20140909-12643.b\1KI0913.D				
Injection Date:	09-Sep-2014 14:07:30	Instrument ID:	CMSK		
Lims ID:	680-104968-A-2-A	Lab Sample ID:	680-104968-2		
Client ID:	CV0965C-CS12				
Operator ID:	RM	ALS Bottle#:	13	Worklist Smp#:	13
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

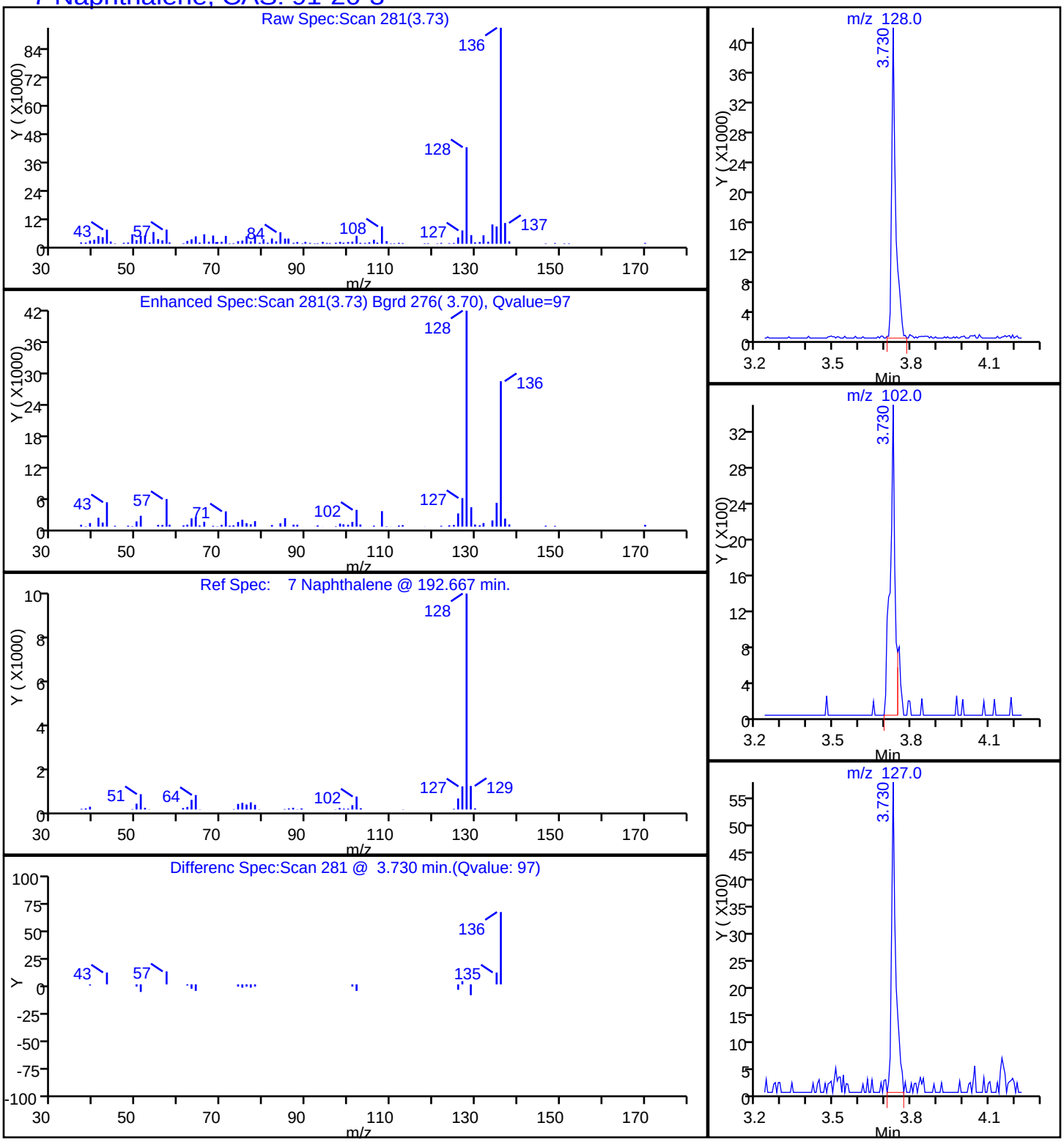


Report Date: 12-Sep-2014 10:30:04 Chrom Revision: 2.2 18-Aug-2014 12:17:36

TestAmerica Savannah

Data File:	\\SAVCHROM\ChromData\CMSK\20140909-12643.b\1KI0913.D				
Injection Date:	09-Sep-2014 14:07:30	Instrument ID:	CMSK		
Lims ID:	680-104968-A-2-A	Lab Sample ID:	680-104968-2		
Client ID:	CV0965C-CS12				
Operator ID:	RM	ALS Bottle#:	13	Worklist Smp#:	13
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

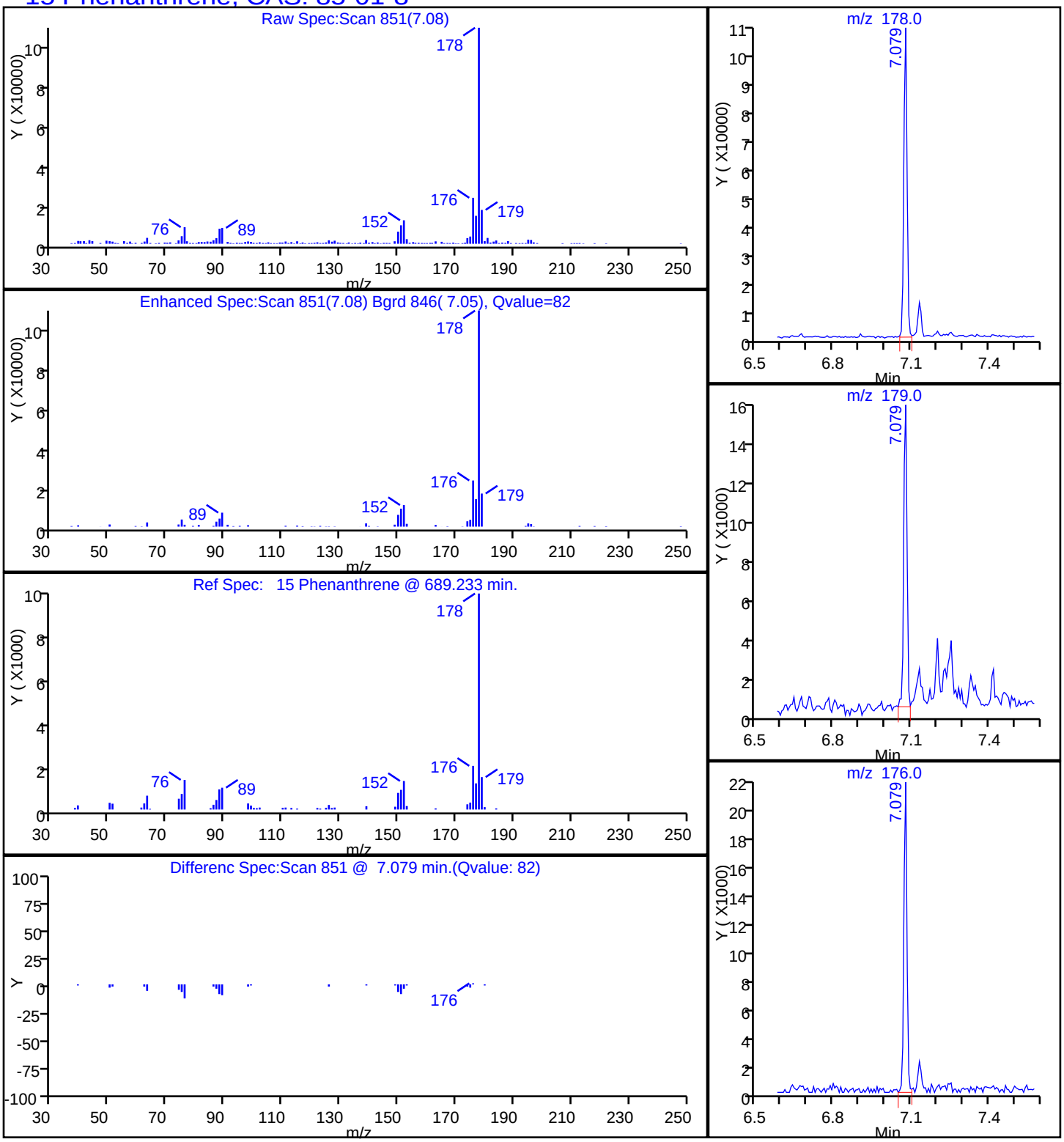


Report Date: 12-Sep-2014 10:30:04 Chrom Revision: 2.2 18-Aug-2014 12:17:36

TestAmerica Savannah

Data File:	\\SAVCHROM\ChromData\CMSK\20140909-12643.b\1KI0913.D				
Injection Date:	09-Sep-2014 14:07:30	Instrument ID:	CMSK		
Lims ID:	680-104968-A-2-A	Lab Sample ID:	680-104968-2		
Client ID:	CV0965C-CS12				
Operator ID:	RM	ALS Bottle#:	13	Worklist Smp#:	13
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

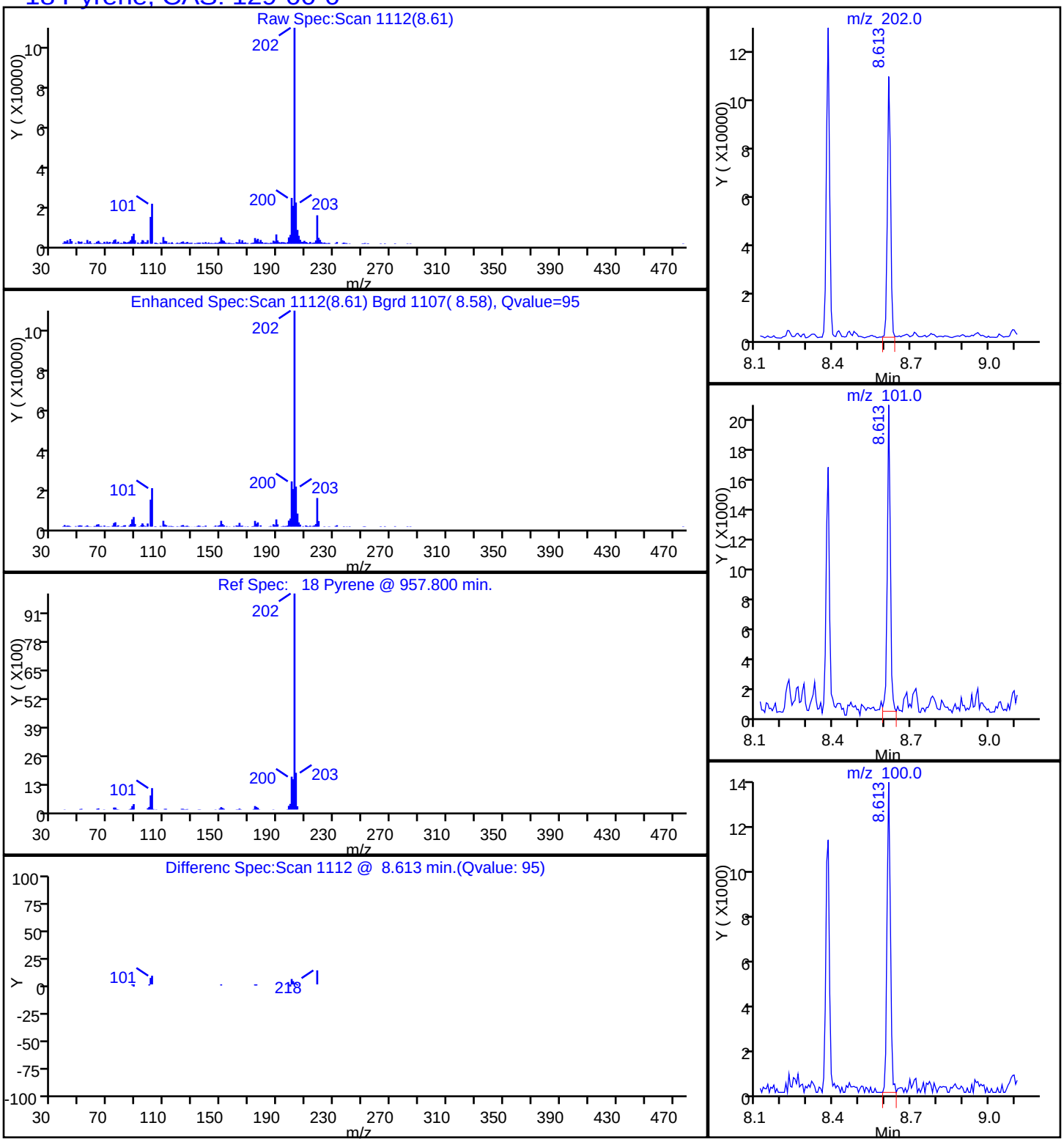


Report Date: 12-Sep-2014 10:30:04 Chrom Revision: 2.2 18-Aug-2014 12:17:36

TestAmerica Savannah

Data File:	\\SAVCHROM\ChromData\CMSK\20140909-12643.b\1KI0913.D				
Injection Date:	09-Sep-2014 14:07:30	Instrument ID:	CMSK		
Lims ID:	680-104968-A-2-A	Lab Sample ID:	680-104968-2		
Client ID:	CV0965C-CS12				
Operator ID:	RM	ALS Bottle#:	13	Worklist Smp#:	13
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

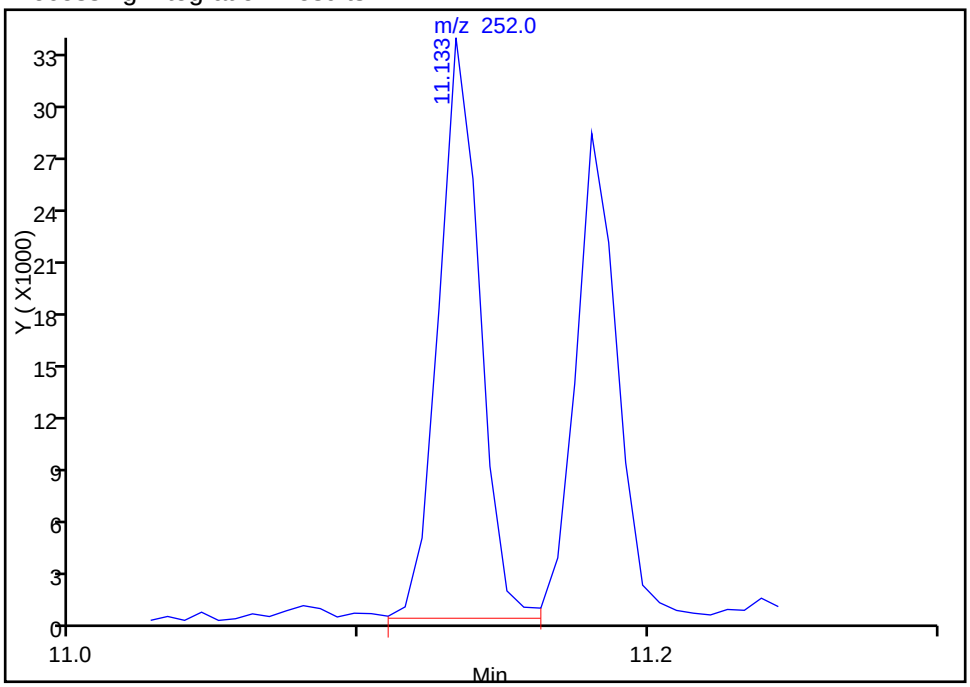
TestAmerica Savannah

Data File:	\\SAVCHROM\ChromData\CMSK\20140909-12643.b\1KI0913.D				
Injection Date:	09-Sep-2014 14:07:30	Instrument ID:	CMSK		
Lims ID:	680-104968-A-2-A	Lab Sample ID:	680-104968-2		
Client ID:	CV0965C-CS12				
Operator ID:	RM	ALS Bottle#:	13	Worklist Smp#:	13
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

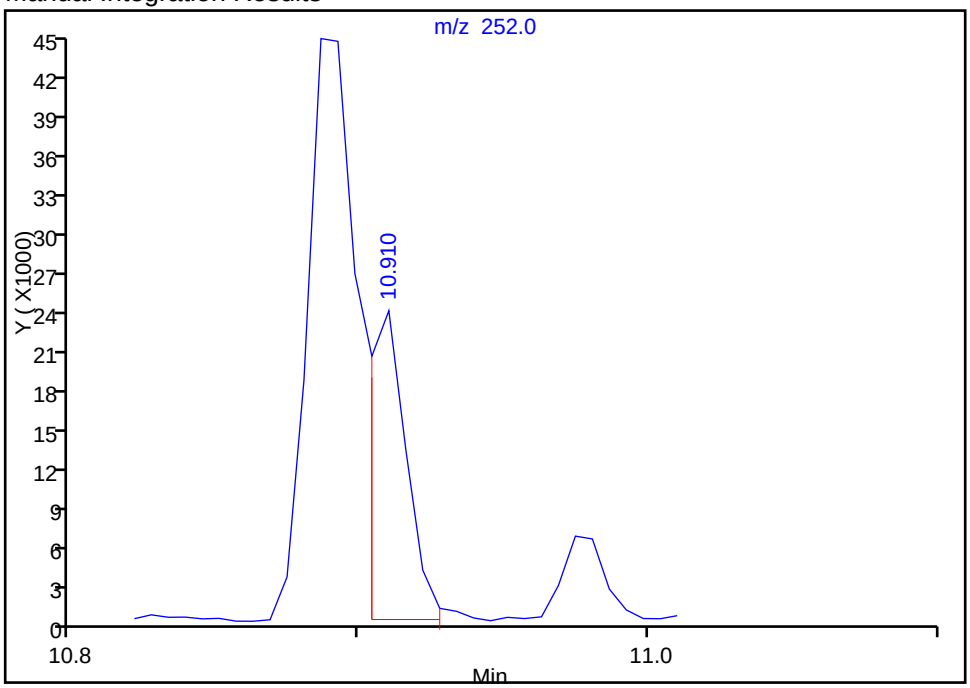
Processing Integration Results

RT: 11.13
Response: 32703
Amount: 0.258422



Manual Integration Results

RT: 10.91
Response: 21183
Amount: 0.167390



Reviewer: webbk, 09-Sep-2014 14:43:07
Audit Action: Manually Integrated
Audit Reason: Split Peak

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Savannah
Job No.: 680-104968-1
SDG No.: 680-104968-01
Client Sample ID: CV0965C-CS18
Lab Sample ID: 680-104968-3
Matrix: Solid
Lab File ID: 1KI0914.D
Analysis Method: 8270D_LL_PAH
Date Collected: 09/03/2014 15:20
Extract. Method: 3546
Date Extracted: 09/06/2014 12:38
Sample wt/vol: 30.03(g)
Date Analyzed: 09/09/2014 14:30
Con. Extract Vol.: 1(mL)
Dilution Factor: 10
Injection Volume: 2(uL)
Level: (low/med) Low
% Moisture: 11.0
GPC Cleanup:(Y/N) N
Analysis Batch No.: 347967
Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
83-32-9	Acenaphthene	75	U	75	37
208-96-8	Acenaphthylene	75	U	75	37
120-12-7	Anthracene	75	U	75	37
56-55-3	Benzo[a]anthracene	94		75	37
50-32-8	Benzo[a]pyrene	88		75	13
205-99-2	Benzo[b]fluoranthene	180		75	37
191-24-2	Benzo[g,h,i]perylene	63	J	75	37
207-08-9	Benzo[k]fluoranthene	52	J	75	22
218-01-9	Chrysene	130		75	37
53-70-3	Dibenz(a,h)anthracene	75	U	75	37
206-44-0	Fluoranthene	200		75	37
86-73-7	Fluorene	75	U	75	37
193-39-5	Indeno[1,2,3-cd]pyrene	55	J	75	37
90-12-0	1-Methylnaphthalene	75	U	75	35
91-57-6	2-Methylnaphthalene	75	U	75	37
91-20-3	Naphthalene	75	U	75	37
85-01-8	Phenanthrene	140		75	27
129-00-0	Pyrene	160		75	37

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\20140909-12643.b\1KI0914.D				
Lims ID:	680-104968-A-3-A	Lab Sample ID:	680-104968-3		
Client ID:	CV0965C-CS18				
Sample Type:	Client				
Inject. Date:	09-Sep-2014 14:30:30	ALS Bottle#:	14	Worklist Smp#:	14
Injection Vol:	2.0 ul	Dil. Factor:	10.0000		
Sample Info:	680-104968-A-3-A				
Misc. Info.:	680-0012643-014				
Operator ID:	RM	Instrument ID:	CMSK		
Method:	\\SAVCHROM\ChromData\CMSK\20140909-12643.b\8270_LLPAH_CMSK.m				
Limit Group:	8270D_LL_PAH				
Last Update:	12-Sep-2014 10:29:51	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:	XAWRK027				

First Level Reviewer: webbk Date: 09-Sep-2014 14:55:15

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/ml	Flags
* 1 Naphthalene-d8	136	3.713	3.713	0.000	98	435164	2.00	
* 2 Acenaphthene-d10	164	5.463	5.464	-0.001	94	219854	2.00	
* 3 Phenanthrene-d10	188	7.056	7.056	0.000	98	292329	2.00	
* 4 Chrysene-d12	240	9.882	9.882	0.000	98	221758	2.00	
* 5 Perylene-d12	264	11.239	11.239	0.000	96	190620	2.00	
9 2-Methylnaphthalene	142	4.394	4.394	0.000	90	11347	0.0853	
8 1-Methylnaphthalene	142	4.494	4.494	0.000	92	10978	0.0881	
15 Phenanthrene	178	7.079	7.079	0.000	97	62400	0.3713	
16 Anthracene	178	7.132	7.132	0.000	97	10674	0.0695	
17 Fluoranthene	202	8.378	8.378	0.000	97	81780	0.5368	
18 Pyrene	202	8.613	8.613	0.000	97	71788	0.4184	
19 Benzo[a]anthracene	228	9.870	9.870	0.000	98	29197	0.2521	
20 Chrysene	228	9.905	9.906	-0.001	98	39330	0.3532	
21 Benzo[b]fluoranthene	252	10.887	10.893	-0.006	97	54677	0.4712	
22 Benzo[k]fluoranthene	252	10.910	10.916	-0.006	98	16202	0.1385	M
23 Benzo[a]pyrene	252	11.180	11.186	-0.006	96	24252	0.2353	
24 Indeno[1,2,3-cd]pyrene	276	12.385	12.391	-0.006	97	18044	0.1473	
26 Benzo[g,h,i]perylene	276	12.720	12.726	-0.006	94	17545	0.1687	

QC Flag Legend

Review Flags

M - Manually Integrated

Reagents:

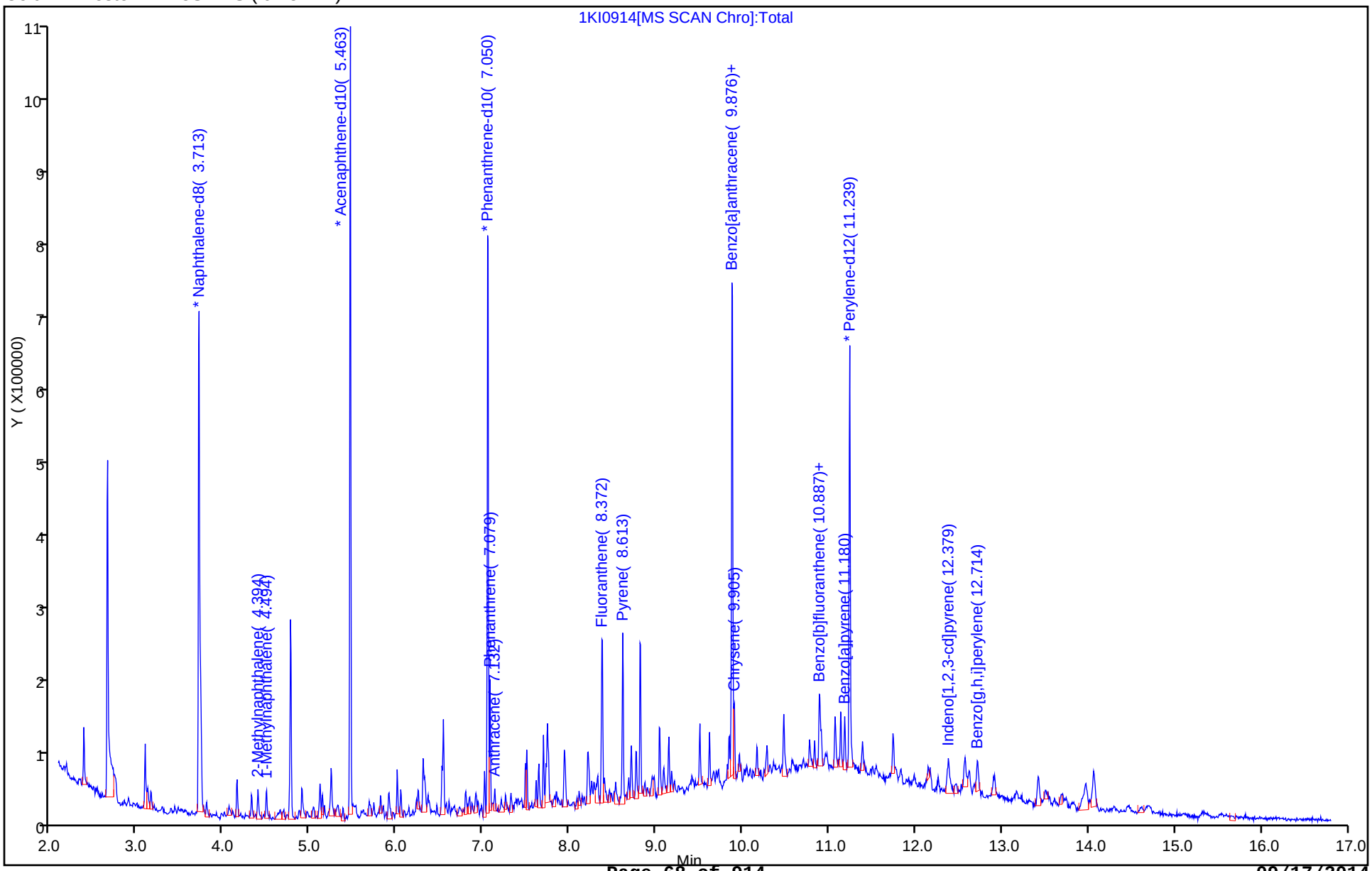
SM-LLISTD_00106 Amount Added: 10.00 Units: uL Run Reagent

Report Date: 12-Sep-2014 10:30:07 Chrom Revision: 2.2 18-Aug-2014 12:17:36

TestAmerica Savannah

Data File:	\\SAVCHROM\ChromData\CMSK\20140909-12643.b\1KI0914.D				
Injection Date:	09-Sep-2014 14:30:30	Instrument ID:	CMSK	Operator ID:	RM
Lims ID:	680-104968-A-3-A	Lab Sample ID:	680-104968-3	Worklist Smp#:	14
Client ID:	CV0965C-CS18				
Injection Vol:	2.0 ul	Dil. Factor:	10.0000	ALS Bottle#:	14
Method:	8270_LLPAH_CMSK	Limit Group:	8270D_LL_PAH		

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

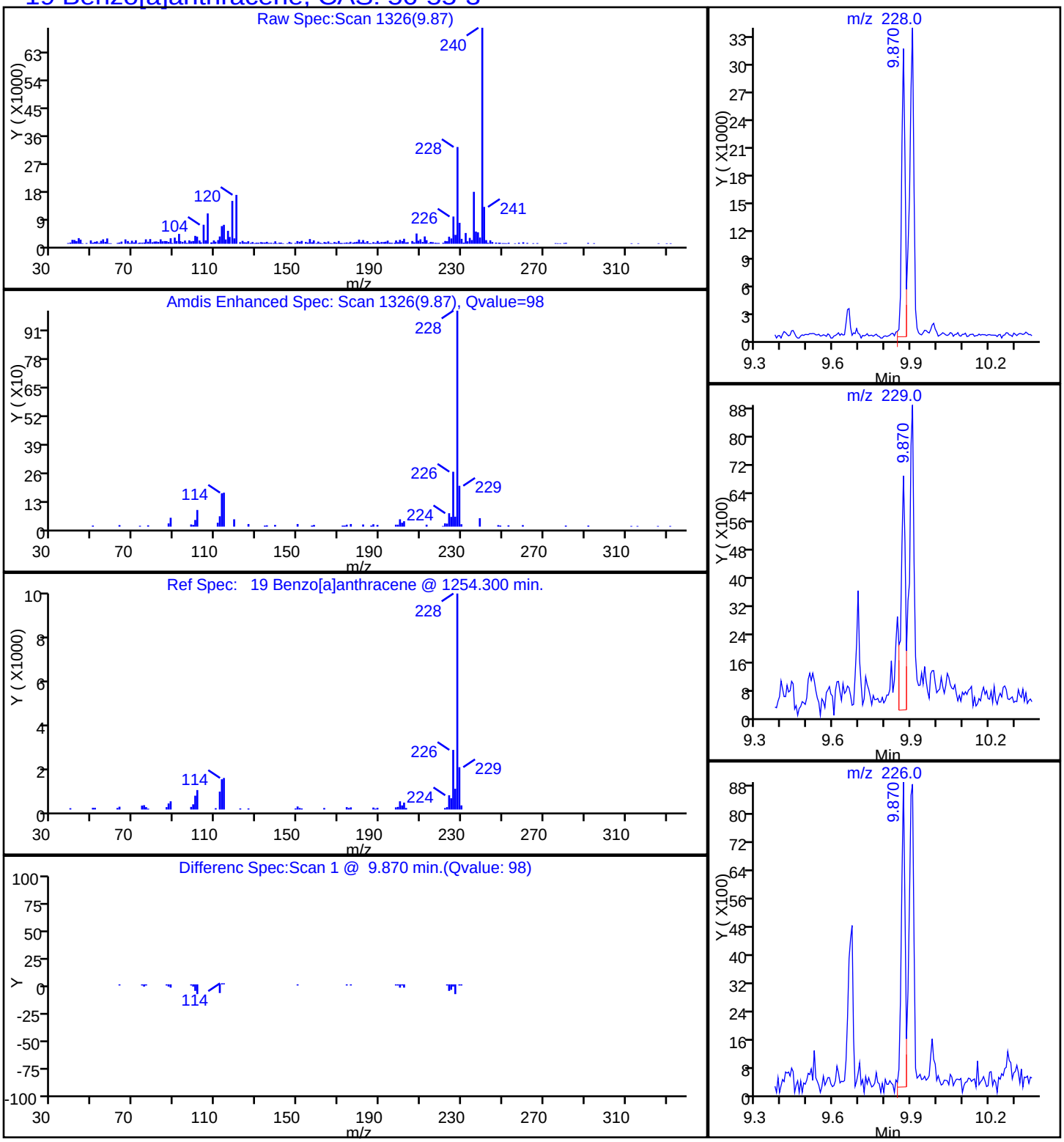


Report Date: 12-Sep-2014 10:30:07 Chrom Revision: 2.2 18-Aug-2014 12:17:36

TestAmerica Savannah

Data File:	\\SAVCHROM\ChromData\CMSK\20140909-12643.b\1KI0914.D				
Injection Date:	09-Sep-2014 14:30:30	Instrument ID:	CMSK		
Lims ID:	680-104968-A-3-A	Lab Sample ID:	680-104968-3		
Client ID:	CV0965C-CS18				
Operator ID:	RM	ALS Bottle#:	14	Worklist Smp#:	14
Injection Vol:	2.0 ul	Dil. Factor:	10.0000		
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

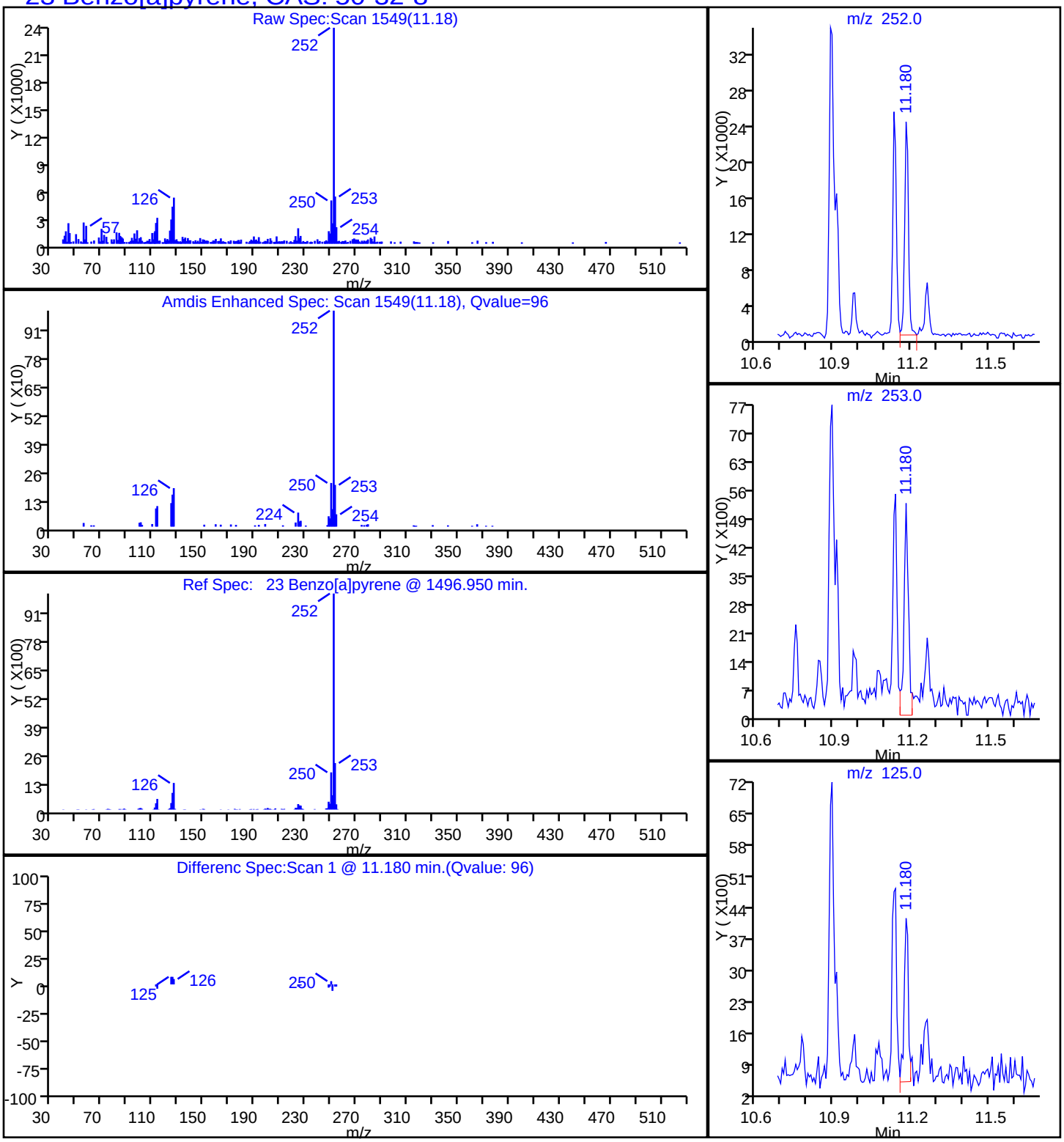


Report Date: 12-Sep-2014 10:30:07 Chrom Revision: 2.2 18-Aug-2014 12:17:36

TestAmerica Savannah

Data File:	\\SAVCHROM\ChromData\CMSK\20140909-12643.b\1KI0914.D				
Injection Date:	09-Sep-2014 14:30:30	Instrument ID:	CMSK		
Lims ID:	680-104968-A-3-A	Lab Sample ID:	680-104968-3		
Client ID:	CV0965C-CS18				
Operator ID:	RM	ALS Bottle#:	14	Worklist Smp#:	14
Injection Vol:	2.0 ul	Dil. Factor:	10.0000		
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

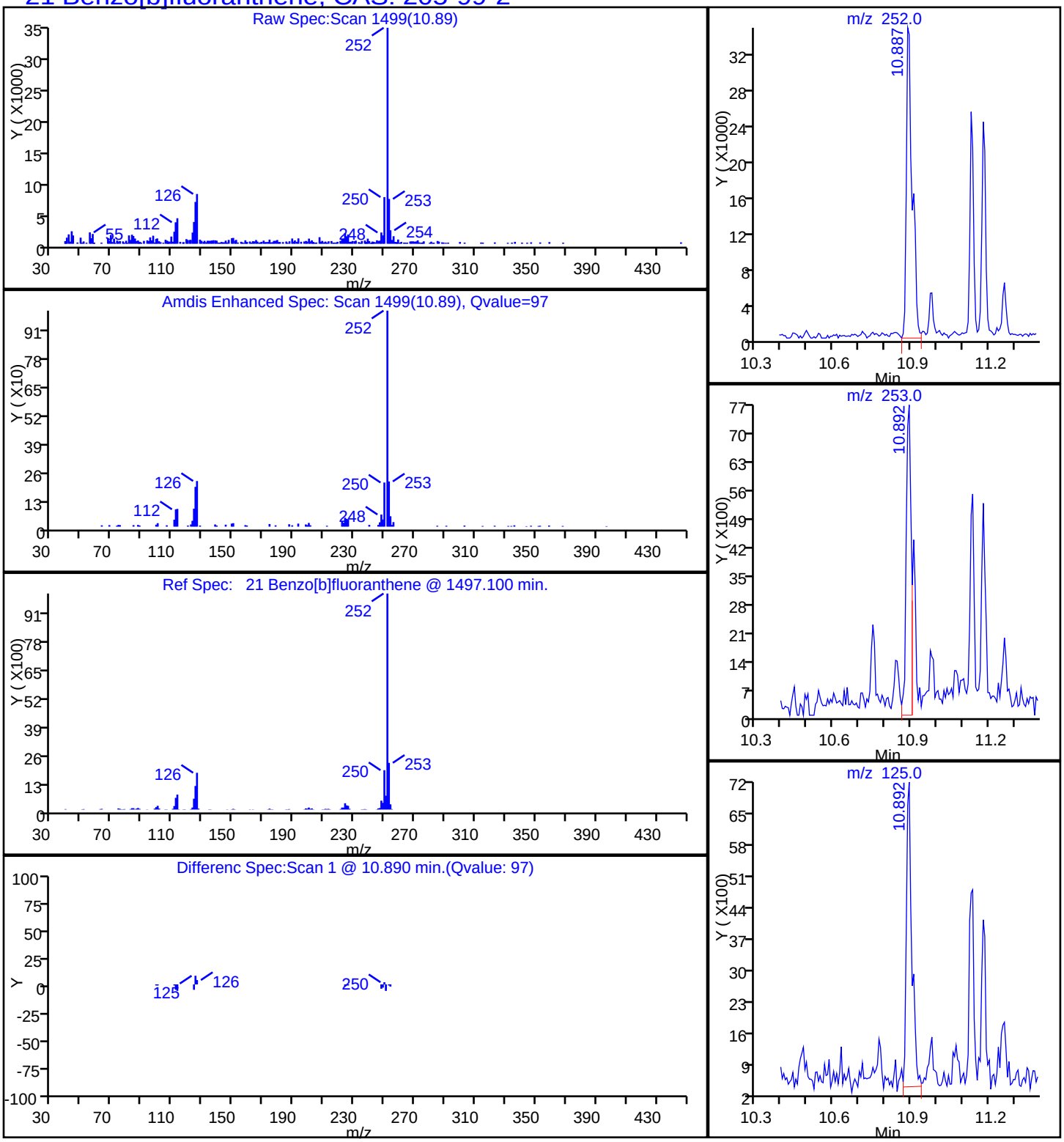


Report Date: 12-Sep-2014 10:30:07 Chrom Revision: 2.2 18-Aug-2014 12:17:36

TestAmerica Savannah

Data File:	\\SAVCHROM\ChromData\CMSK\20140909-12643.b\1KI0914.D				
Injection Date:	09-Sep-2014 14:30:30	Instrument ID:	CMSK		
Lims ID:	680-104968-A-3-A	Lab Sample ID:	680-104968-3		
Client ID:	CV0965C-CS18				
Operator ID:	RM	ALS Bottle#:	14	Worklist Smp#:	14
Injection Vol:	2.0 ul	Dil. Factor:	10.0000		
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

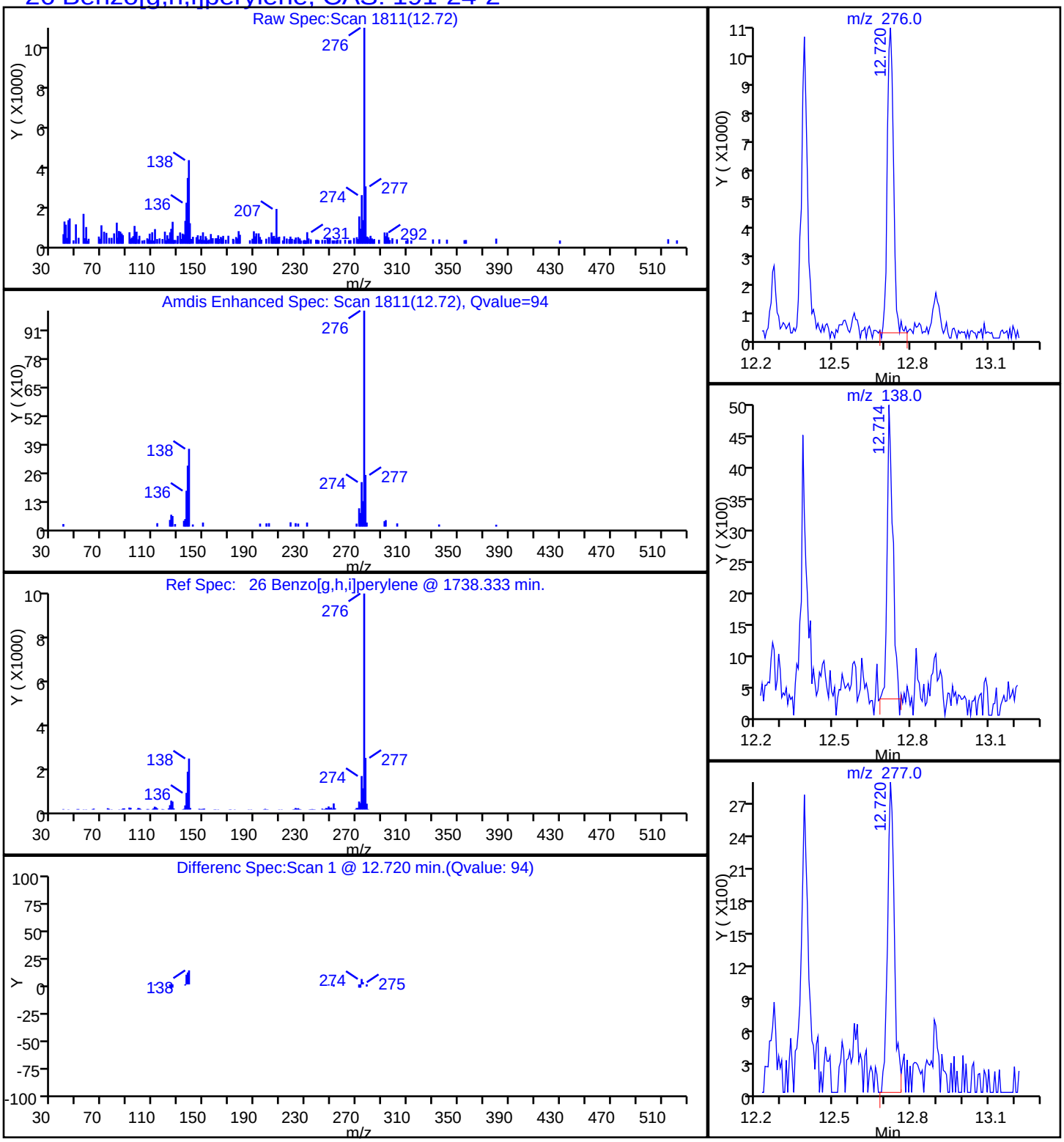


Report Date: 12-Sep-2014 10:30:07 Chrom Revision: 2.2 18-Aug-2014 12:17:36

TestAmerica Savannah

Data File:	\\SAVCHROM\ChromData\CMSK\20140909-12643.b\1KI0914.D				
Injection Date:	09-Sep-2014 14:30:30	Instrument ID:	CMSK		
Lims ID:	680-104968-A-3-A	Lab Sample ID:	680-104968-3		
Client ID:	CV0965C-CS18				
Operator ID:	RM	ALS Bottle#:	14	Worklist Smp#:	14
Injection Vol:	2.0 ul	Dil. Factor:	10.0000		
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

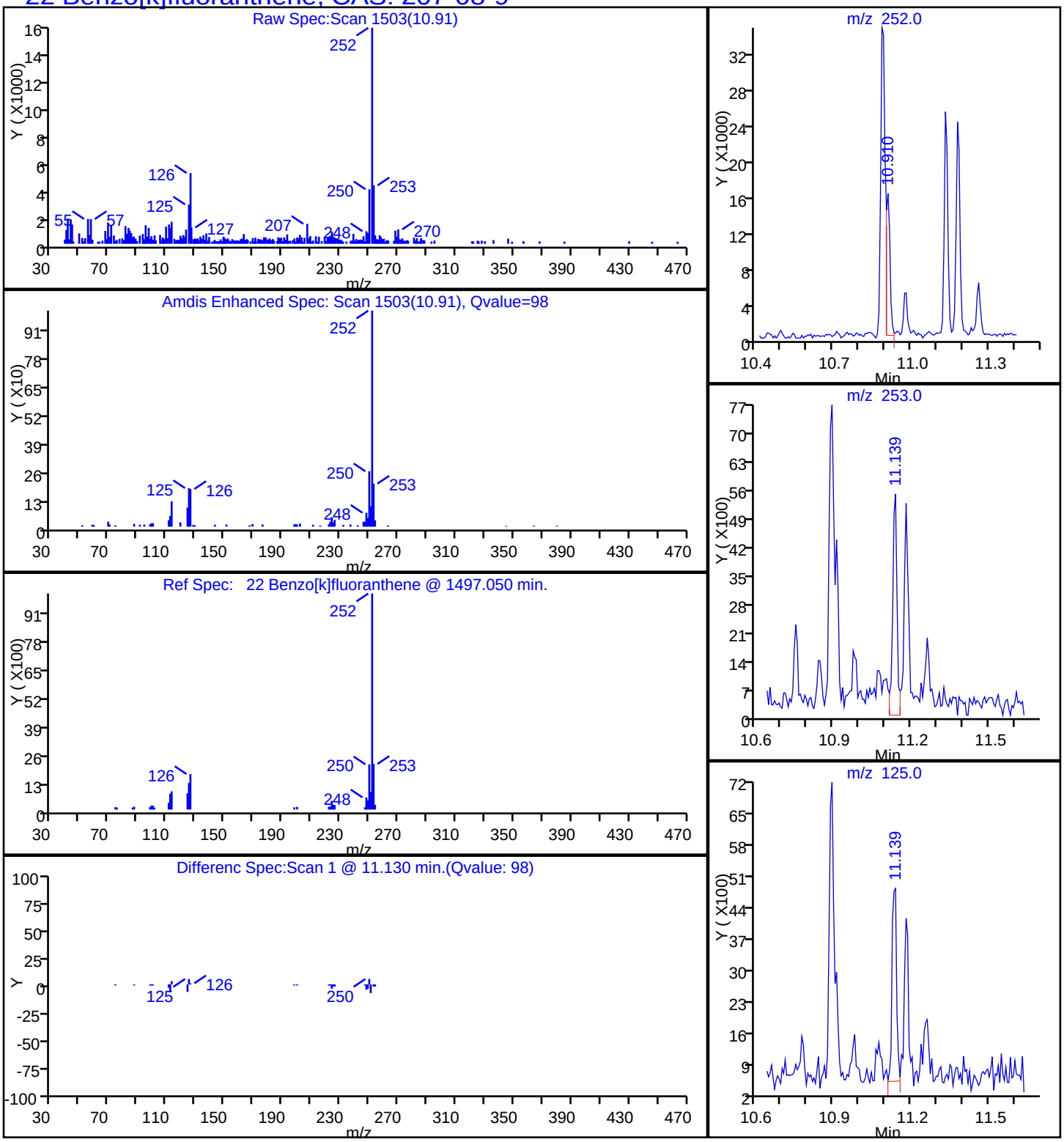


Report Date: 12-Sep-2014 10:30:07 Chrom Revision: 2.2 18-Aug-2014 12:17:36

TestAmerica Savannah

Data File:	\\SAVCHROM\ChromData\CMSK\20140909-12643.b\1KI0914.D				
Injection Date:	09-Sep-2014 14:30:30	Instrument ID:	CMSK		
Lims ID:	680-104968-A-3-A	Lab Sample ID:	680-104968-3		
Client ID:	CV0965C-CS18				
Operator ID:	RM	ALS Bottle#:	14	Worklist Smp#:	14
Injection Vol:	2.0 ul	Dil. Factor:	10.0000		
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

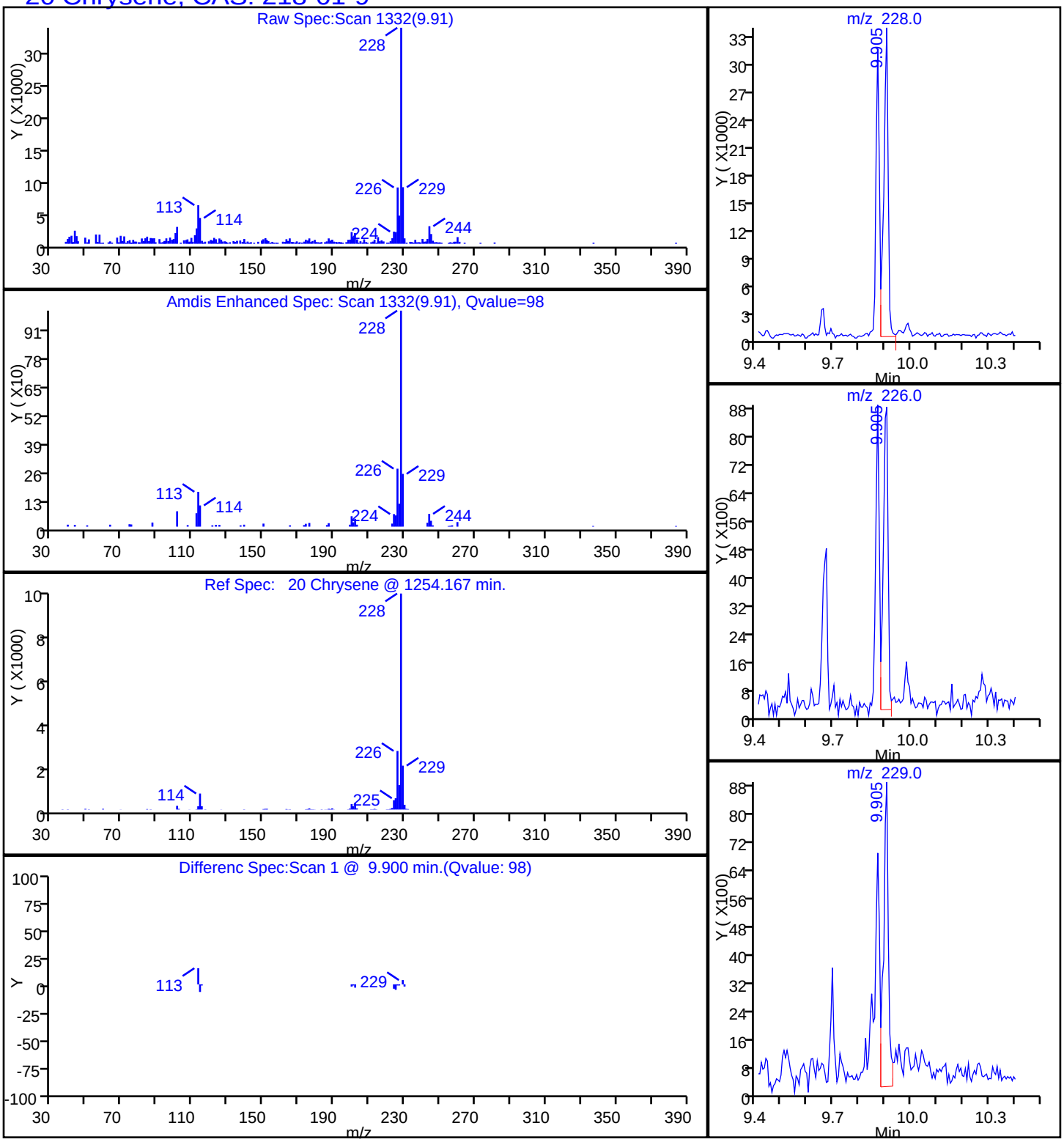


Report Date: 12-Sep-2014 10:30:07 Chrom Revision: 2.2 18-Aug-2014 12:17:36

TestAmerica Savannah

Data File:	\\SAVCHROM\ChromData\CMSK\20140909-12643.b\1KI0914.D				
Injection Date:	09-Sep-2014 14:30:30	Instrument ID:	CMSK		
Lims ID:	680-104968-A-3-A	Lab Sample ID:	680-104968-3		
Client ID:	CV0965C-CS18				
Operator ID:	RM	ALS Bottle#:	14	Worklist Smp#:	14
Injection Vol:	2.0 ul	Dil. Factor:	10.0000		
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

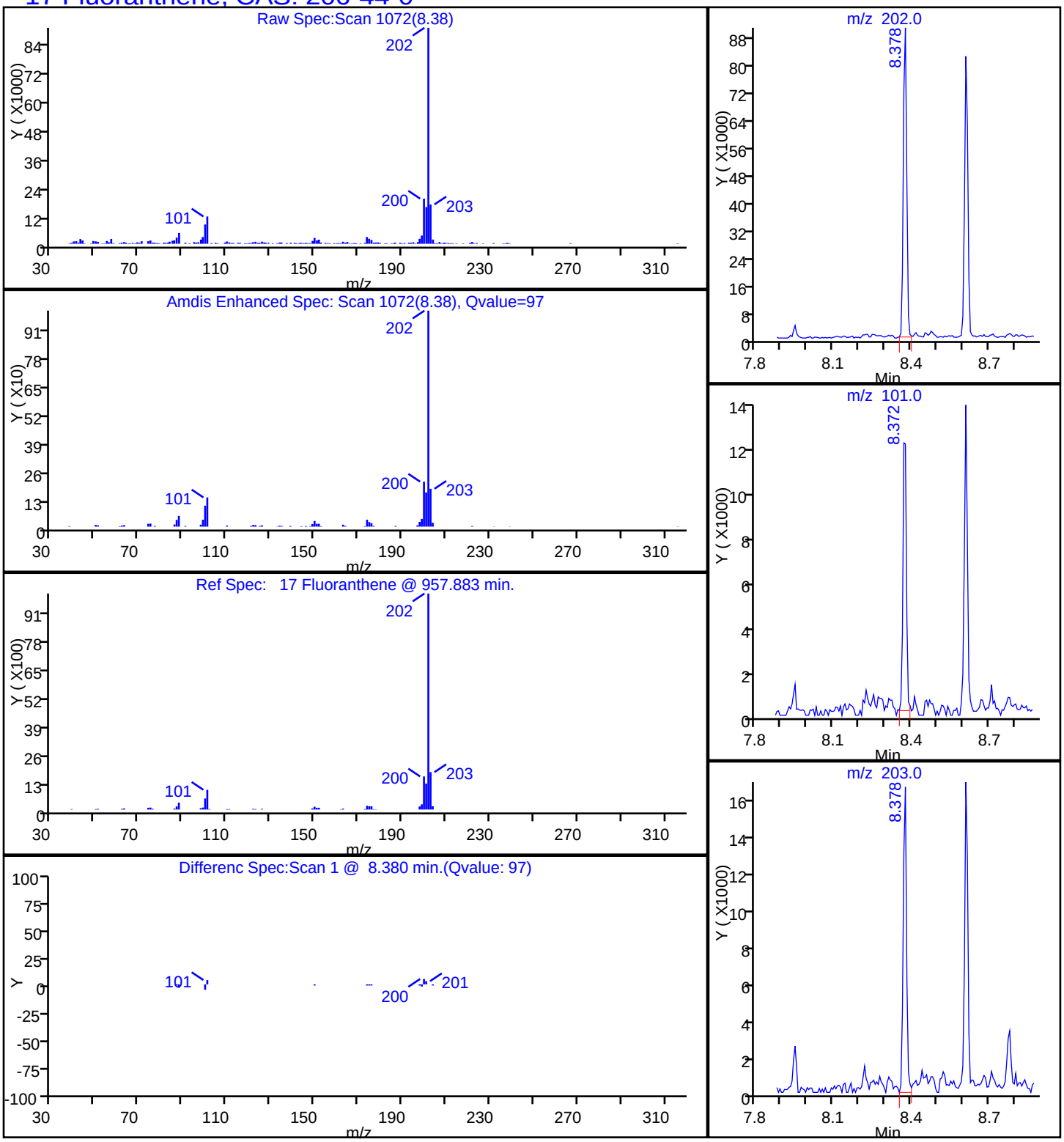


Report Date: 12-Sep-2014 10:30:07 Chrom Revision: 2.2 18-Aug-2014 12:17:36

TestAmerica Savannah

Data File:	\\SAVCHROM\ChromData\CMSK\20140909-12643.b\1KI0914.D				
Injection Date:	09-Sep-2014 14:30:30	Instrument ID:	CMSK		
Lims ID:	680-104968-A-3-A	Lab Sample ID:	680-104968-3		
Client ID:	CV0965C-CS18				
Operator ID:	RM	ALS Bottle#:	14	Worklist Smp#:	14
Injection Vol:	2.0 ul	Dil. Factor:	10.0000		
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

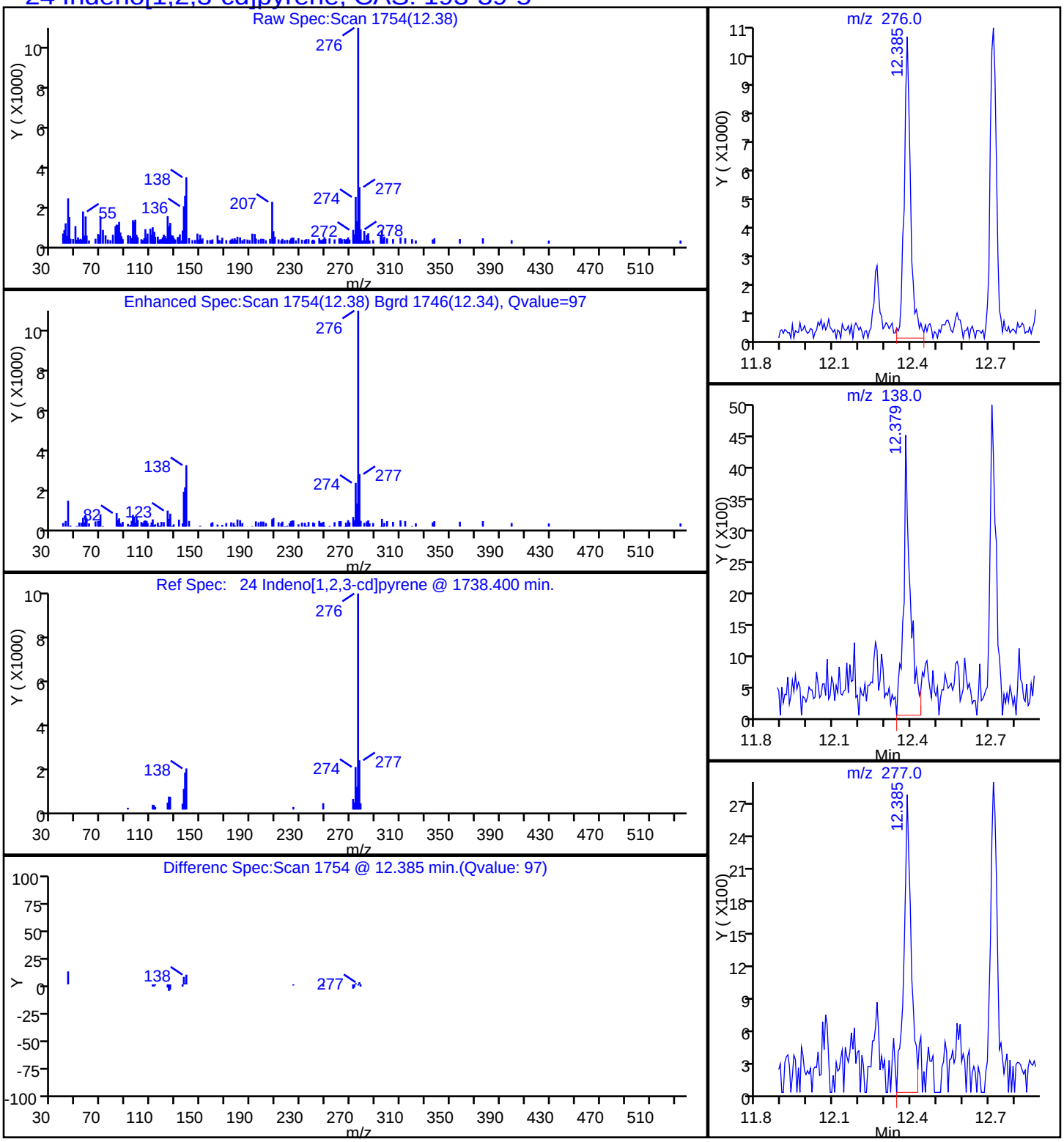


Report Date: 12-Sep-2014 10:30:07 Chrom Revision: 2.2 18-Aug-2014 12:17:36

TestAmerica Savannah

Data File:	\\SAVCHROM\ChromData\CMSK\20140909-12643.b\1KI0914.D				
Injection Date:	09-Sep-2014 14:30:30	Instrument ID:	CMSK		
Lims ID:	680-104968-A-3-A	Lab Sample ID:	680-104968-3		
Client ID:	CV0965C-CS18				
Operator ID:	RM	ALS Bottle#:	14	Worklist Smp#:	14
Injection Vol:	2.0 ul	Dil. Factor:	10.0000		
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

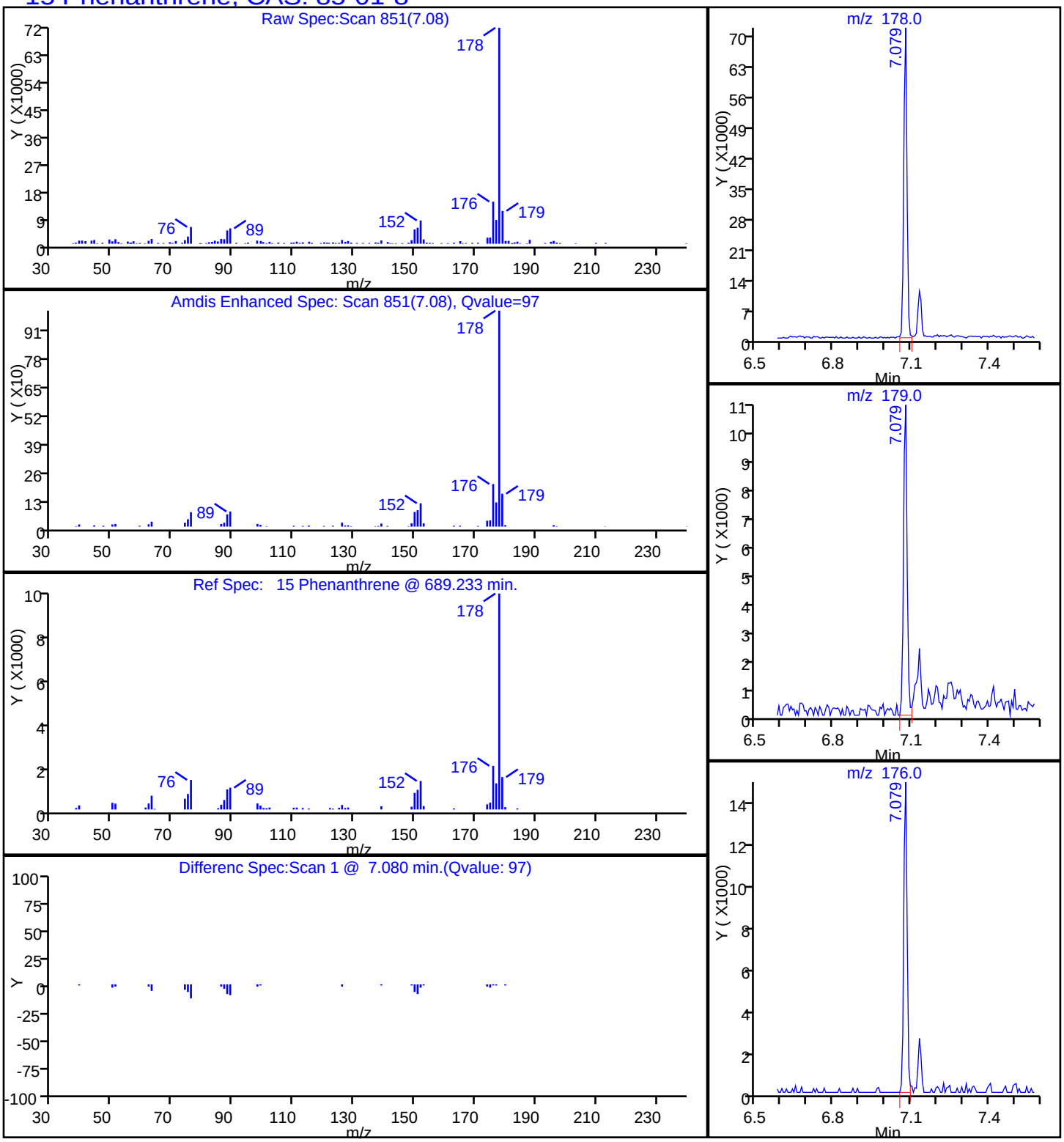


Report Date: 12-Sep-2014 10:30:07 Chrom Revision: 2.2 18-Aug-2014 12:17:36

TestAmerica Savannah

Data File:	\\SAVCHROM\ChromData\CMSK\20140909-12643.b\1KI0914.D				
Injection Date:	09-Sep-2014 14:30:30	Instrument ID:	CMSK		
Lims ID:	680-104968-A-3-A	Lab Sample ID:	680-104968-3		
Client ID:	CV0965C-CS18				
Operator ID:	RM	ALS Bottle#:	14	Worklist Smp#:	14
Injection Vol:	2.0 ul	Dil. Factor:	10.0000		
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

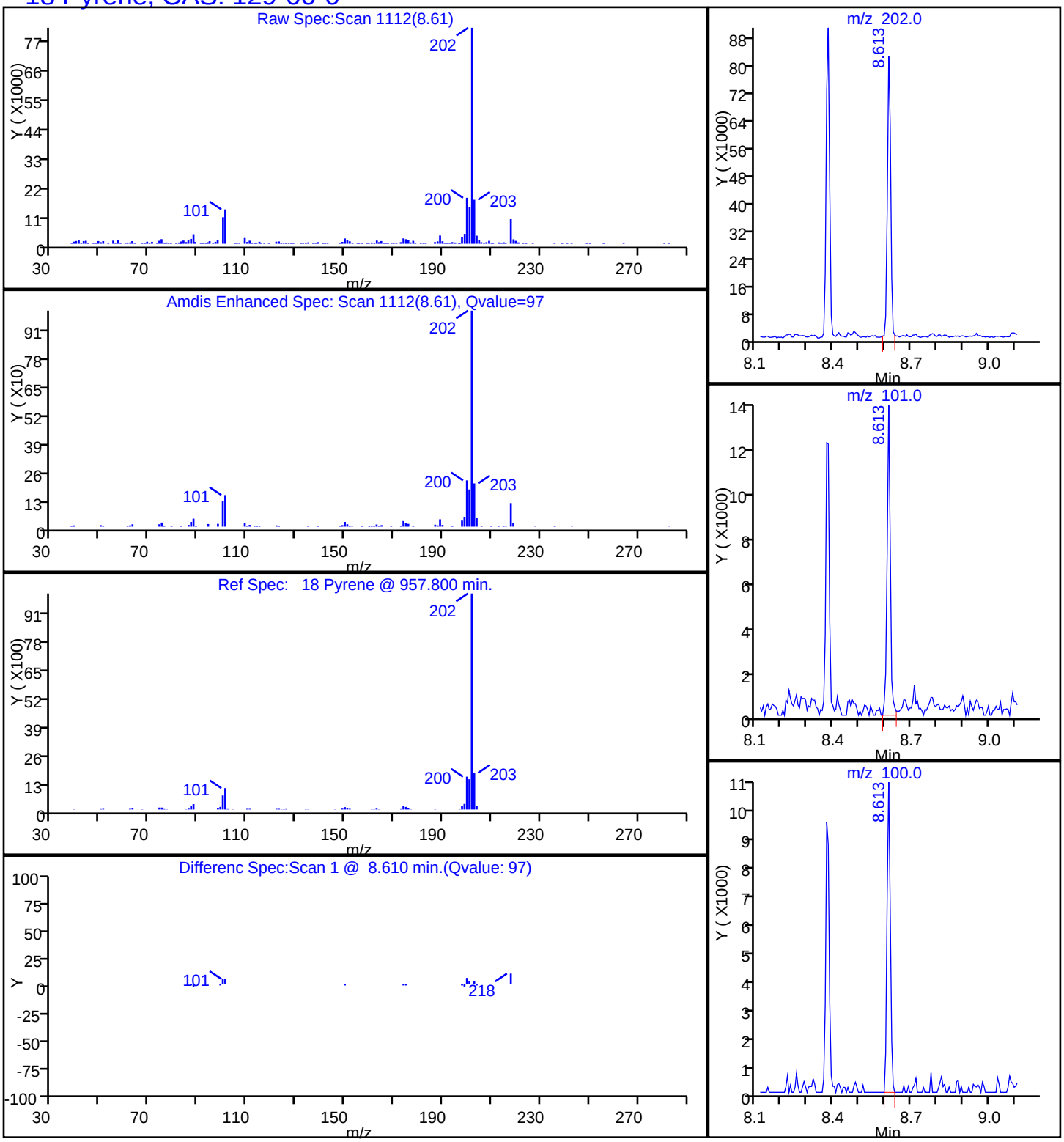


Report Date: 12-Sep-2014 10:30:07 Chrom Revision: 2.2 18-Aug-2014 12:17:36

TestAmerica Savannah

Data File:	\\SAVCHROM\ChromData\CMSK\20140909-12643.b\1KI0914.D				
Injection Date:	09-Sep-2014 14:30:30	Instrument ID:	CMSK		
Lims ID:	680-104968-A-3-A	Lab Sample ID:	680-104968-3		
Client ID:	CV0965C-CS18				
Operator ID:	RM	ALS Bottle#:	14	Worklist Smp#:	14
Injection Vol:	2.0 ul	Dil. Factor:	10.0000		
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

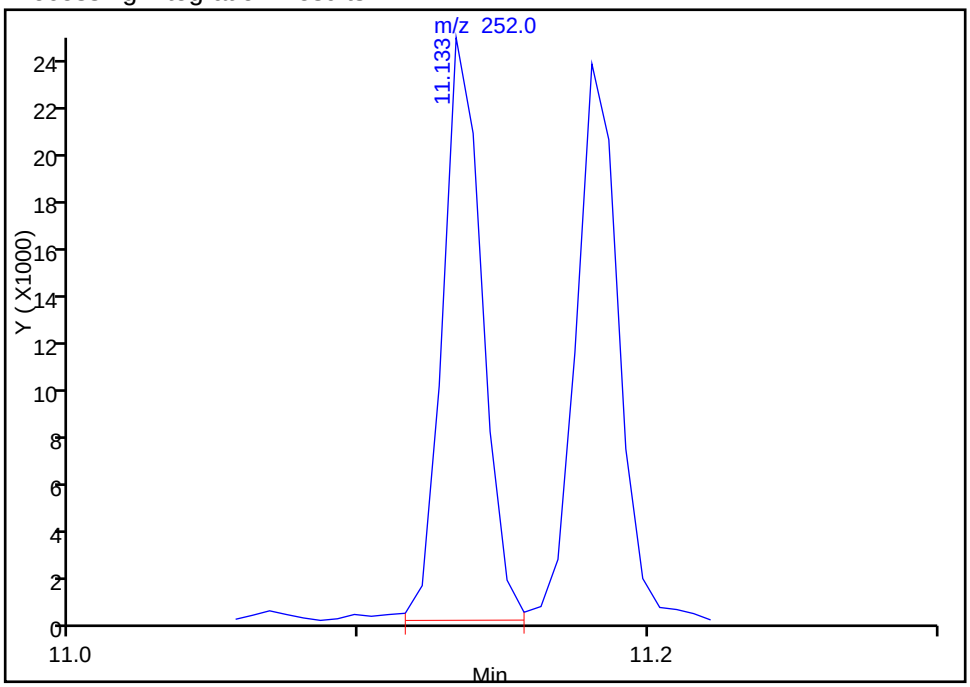
TestAmerica Savannah

Data File:	\\SAVCHROM\ChromData\CMSK\20140909-12643.b\1KI0914.D				
Injection Date:	09-Sep-2014 14:30:30	Instrument ID:	CMSK		
Lims ID:	680-104968-A-3-A	Lab Sample ID:	680-104968-3		
Client ID:	CV0965C-CS18				
Operator ID:	RM	ALS Bottle#:	14	Worklist Smp#:	14
Injection Vol:	2.0 ul	Dil. Factor:	10.0000		
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

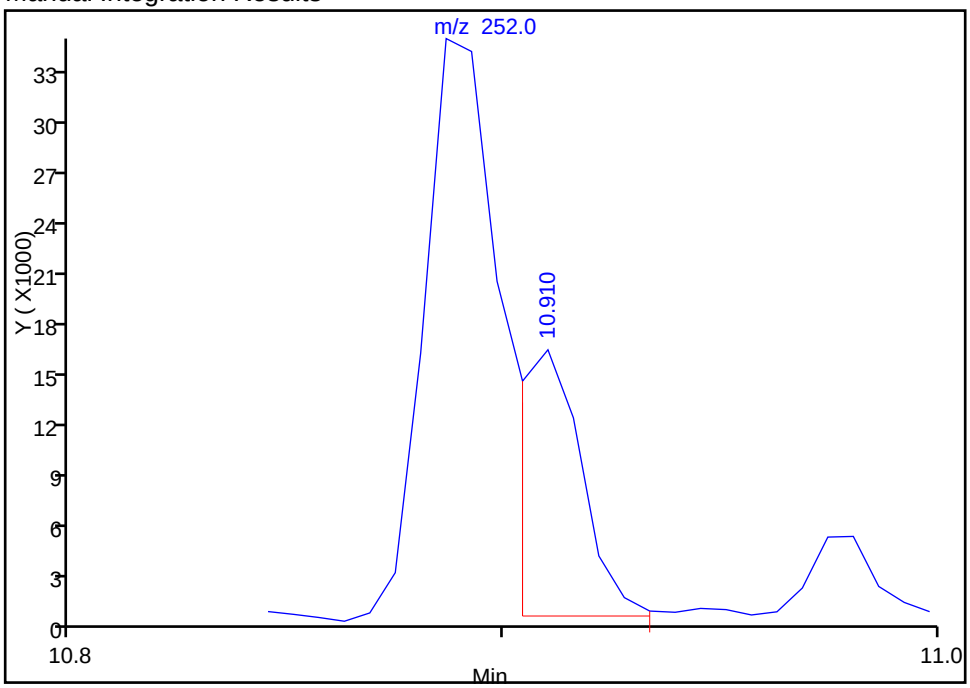
Processing Integration Results

RT: 11.13
Response: 23584
Amount: 0.201668



Manual Integration Results

RT: 10.91
Response: 16202
Amount: 0.138544



Reviewer: webbk, 09-Sep-2014 14:55:15
Audit Action: Manually Integrated
Audit Reason: Split Peak

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Savannah
Job No.: 680-104968-1
SDG No.: 680-104968-01
Client Sample ID: CV0965C-CS24
Lab Sample ID: 680-104968-4
Matrix: Solid
Lab File ID: 1KI0915.D
Analysis Method: 8270D_LL_PAH
Date Collected: 09/03/2014 15:30
Extract. Method: 3546
Date Extracted: 09/06/2014 12:38
Sample wt/vol: 30.03(g)
Date Analyzed: 09/09/2014 14:53
Con. Extract Vol.: 1(mL)
Dilution Factor: 10
Injection Volume: 2(uL)
Level: (low/med) Low
% Moisture: 11.7
GPC Cleanup:(Y/N) N
Analysis Batch No.: 347967
Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
83-32-9	Acenaphthene	76	U	76	37
208-96-8	Acenaphthylene	76	U	76	37
120-12-7	Anthracene	76	U	76	37
56-55-3	Benzo[a]anthracene	76	U	76	37
50-32-8	Benzo[a]pyrene	33	J	76	14
205-99-2	Benzo[b]fluoranthene	51	J	76	37
191-24-2	Benzo[g,h,i]perylene	76	U	76	37
207-08-9	Benzo[k]fluoranthene	23	J	76	23
218-01-9	Chrysene	50	J	76	37
53-70-3	Dibenz(a,h)anthracene	76	U	76	37
206-44-0	Fluoranthene	66	J	76	37
86-73-7	Fluorene	76	U	76	37
193-39-5	Indeno[1,2,3-cd]pyrene	76	U	76	37
90-12-0	1-Methylnaphthalene	76	U	76	35
91-57-6	2-Methylnaphthalene	76	U	76	37
91-20-3	Naphthalene	76	U	76	37
85-01-8	Phenanthrene	39	J	76	27
129-00-0	Pyrene	50	J	76	37

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\20140909-12643.b\1KI0915.D				
Lims ID:	680-104968-A-4-A	Lab Sample ID:	680-104968-4		
Client ID:	CV0965C-CS24				
Sample Type:	Client				
Inject. Date:	09-Sep-2014 14:53:30	ALS Bottle#:	15	Worklist Smp#:	15
Injection Vol:	2.0 ul	Dil. Factor:	10.0000		
Sample Info:	680-104968-A-4-A				
Misc. Info.:	680-0012643-015				
Operator ID:	RM	Instrument ID:	CMSK		

Method:	\\SAVCHROM\ChromData\CMSK\20140909-12643.b\8270_LLPAH_CMSK.m		
Limit Group:	8270D_LL_PAH		
Last Update:	12-Sep-2014 10:31:53	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:	XAWRK027	

First Level Reviewer: webbk Date: 09-Sep-2014 15:29:39

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/ml	Flags
* 1 Naphthalene-d8	136	3.713	3.713	0.000	98	473353	2.00	
* 2 Acenaphthene-d10	164	5.464	5.464	0.000	91	233744	2.00	
* 3 Phenanthrene-d10	188	7.056	7.056	0.000	98	314566	2.00	
* 4 Chrysene-d12	240	9.882	9.882	0.000	98	214442	2.00	
* 5 Perylene-d12	264	11.245	11.239	0.006	96	159876	2.00	
15 Phenanthrene	178	7.079	7.079	0.000	96	18593	0.1028	
16 Anthracene	178	7.132	7.132	0.000	53	2051	0.0124	7
17 Fluoranthene	202	8.378	8.378	0.000	99	28789	0.1756	
18 Pyrene	202	8.613	8.613	0.000	94	21919	0.1321	
19 Benzo[a]anthracene	228	9.870	9.870	0.000	97	8649	0.0772	
20 Chrysene	228	9.905	9.906	-0.001	98	14232	0.1322	
21 Benzo[b]fluoranthene	252	10.898	10.893	0.005	95	13231	0.1360	
22 Benzo[k]fluoranthene	252	10.916	10.916	0.000	95	5948	0.0606	7M
23 Benzo[a]pyrene	252	11.192	11.186	0.006	96	7633	0.0883	

QC Flag Legend

Processing Flags
7 - Failed Limit of Detection
Review Flags
M - Manually Integrated

Reagents:

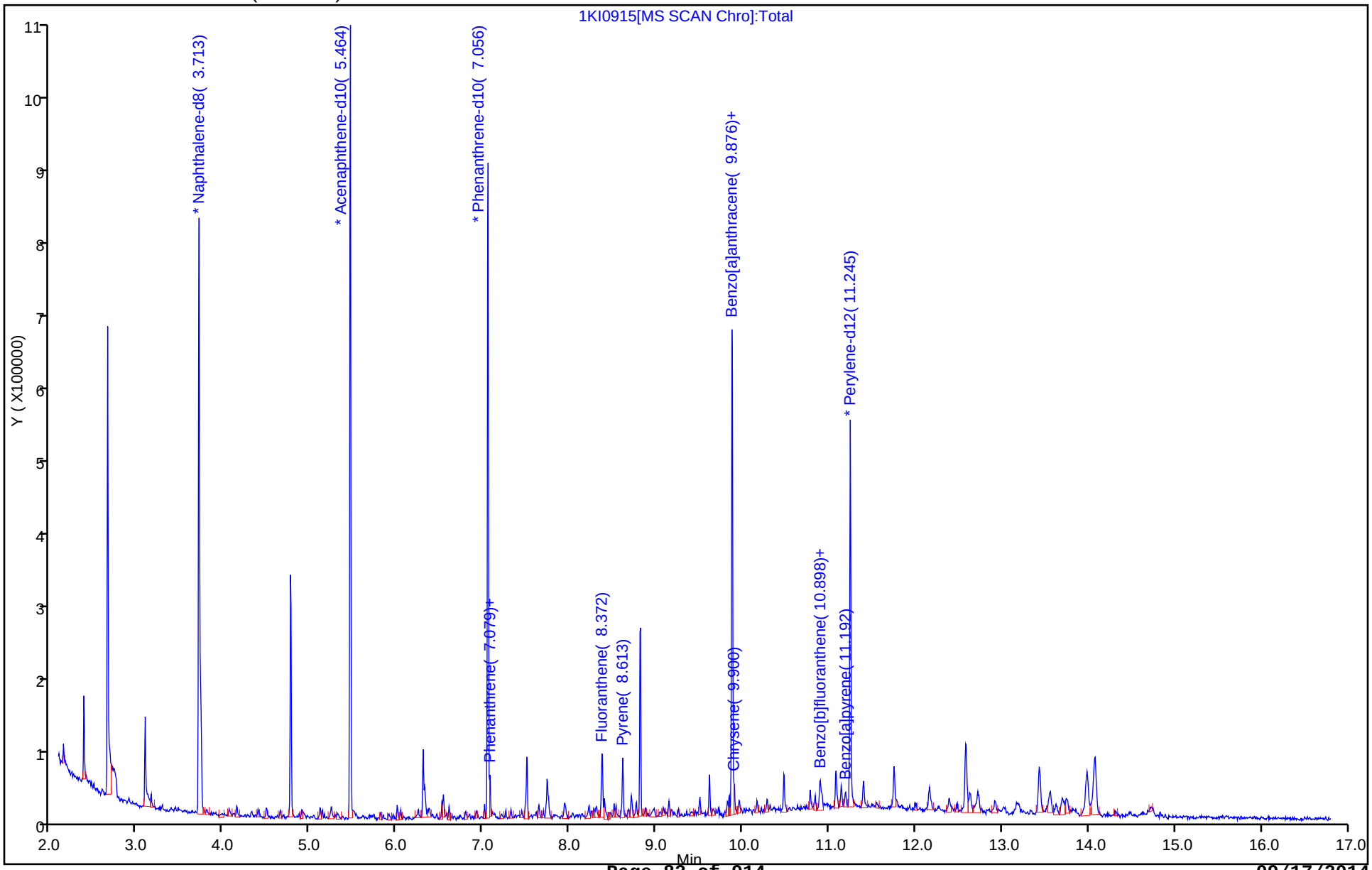
SM-LLISTD_00106 Amount Added: 10.00 Units: uL Run Reagent

Report Date: 12-Sep-2014 10:31:53 Chrom Revision: 2.2 18-Aug-2014 12:17:36

TestAmerica Savannah

Data File:	\\SAVCHROM\ChromData\CMSK\20140909-12643.b\1KI0915.D				
Injection Date:	09-Sep-2014 14:53:30	Instrument ID:	CMSK	Operator ID:	RM
Lims ID:	680-104968-A-4-A	Lab Sample ID:	680-104968-4	Worklist Smp#:	15
Client ID:	CV0965C-CS24				
Injection Vol:	2.0 ul	Dil. Factor:	10.0000	ALS Bottle#:	15
Method:	8270_LLPAH_CMSK	Limit Group:	8270D_LL_PAH		

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

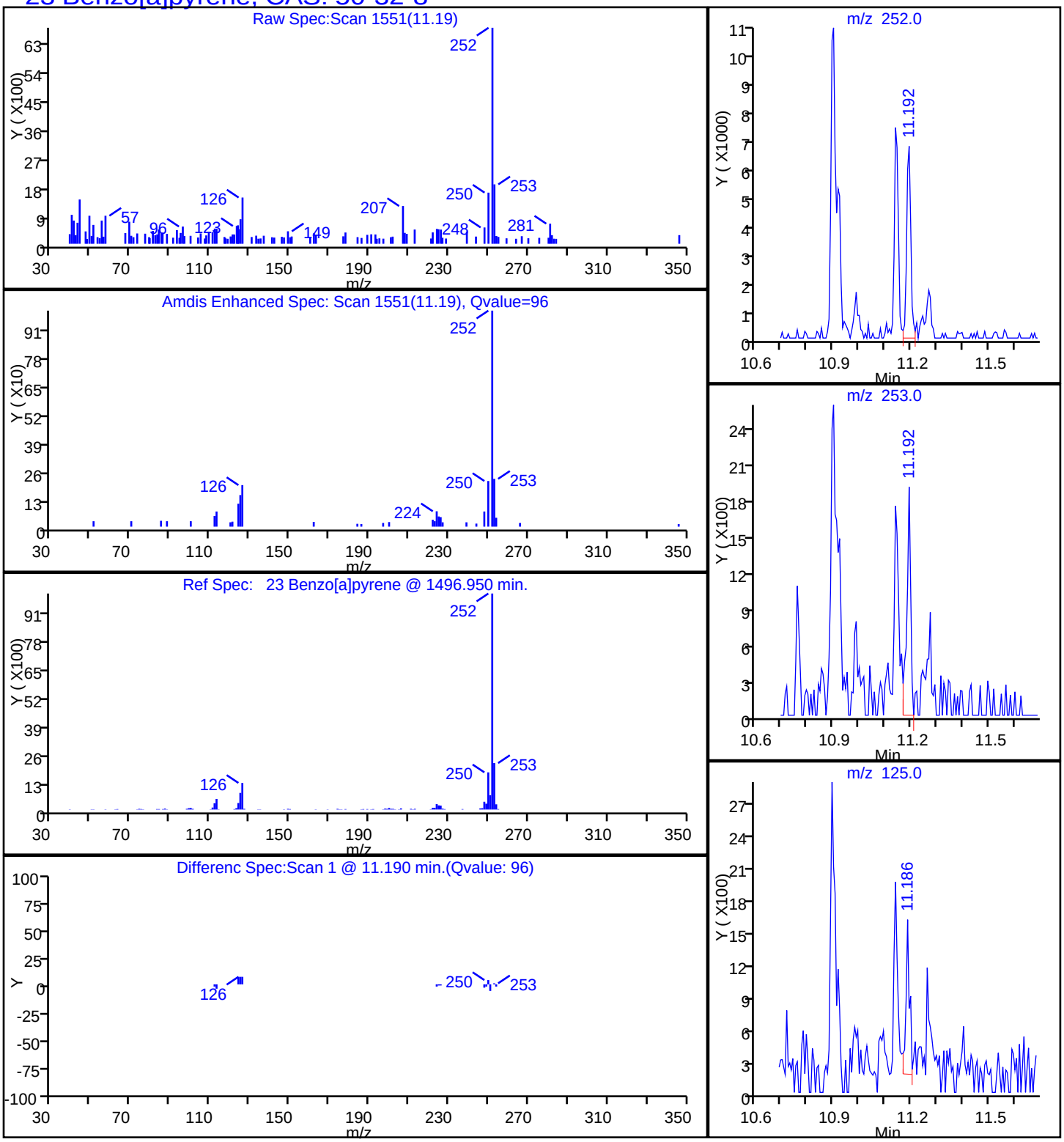


Report Date: 12-Sep-2014 10:31:54 Chrom Revision: 2.2 18-Aug-2014 12:17:36

TestAmerica Savannah

Data File:	\\SAVCHROM\ChromData\CMSK\20140909-12643.b\1KI0915.D				
Injection Date:	09-Sep-2014 14:53:30	Instrument ID:	CMSK		
Lims ID:	680-104968-A-4-A	Lab Sample ID:	680-104968-4		
Client ID:	CV0965C-CS24				
Operator ID:	RM	ALS Bottle#:	15	Worklist Smp#:	15
Injection Vol:	2.0 ul	Dil. Factor:	10.0000		
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

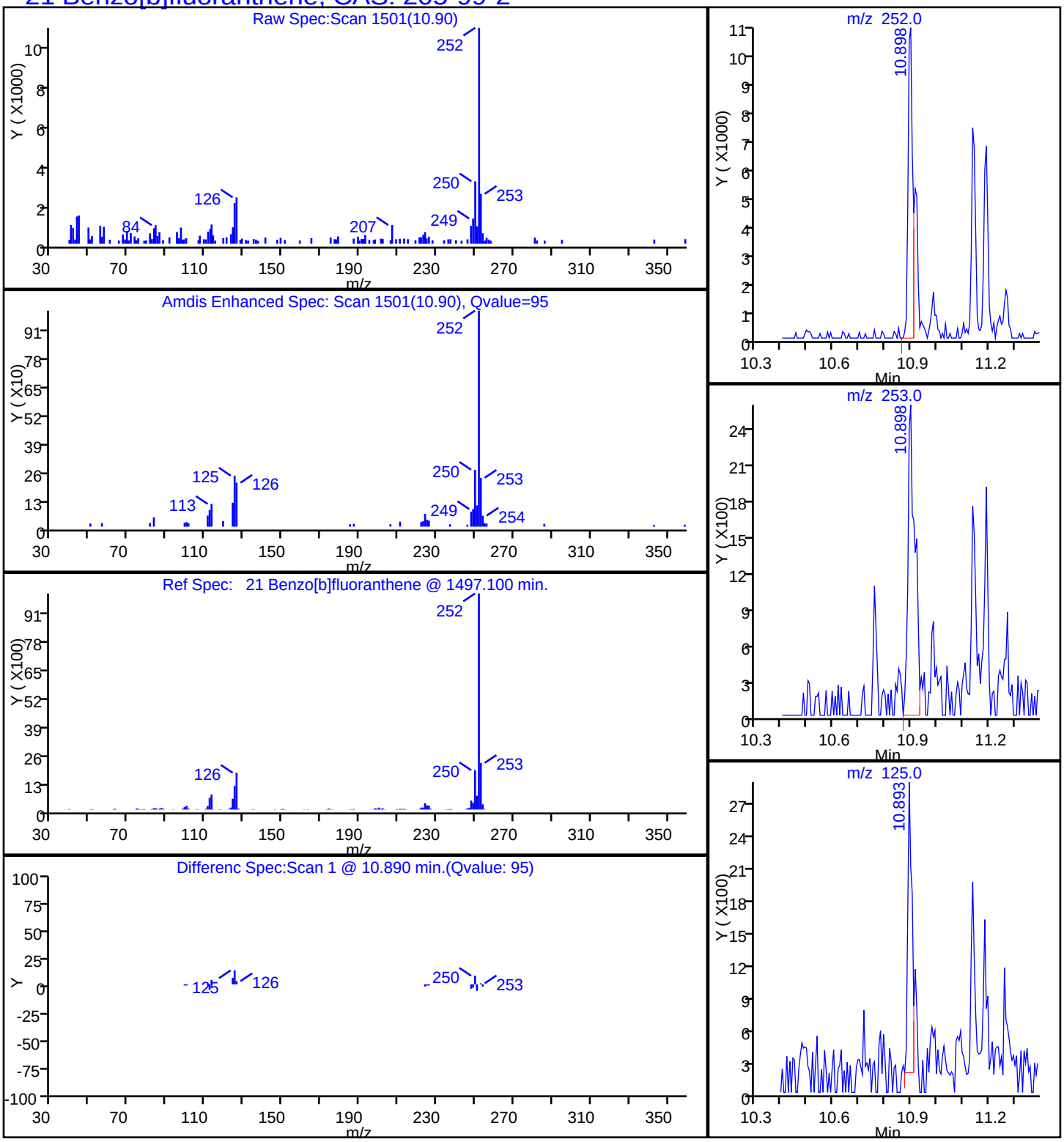


Report Date: 12-Sep-2014 10:31:54 Chrom Revision: 2.2 18-Aug-2014 12:17:36

TestAmerica Savannah

Data File:	\\SAVCHROM\ChromData\CMSK\20140909-12643.b\1KI0915.D				
Injection Date:	09-Sep-2014 14:53:30	Instrument ID:	CMSK		
Lims ID:	680-104968-A-4-A	Lab Sample ID:	680-104968-4		
Client ID:	CV0965C-CS24				
Operator ID:	RM	ALS Bottle#:	15	Worklist Smp#:	15
Injection Vol:	2.0 ul	Dil. Factor:	10.0000		
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

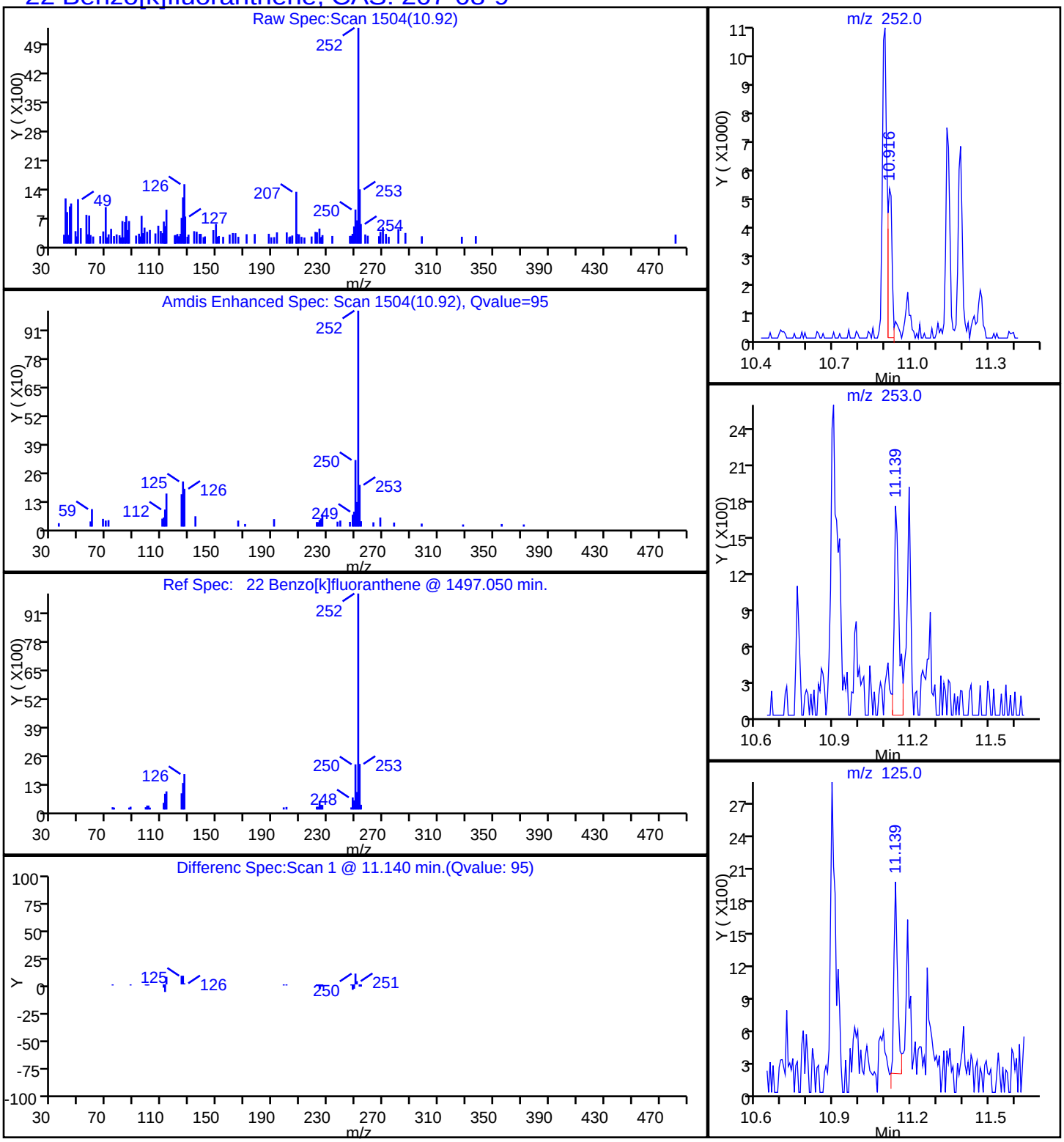


Report Date: 12-Sep-2014 10:31:54 Chrom Revision: 2.2 18-Aug-2014 12:17:36

TestAmerica Savannah

Data File:	\\SAVCHROM\ChromData\CMSK\20140909-12643.b\1KI0915.D				
Injection Date:	09-Sep-2014 14:53:30	Instrument ID:	CMSK		
Lims ID:	680-104968-A-4-A	Lab Sample ID:	680-104968-4		
Client ID:	CV0965C-CS24				
Operator ID:	RM	ALS Bottle#:	15	Worklist Smp#:	15
Injection Vol:	2.0 ul	Dil. Factor:	10.0000		
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

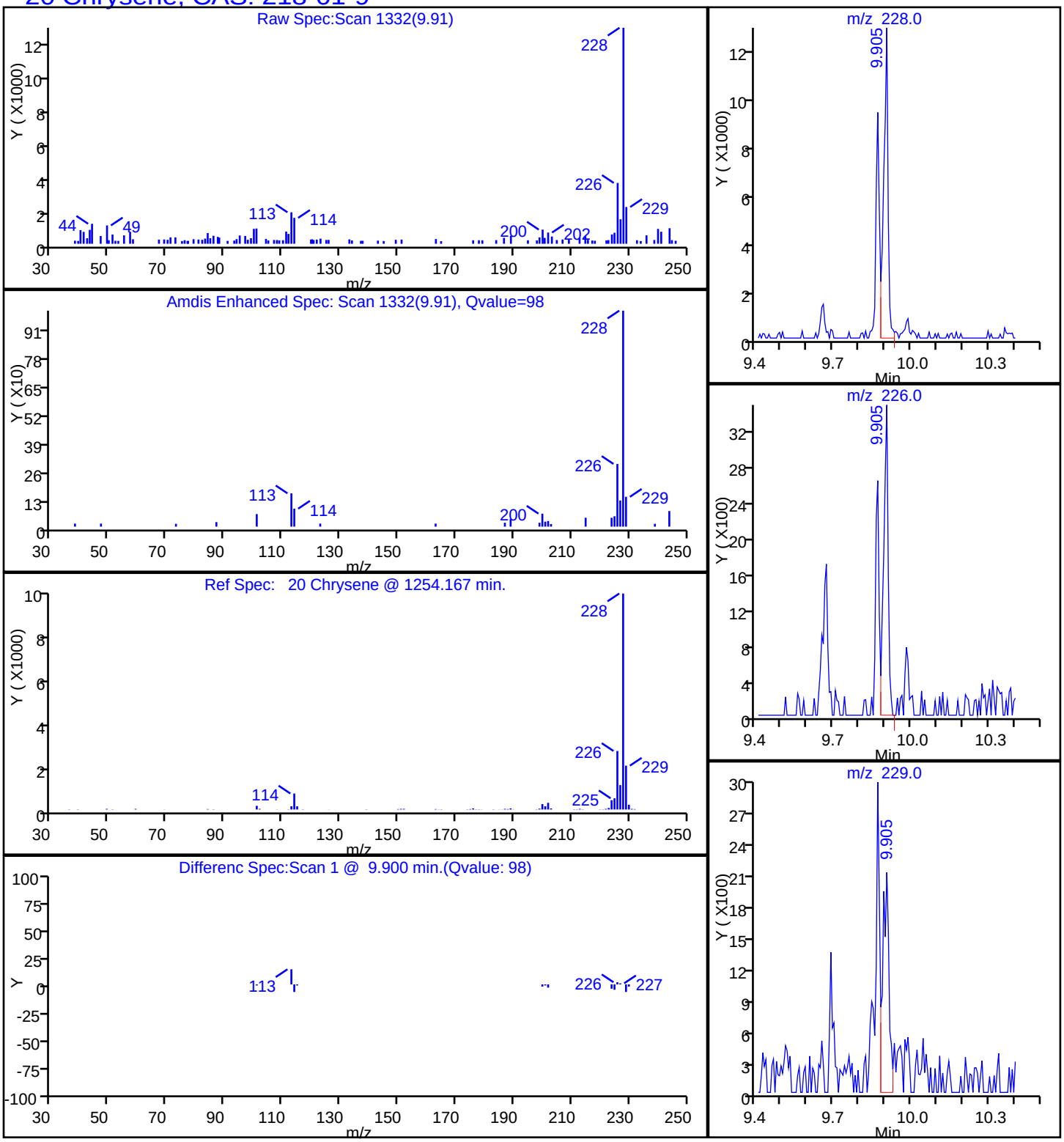


Report Date: 12-Sep-2014 10:31:54 Chrom Revision: 2.2 18-Aug-2014 12:17:36

TestAmerica Savannah

Data File:	\\SAVCHROM\ChromData\CMSK\20140909-12643.b\1KI0915.D				
Injection Date:	09-Sep-2014 14:53:30	Instrument ID:	CMSK		
Lims ID:	680-104968-A-4-A	Lab Sample ID:	680-104968-4		
Client ID:	CV0965C-CS24				
Operator ID:	RM	ALS Bottle#:	15	Worklist Smp#:	15
Injection Vol:	2.0 ul	Dil. Factor:	10.0000		
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

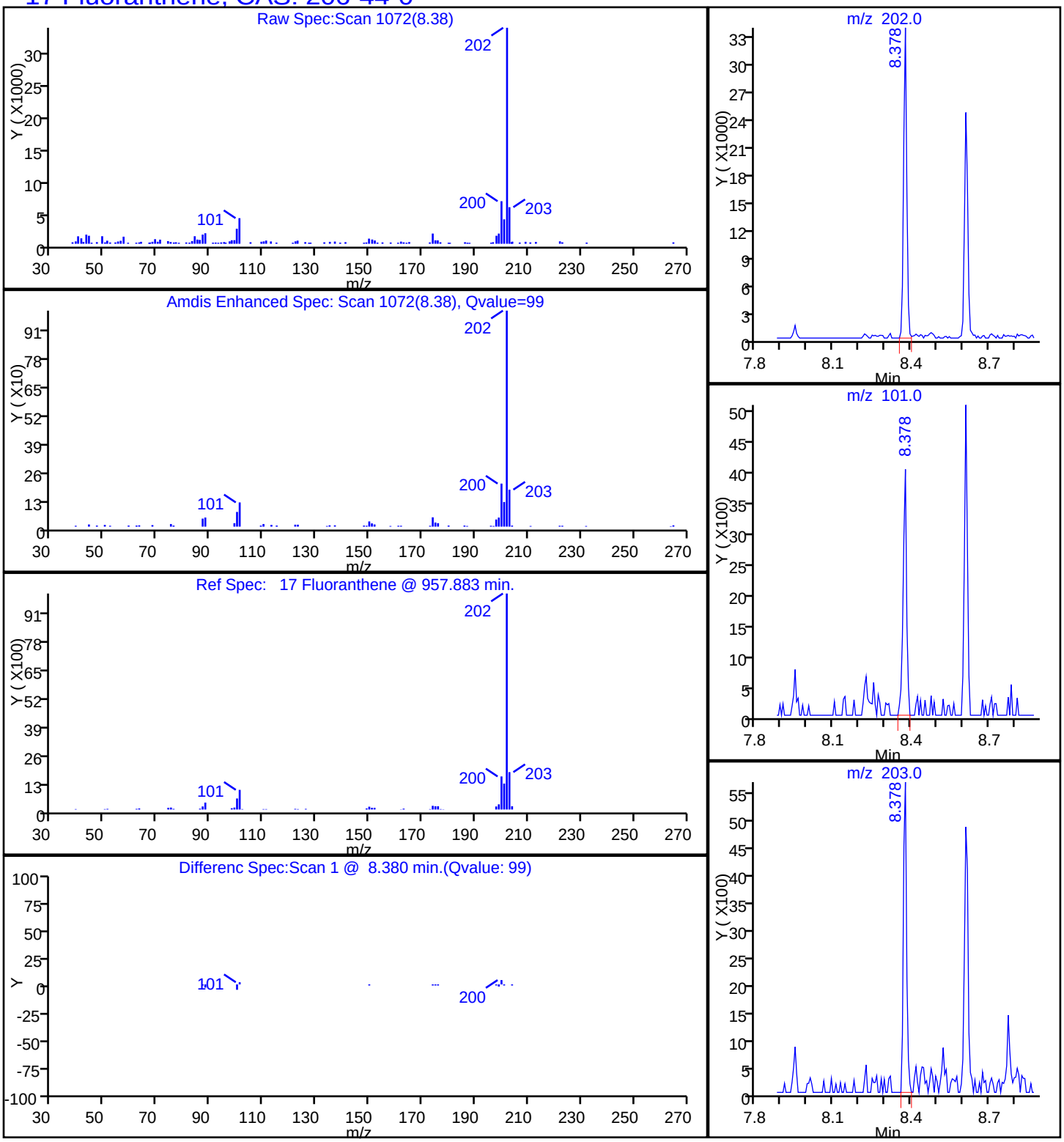


Report Date: 12-Sep-2014 10:31:53 Chrom Revision: 2.2 18-Aug-2014 12:17:36

TestAmerica Savannah

Data File:	\\SAVCHROM\ChromData\CMSK\20140909-12643.b\1KI0915.D				
Injection Date:	09-Sep-2014 14:53:30	Instrument ID:	CMSK		
Lims ID:	680-104968-A-4-A	Lab Sample ID:	680-104968-4		
Client ID:	CV0965C-CS24				
Operator ID:	RM	ALS Bottle#:	15	Worklist Smp#:	15
Injection Vol:	2.0 ul	Dil. Factor:	10.0000		
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

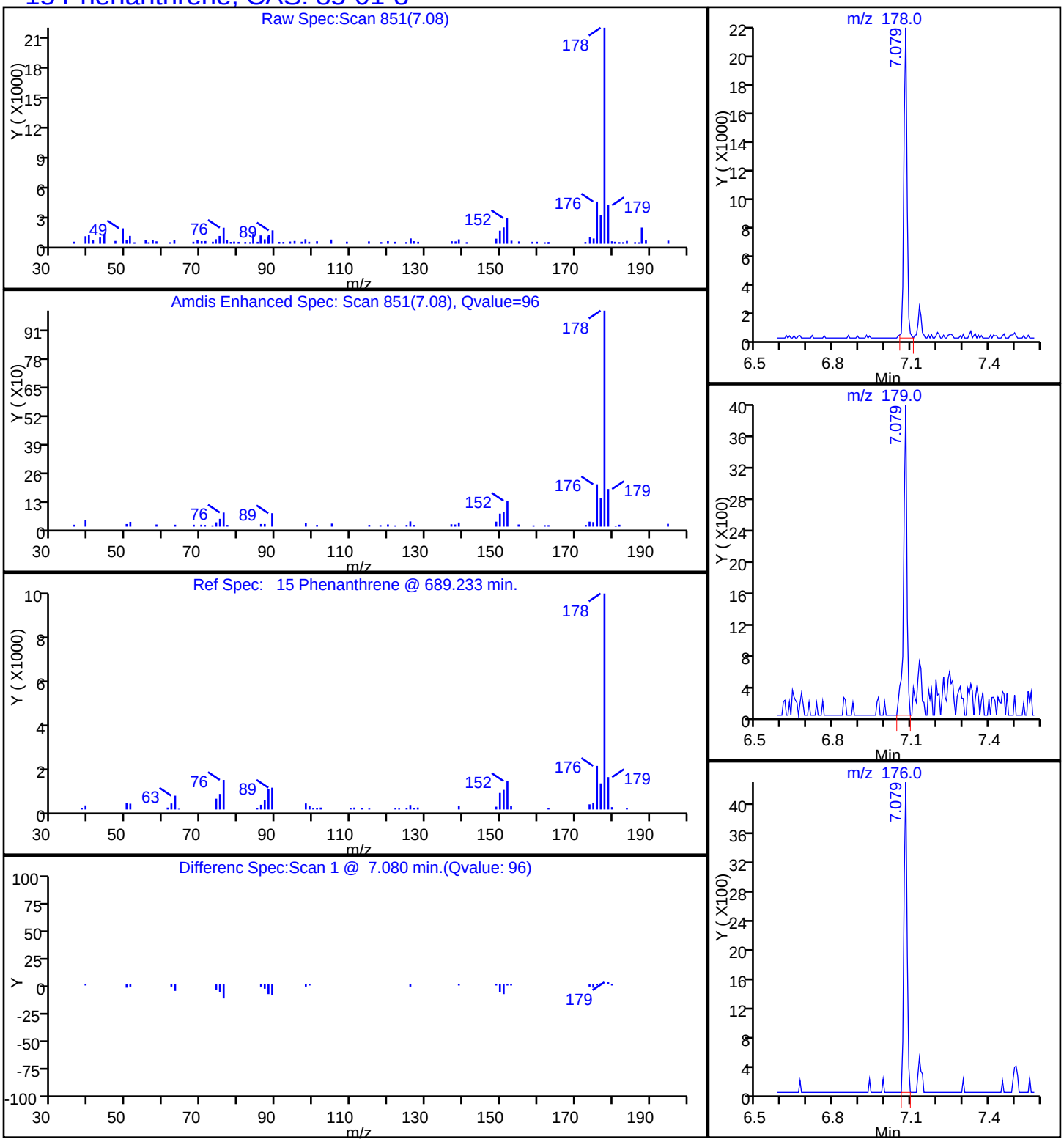


Report Date: 12-Sep-2014 10:31:53 Chrom Revision: 2.2 18-Aug-2014 12:17:36

TestAmerica Savannah

Data File:	\\SAVCHROM\ChromData\CMSK\20140909-12643.b\1KI0915.D				
Injection Date:	09-Sep-2014 14:53:30	Instrument ID:	CMSK		
Lims ID:	680-104968-A-4-A	Lab Sample ID:	680-104968-4		
Client ID:	CV0965C-CS24				
Operator ID:	RM	ALS Bottle#:	15	Worklist Smp#:	15
Injection Vol:	2.0 ul	Dil. Factor:	10.0000		
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

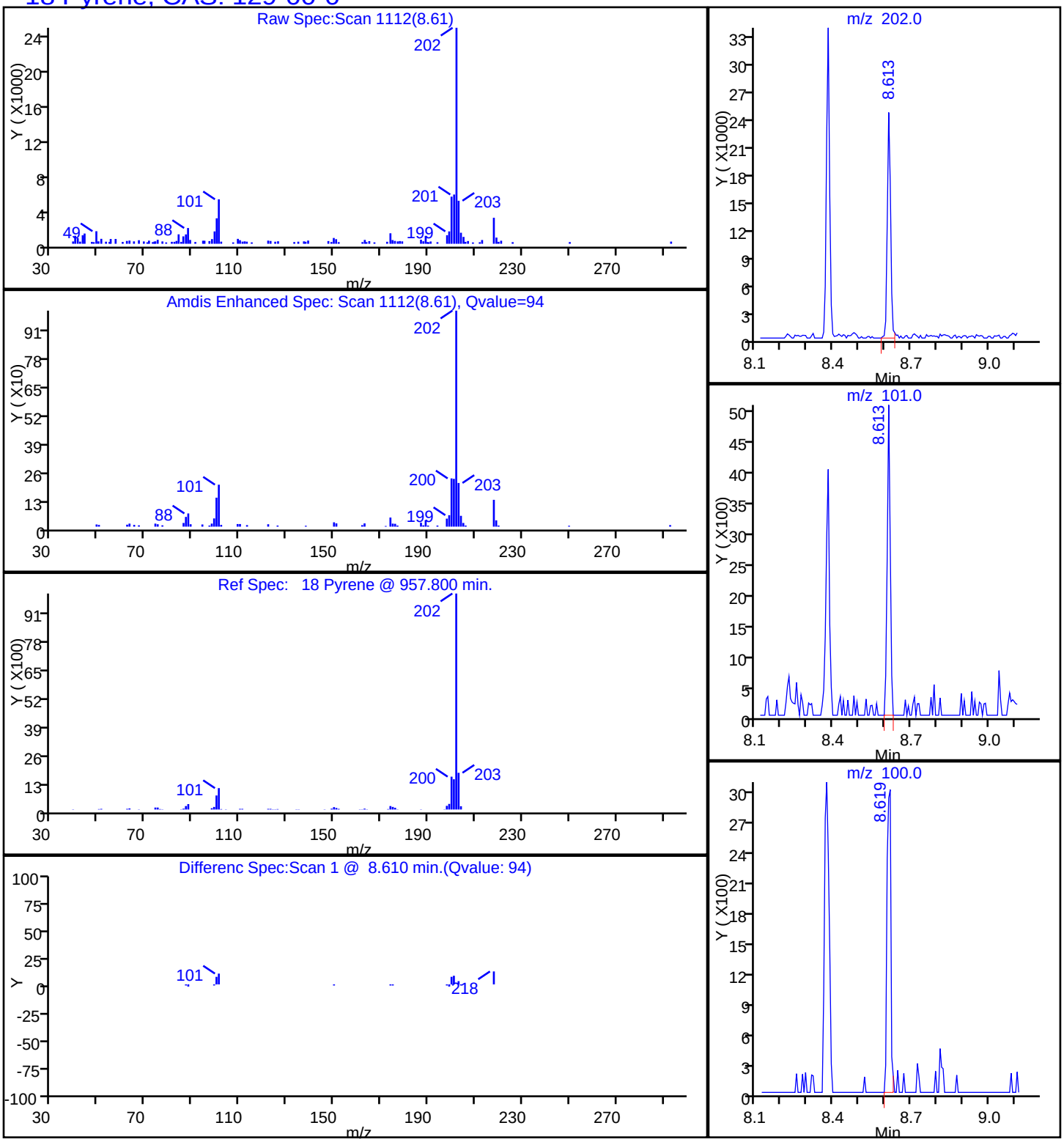


Report Date: 12-Sep-2014 10:31:53 Chrom Revision: 2.2 18-Aug-2014 12:17:36

TestAmerica Savannah

Data File:	\\SAVCHROM\ChromData\CMSK\20140909-12643.b\1KI0915.D				
Injection Date:	09-Sep-2014 14:53:30	Instrument ID:	CMSK		
Lims ID:	680-104968-A-4-A	Lab Sample ID:	680-104968-4		
Client ID:	CV0965C-CS24				
Operator ID:	RM	ALS Bottle#:	15	Worklist Smp#:	15
Injection Vol:	2.0 ul	Dil. Factor:	10.0000		
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

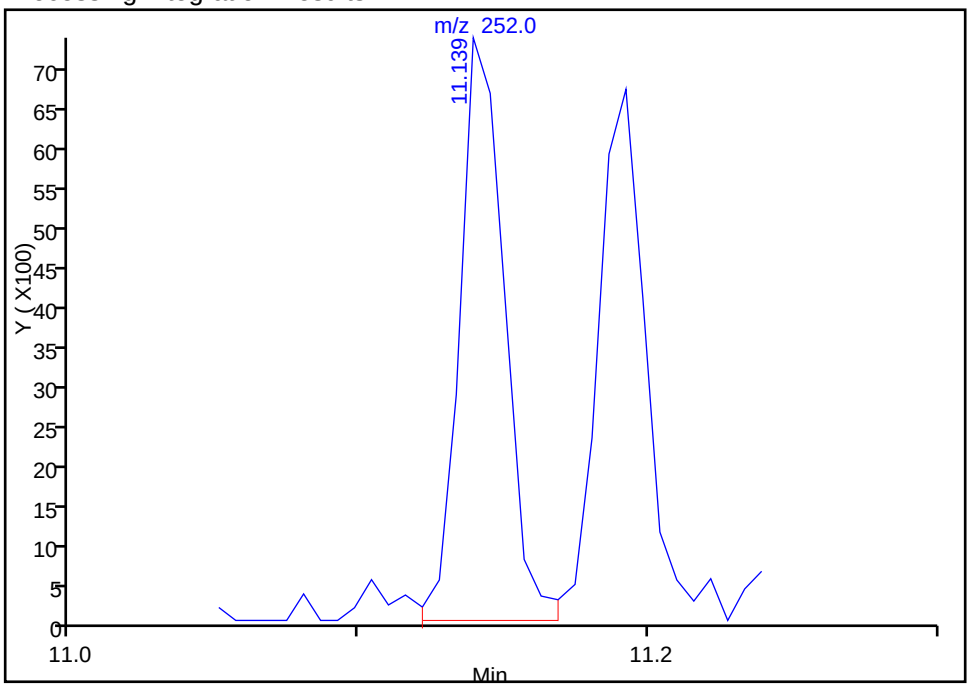
TestAmerica Savannah

Data File:	\\SAVCHROM\ChromData\CMSK\20140909-12643.b\1KI0915.D				
Injection Date:	09-Sep-2014 14:53:30	Instrument ID:	CMSK		
Lims ID:	680-104968-A-4-A	Lab Sample ID:	680-104968-4		
Client ID:	CV0965C-CS24				
Operator ID:	RM	ALS Bottle#:	15	Worklist Smp#:	15
Injection Vol:	2.0 ul	Dil. Factor:	10.0000		
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

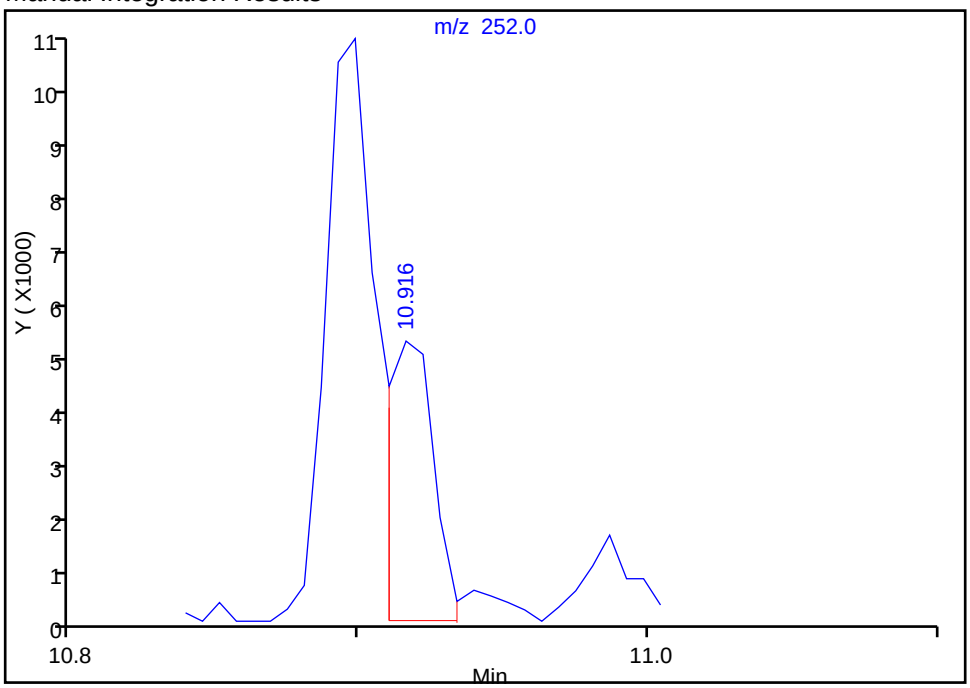
Processing Integration Results

RT: 11.14
Response: 7990
Amount: 0.081461



Manual Integration Results

RT: 10.92
Response: 5948
Amount: 0.060642



Reviewer: webbk, 09-Sep-2014 15:29:39
Audit Action: Manually Integrated
Audit Reason: Split Peak

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Savannah
Job No.: 680-104968-1
SDG No.: 680-104968-01
Client Sample ID: CV0755A-CS6
Lab Sample ID: 680-104968-5
Matrix: Solid
Lab File ID: 1KI0916.D
Analysis Method: 8270D_LL_PAH
Date Collected: 09/04/2014 08:45
Extract. Method: 3546
Date Extracted: 09/06/2014 12:38
Sample wt/vol: 30.04(g)
Date Analyzed: 09/09/2014 15:17
Con. Extract Vol.: 1(mL)
Dilution Factor: 20
Injection Volume: 2(uL)
Level: (low/med) Low
% Moisture: 9.3
GPC Cleanup:(Y/N) N
Analysis Batch No.: 347967
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	89	J	150	73
50-32-8	Benzo[a]pyrene	77	J	150	26
205-99-2	Benzo[b]fluoranthene	160		150	73
191-24-2	Benzo[g,h,i]perylene	150	U	150	73
207-08-9	Benzo[k]fluoranthene	48	J	150	44
218-01-9	Chrysene	170		150	73
53-70-3	Dibenz(a,h)anthracene	150	U	150	73
206-44-0	Fluoranthene	140	J	150	73
86-73-7	Fluorene	150	U	150	73
193-39-5	Indeno[1,2,3-cd]pyrene	150	U	150	73
90-12-0	1-Methylnaphthalene	150	U	150	68
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	110	J	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\20140909-12643.b\1KI0916.D				
Lims ID:	680-104968-A-5-A	Lab Sample ID:	680-104968-5		
Client ID:	CV0755A-CS6				
Sample Type:	Client				
Inject. Date:	09-Sep-2014 15:17:30	ALS Bottle#:	16	Worklist Smp#:	16
Injection Vol:	2.0 ul	Dil. Factor:	20.0000		
Sample Info:	680-104968-A-5-A				
Misc. Info.:	680-0012643-016				
Operator ID:	RM	Instrument ID:	CMSK		

Method:	\\SAVCHROM\ChromData\CMSK\20140909-12643.b\8270_LLPAH_CMSK.m		
Limit Group:	8270D_LL_PAH		
Last Update:	12-Sep-2014 10:29:51	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:	XAWRK027	

First Level Reviewer: webbk Date: 09-Sep-2014 15:46:36

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/ml	Flags
* 1 Naphthalene-d8	136	3.713	3.713	0.000	98	515609	2.00	
* 2 Acenaphthene-d10	164	5.463	5.464	-0.001	91	262439	2.00	
* 3 Phenanthrene-d10	188	7.056	7.056	0.000	98	350335	2.00	
* 4 Chrysene-d12	240	9.882	9.882	0.000	98	259240	2.00	
* 5 Perylene-d12	264	11.245	11.239	0.006	96	214075	2.00	
7 Naphthalene	128	3.730	3.730	0.000	49	15104	0.0560	
9 2-Methylnaphthalene	142	4.394	4.394	0.000	82	9900	0.0628	
8 1-Methylnaphthalene	142	4.494	4.494	0.000	62	10194	0.0690	
15 Phenanthrene	178	7.079	7.079	0.000	52	35027	0.1739	
16 Anthracene	178	7.138	7.132	0.006	66	2847	0.0155	7
17 Fluoranthene	202	8.378	8.378	0.000	97	35017	0.1918	
18 Pyrene	202	8.613	8.613	0.000	93	30554	0.1523	
19 Benzo[a]anthracene	228	9.870	9.870	0.000	50	16492	0.1218	
20 Chrysene	228	9.905	9.906	-0.001	86	29418	0.2260	
21 Benzo[b]fluoranthene	252	10.892	10.893	-0.001	87	28028	0.2151	M
22 Benzo[k]fluoranthene	252	10.916	10.916	0.000	93	8624	0.0657	7M
23 Benzo[a]pyrene	252	11.186	11.186	0.000	92	12214	0.1055	

QC Flag Legend

Processing Flags
7 - Failed Limit of Detection
Review Flags
M - Manually Integrated

Reagents:

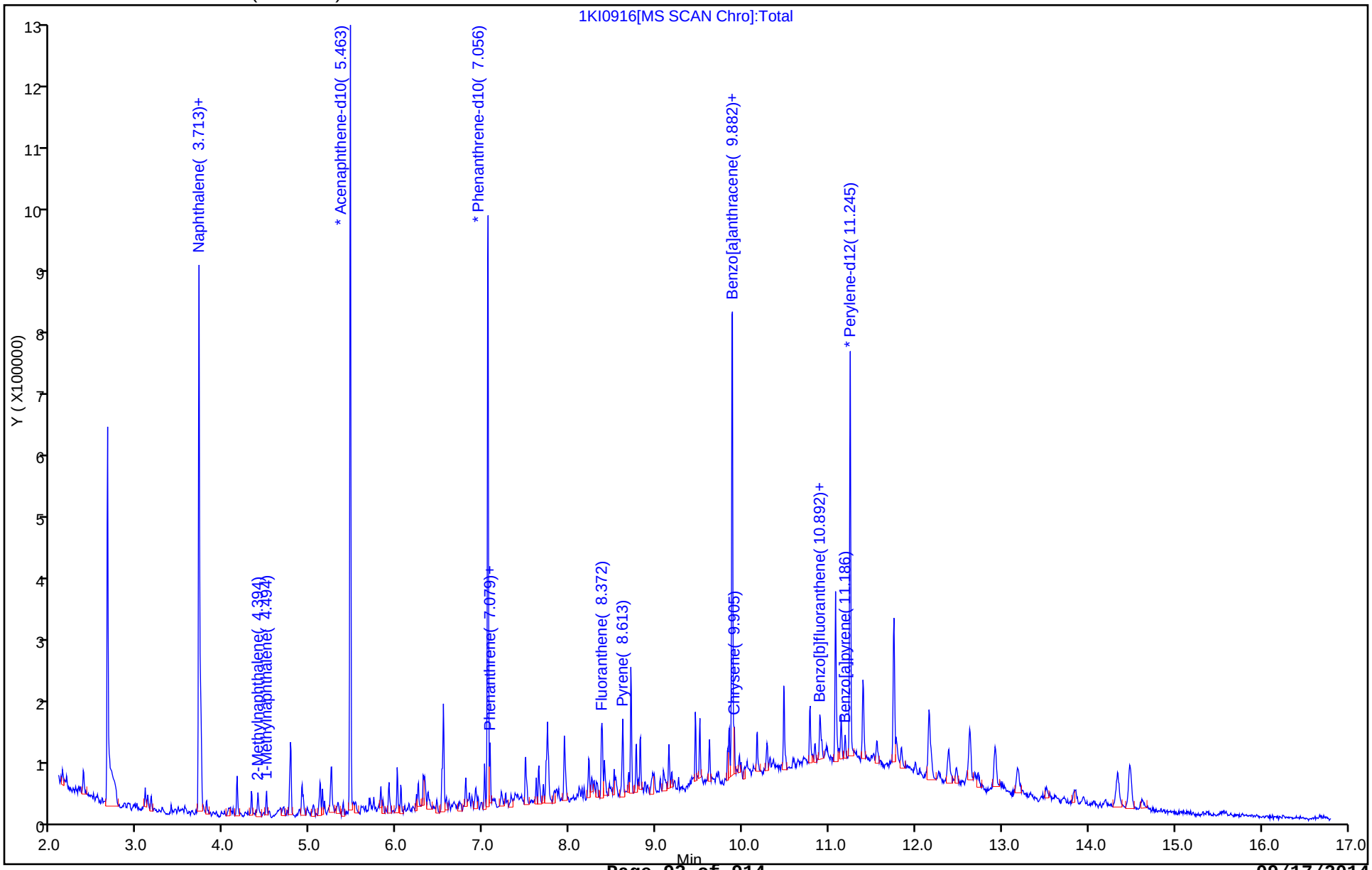
SM-LLISTD_00106 Amount Added: 10.00 Units: uL Run Reagent

Report Date: 12-Sep-2014 10:30:10 Chrom Revision: 2.2 18-Aug-2014 12:17:36

TestAmerica Savannah

Data File:	\\SAVCHROM\ChromData\CMSK\20140909-12643.b\1KI0916.D				
Injection Date:	09-Sep-2014 15:17:30	Instrument ID:	CMSK	Operator ID:	RM
Lims ID:	680-104968-A-5-A	Lab Sample ID:	680-104968-5	Worklist Smp#:	16
Client ID:	CV0755A-CS6				
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)

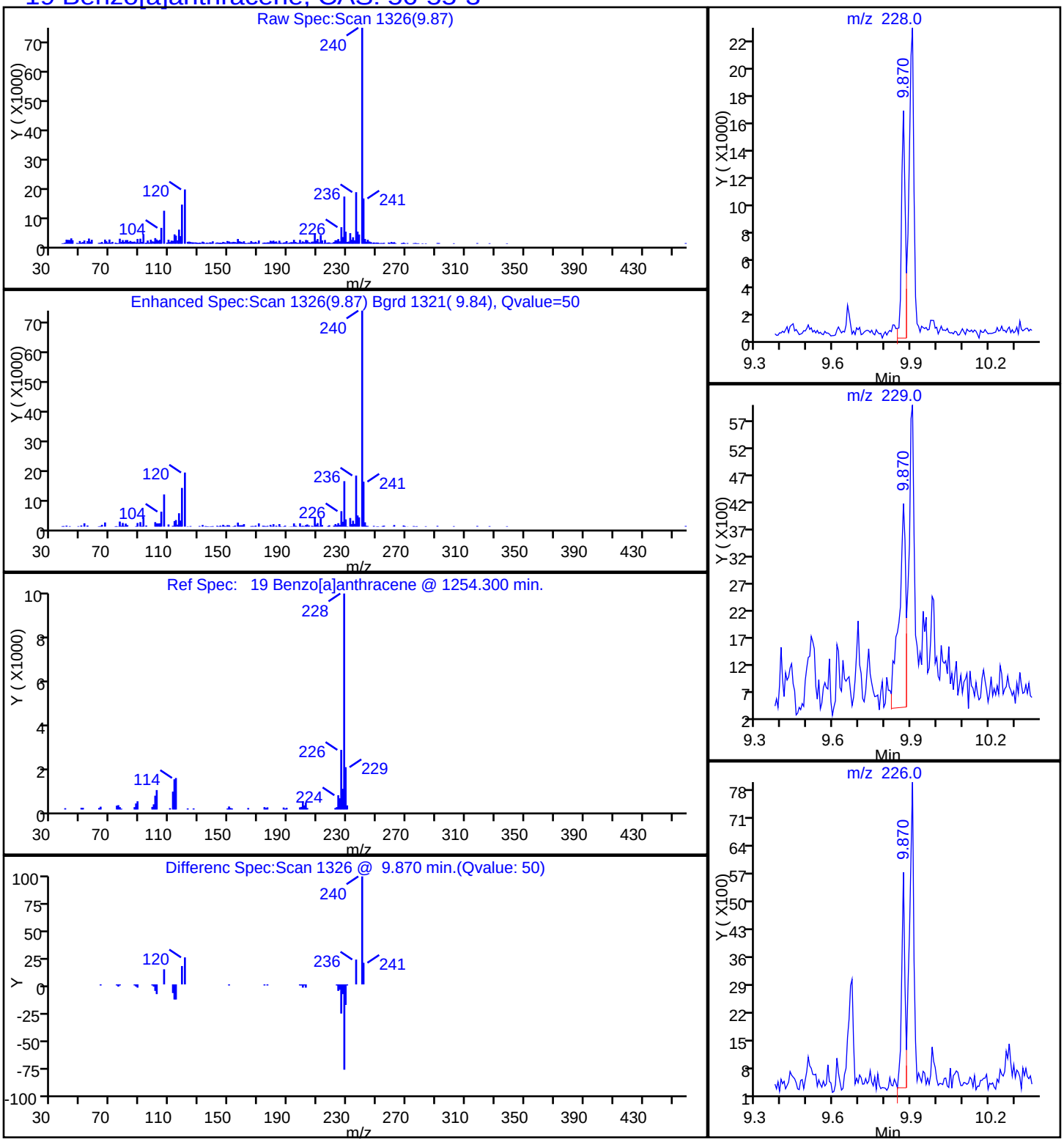


Report Date: 12-Sep-2014 10:30:11 Chrom Revision: 2.2 18-Aug-2014 12:17:36

TestAmerica Savannah

Data File:	\\SAVCHROM\ChromData\CMSK\20140909-12643.b\1KI0916.D				
Injection Date:	09-Sep-2014 15:17:30	Instrument ID:	CMSK		
Lims ID:	680-104968-A-5-A	Lab Sample ID:	680-104968-5		
Client ID:	CV0755A-CS6				
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

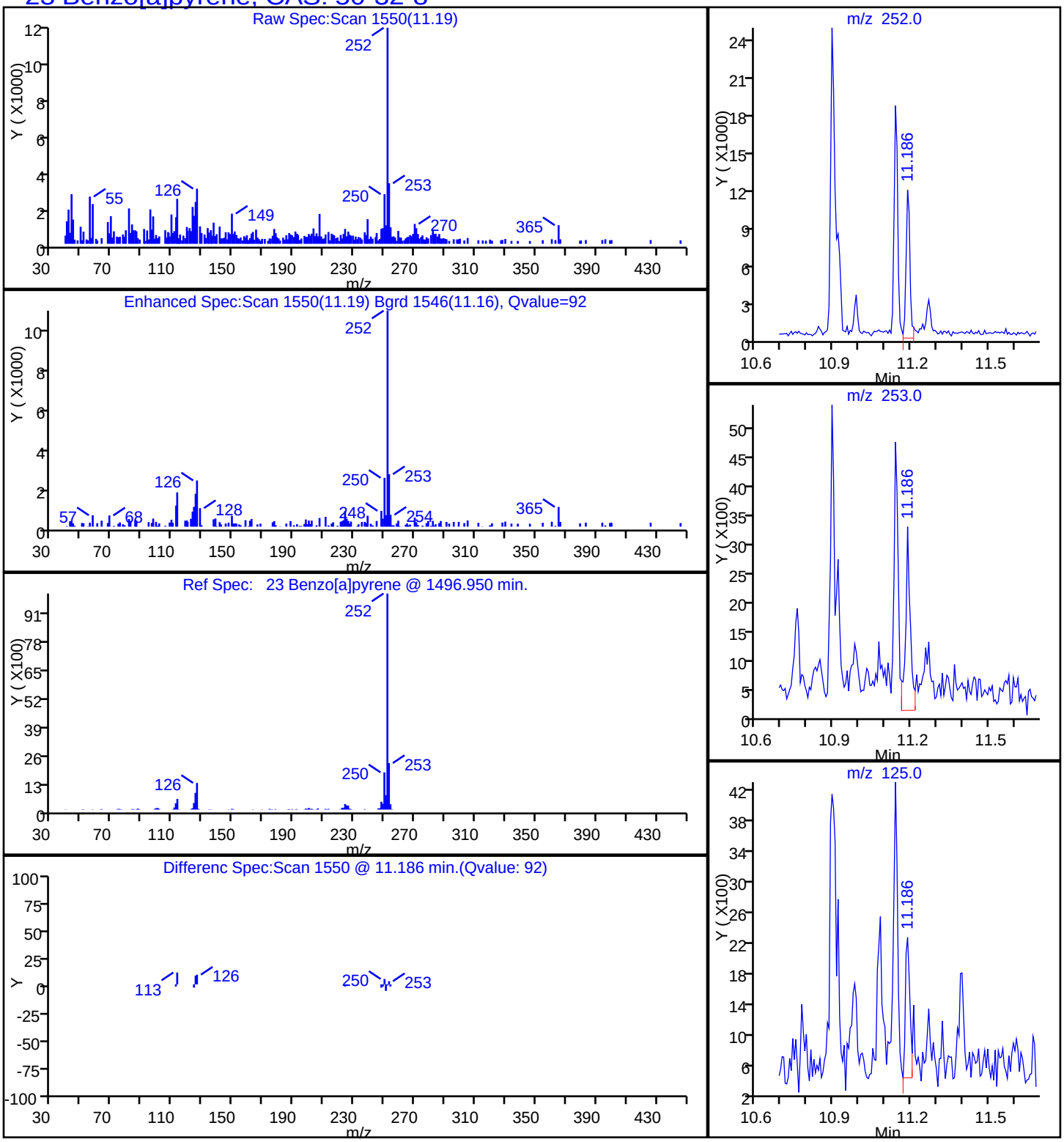


Report Date: 12-Sep-2014 10:30:11 Chrom Revision: 2.2 18-Aug-2014 12:17:36

TestAmerica Savannah

Data File:	\\SAVCHROM\ChromData\CMSK\20140909-12643.b\1KI0916.D				
Injection Date:	09-Sep-2014 15:17:30	Instrument ID:	CMSK		
Lims ID:	680-104968-A-5-A	Lab Sample ID:	680-104968-5		
Client ID:	CV0755A-CS6				
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

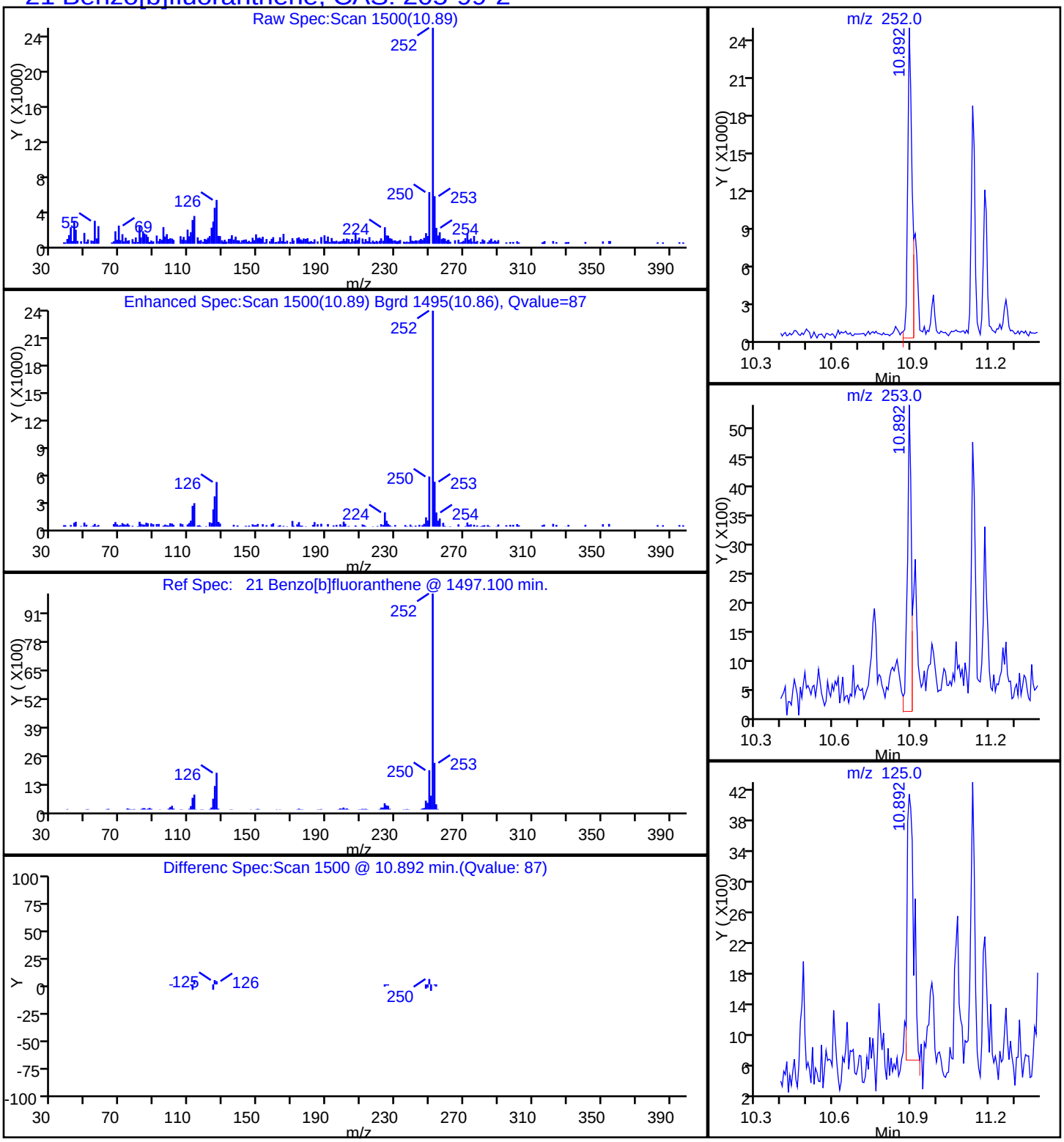


Report Date: 12-Sep-2014 10:30:11 Chrom Revision: 2.2 18-Aug-2014 12:17:36

TestAmerica Savannah

Data File:	\\SAVCHROM\ChromData\CMSK\20140909-12643.b\1KI0916.D				
Injection Date:	09-Sep-2014 15:17:30	Instrument ID:	CMSK		
Lims ID:	680-104968-A-5-A	Lab Sample ID:	680-104968-5		
Client ID:	CV0755A-CS6				
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

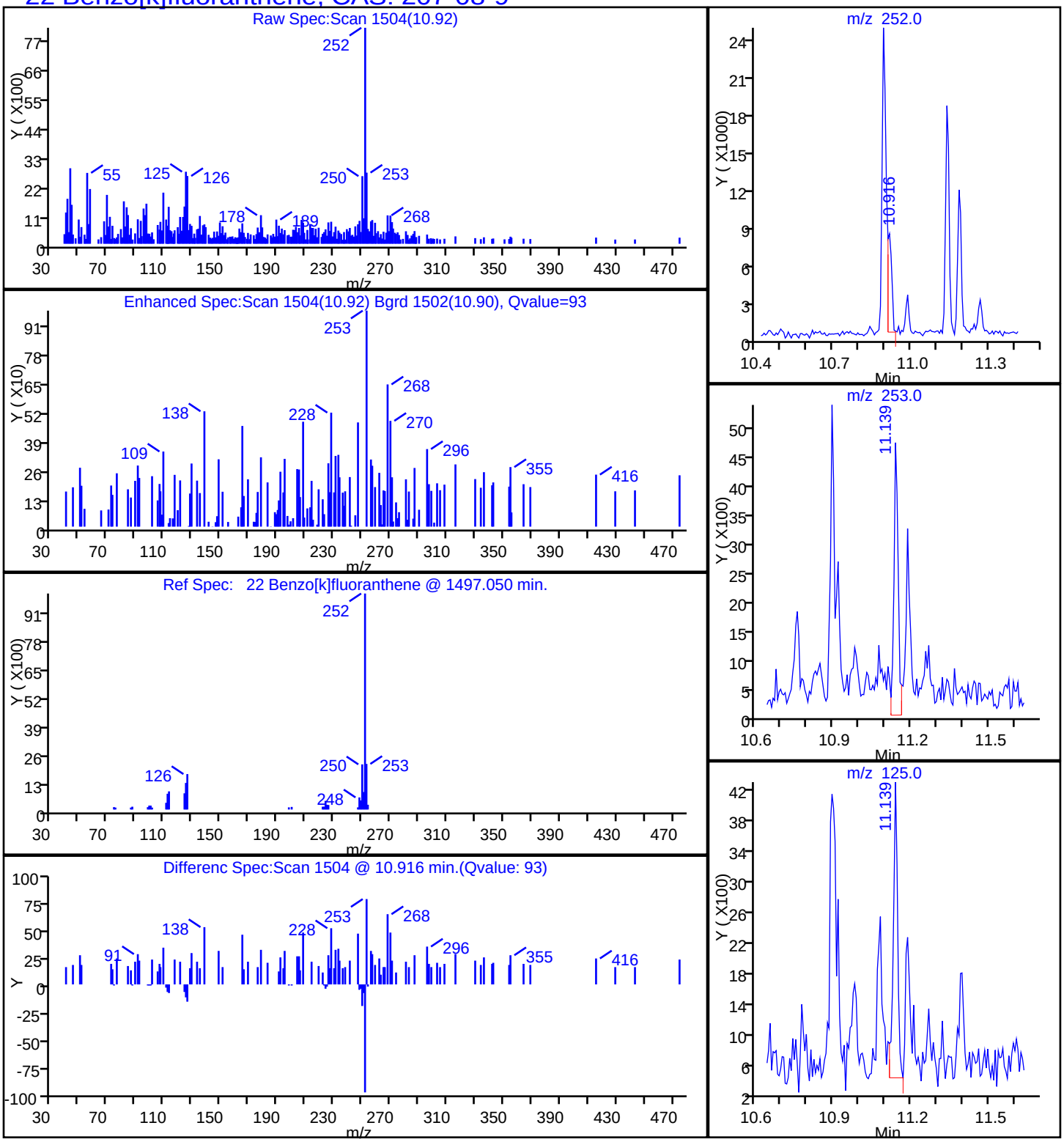


Report Date: 12-Sep-2014 10:30:11 Chrom Revision: 2.2 18-Aug-2014 12:17:36

TestAmerica Savannah

Data File:	\\SAVCHROM\ChromData\CMSK\20140909-12643.b\1KI0916.D				
Injection Date:	09-Sep-2014 15:17:30	Instrument ID:	CMSK		
Lims ID:	680-104968-A-5-A	Lab Sample ID:	680-104968-5		
Client ID:	CV0755A-CS6				
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

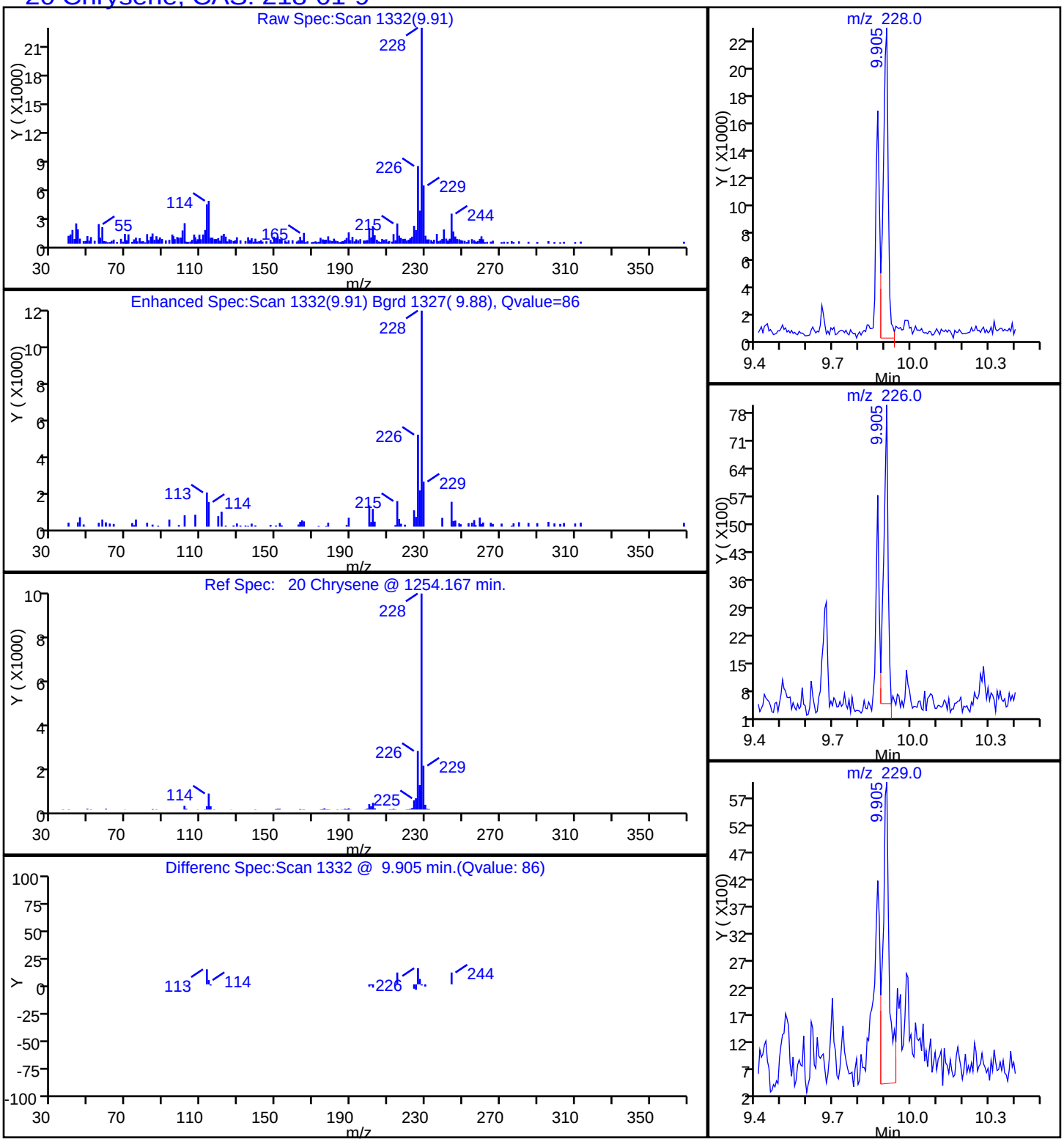


Report Date: 12-Sep-2014 10:30:11 Chrom Revision: 2.2 18-Aug-2014 12:17:36

TestAmerica Savannah

Data File:	\\SAVCHROM\ChromData\CMSK\20140909-12643.b\1KI0916.D				
Injection Date:	09-Sep-2014 15:17:30	Instrument ID:	CMSK		
Lims ID:	680-104968-A-5-A	Lab Sample ID:	680-104968-5		
Client ID:	CV0755A-CS6				
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

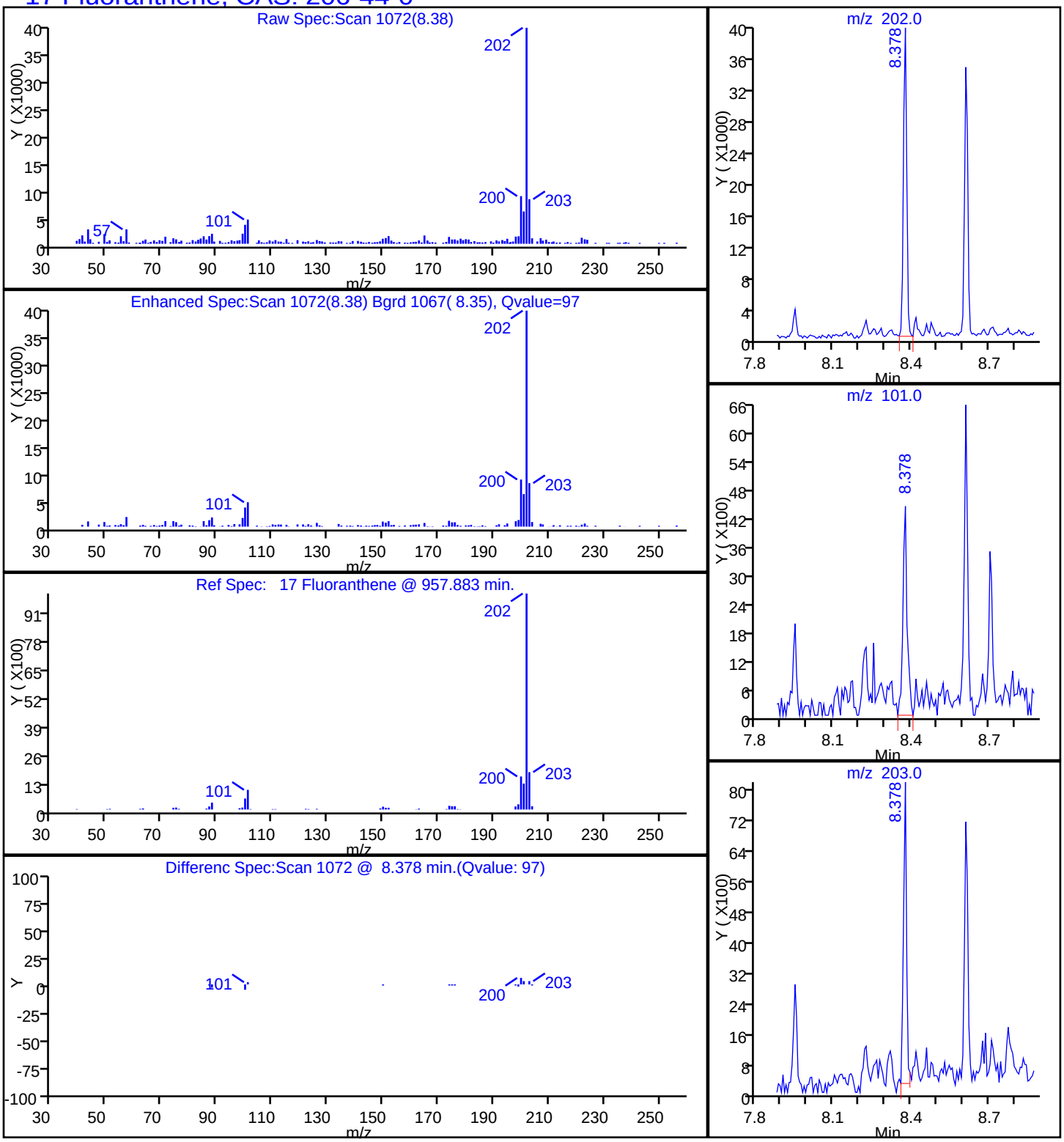


Report Date: 12-Sep-2014 10:30:11 Chrom Revision: 2.2 18-Aug-2014 12:17:36

TestAmerica Savannah

Data File:	\\SAVCHROM\ChromData\CMSK\20140909-12643.b\1KI0916.D				
Injection Date:	09-Sep-2014 15:17:30	Instrument ID:	CMSK		
Lims ID:	680-104968-A-5-A	Lab Sample ID:	680-104968-5		
Client ID:	CV0755A-CS6				
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

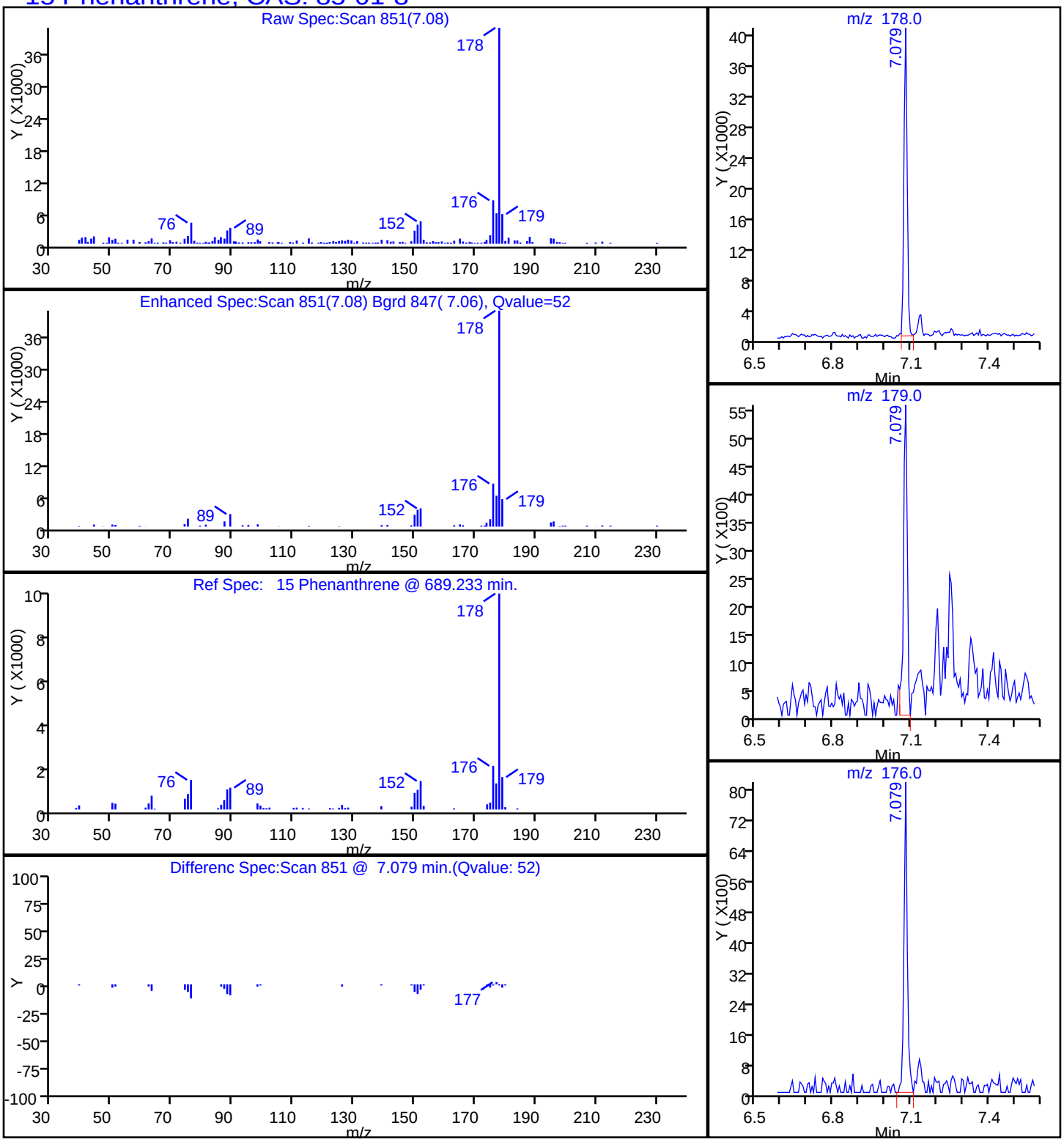


Report Date: 12-Sep-2014 10:30:10 Chrom Revision: 2.2 18-Aug-2014 12:17:36

TestAmerica Savannah

Data File:	\\SAVCHROM\ChromData\CMSK\20140909-12643.b\1KI0916.D				
Injection Date:	09-Sep-2014 15:17:30	Instrument ID:	CMSK		
Lims ID:	680-104968-A-5-A	Lab Sample ID:	680-104968-5		
Client ID:	CV0755A-CS6				
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

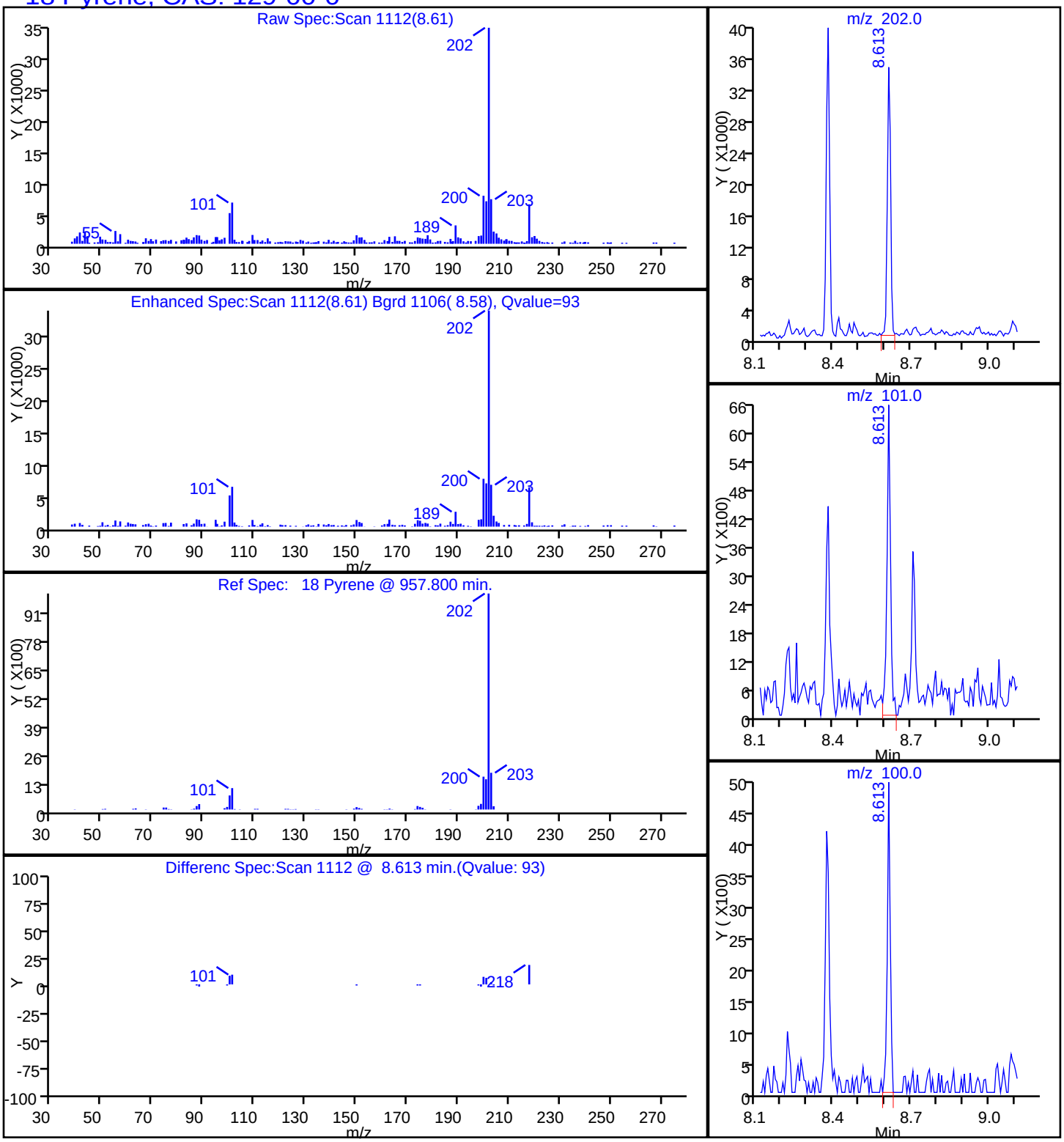


Report Date: 12-Sep-2014 10:30:11 Chrom Revision: 2.2 18-Aug-2014 12:17:36

TestAmerica Savannah

Data File:	\\SAVCHROM\ChromData\CMSK\20140909-12643.b\1KI0916.D				
Injection Date:	09-Sep-2014 15:17:30	Instrument ID:	CMSK		
Lims ID:	680-104968-A-5-A	Lab Sample ID:	680-104968-5		
Client ID:	CV0755A-CS6				
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

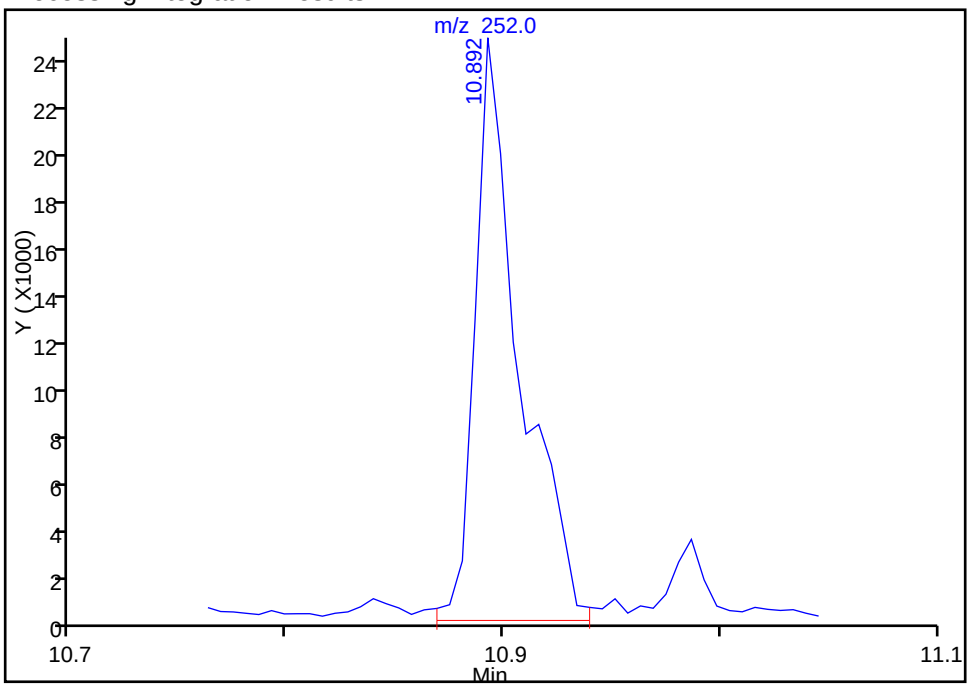
TestAmerica Savannah

Data File:	\\SAVCHROM\ChromData\CMSK\20140909-12643.b\1KI0916.D				
Injection Date:	09-Sep-2014 15:17:30	Instrument ID:	CMSK		
Lims ID:	680-104968-A-5-A	Lab Sample ID:	680-104968-5		
Client ID:	CV0755A-CS6				
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

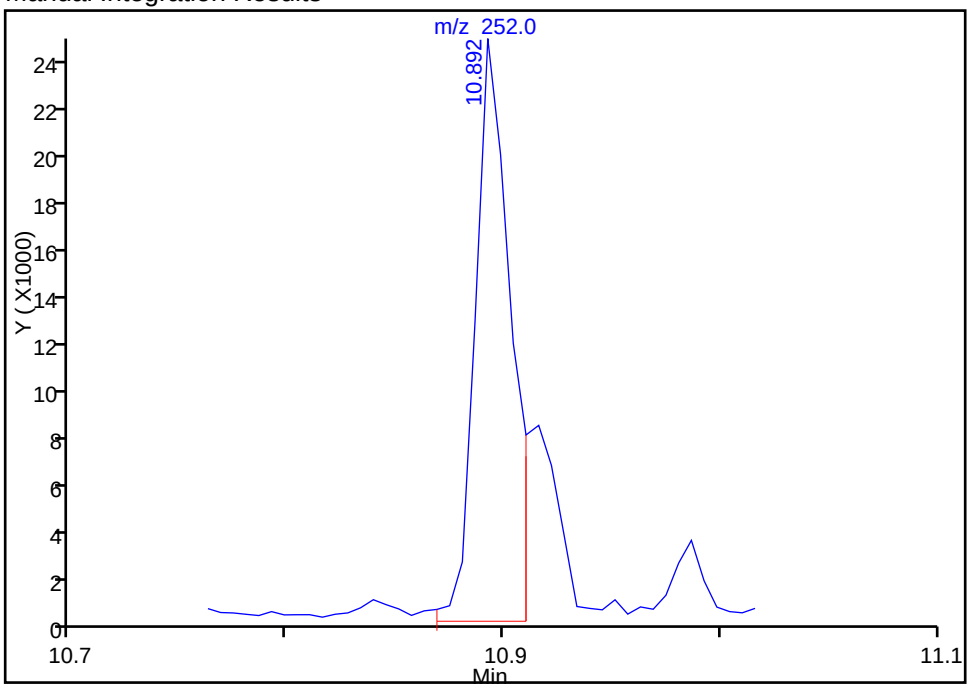
Processing Integration Results

RT: 10.89
Response: 34916
Amount: 0.267954



Manual Integration Results

RT: 10.89
Response: 28028
Amount: 0.215094



Reviewer: webbk, 09-Sep-2014 15:46:36
Audit Action: Manually Integrated
Audit Reason: Split Peak

Manual Integration/User Assign Peak Report

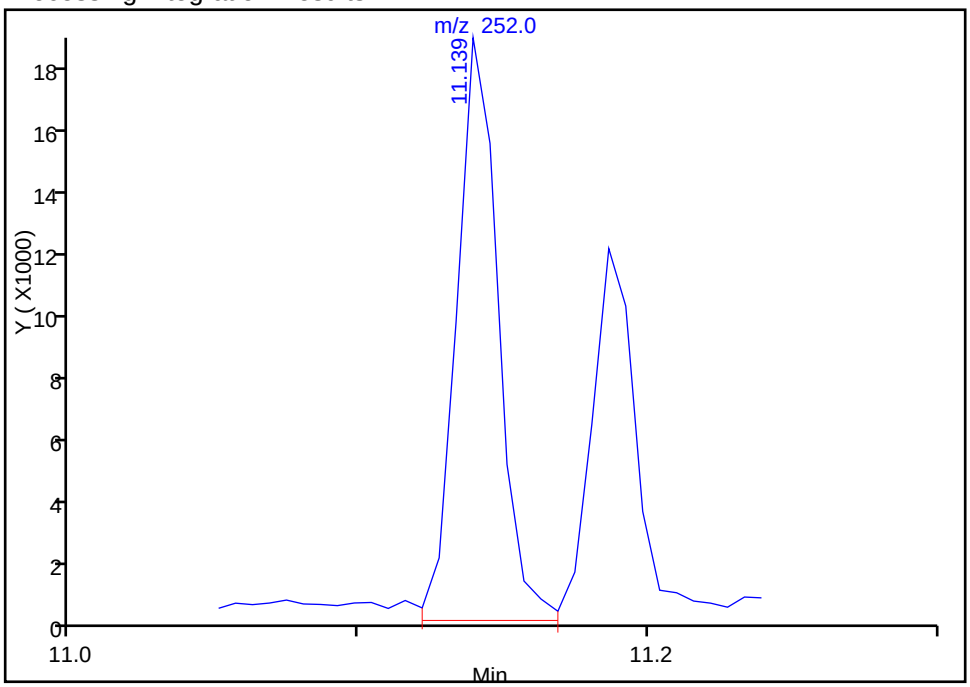
TestAmerica Savannah

Data File:	\\SAVCHROM\ChromData\CMSK\20140909-12643.b\1KI0916.D				
Injection Date:	09-Sep-2014 15:17:30	Instrument ID:	CMSK		
Lims ID:	680-104968-A-5-A	Lab Sample ID:	680-104968-5		
Client ID:	CV0755A-CS6				
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

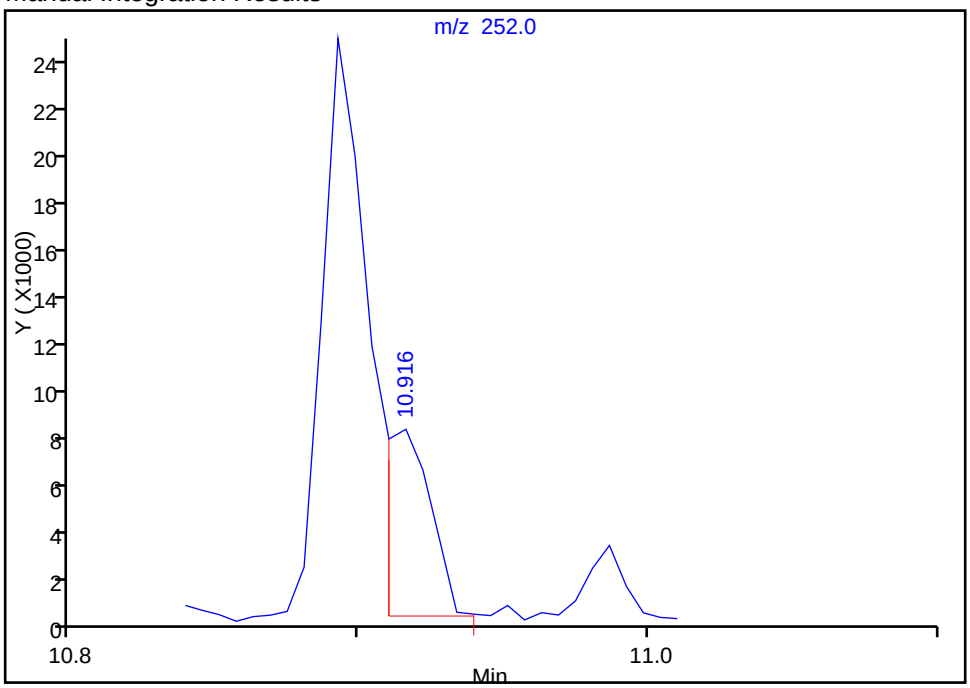
Processing Integration Results

RT: 11.14
Response: 18316
Amount: 0.139461



Manual Integration Results

RT: 10.92
Response: 8624
Amount: 0.065664



Reviewer: webbk, 09-Sep-2014 15:46:36
Audit Action: Manually Integrated
Audit Reason: Split Peak

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Savannah
Job No.: 680-104968-1
SDG No.: 680-104968-01
Client Sample ID: CV0755A-CSD6
Lab Sample ID: 680-104968-6
Matrix: Solid
Lab File ID: 1KI0917.D
Analysis Method: 8270D_LL_PAH
Date Collected: 09/04/2014 08:50
Extract. Method: 3546
Date Extracted: 09/06/2014 12:38
Sample wt/vol: 30.03(g)
Date Analyzed: 09/09/2014 15:40
Con. Extract Vol.: 1(mL)
Dilution Factor: 20
Injection Volume: 2(uL)
Level: (low/med) Low
% Moisture: 9.9
GPC Cleanup:(Y/N) N
Analysis Batch No.: 347967
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	150		150	73
50-32-8	Benzo[a]pyrene	140	J	150	27
205-99-2	Benzo[b]fluoranthene	310		150	73
191-24-2	Benzo[g,h,i]perylene	86	J	150	73
207-08-9	Benzo[k]fluoranthene	120	J	150	44
218-01-9	Chrysene	330		150	73
53-70-3	Dibenz(a,h)anthracene	150	U	150	73
206-44-0	Fluoranthene	530		150	73
86-73-7	Fluorene	150	U	150	73
193-39-5	Indeno[1,2,3-cd]pyrene	150	U	150	73
90-12-0	1-Methylnaphthalene	110	J	150	69
91-57-6	2-Methylnaphthalene	110	J	150	73
91-20-3	Naphthalene	150	U	150	73
85-01-8	Phenanthrene	430		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\20140909-12643.b\1KI0917.D
Lims ID: 680-104968-A-6-A Lab Sample ID: 680-104968-6
Client ID: CV0755A-CSD6
Sample Type: Client
Inject. Date: 09-Sep-2014 15:40:30 ALS Bottle#: 17 Worklist Smp#: 17
Injection Vol: 2.0 ul Dil. Factor: 20.0000
Sample Info: 680-104968-A-6-A
Misc. Info.: 680-0012643-017
Operator ID: RM Instrument ID: CMSK

Method: \\SAVCHROM\ChromData\CMSK\20140909-12643.b\8270_LLPAH_CMSK.m
Limit Group: 8270D_LL_PAH
Last Update: 12-Sep-2014 10:29:51 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: XAWRK027

First Level Reviewer: webbk Date: 09-Sep-2014 16:02:05

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/ml	Flags
* 1 Naphthalene-d8	136	3.713	3.713	0.000	98	495972	2.00	
* 2 Acenaphthene-d10	164	5.464	5.464	0.000	91	262919	2.00	
* 3 Phenanthrene-d10	188	7.056	7.056	0.000	98	381384	2.00	
* 4 Chrysene-d12	240	9.882	9.882	0.000	98	299886	2.00	
* 5 Perylene-d12	264	11.239	11.239	0.000	96	209793	2.00	
7 Naphthalene	128	3.730	3.730	0.000	96	24717	0.0952	
9 2-Methylnaphthalene	142	4.394	4.394	0.000	80	22294	0.1471	
8 1-Methylnaphthalene	142	4.494	4.494	0.000	77	20401	0.1436	
15 Phenanthrene	178	7.079	7.079	0.000	89	128633	0.5867	
16 Anthracene	178	7.132	7.132	0.000	77	6544	0.0327	7
17 Fluoranthene	202	8.378	8.378	0.000	97	141738	0.7131	
18 Pyrene	202	8.613	8.613	0.000	96	107064	0.4615	
19 Benzo[a]anthracene	228	9.870	9.870	0.000	65	32351	0.2065	
20 Chrysene	228	9.905	9.906	-0.001	90	66357	0.4406	
21 Benzo[b]fluoranthene	252	10.893	10.893	0.000	95	53992	0.4228	M
22 Benzo[k]fluoranthene	252	10.904	10.916	-0.012	94	21383	0.1661	M
23 Benzo[a]pyrene	252	11.186	11.186	0.000	94	20923	0.1845	
24 Indeno[1,2,3-cd]pyrene	276	12.385	12.391	-0.006	88	13587	0.0820	
26 Benzo[g,h,i]perylene	276	12.720	12.726	-0.006	86	13378	0.1168	

QC Flag Legend

Processing Flags
7 - Failed Limit of Detection
Review Flags
M - Manually Integrated

Reagents:

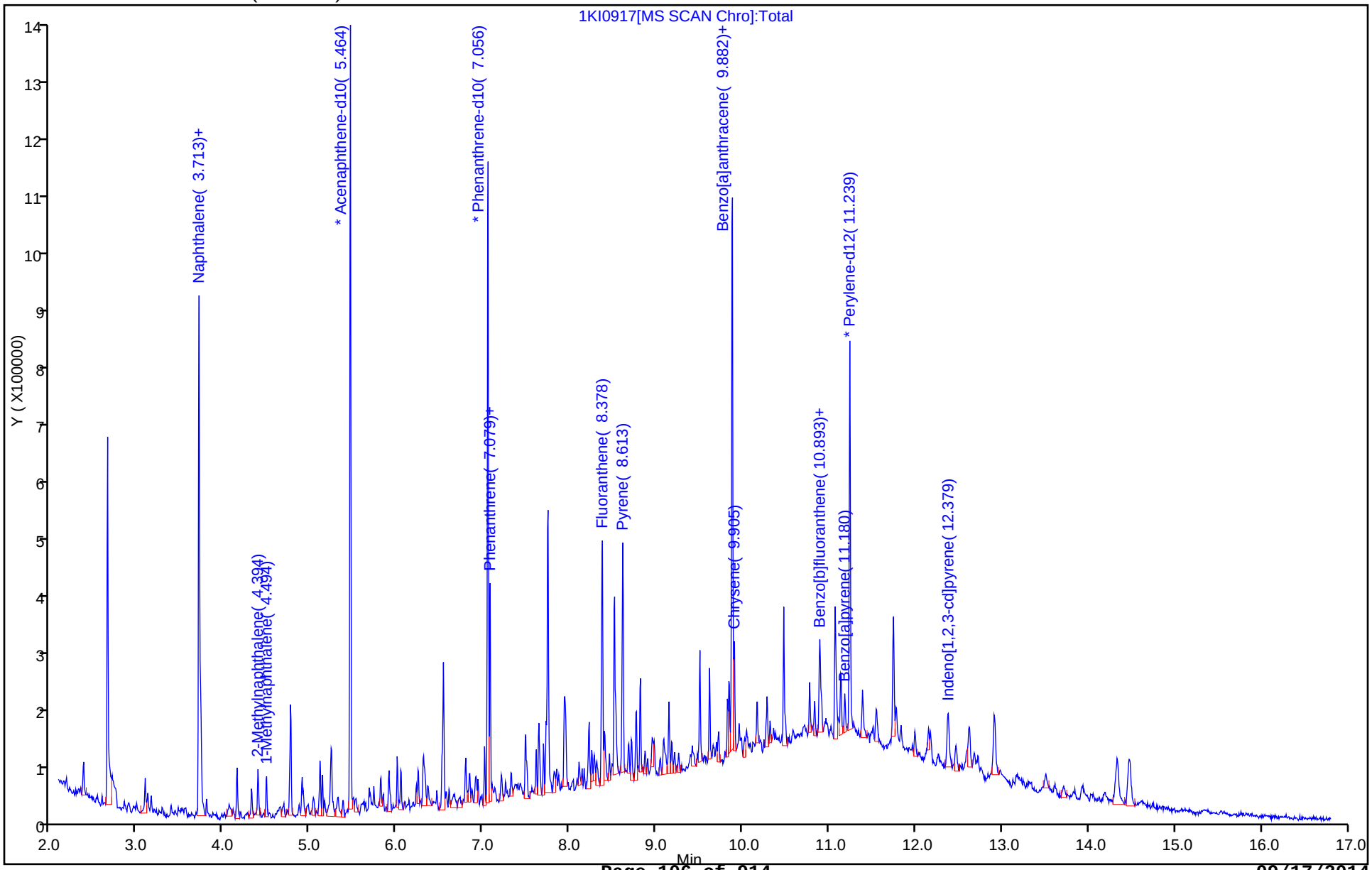
SM-LLISTD_00106 Amount Added: 10.00 Units: uL Run Reagent

Report Date: 12-Sep-2014 10:30:12 Chrom Revision: 2.2 18-Aug-2014 12:17:36

TestAmerica Savannah

Data File:	\\SAVCHROM\ChromData\CMSK\20140909-12643.b\1KI0917.D				
Injection Date:	09-Sep-2014 15:40:30	Instrument ID:	CMSK	Operator ID:	RM
Lims ID:	680-104968-A-6-A	Lab Sample ID:	680-104968-6	Worklist Smp#:	17
Client ID:	CV0755A-CSD6				
Injection Vol:	2.0 ul	Dil. Factor:	20.0000	ALS Bottle#:	17
Method:	8270_LLPAH_CMSK	Limit Group:	8270D_LL_PAH		

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

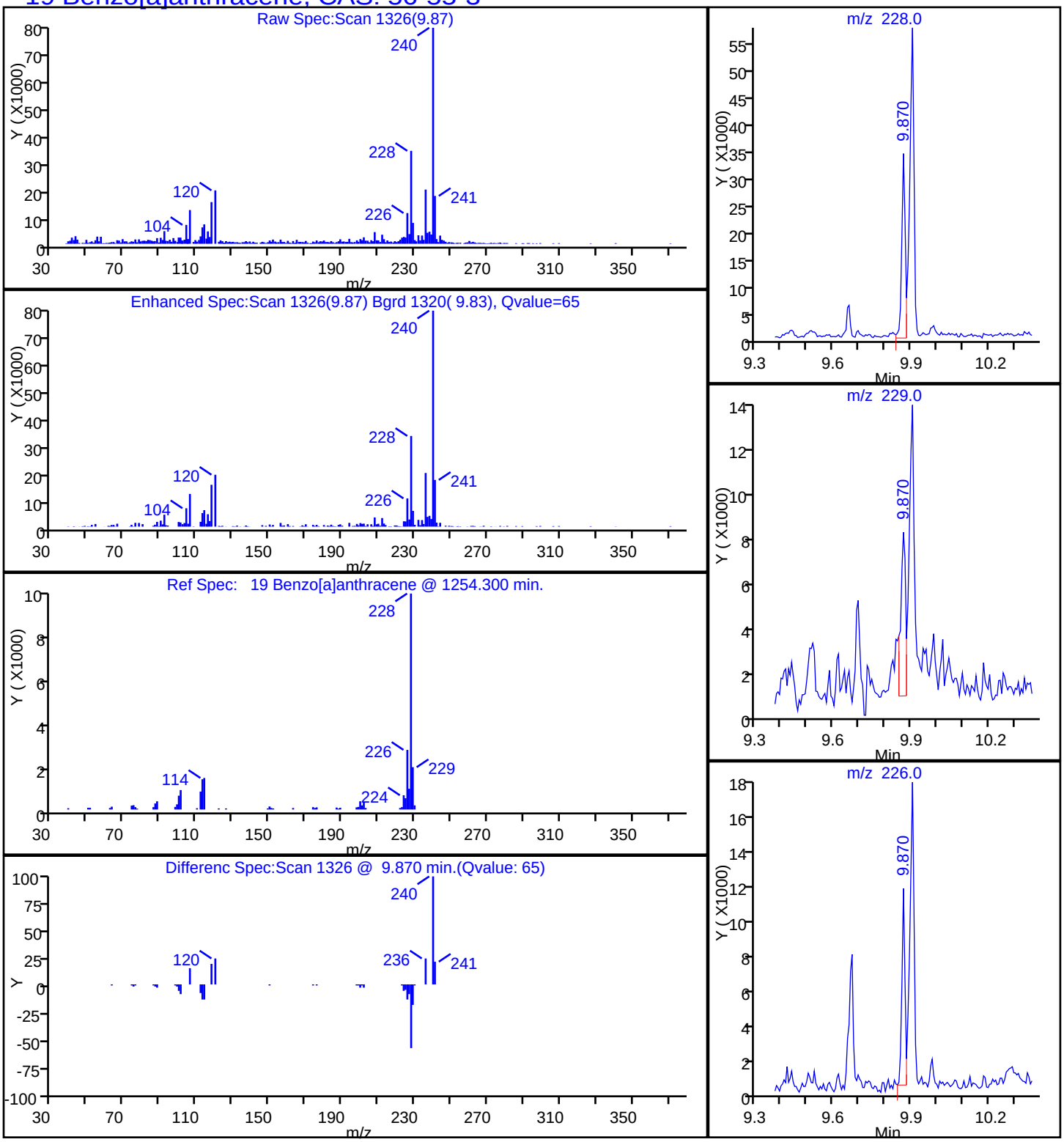


Report Date: 12-Sep-2014 10:30:13 Chrom Revision: 2.2 18-Aug-2014 12:17:36

TestAmerica Savannah

Data File:	\\SAVCHROM\ChromData\CMSK\20140909-12643.b\1KI0917.D				
Injection Date:	09-Sep-2014 15:40:30	Instrument ID:	CMSK		
Lims ID:	680-104968-A-6-A	Lab Sample ID:	680-104968-6		
Client ID:	CV0755A-CSD6				
Operator ID:	RM	ALS Bottle#:	17	Worklist Smp#:	17
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

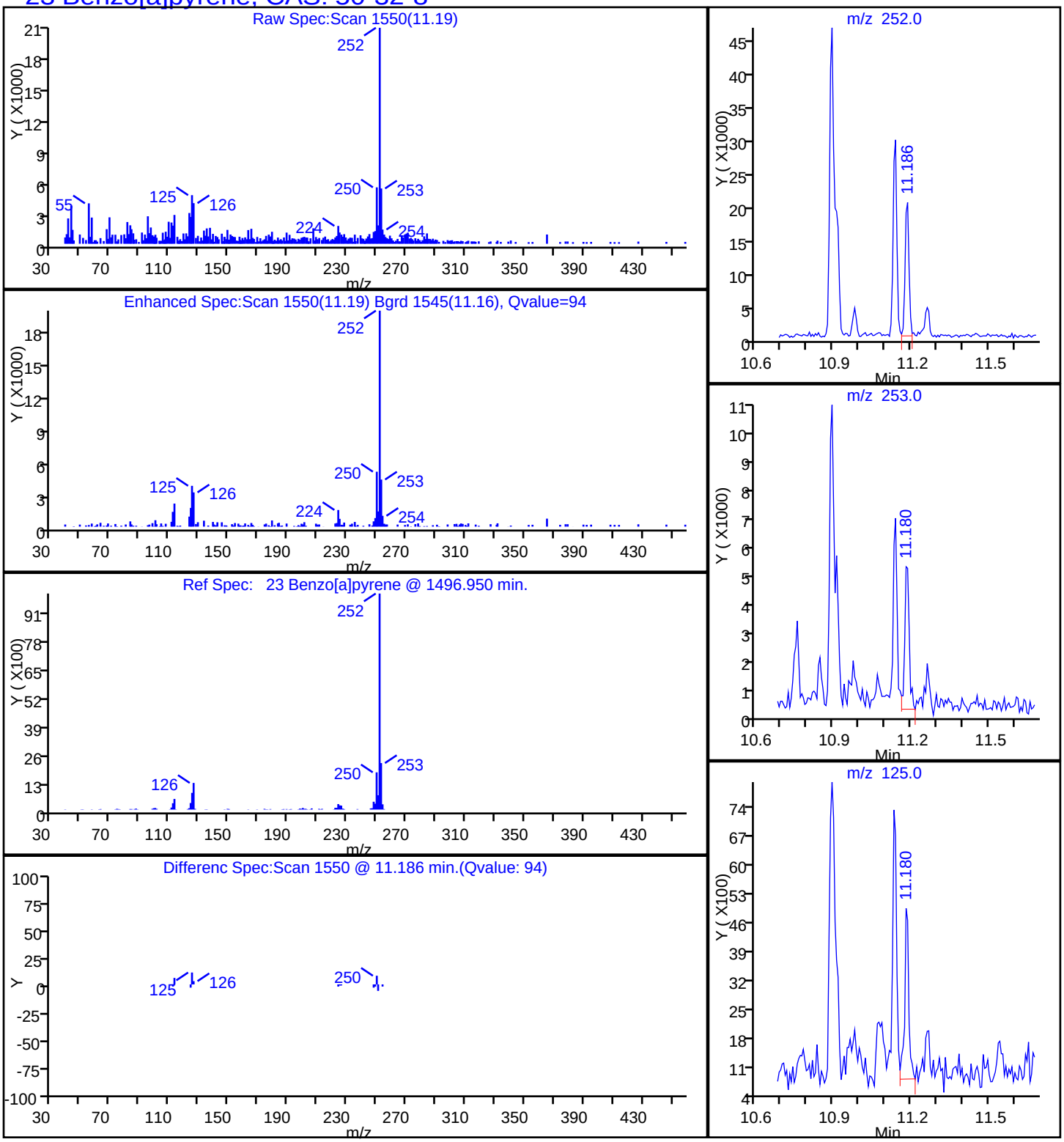


Report Date: 12-Sep-2014 10:30:14 Chrom Revision: 2.2 18-Aug-2014 12:17:36

TestAmerica Savannah

Data File:	\\SAVCHROM\ChromData\CMSK\20140909-12643.b\1KI0917.D				
Injection Date:	09-Sep-2014 15:40:30	Instrument ID:	CMSK		
Lims ID:	680-104968-A-6-A	Lab Sample ID:	680-104968-6		
Client ID:	CV0755A-CSD6				
Operator ID:	RM	ALS Bottle#:	17	Worklist Smp#:	17
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

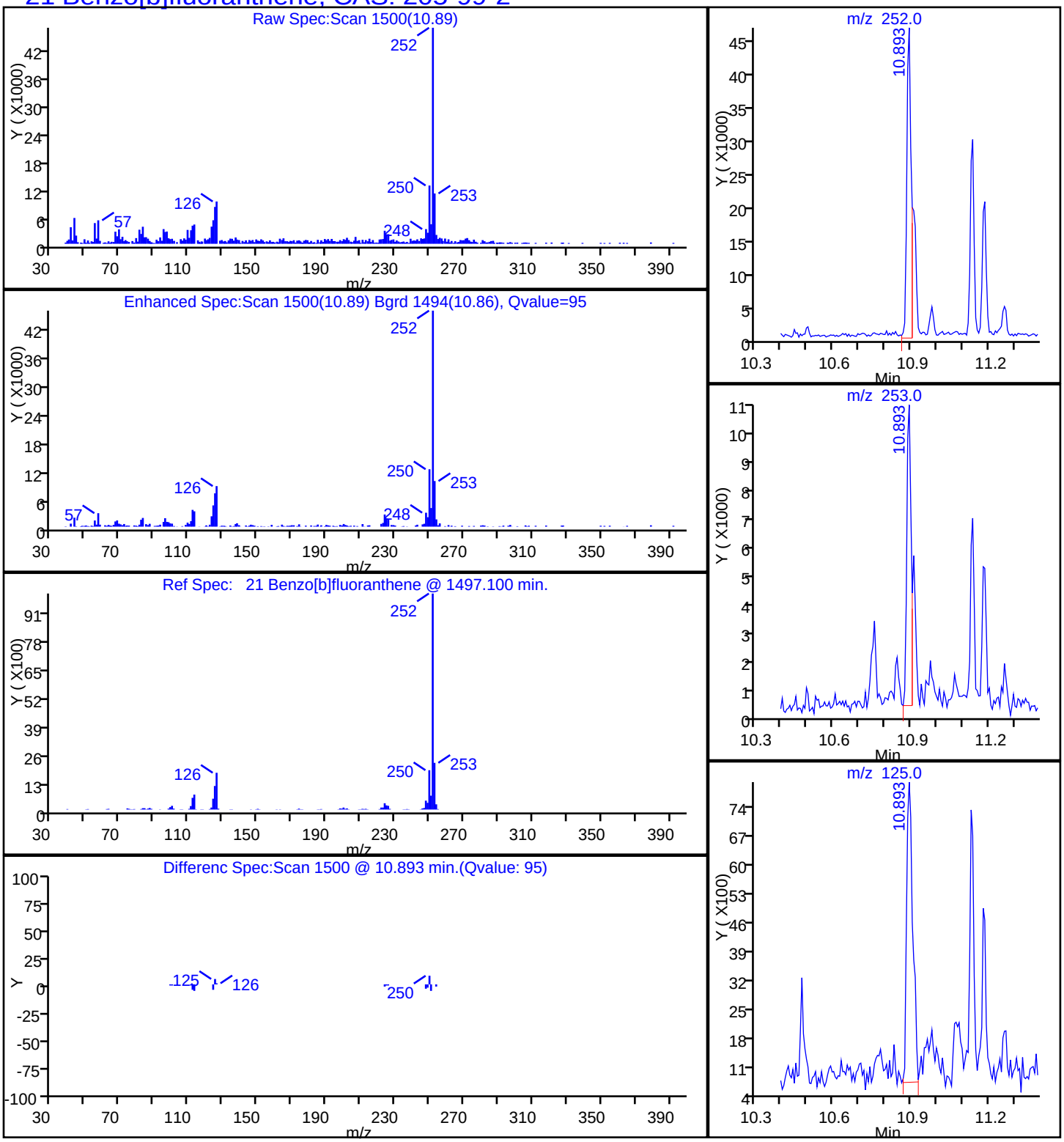


Report Date: 12-Sep-2014 10:30:13 Chrom Revision: 2.2 18-Aug-2014 12:17:36

TestAmerica Savannah

Data File:	\\SAVCHROM\ChromData\CMSK\20140909-12643.b\1KI0917.D				
Injection Date:	09-Sep-2014 15:40:30	Instrument ID:	CMSK		
Lims ID:	680-104968-A-6-A	Lab Sample ID:	680-104968-6		
Client ID:	CV0755A-CSD6				
Operator ID:	RM	ALS Bottle#:	17	Worklist Smp#:	17
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

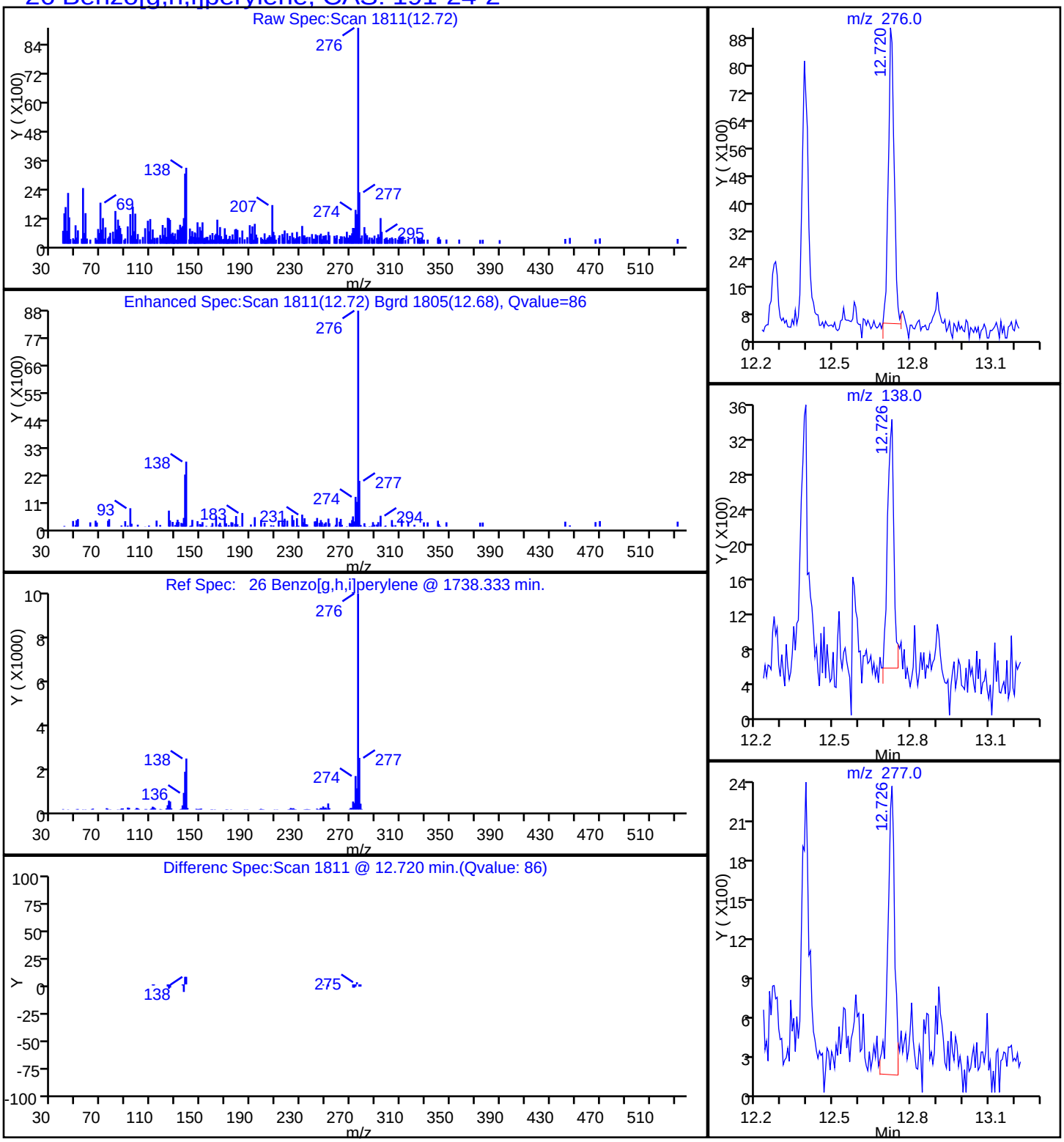


Report Date: 12-Sep-2014 10:30:14 Chrom Revision: 2.2 18-Aug-2014 12:17:36

TestAmerica Savannah

Data File:	\\SAVCHROM\ChromData\CMSK\20140909-12643.b\1KI0917.D				
Injection Date:	09-Sep-2014 15:40:30	Instrument ID:	CMSK		
Lims ID:	680-104968-A-6-A	Lab Sample ID:	680-104968-6		
Client ID:	CV0755A-CSD6				
Operator ID:	RM	ALS Bottle#:	17	Worklist Smp#:	17
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

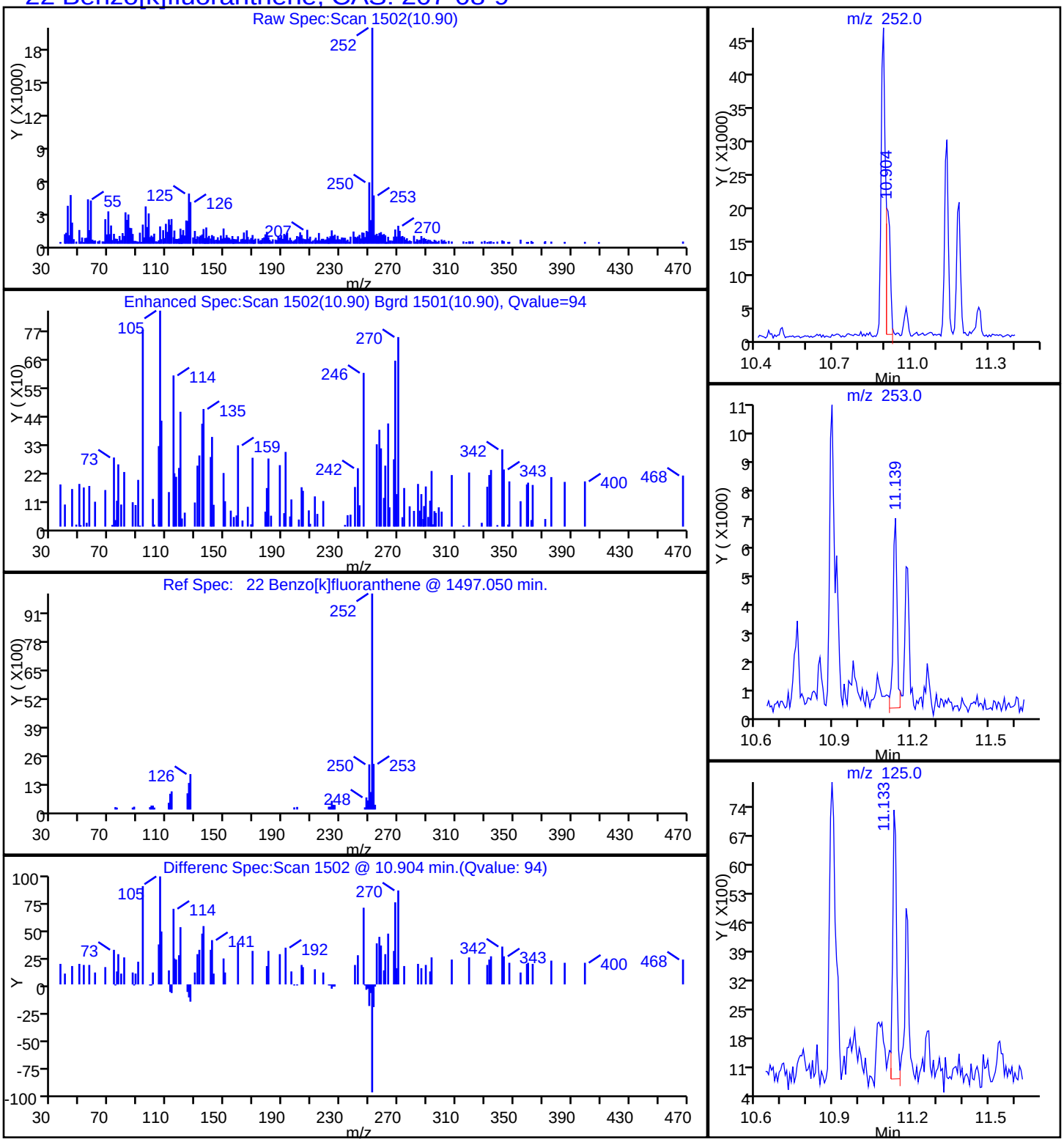


Report Date: 12-Sep-2014 10:30:14 Chrom Revision: 2.2 18-Aug-2014 12:17:36

TestAmerica Savannah

Data File:	\\SAVCHROM\ChromData\CMSK\20140909-12643.b\1KI0917.D				
Injection Date:	09-Sep-2014 15:40:30	Instrument ID:	CMSK		
Lims ID:	680-104968-A-6-A	Lab Sample ID:	680-104968-6		
Client ID:	CV0755A-CSD6				
Operator ID:	RM	ALS Bottle#:	17	Worklist Smp#:	17
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

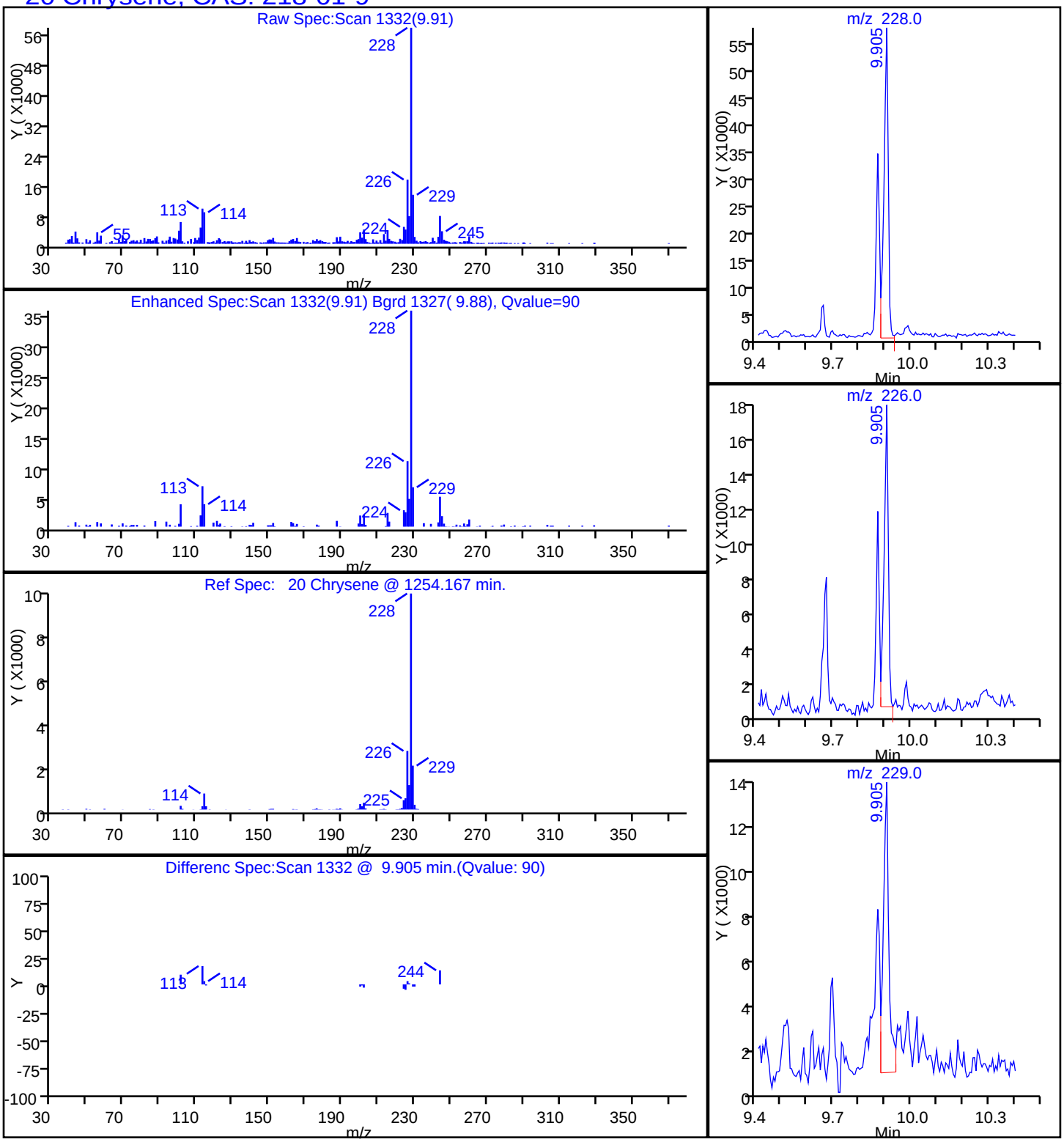


Report Date: 12-Sep-2014 10:30:13 Chrom Revision: 2.2 18-Aug-2014 12:17:36

TestAmerica Savannah

Data File:	\\SAVCHROM\ChromData\CMSK\20140909-12643.b\1KI0917.D				
Injection Date:	09-Sep-2014 15:40:30	Instrument ID:	CMSK		
Lims ID:	680-104968-A-6-A	Lab Sample ID:	680-104968-6		
Client ID:	CV0755A-CSD6				
Operator ID:	RM	ALS Bottle#:	17	Worklist Smp#:	17
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

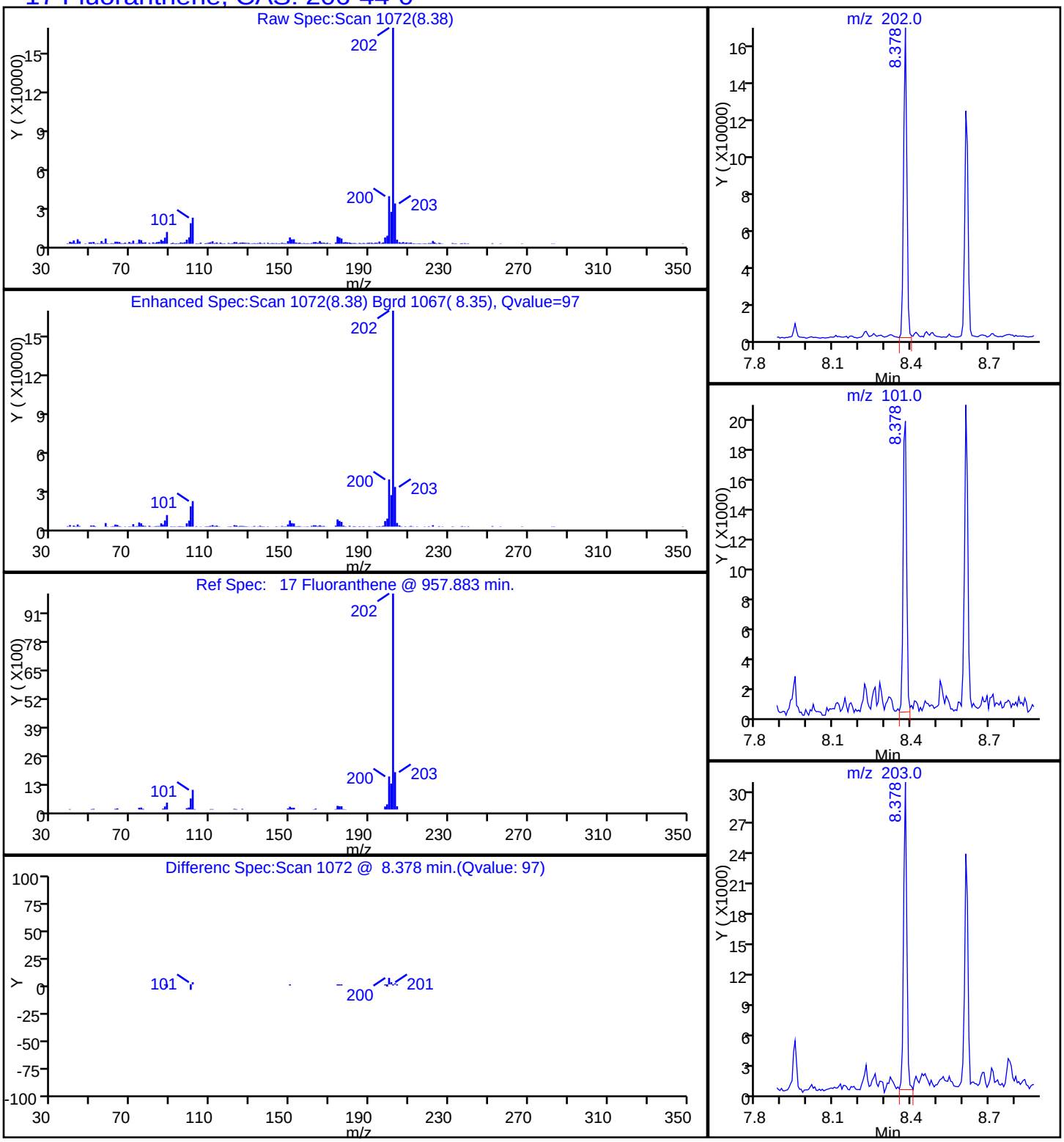


Report Date: 12-Sep-2014 10:30:13 Chrom Revision: 2.2 18-Aug-2014 12:17:36

TestAmerica Savannah

Data File:	\\SAVCHROM\ChromData\CMSK\20140909-12643.b\1KI0917.D				
Injection Date:	09-Sep-2014 15:40:30	Instrument ID:	CMSK		
Lims ID:	680-104968-A-6-A	Lab Sample ID:	680-104968-6		
Client ID:	CV0755A-CSD6				
Operator ID:	RM	ALS Bottle#:	17	Worklist Smp#:	17
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

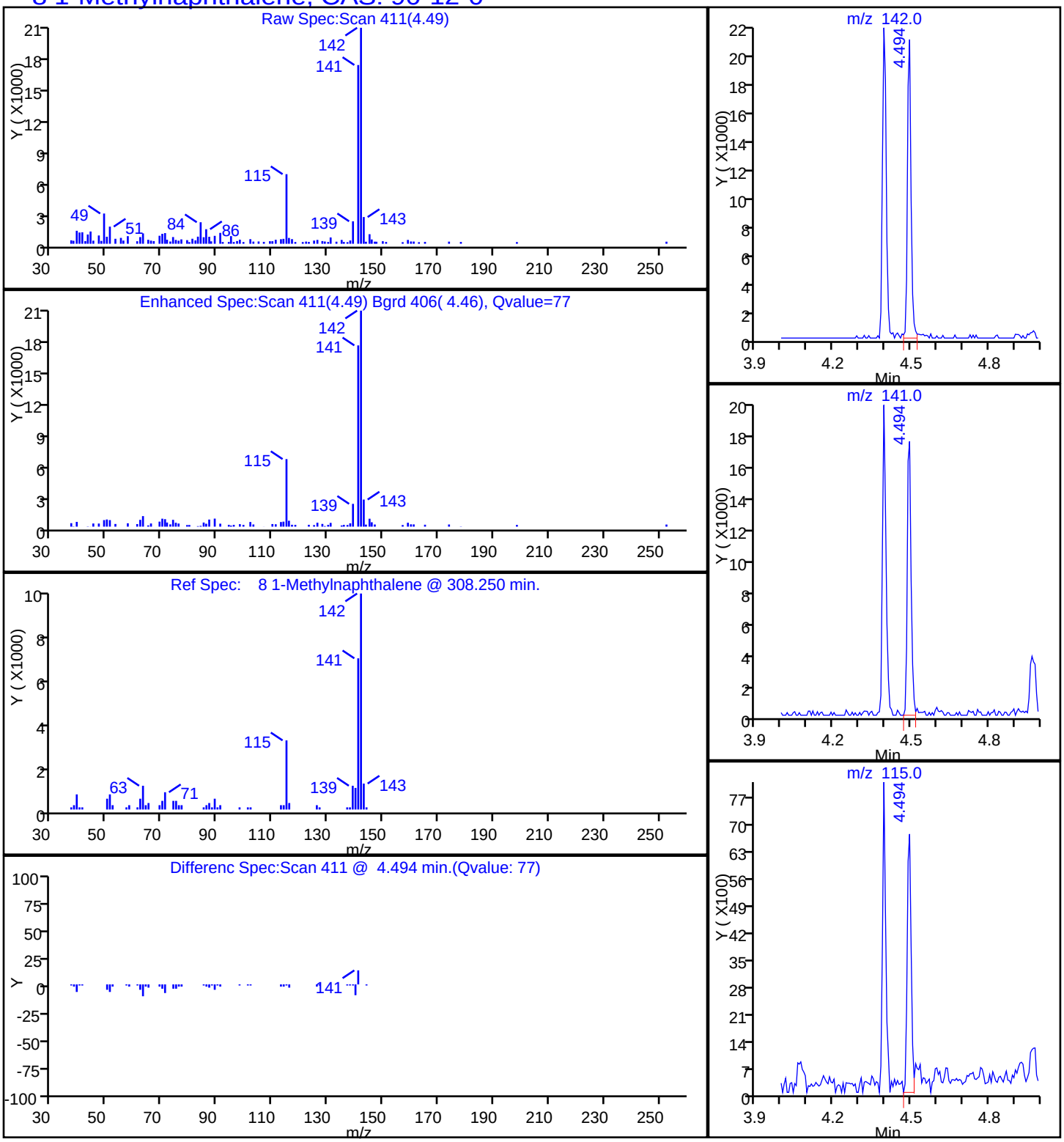


Report Date: 12-Sep-2014 10:30:13 Chrom Revision: 2.2 18-Aug-2014 12:17:36

TestAmerica Savannah

Data File:	\\SAVCHROM\ChromData\CMSK\20140909-12643.b\1KI0917.D				
Injection Date:	09-Sep-2014 15:40:30	Instrument ID:	CMSK		
Lims ID:	680-104968-A-6-A	Lab Sample ID:	680-104968-6		
Client ID:	CV0755A-CSD6				
Operator ID:	RM	ALS Bottle#:	17	Worklist Smp#:	17
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		

8 1-Methylnaphthalene, CAS: 90-12-0

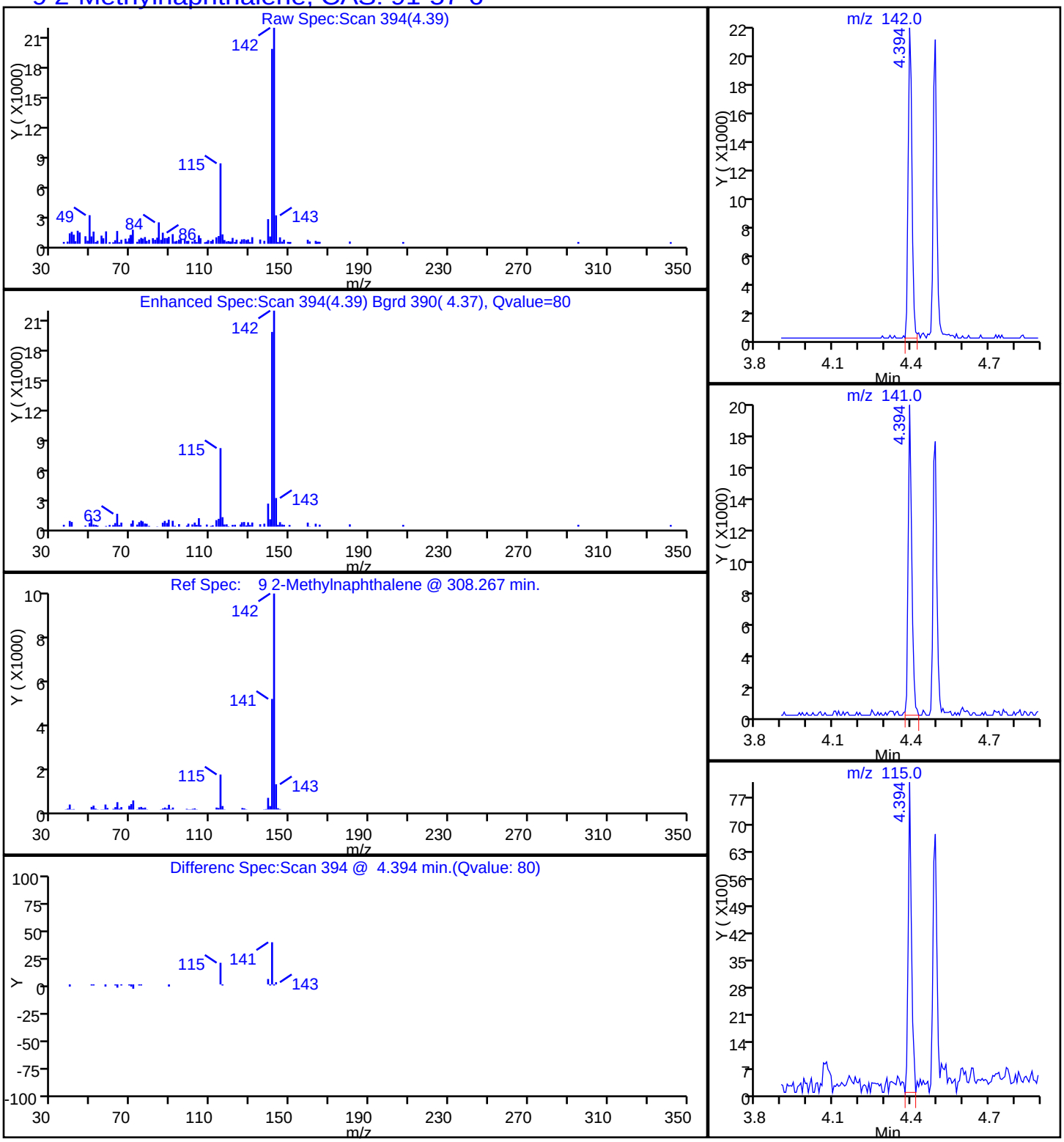


Report Date: 12-Sep-2014 10:30:13 Chrom Revision: 2.2 18-Aug-2014 12:17:36

TestAmerica Savannah

Data File:	\\SAVCHROM\ChromData\CMSK\20140909-12643.b\1KI0917.D				
Injection Date:	09-Sep-2014 15:40:30	Instrument ID:	CMSK		
Lims ID:	680-104968-A-6-A	Lab Sample ID:	680-104968-6		
Client ID:	CV0755A-CSD6				
Operator ID:	RM	ALS Bottle#:	17	Worklist Smp#:	17
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

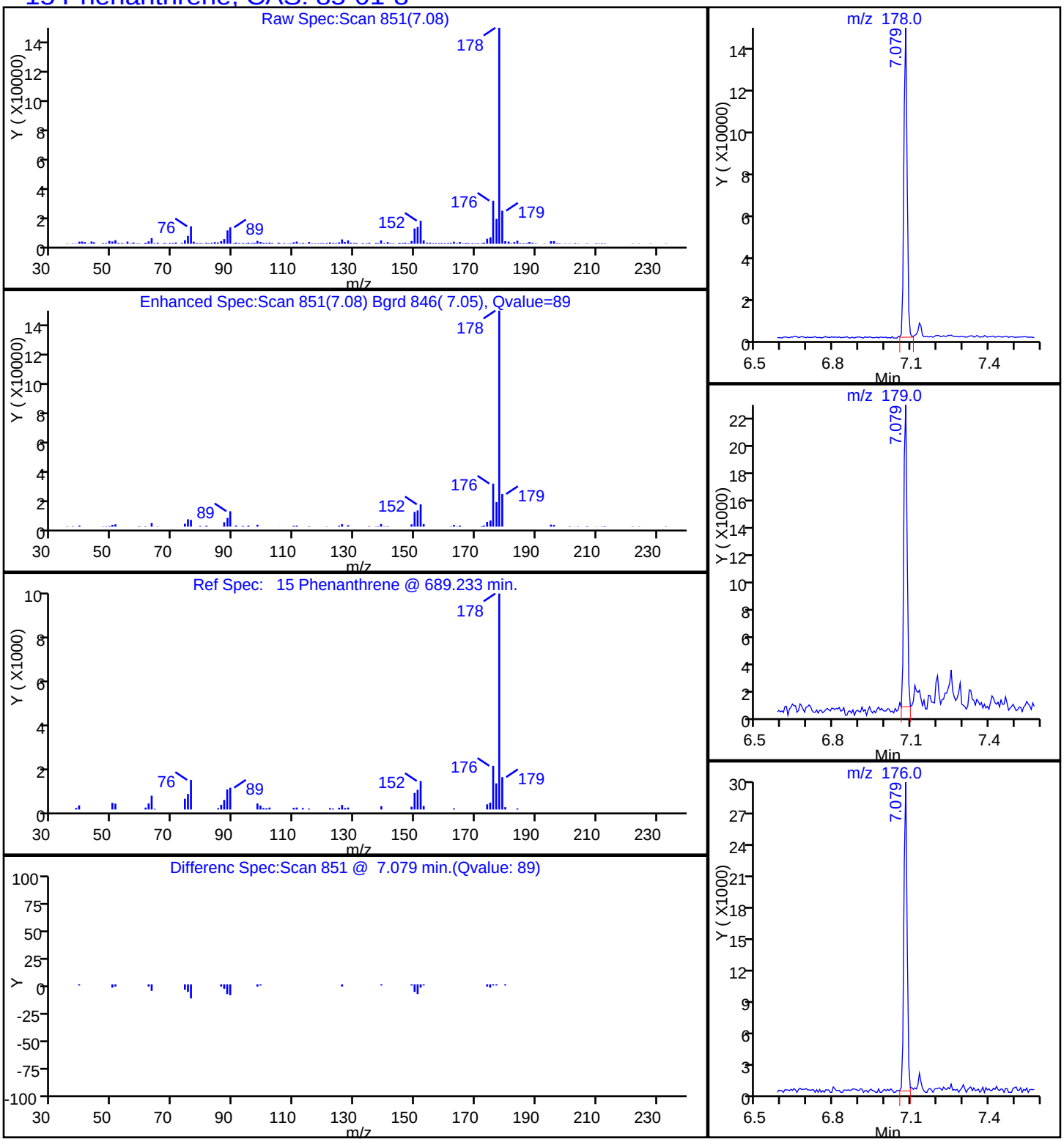


Report Date: 12-Sep-2014 10:30:13 Chrom Revision: 2.2 18-Aug-2014 12:17:36

TestAmerica Savannah

Data File:	\\SAVCHROM\ChromData\CMSK\20140909-12643.b\1KI0917.D				
Injection Date:	09-Sep-2014 15:40:30	Instrument ID:	CMSK		
Lims ID:	680-104968-A-6-A	Lab Sample ID:	680-104968-6		
Client ID:	CV0755A-CSD6				
Operator ID:	RM	ALS Bottle#:	17	Worklist Smp#:	17
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

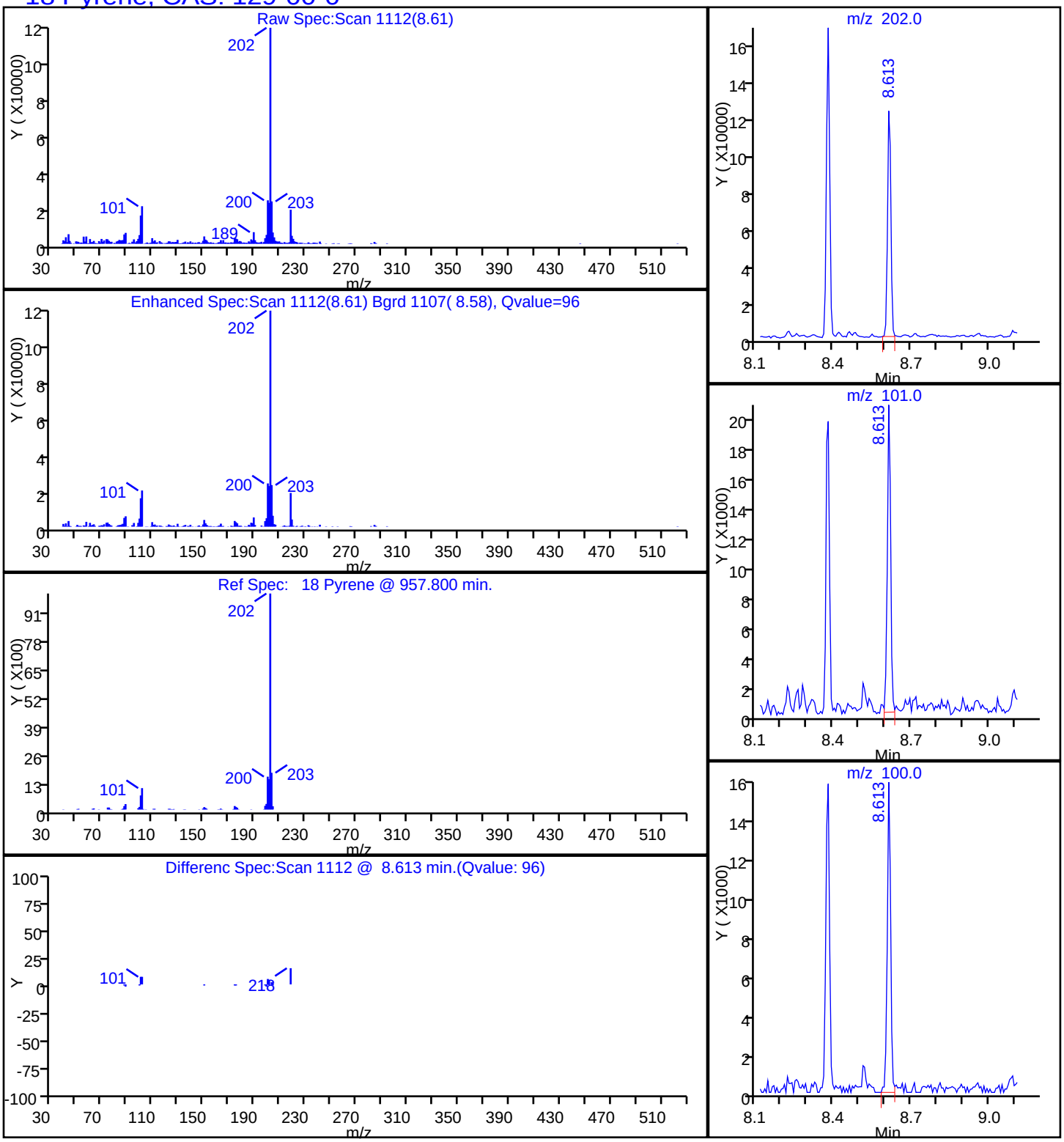


Report Date: 12-Sep-2014 10:30:13 Chrom Revision: 2.2 18-Aug-2014 12:17:36

TestAmerica Savannah

Data File:	\\SAVCHROM\ChromData\CMSK\20140909-12643.b\1KI0917.D				
Injection Date:	09-Sep-2014 15:40:30	Instrument ID:	CMSK		
Lims ID:	680-104968-A-6-A	Lab Sample ID:	680-104968-6		
Client ID:	CV0755A-CSD6				
Operator ID:	RM	ALS Bottle#:	17	Worklist Smp#:	17
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

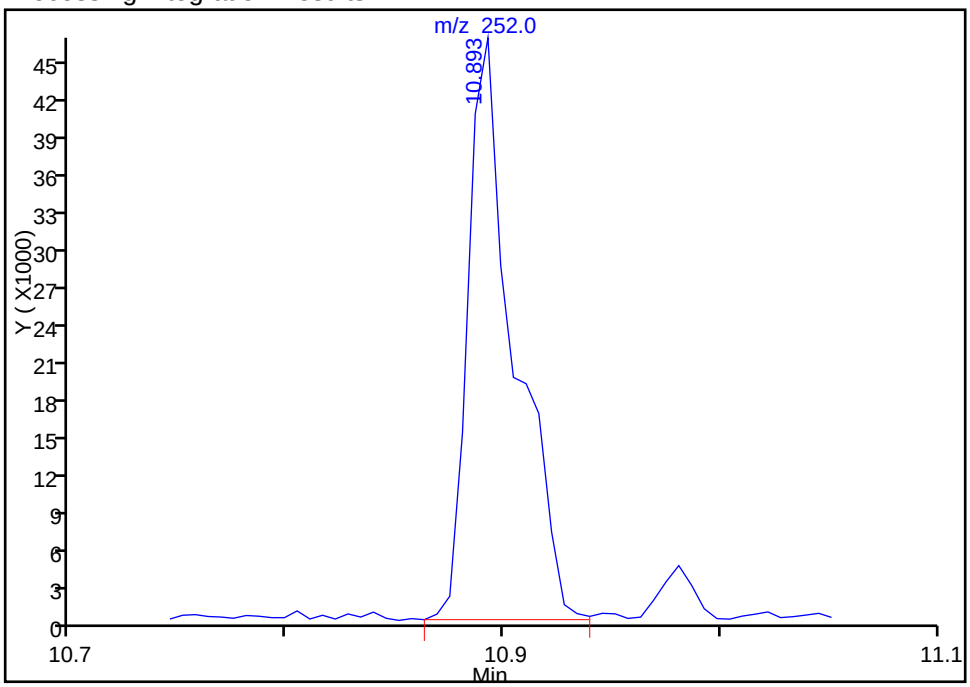
TestAmerica Savannah

Data File:	\\SAVCHROM\ChromData\CMSK\20140909-12643.b\1KI0917.D				
Injection Date:	09-Sep-2014 15:40:30	Instrument ID:	CMSK		
Lims ID:	680-104968-A-6-A	Lab Sample ID:	680-104968-6		
Client ID:	CV0755A-CSD6				
Operator ID:	RM	ALS Bottle#:	17	Worklist Smp#:	17
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

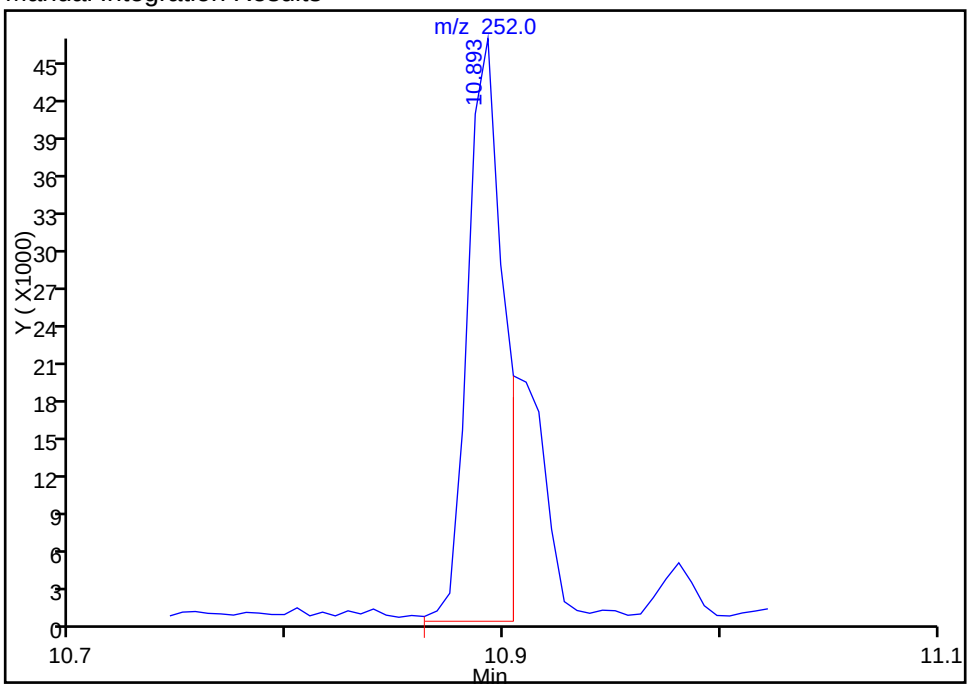
Processing Integration Results

RT: 10.89
Response: 68354
Amount: 0.535273



Manual Integration Results

RT: 10.89
Response: 53992
Amount: 0.422806



Reviewer: webbk, 09-Sep-2014 16:02:05
Audit Action: Manually Integrated
Audit Reason: Split Peak

Manual Integration/User Assign Peak Report

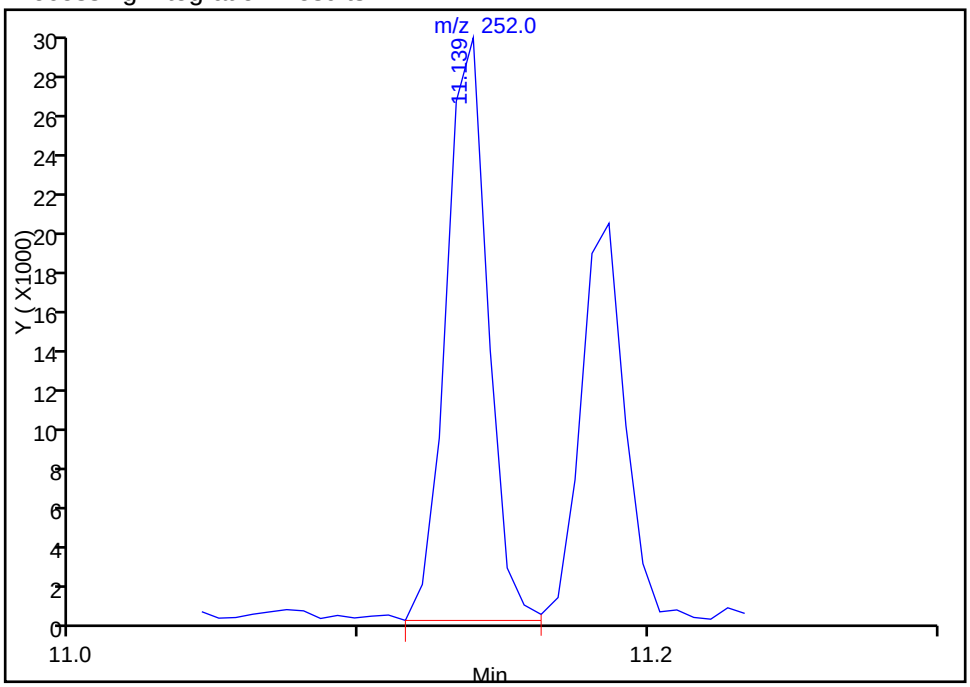
TestAmerica Savannah

Data File:	\\SAVCHROM\ChromData\CMSK\20140909-12643.b\1KI0917.D				
Injection Date:	09-Sep-2014 15:40:30	Instrument ID:	CMSK		
Lims ID:	680-104968-A-6-A	Lab Sample ID:	680-104968-6		
Client ID:	CV0755A-CSD6				
Operator ID:	RM	ALS Bottle#:	17	Worklist Smp#:	17
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

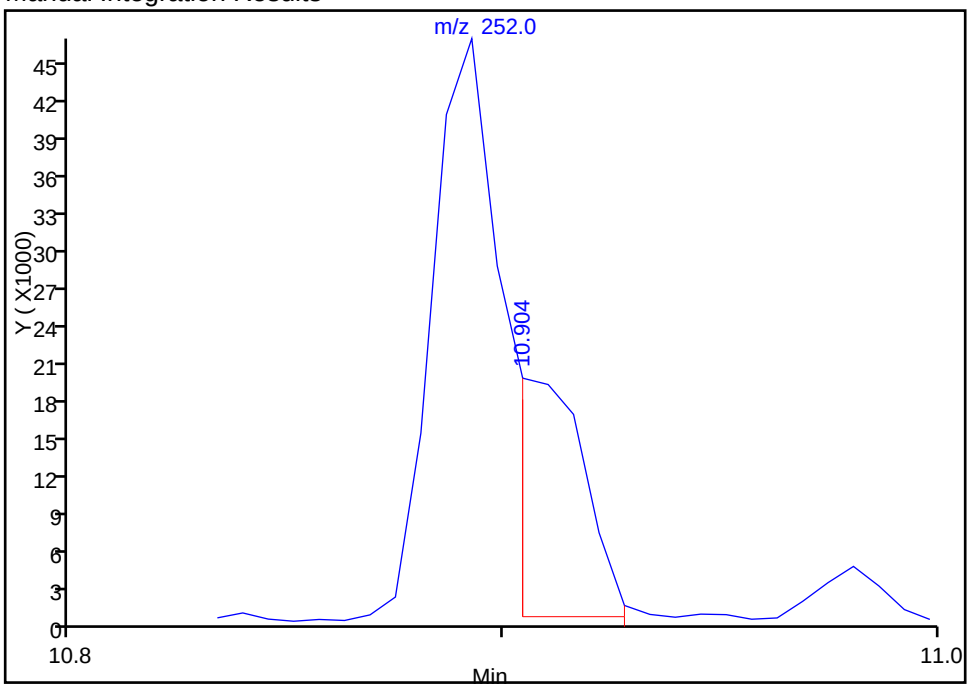
Processing Integration Results

RT: 11.14
Response: 29431
Amount: 0.228666



Manual Integration Results

RT: 10.90
Response: 21383
Amount: 0.166137



Reviewer: webbk, 09-Sep-2014 16:02:05
Audit Action: Manually Integrated
Audit Reason: Split Peak

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Savannah
Job No.: 680-104968-1
SDG No.: 680-104968-01
Client Sample ID: CV0755A-CS12
Lab Sample ID: 680-104968-7
Matrix: Solid
Lab File ID: 1KI0918.D
Analysis Method: 8270D_LL_PAH
Date Collected: 09/04/2014 08:55
Extract. Method: 3546
Date Extracted: 09/06/2014 12:38
Sample wt/vol: 30.01(g)
Date Analyzed: 09/09/2014 16:03
Con. Extract Vol.: 1(mL)
Dilution Factor: 10
Injection Volume: 2(uL)
Level: (low/med) Low
% Moisture: 6.1
GPC Cleanup:(Y/N) N
Analysis Batch No.: 347967
Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
83-32-9	Acenaphthene	71	U	71	35
208-96-8	Acenaphthylene	71	U	71	35
120-12-7	Anthracene	71	U	71	35
56-55-3	Benzo[a]anthracene	71	U	71	35
50-32-8	Benzo[a]pyrene	24	J	71	13
205-99-2	Benzo[b]fluoranthene	48	J	71	35
191-24-2	Benzo[g,h,i]perylene	71	U	71	35
207-08-9	Benzo[k]fluoranthene	71	U	71	21
218-01-9	Chrysene	55	J	71	35
53-70-3	Dibenz(a,h)anthracene	71	U	71	35
206-44-0	Fluoranthene	53	J	71	35
86-73-7	Fluorene	71	U	71	35
193-39-5	Indeno[1,2,3-cd]pyrene	71	U	71	35
90-12-0	1-Methylnaphthalene	71	U	71	33
91-57-6	2-Methylnaphthalene	71	U	71	35
91-20-3	Naphthalene	71	U	71	35
85-01-8	Phenanthrene	51	J	71	26
129-00-0	Pyrene	47	J	71	35

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

Report Date: 12-Sep-2014 10:30:14 Chrom Revision: 2.2 18-Aug-2014 12:17:36

TestAmerica Savannah
Target Compound Quantitation Report

Data File:	\\SAVCHROM\ChromData\CMSK\20140909-12643.b\1KI0918.D				
Lims ID:	680-104968-A-7-A	Lab Sample ID:	680-104968-7		
Client ID:	CV0755A-CS12				
Sample Type:	Client				
Inject. Date:	09-Sep-2014 16:03:30	ALS Bottle#:	18	Worklist Smp#:	18
Injection Vol:	2.0 ul	Dil. Factor:	10.0000		
Sample Info:	680-104968-A-7-A				
Misc. Info.:	680-0012643-018				
Operator ID:	RM	Instrument ID:	CMSK		

Method:	\\SAVCHROM\ChromData\CMSK\20140909-12643.b\8270_LLPAH_CMSK.m		
Limit Group:	8270D_LL_PAH		
Last Update:	12-Sep-2014 10:29:51	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:	XAWRK027	

First Level Reviewer: webbk Date: 09-Sep-2014 16:33:53

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/ml	Flags
* 1 Naphthalene-d8	136	3.712	3.713	-0.001	98	563470	2.00	
* 2 Acenaphthene-d10	164	5.463	5.464	-0.001	88	279839	2.00	
* 3 Phenanthrene-d10	188	7.056	7.056	0.000	98	387365	2.00	
* 4 Chrysene-d12	240	9.882	9.882	0.000	98	270130	2.00	
* 5 Perylene-d12	264	11.239	11.239	0.000	96	216303	2.00	
9 2-Methylnaphthalene	142	4.394	4.394	0.000	74	10915	0.0634	
8 1-Methylnaphthalene	142	4.494	4.494	0.000	77	10567	0.0655	
15 Phenanthrene	178	7.079	7.079	0.000	65	32303	0.1451	
16 Anthracene	178	7.132	7.132	0.000	61	2538	0.0125	7
17 Fluoranthene	202	8.378	8.378	0.000	96	30226	0.1497	
18 Pyrene	202	8.613	8.613	0.000	96	27469	0.1314	
19 Benzo[a]anthracene	228	9.870	9.870	0.000	36	11509	0.0816	
20 Chrysene	228	9.905	9.906	-0.001	77	20936	0.1543	
21 Benzo[b]fluoranthene	252	10.892	10.893	-0.001	84	17795	0.1352	M
22 Benzo[k]fluoranthene	252	10.910	10.916	-0.006	72	6028	0.0454	7M
23 Benzo[a]pyrene	252	11.180	11.186	-0.006	80	8050	0.0688	

QC Flag Legend

Processing Flags
7 - Failed Limit of Detection
Review Flags
M - Manually Integrated

Reagents:

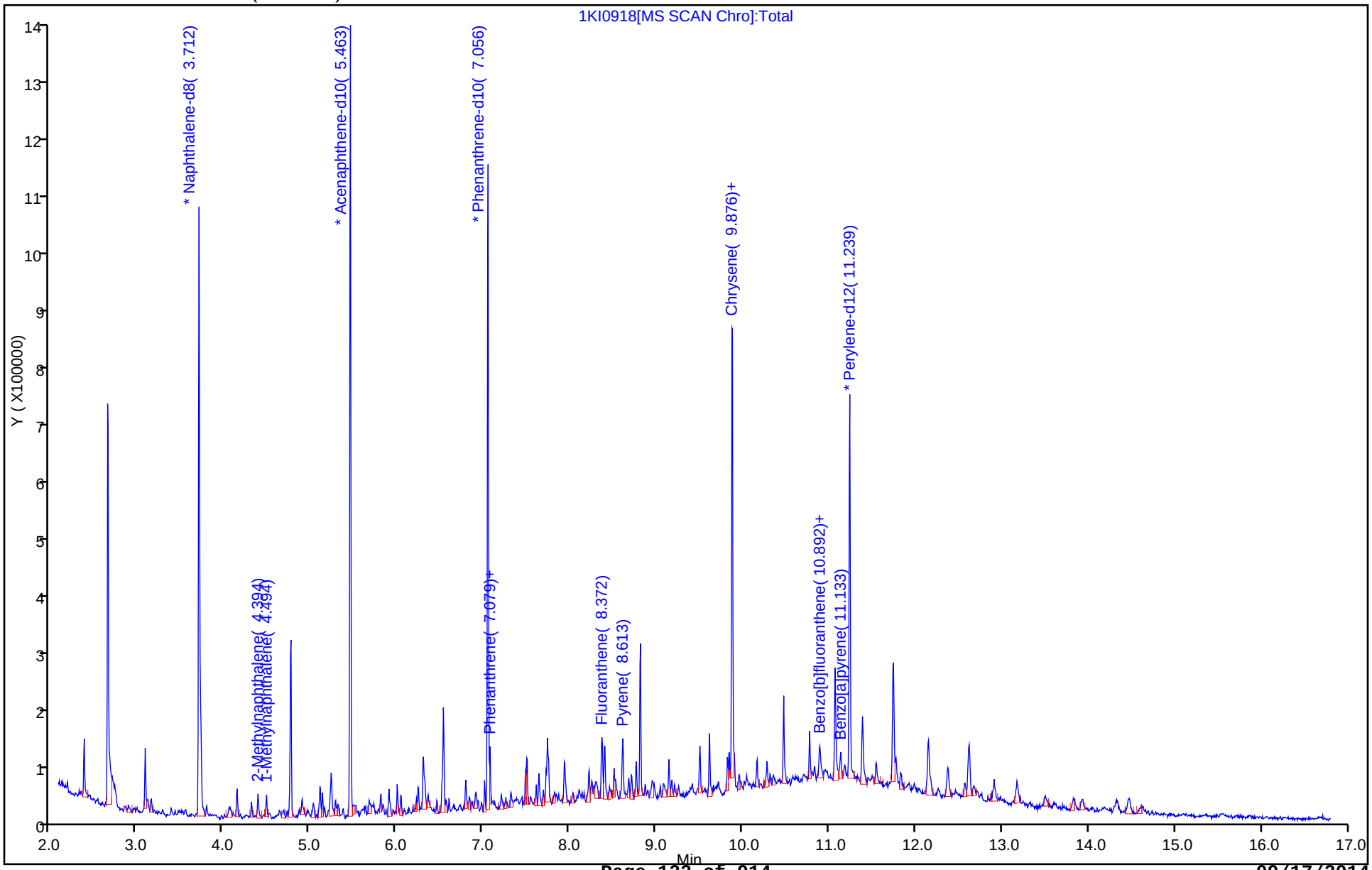
SM-LLISTD_00106 Amount Added: 10.00 Units: uL Run Reagent

Report Date: 12-Sep-2014 10:30:14 Chrom Revision: 2.2 18-Aug-2014 12:17:36

TestAmerica Savannah

Data File:	\\SAVCHROM\ChromData\CMSK\20140909-12643.b\1KI0918.D				
Injection Date:	09-Sep-2014 16:03:30	Instrument ID:	CMSK	Operator ID:	RM
Lims ID:	680-104968-A-7-A	Lab Sample ID:	680-104968-7	Worklist Smp#:	18
Client ID:	CV0755A-CS12				
Injection Vol:	2.0 ul	Dil. Factor:	10.0000	ALS Bottle#:	18
Method:	8270_LLPAH_CMSK	Limit Group:	8270D_LL_PAH		

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

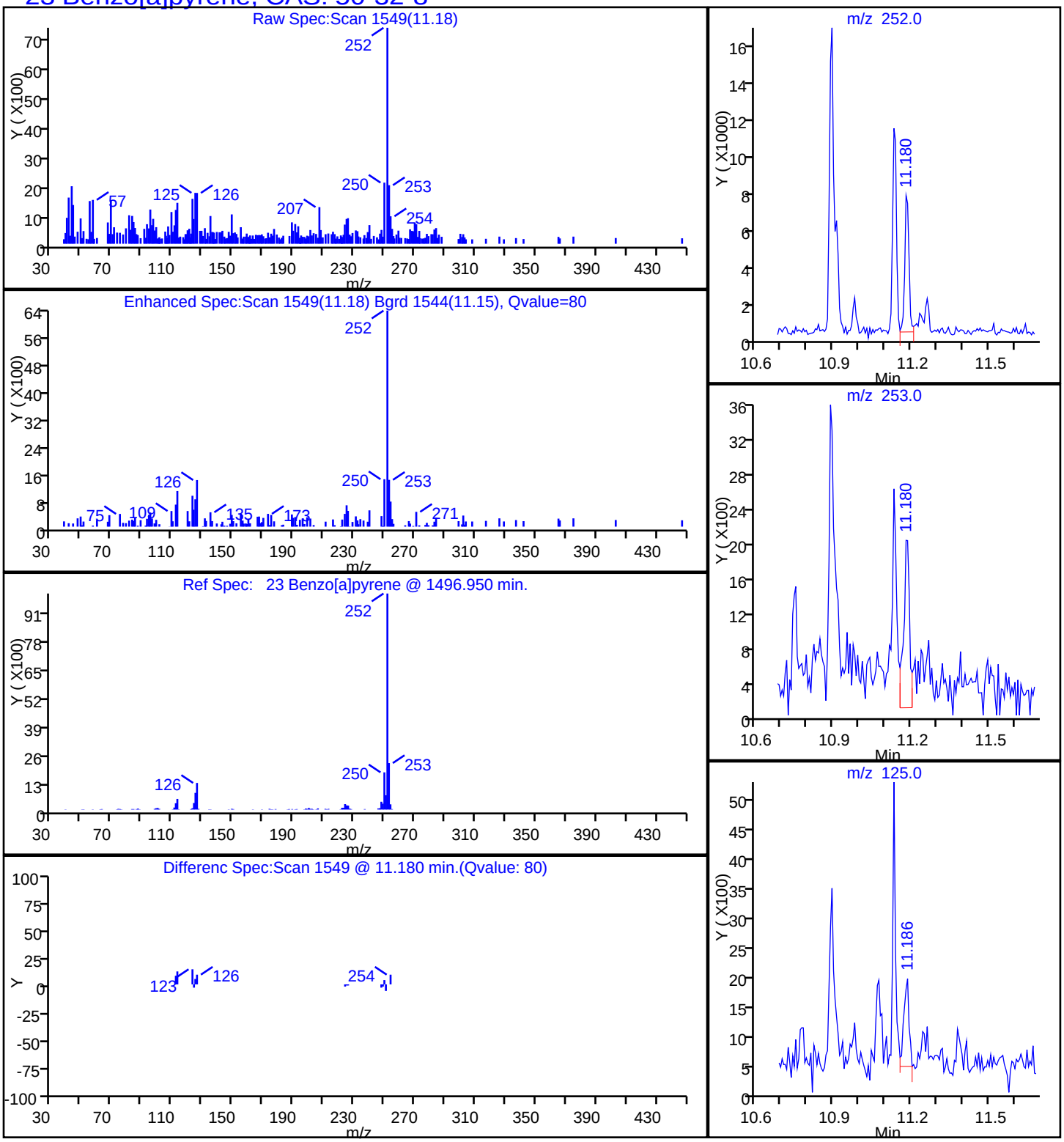


Report Date: 12-Sep-2014 10:30:15 Chrom Revision: 2.2 18-Aug-2014 12:17:36

TestAmerica Savannah

Data File:	\\SAVCHROM\ChromData\CMSK\20140909-12643.b\1KI0918.D				
Injection Date:	09-Sep-2014 16:03:30	Instrument ID:	CMSK		
Lims ID:	680-104968-A-7-A	Lab Sample ID:	680-104968-7		
Client ID:	CV0755A-CS12				
Operator ID:	RM	ALS Bottle#:	18	Worklist Smp#:	18
Injection Vol:	2.0 ul	Dil. Factor:	10.0000		
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

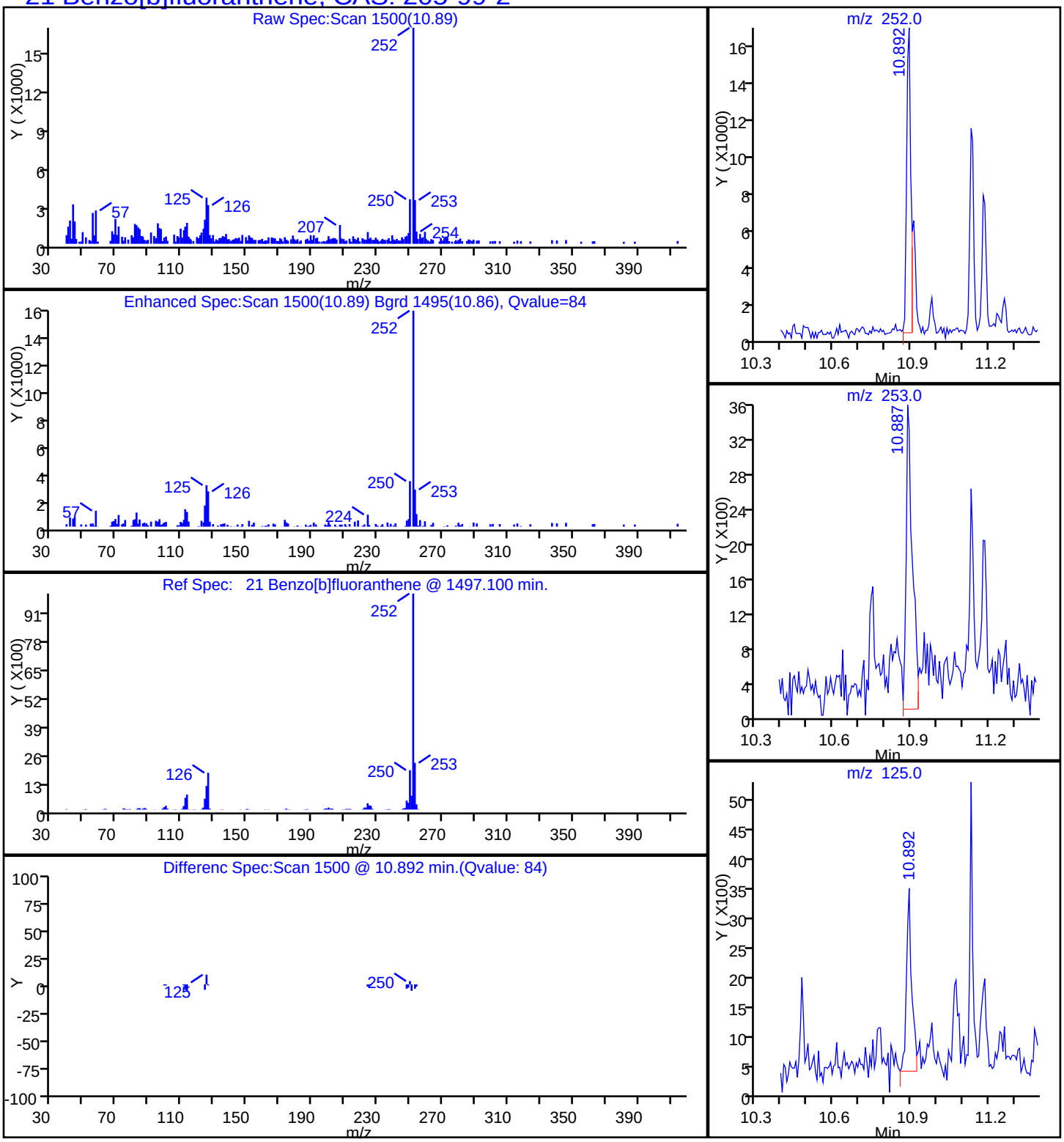


Report Date: 12-Sep-2014 10:30:15 Chrom Revision: 2.2 18-Aug-2014 12:17:36

TestAmerica Savannah

Data File:	\\SAVCHROM\ChromData\CMSK\20140909-12643.b\1KI0918.D				
Injection Date:	09-Sep-2014 16:03:30	Instrument ID:	CMSK		
Lims ID:	680-104968-A-7-A	Lab Sample ID:	680-104968-7		
Client ID:	CV0755A-CS12				
Operator ID:	RM	ALS Bottle#:	18	Worklist Smp#:	18
Injection Vol:	2.0 ul	Dil. Factor:	10.0000		
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

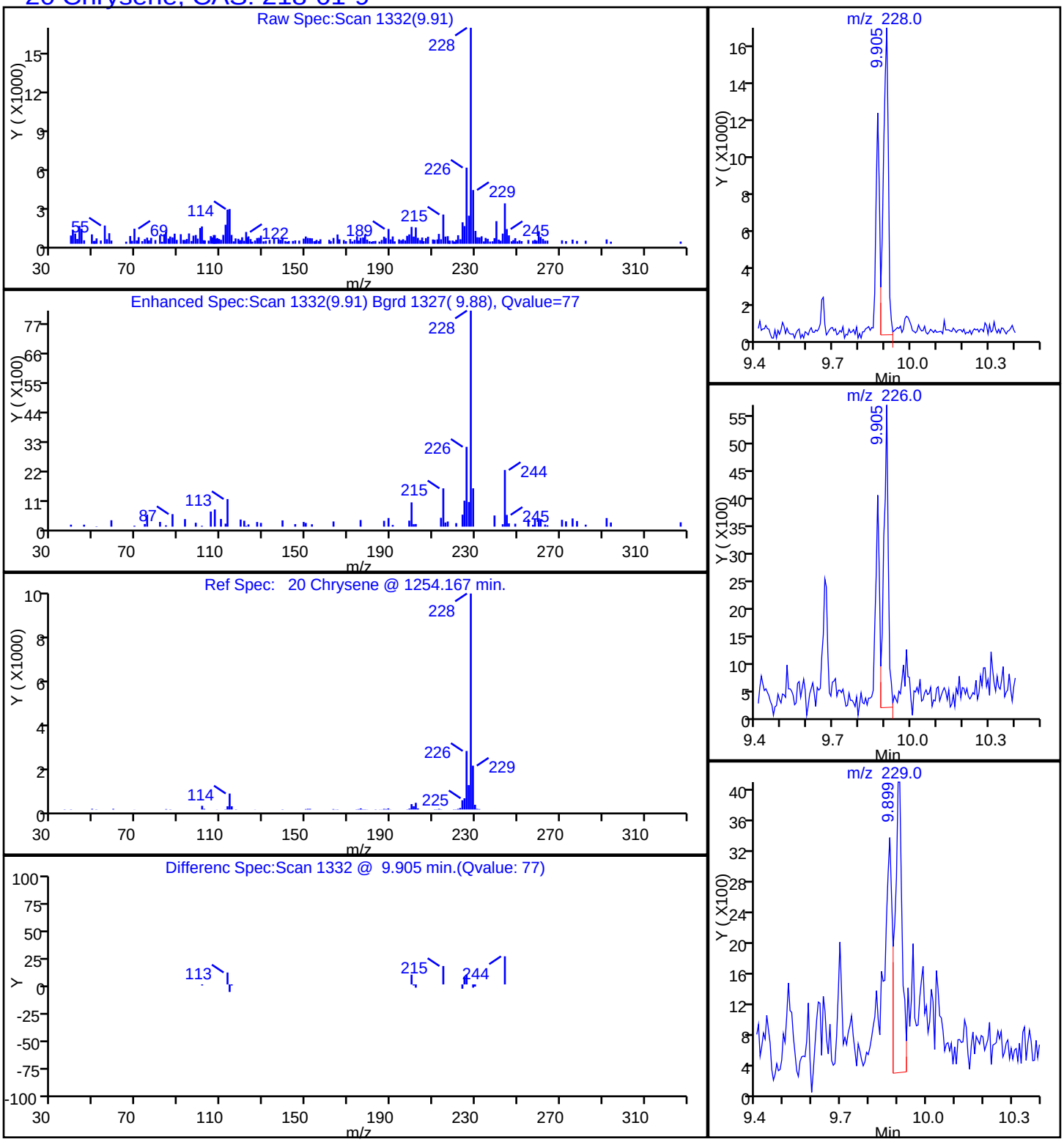


Report Date: 12-Sep-2014 10:30:15 Chrom Revision: 2.2 18-Aug-2014 12:17:36

TestAmerica Savannah

Data File:	\\SAVCHROM\ChromData\CMSK\20140909-12643.b\1KI0918.D				
Injection Date:	09-Sep-2014 16:03:30	Instrument ID:	CMSK		
Lims ID:	680-104968-A-7-A	Lab Sample ID:	680-104968-7		
Client ID:	CV0755A-CS12				
Operator ID:	RM	ALS Bottle#:	18	Worklist Smp#:	18
Injection Vol:	2.0 ul	Dil. Factor:	10.0000		
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

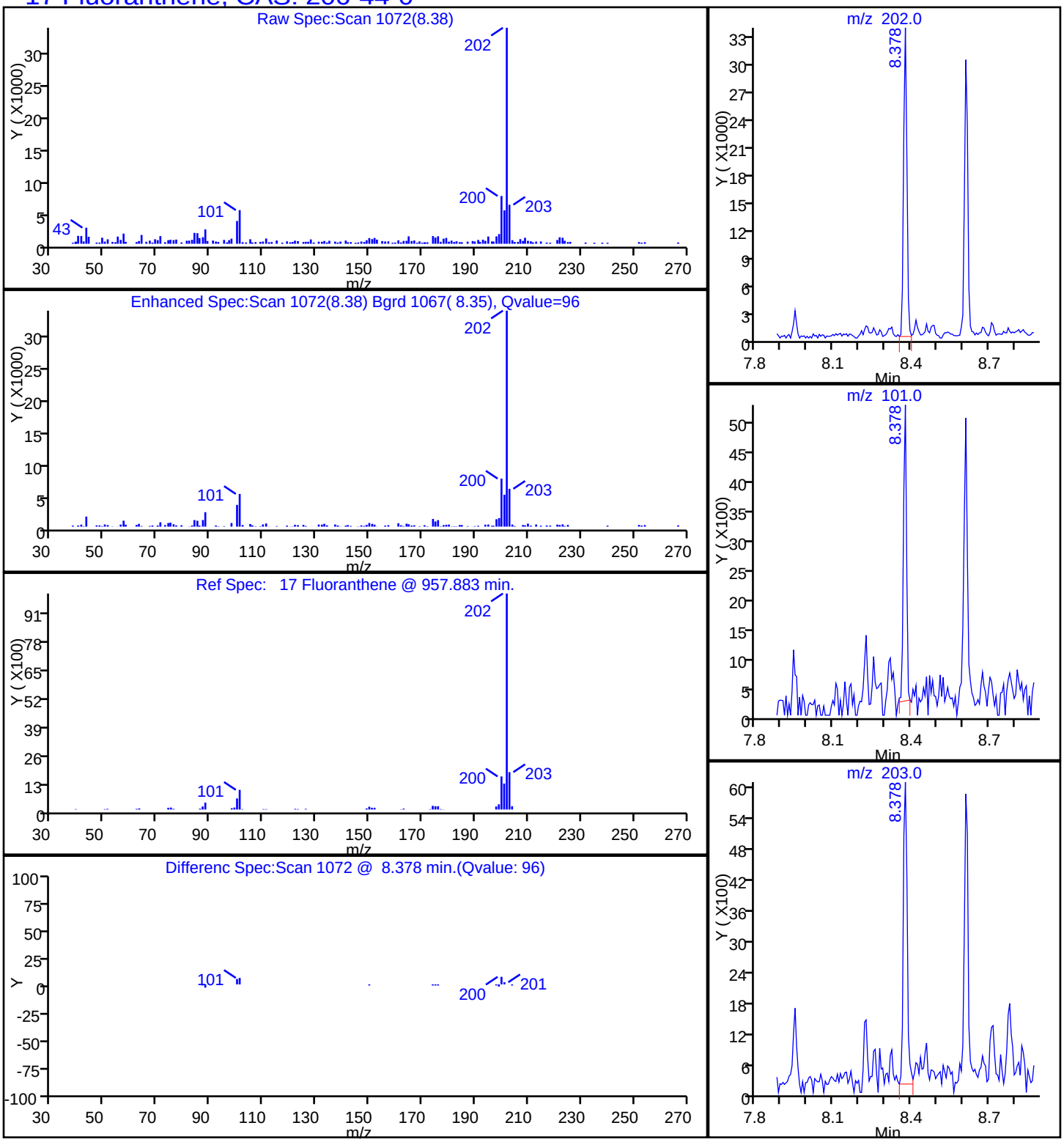


Report Date: 12-Sep-2014 10:30:15 Chrom Revision: 2.2 18-Aug-2014 12:17:36

TestAmerica Savannah

Data File:	\\SAVCHROM\ChromData\CMSK\20140909-12643.b\1KI0918.D				
Injection Date:	09-Sep-2014 16:03:30	Instrument ID:	CMSK		
Lims ID:	680-104968-A-7-A	Lab Sample ID:	680-104968-7		
Client ID:	CV0755A-CS12				
Operator ID:	RM	ALS Bottle#:	18	Worklist Smp#:	18
Injection Vol:	2.0 ul	Dil. Factor:	10.0000		
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

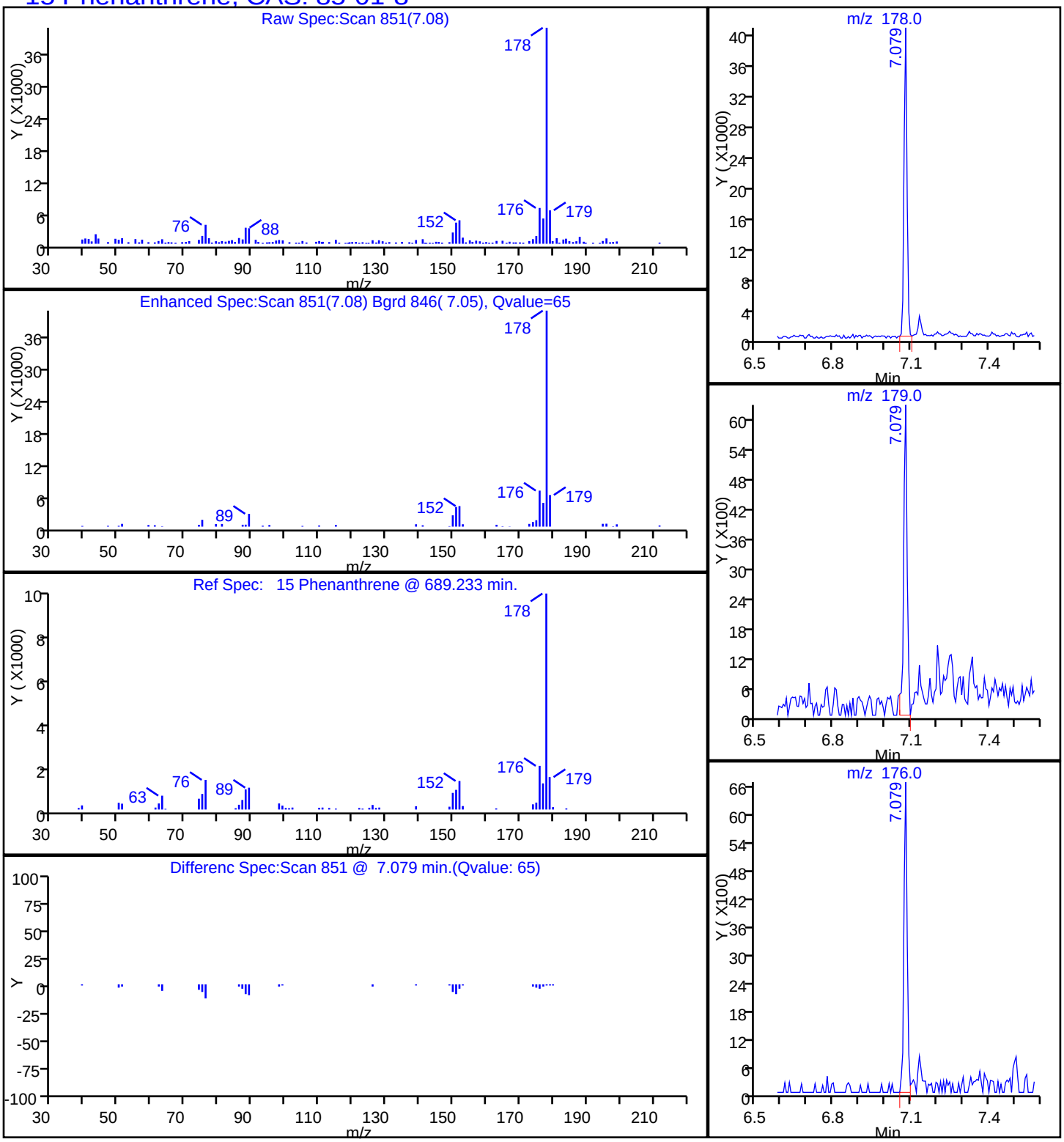


Report Date: 12-Sep-2014 10:30:15 Chrom Revision: 2.2 18-Aug-2014 12:17:36

TestAmerica Savannah

Data File:	\\SAVCHROM\ChromData\CMSK\20140909-12643.b\1KI0918.D				
Injection Date:	09-Sep-2014 16:03:30	Instrument ID:	CMSK		
Lims ID:	680-104968-A-7-A	Lab Sample ID:	680-104968-7		
Client ID:	CV0755A-CS12				
Operator ID:	RM	ALS Bottle#:	18	Worklist Smp#:	18
Injection Vol:	2.0 ul	Dil. Factor:	10.0000		
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

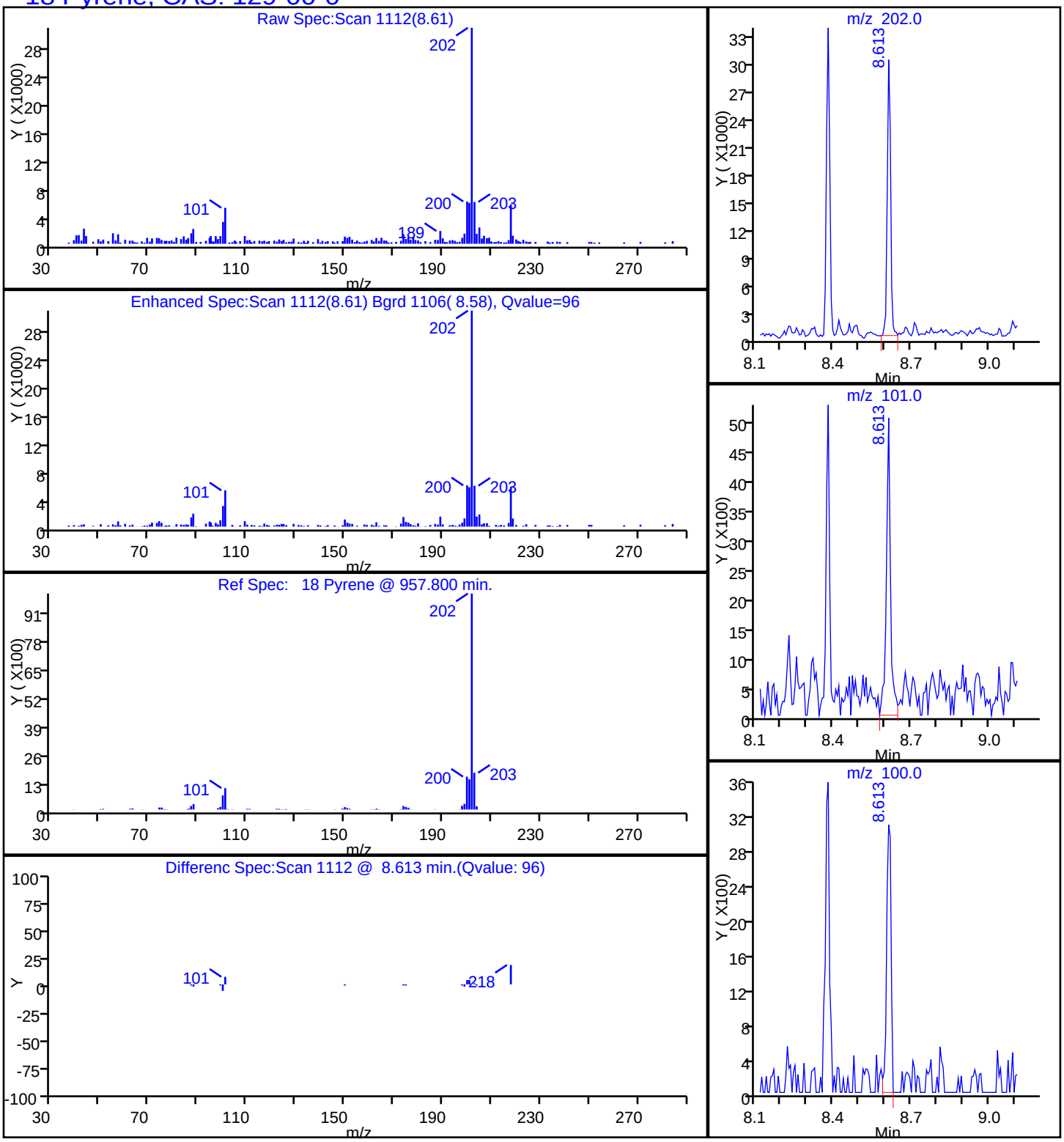


Report Date: 12-Sep-2014 10:30:15 Chrom Revision: 2.2 18-Aug-2014 12:17:36

TestAmerica Savannah

Data File:	\\SAVCHROM\ChromData\CMSK\20140909-12643.b\1KI0918.D				
Injection Date:	09-Sep-2014 16:03:30	Instrument ID:	CMSK		
Lims ID:	680-104968-A-7-A	Lab Sample ID:	680-104968-7		
Client ID:	CV0755A-CS12				
Operator ID:	RM	ALS Bottle#:	18	Worklist Smp#:	18
Injection Vol:	2.0 ul	Dil. Factor:	10.0000		
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

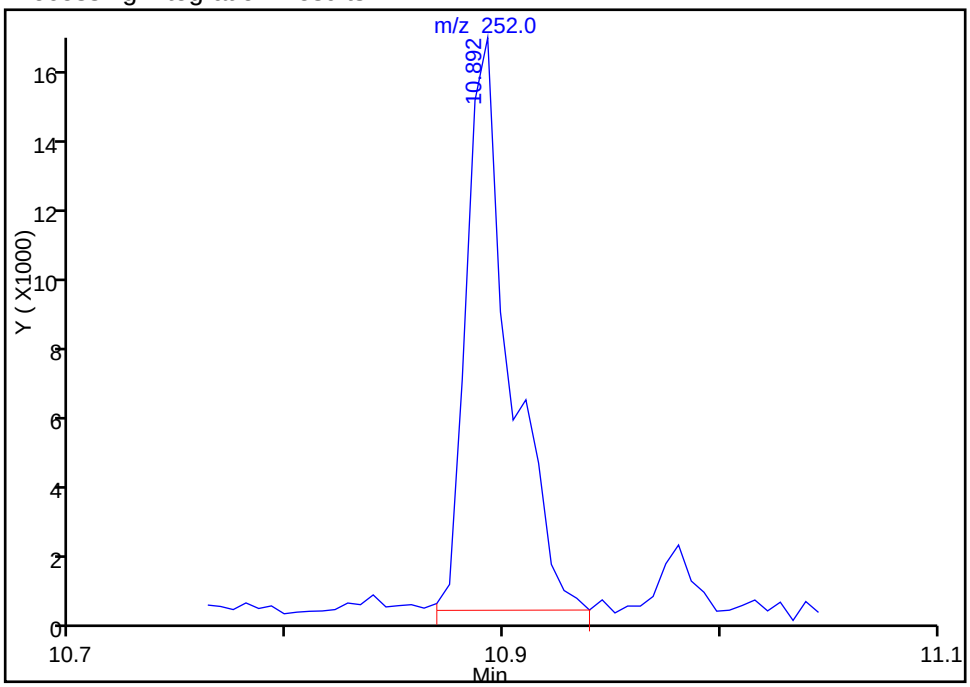
TestAmerica Savannah

Data File:	\\SAVCHROM\ChromData\CMSK\20140909-12643.b\1KI0918.D				
Injection Date:	09-Sep-2014 16:03:30	Instrument ID:	CMSK		
Lims ID:	680-104968-A-7-A	Lab Sample ID:	680-104968-7		
Client ID:	CV0755A-CS12				
Operator ID:	RM	ALS Bottle#:	18	Worklist Smp#:	18
Injection Vol:	2.0 ul	Dil. Factor:	10.0000		
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

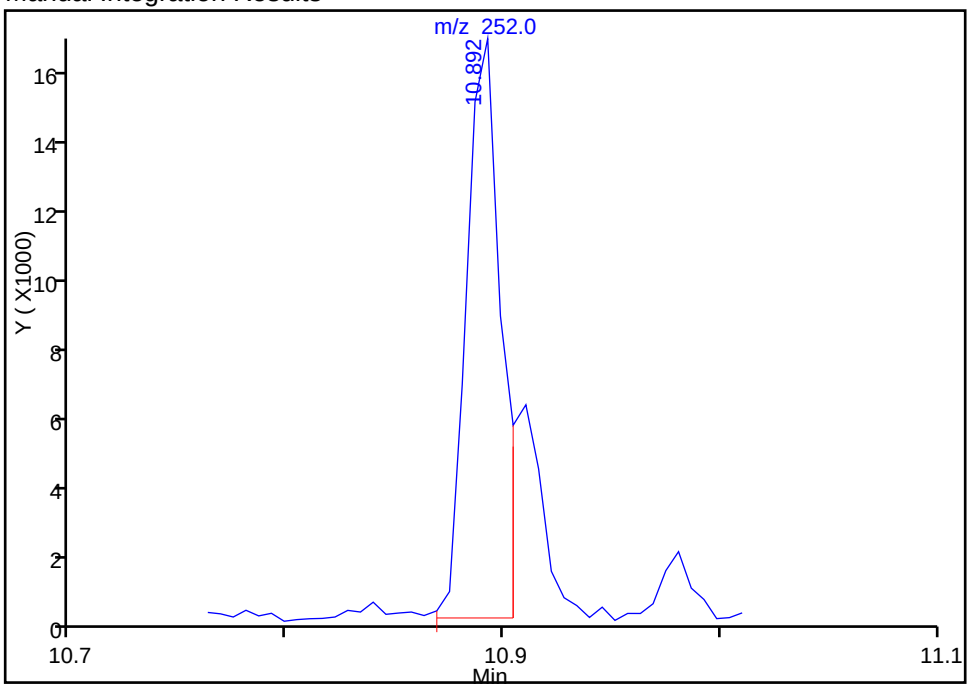
Processing Integration Results

RT: 10.89
Response: 21991
Amount: 0.167026



Manual Integration Results

RT: 10.89
Response: 17795
Amount: 0.135157



Reviewer: webbk, 09-Sep-2014 16:33:53
Audit Action: Manually Integrated
Audit Reason: Split Peak

Manual Integration/User Assign Peak Report

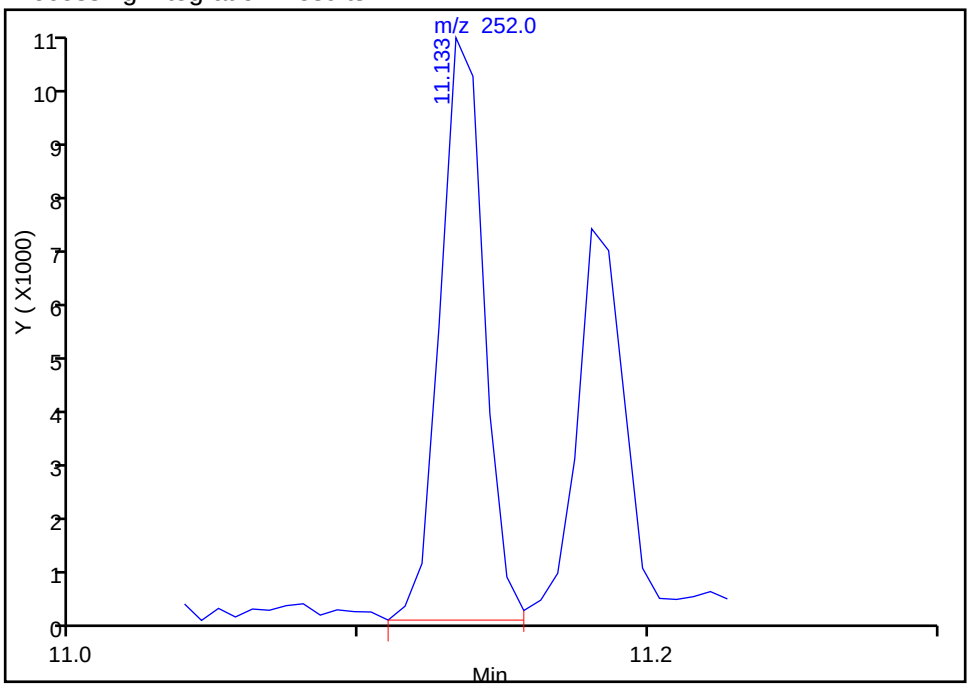
TestAmerica Savannah

Data File:	\\SAVCHROM\ChromData\CMSK\20140909-12643.b\1KI0918.D				
Injection Date:	09-Sep-2014 16:03:30	Instrument ID:	CMSK		
Lims ID:	680-104968-A-7-A	Lab Sample ID:	680-104968-7		
Client ID:	CV0755A-CS12				
Operator ID:	RM	ALS Bottle#:	18	Worklist Smp#:	18
Injection Vol:	2.0 ul	Dil. Factor:	10.0000		
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

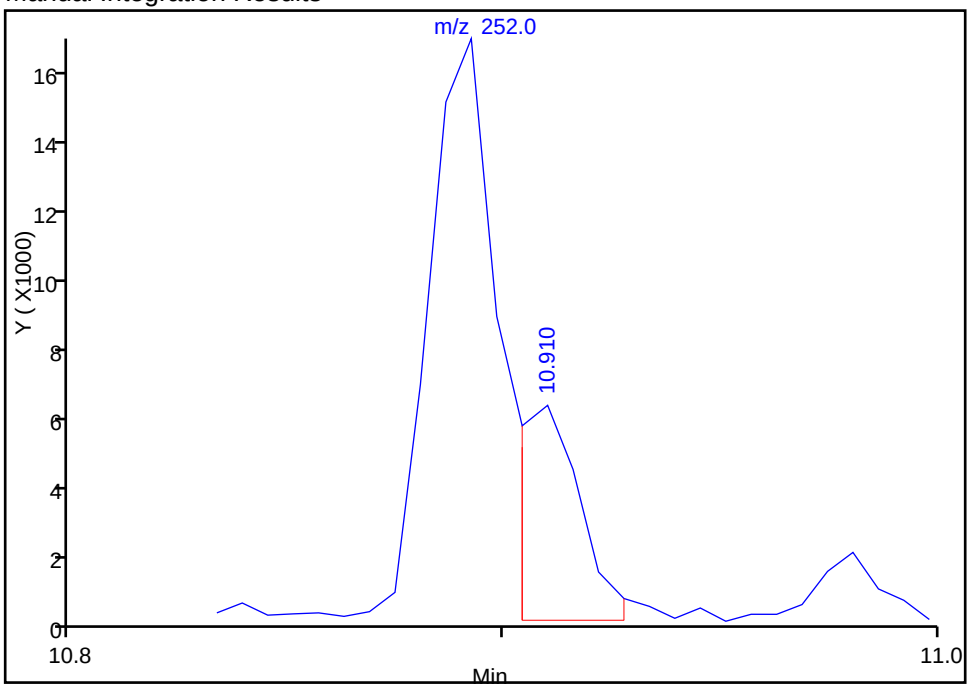
Processing Integration Results

RT: 11.13
Response: 11228
Amount: 0.084611



Manual Integration Results

RT: 10.91
Response: 6028
Amount: 0.045425



Reviewer: webbk, 09-Sep-2014 16:33:53
Audit Action: Manually Integrated
Audit Reason: Split Peak

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Savannah
Job No.: 680-104968-1
SDG No.: 680-104968-01
Client Sample ID: CV0755A-CS18
Lab Sample ID: 680-104968-8
Matrix: Solid
Lab File ID: 1KI0919.D
Analysis Method: 8270D_LL_PAH
Date Collected: 09/04/2014 09:05
Extract. Method: 3546
Date Extracted: 09/06/2014 12:38
Sample wt/vol: 30.03(g)
Date Analyzed: 09/09/2014 16:26
Con. Extract Vol.: 1(mL)
Dilution Factor: 10
Injection Volume: 2(uL)
Level: (low/med) Low
% Moisture: 19.9
GPC Cleanup:(Y/N) N
Analysis Batch No.: 347967
Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
83-32-9	Acenaphthene	84	U	84	41
208-96-8	Acenaphthylene	84	U	84	41
120-12-7	Anthracene	84	U	84	41
56-55-3	Benzo[a]anthracene	84	U	84	41
50-32-8	Benzo[a]pyrene	84	U	84	15
205-99-2	Benzo[b]fluoranthene	84	U	84	41
191-24-2	Benzo[g,h,i]perylene	84	U	84	41
207-08-9	Benzo[k]fluoranthene	84	U	84	25
218-01-9	Chrysene	84	U	84	41
53-70-3	Dibenz(a,h)anthracene	84	U	84	41
206-44-0	Fluoranthene	84	U	84	41
86-73-7	Fluorene	84	U	84	41
193-39-5	Indeno[1,2,3-cd]pyrene	84	U	84	41
90-12-0	1-Methylnaphthalene	84	U	84	39
91-57-6	2-Methylnaphthalene	84	U	84	41
91-20-3	Naphthalene	84	U	84	41
85-01-8	Phenanthrene	84	U	84	30
129-00-0	Pyrene	84	U	84	41

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\20140909-12643.b\1KI0919.D				
Lims ID:	680-104968-A-8-A	Lab Sample ID:	680-104968-8		
Client ID:	CV0755A-CS18				
Sample Type:	Client				
Inject. Date:	09-Sep-2014 16:26:30	ALS Bottle#:	19	Worklist Smp#:	19
Injection Vol:	2.0 ul	Dil. Factor:	10.0000		
Sample Info:	680-104968-A-8-A				
Misc. Info.:	680-0012643-019				
Operator ID:	RM	Instrument ID:	CMSK		

Method:	\\SAVCHROM\ChromData\CMSK\20140909-12643.b\8270_LLPAH_CMSK.m		
Limit Group:	8270D_LL_PAH		
Last Update:	12-Sep-2014 10:29:51	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:	XAWRK027	

First Level Reviewer: webbk Date: 09-Sep-2014 16:59:09

	Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/ml	Flags
*	1 Naphthalene-d8	136	3.713	3.713	0.000	98	502421	2.00	
*	2 Acenaphthene-d10	164	5.464	5.464	0.000	91	259132	2.00	
*	3 Phenanthrene-d10	188	7.056	7.056	0.000	98	347415	2.00	
*	4 Chrysene-d12	240	9.882	9.882	0.000	98	244473	2.00	
*	5 Perylene-d12	264	11.245	11.239	0.006	96	173612	2.00	

Reagents:

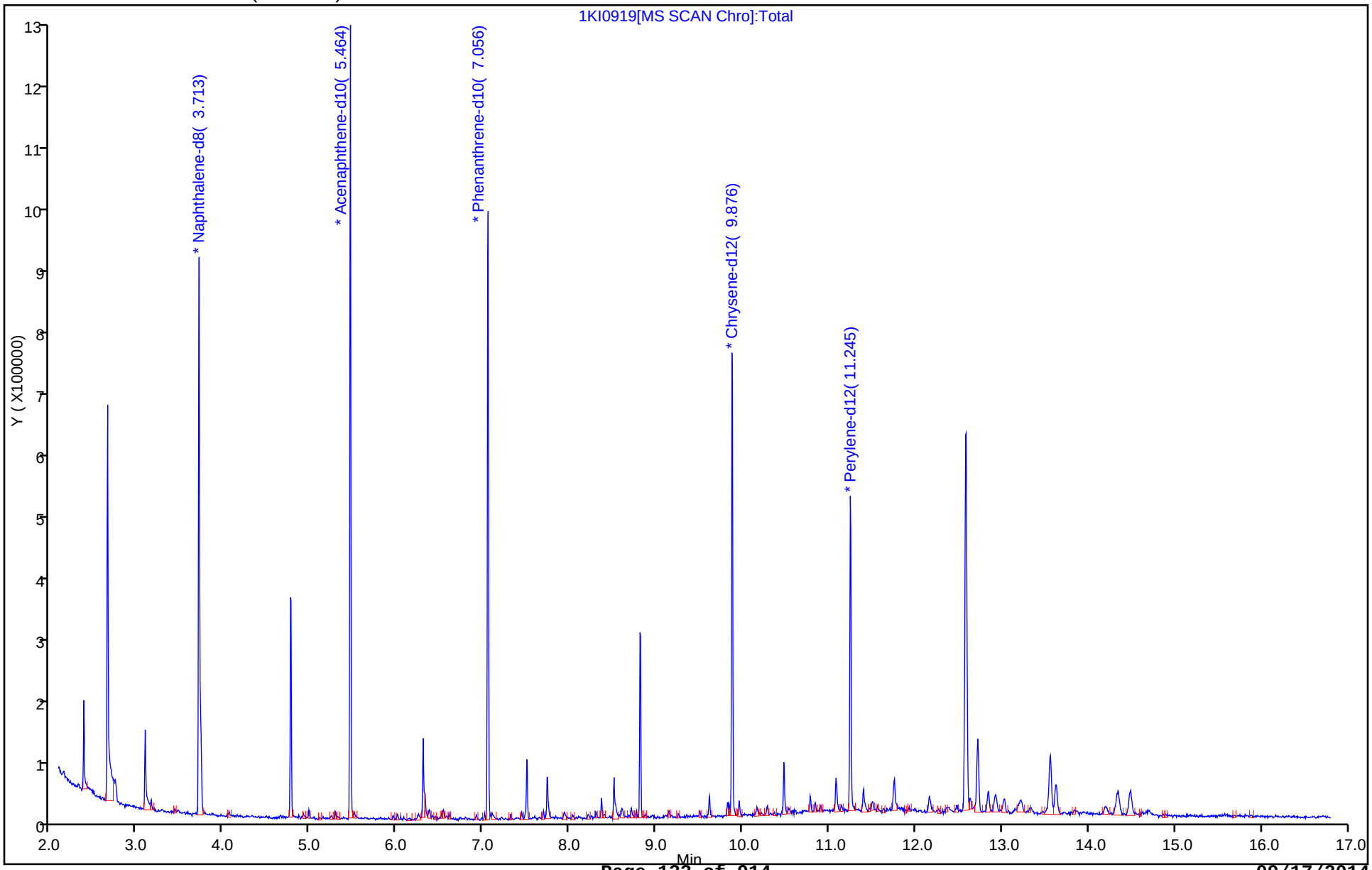
SM-LLISTD_00106 Amount Added: 10.00 Units: uL Run Reagent

Report Date: 12-Sep-2014 10:30:16 Chrom Revision: 2.2 18-Aug-2014 12:17:36

TestAmerica Savannah

Data File:	\\SAVCHROM\ChromData\CMSK\20140909-12643.b\1KI0919.D				
Injection Date:	09-Sep-2014 16:26:30	Instrument ID:	CMSK	Operator ID:	RM
Lims ID:	680-104968-A-8-A	Lab Sample ID:	680-104968-8	Worklist Smp#:	19
Client ID:	CV0755A-CS18				
Injection Vol:	2.0 ul	Dil. Factor:	10.0000	ALS Bottle#:	19
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.: 680-104968-1
SDG No.: 680-104968-01
Client Sample ID: CV0755A-CS24
Lab Sample ID: 680-104968-9
Matrix: Solid
Lab File ID: 1KI0920.D
Analysis Method: 8270D_LL_PAH
Date Collected: 09/04/2014 09:15
Extract. Method: 3546
Date Extracted: 09/06/2014 12:38
Sample wt/vol: 30.05(g)
Date Analyzed: 09/09/2014 16:49
Con. Extract Vol.: 1(mL)
Dilution Factor: 10
Injection Volume: 2(uL)
Level: (low/med) Low
% Moisture: 11.6
GPC Cleanup:(Y/N) N
Analysis Batch No.: 347967
Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
83-32-9	Acenaphthene	76	U	76	37
208-96-8	Acenaphthylene	76	U	76	37
120-12-7	Anthracene	76	U	76	37
56-55-3	Benzo[a]anthracene	76	U	76	37
50-32-8	Benzo[a]pyrene	76	U	76	14
205-99-2	Benzo[b]fluoranthene	76	U	76	37
191-24-2	Benzo[g,h,i]perylene	76	U	76	37
207-08-9	Benzo[k]fluoranthene	76	U	76	23
218-01-9	Chrysene	76	U	76	37
53-70-3	Dibenz(a,h)anthracene	76	U	76	37
206-44-0	Fluoranthene	76	U	76	37
86-73-7	Fluorene	76	U	76	37
193-39-5	Indeno[1,2,3-cd]pyrene	76	U	76	37
90-12-0	1-Methylnaphthalene	76	U	76	35
91-57-6	2-Methylnaphthalene	76	U	76	37
91-20-3	Naphthalene	76	U	76	37
85-01-8	Phenanthrene	76	U	76	27
129-00-0	Pyrene	76	U	76	37

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\20140909-12643.b\1KI0920.D				
Lims ID:	680-104968-A-9-A	Lab Sample ID:	680-104968-9		
Client ID:	CV0755A-CS24				
Sample Type:	Client				
Inject. Date:	09-Sep-2014 16:49:30	ALS Bottle#:	20	Worklist Smp#:	20
Injection Vol:	2.0 ul	Dil. Factor:	10.0000		
Sample Info:	680-104968-A-9-A				
Misc. Info.:	680-0012643-020				
Operator ID:	RM	Instrument ID:	CMSK		

Method:	\\SAVCHROM\ChromData\CMSK\20140909-12643.b\8270_LLPAH_CMSK.m		
Limit Group:	8270D_LL_PAH		
Last Update:	12-Sep-2014 10:29:51	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:	XAWRK027	

First Level Reviewer: webbk Date: 10-Sep-2014 10:07:43

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/ml	Flags
* 1 Naphthalene-d8	136	3.712	3.713	-0.001	98	506031	2.00	
* 2 Acenaphthene-d10	164	5.463	5.464	-0.001	92	255870	2.00	
* 3 Phenanthrene-d10	188	7.056	7.056	0.000	98	347298	2.00	
* 4 Chrysene-d12	240	9.882	9.882	0.000	99	239128	2.00	
* 5 Perylene-d12	264	11.251	11.239	0.012	96	179359	2.00	

Reagents:

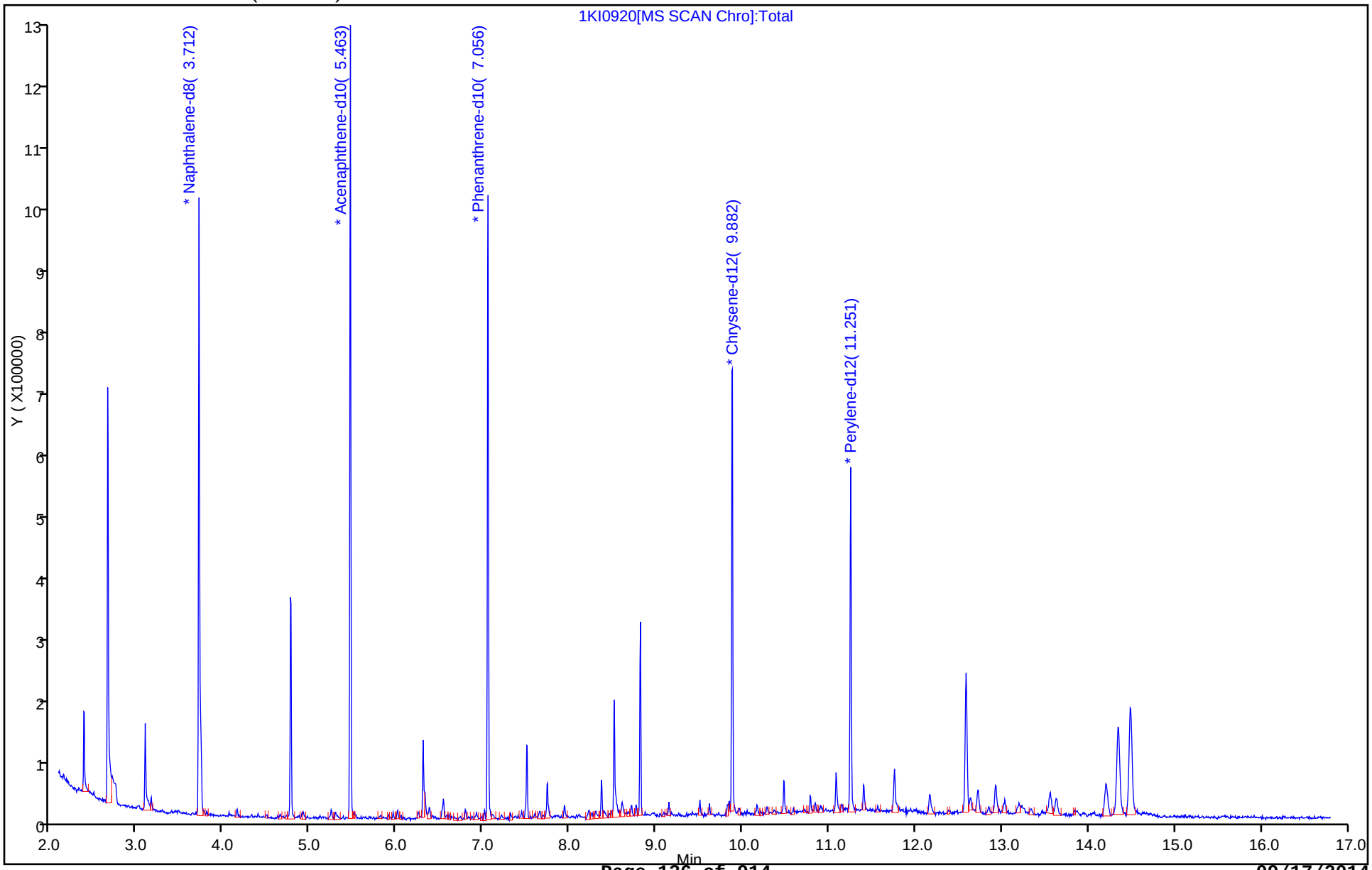
SM-LLISTD_00106 Amount Added: 10.00 Units: uL Run Reagent

Report Date: 12-Sep-2014 10:30:17 Chrom Revision: 2.2 18-Aug-2014 12:17:36

TestAmerica Savannah

Data File:	\\SAVCHROM\ChromData\CMSK\20140909-12643.b\1KI0920.D				
Injection Date:	09-Sep-2014 16:49:30	Instrument ID:	CMSK	Operator ID:	RM
Lims ID:	680-104968-A-9-A	Lab Sample ID:	680-104968-9	Worklist Smp#:	20
Client ID:	CV0755A-CS24				
Injection Vol:	2.0 ul	Dil. Factor:	10.0000	ALS Bottle#:	20
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.: 680-104968-1
SDG No.: 680-104968-01
Client Sample ID: CV0755B-CS6
Lab Sample ID: 680-104968-11
Matrix: Solid
Lab File ID: 1KI0921.D
Analysis Method: 8270D_LL_PAH
Date Collected: 09/04/2014 09:40
Extract. Method: 3546
Date Extracted: 09/06/2014 12:38
Sample wt/vol: 30.03(g)
Date Analyzed: 09/09/2014 17:12
Con. Extract Vol.: 1(mL)
Dilution Factor: 20
Injection Volume: 2(uL)
Level: (low/med) Low
% Moisture: 10.7
GPC Cleanup:(Y/N) N
Analysis Batch No.: 347967
Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
83-32-9	Acenaphthene	170		150	74
208-96-8	Acenaphthylene	150	U	150	74
120-12-7	Anthracene	910		150	74
56-55-3	Benzo[a]anthracene	4900		150	74
50-32-8	Benzo[a]pyrene	4300		150	27
205-99-2	Benzo[b]fluoranthene	6600		150	74
191-24-2	Benzo[g,h,i]perylene	1700		150	74
207-08-9	Benzo[k]fluoranthene	3200		150	45
218-01-9	Chrysene	5800		150	74
53-70-3	Dibenz(a,h)anthracene	620		150	74
206-44-0	Fluoranthene	12000		150	74
86-73-7	Fluorene	250		150	74
193-39-5	Indeno[1,2,3-cd]pyrene	1500		150	74
90-12-0	1-Methylnaphthalene	180		150	69
91-57-6	2-Methylnaphthalene	190		150	74
91-20-3	Naphthalene	150		150	74
85-01-8	Phenanthrene	6000		150	54
129-00-0	Pyrene	8400		150	74

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\20140909-12643.b\1KI0921.D
Lims ID: 680-104968-A-11-A Lab Sample ID: 680-104968-11
Client ID: CV0755B-CS6
Sample Type: Client
Inject. Date: 09-Sep-2014 17:12:30 ALS Bottle#: 21 Worklist Smp#: 21
Injection Vol: 2.0 ul Dil. Factor: 20.0000
Sample Info: 680-104968-A-11-A
Misc. Info.: 680-0012643-021
Operator ID: RM Instrument ID: CMSK

Method: \\SAVCHROM\ChromData\CMSK\20140909-12643.b\8270_LLPAH_CMSK.m
Limit Group: 8270D_LL_PAH
Last Update: 16-Sep-2014 10:14:55 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: XAWRK035

First Level Reviewer: webbk Date: 10-Sep-2014 10:10:44

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/ml	Flags
* 1 Naphthalene-d8	136	3.713	3.713	0.000	98	438682	2.00	
* 2 Acenaphthene-d10	164	5.463	5.464	-0.001	89	229059	2.00	
* 3 Phenanthrene-d10	188	7.056	7.056	0.000	98	308345	2.00	
* 4 Chrysene-d12	240	9.882	9.882	0.000	80	264248	2.00	
* 5 Perylene-d12	264	11.257	11.239	0.018	97	205394	2.00	
7 Naphthalene	128	3.730	3.730	0.000	99	46243	0.2014	
9 2-Methylnaphthalene	142	4.394	4.394	0.000	83	34450	0.2570	
8 1-Methylnaphthalene	142	4.494	4.494	0.000	77	30509	0.2428	
12 Acenaphthene	153	5.493	5.493	0.000	77	30649	0.2275	
14 Fluorene	166	6.045	6.045	0.000	91	40427	0.3312	
15 Phenanthrene	178	7.079	7.079	0.000	97	1437589	8.11	
16 Anthracene	178	7.132	7.132	0.000	97	197560	1.22	
17 Fluoranthene	202	8.384	8.378	0.006	98	2635600	16.4	
18 Pyrene	202	8.619	8.613	0.006	96	2293922	11.2	
19 Benzo[a]anthracene	228	9.876	9.870	0.006	99	903127	6.54	
20 Chrysene	228	9.911	9.906	0.005	93	1036265	7.81	
21 Benzo[b]fluoranthene	252	10.904	10.893	0.011	96	1110339	8.88	
22 Benzo[k]fluoranthene	252	10.916	10.916	0.000	95	538518	4.27	M
23 Benzo[a]pyrene	252	11.198	11.186	0.012	94	639363	5.76	
24 Indeno[1,2,3-cd]pyrene	276	12.408	12.391	0.017	96	288002	2.01	
25 Dibenz(a,h)anthracene	278	12.432	12.432	0.012	30	89033	0.8248	
26 Benzo[g,h,i]perylene	276	12.743	12.726	0.017	88	245860	2.22	

QC Flag Legend

Review Flags
M - Manually Integrated

Reagents:

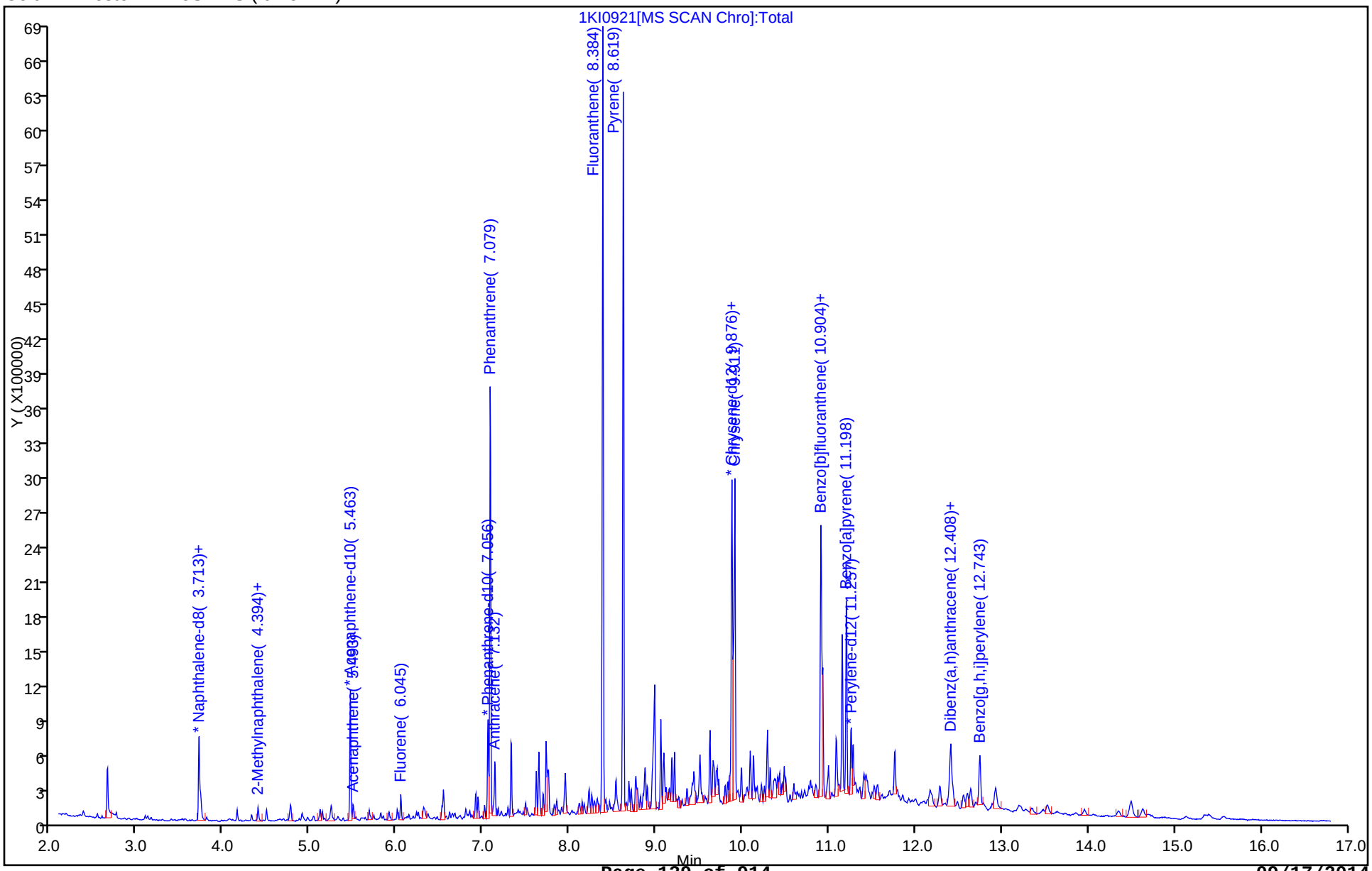
SM-LLISTD_00106 Amount Added: 10.00 Units: uL Run Reagent

Report Date: 16-Sep-2014 10:14:56 Chrom Revision: 2.2 18-Aug-2014 12:17:36

TestAmerica Savannah

Data File:	\\SAVCHROM\ChromData\CMSK\20140909-12643.b\1KI0921.D				
Injection Date:	09-Sep-2014 17:12:30	Instrument ID:	CMSK	Operator ID:	RM
Lims ID:	680-104968-A-11-A	Lab Sample ID:	680-104968-11	Worklist Smp#:	21
Client ID:	CV0755B-CS6				
Injection Vol:	2.0 ul	Dil. Factor:	20.0000	ALS Bottle#:	21
Method:	8270_LLPAH_CMSK	Limit Group:	8270D_LL_PAH		

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

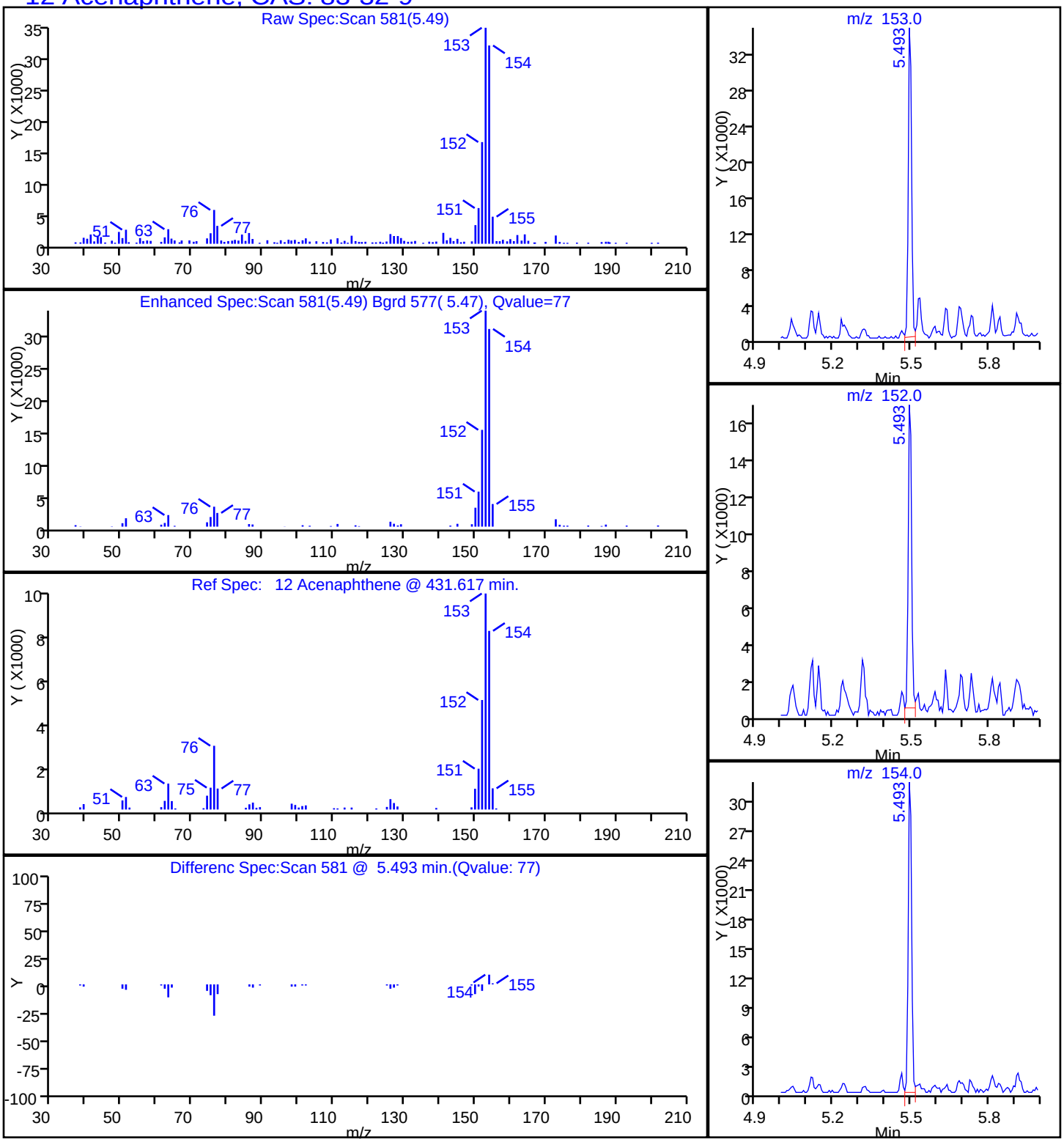


Report Date: 16-Sep-2014 10:14:56 Chrom Revision: 2.2 18-Aug-2014 12:17:36

TestAmerica Savannah

Data File:	\\SAVCHROM\ChromData\CMSK\20140909-12643.b\1KI0921.D				
Injection Date:	09-Sep-2014 17:12:30	Instrument ID:	CMSK		
Lims ID:	680-104968-A-11-A	Lab Sample ID:	680-104968-11		
Client ID:	CV0755B-CS6				
Operator ID:	RM	ALS Bottle#:	21	Worklist Smp#:	21
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

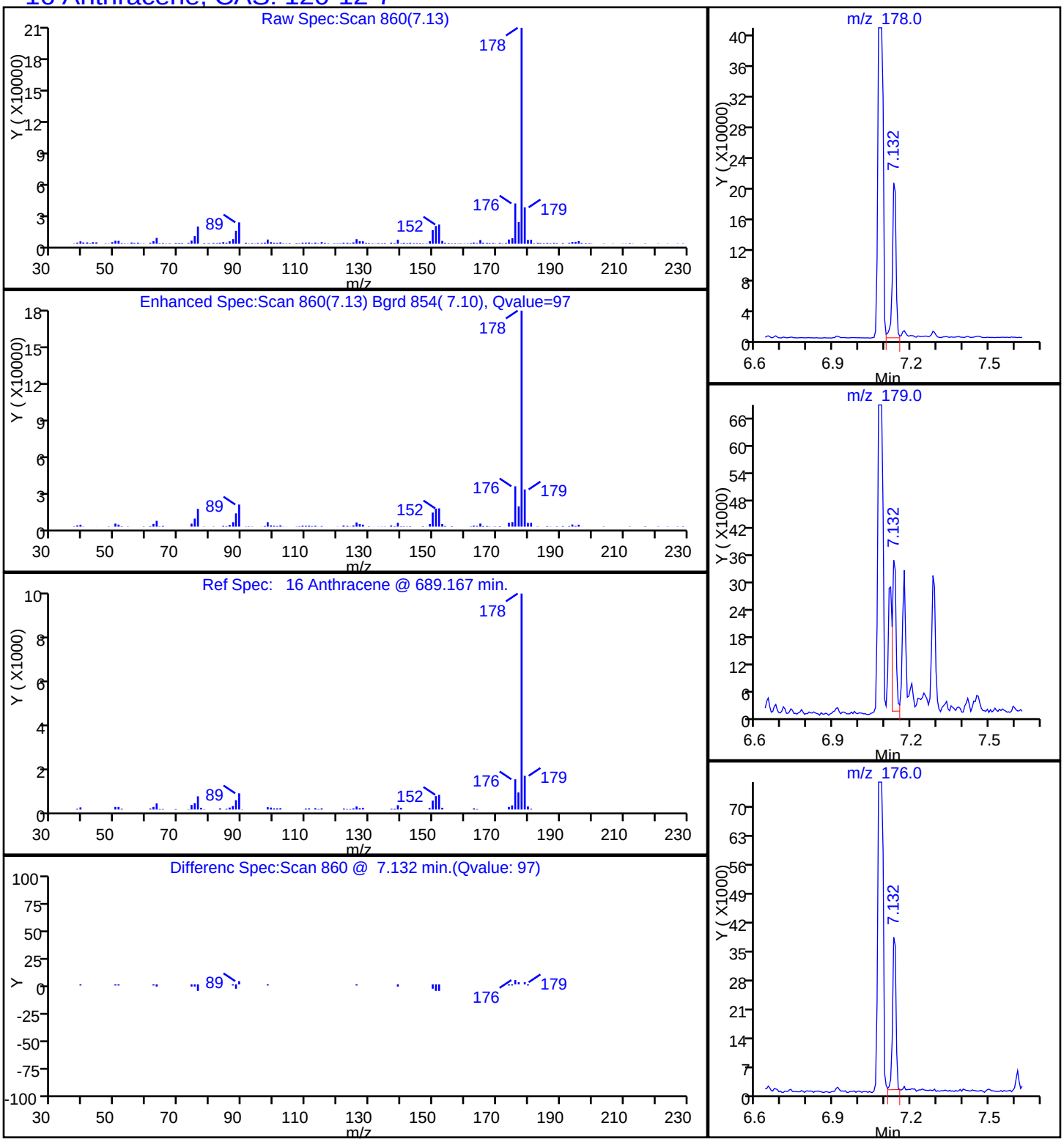


Report Date: 16-Sep-2014 10:14:56 Chrom Revision: 2.2 18-Aug-2014 12:17:36

TestAmerica Savannah

Data File:	\\SAVCHROM\ChromData\CMSK\20140909-12643.b\1KI0921.D				
Injection Date:	09-Sep-2014 17:12:30	Instrument ID:	CMSK		
Lims ID:	680-104968-A-11-A	Lab Sample ID:	680-104968-11		
Client ID:	CV0755B-CS6				
Operator ID:	RM	ALS Bottle#:	21	Worklist Smp#:	21
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

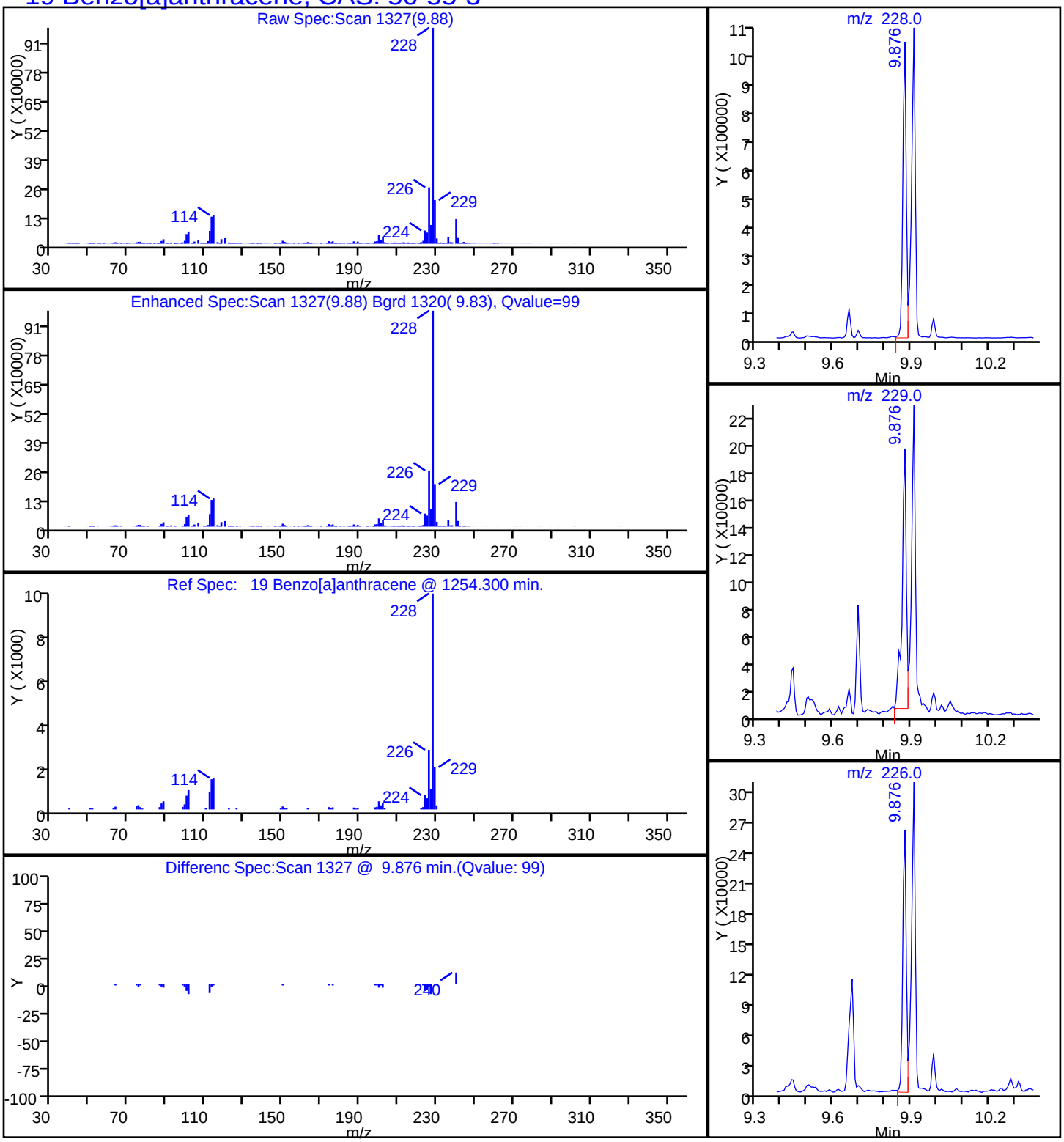


Report Date: 16-Sep-2014 10:14:56 Chrom Revision: 2.2 18-Aug-2014 12:17:36

TestAmerica Savannah

Data File:	\\SAVCHROM\ChromData\CMSK\20140909-12643.b\1KI0921.D				
Injection Date:	09-Sep-2014 17:12:30	Instrument ID:	CMSK		
Lims ID:	680-104968-A-11-A	Lab Sample ID:	680-104968-11		
Client ID:	CV0755B-CS6				
Operator ID:	RM	ALS Bottle#:	21	Worklist Smp#:	21
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: 16-Sep-2014 10:14:56 Chrom Revision: 2.2 18-Aug-2014 12:17:36

TestAmerica Savannah

Data File:	\\SAVCHROM\ChromData\CMSK\20140909-12643.b\1KI0921.D				
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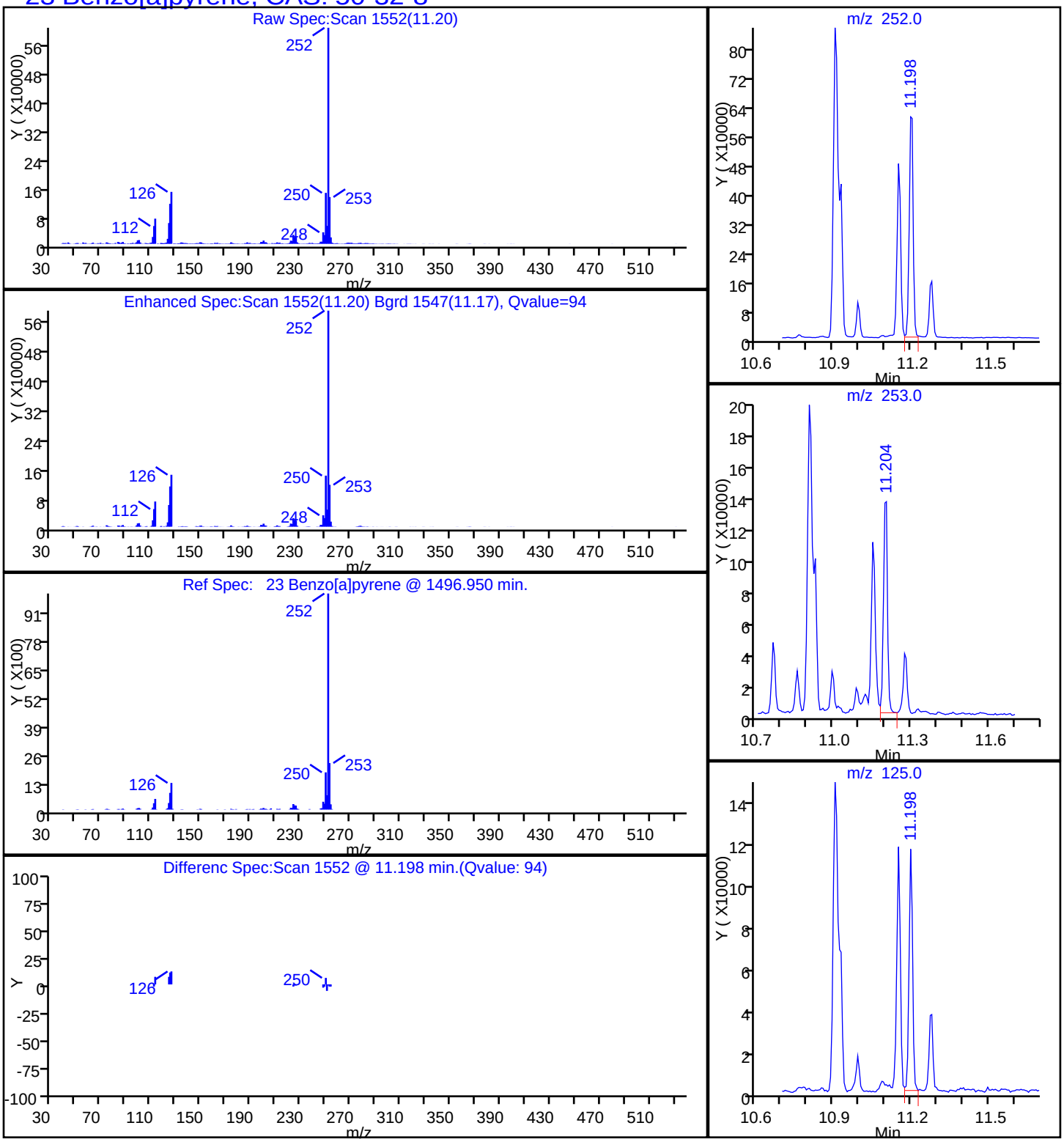
Lims ID:	680-104968-A-11-A	Lab Sample ID:	680-104968-11		
Client ID:	CV0755B-CS6				
Operator ID:	RM	ALS Bottle#:	21	Worklist Smp#:	21
Injection Vol:	2.0 ul	Dil. Factor:	20.0000		
Method:	8270_LLPAH_CMSK	Limit Group:	8270D_LL_PAH		
Column:	Restek RXi-5Sil MS (0.25 mm)	Detector	MS SCAN		

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

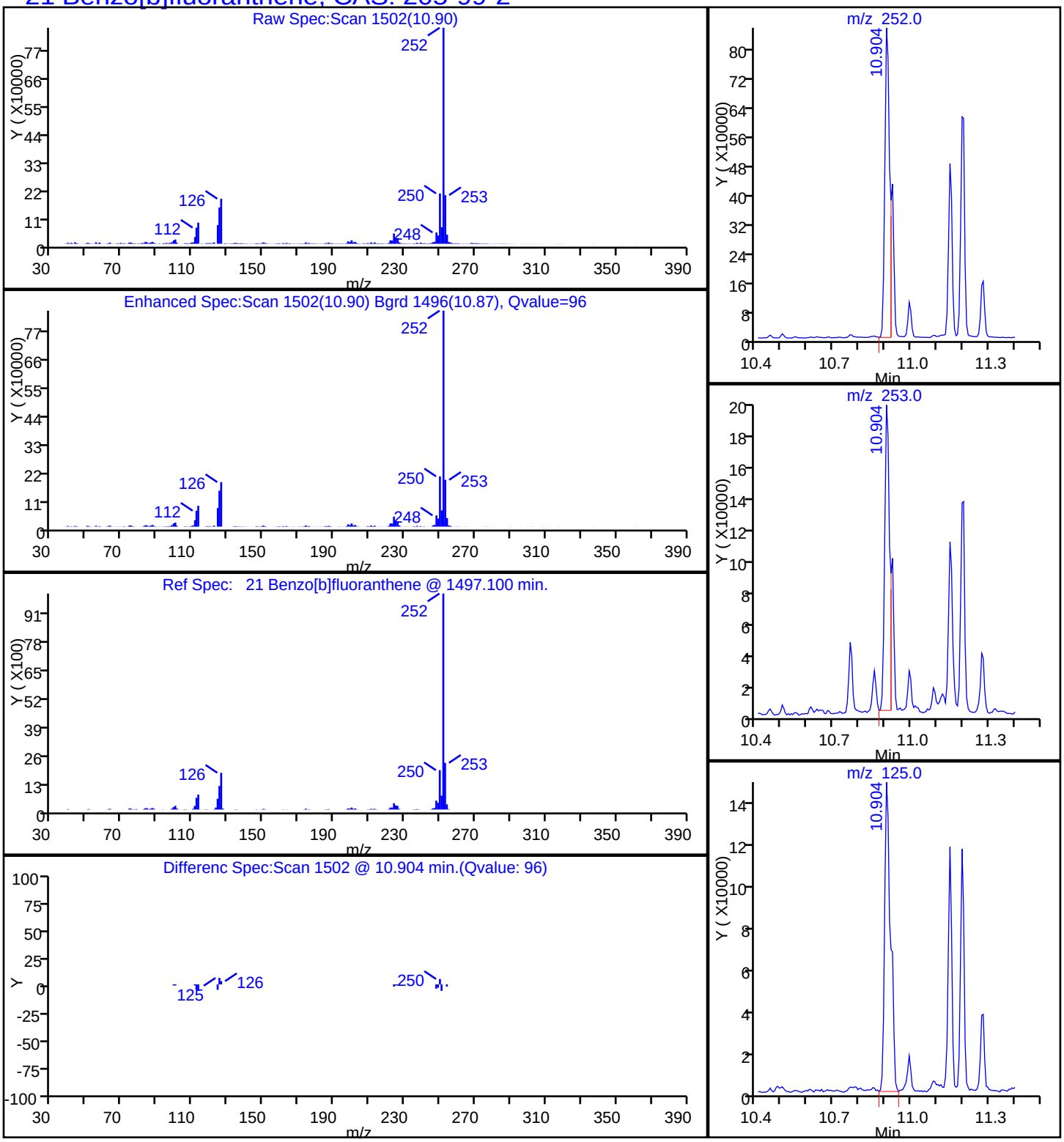


Report Date: 16-Sep-2014 10:14:56 Chrom Revision: 2.2 18-Aug-2014 12:17:36

TestAmerica Savannah

Data File:	\\SAVCHROM\ChromData\CMSK\20140909-12643.b\1KI0921.D				
Injection Date:	09-Sep-2014 17:12:30	Instrument ID:	CMSK		
Lims ID:	680-104968-A-11-A	Lab Sample ID:	680-104968-11		
Client ID:	CV0755B-CS6				
Operator ID:	RM	ALS Bottle#:	21	Worklist Smp#:	21
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: 16-Sep-2014 10:14:57 Chrom Revision: 2.2 18-Aug-2014 12:17:36

TestAmerica Savannah

Data File:	\\SAVCHROM\ChromData\CMSK\20140909-12643.b\1KI0921.D				
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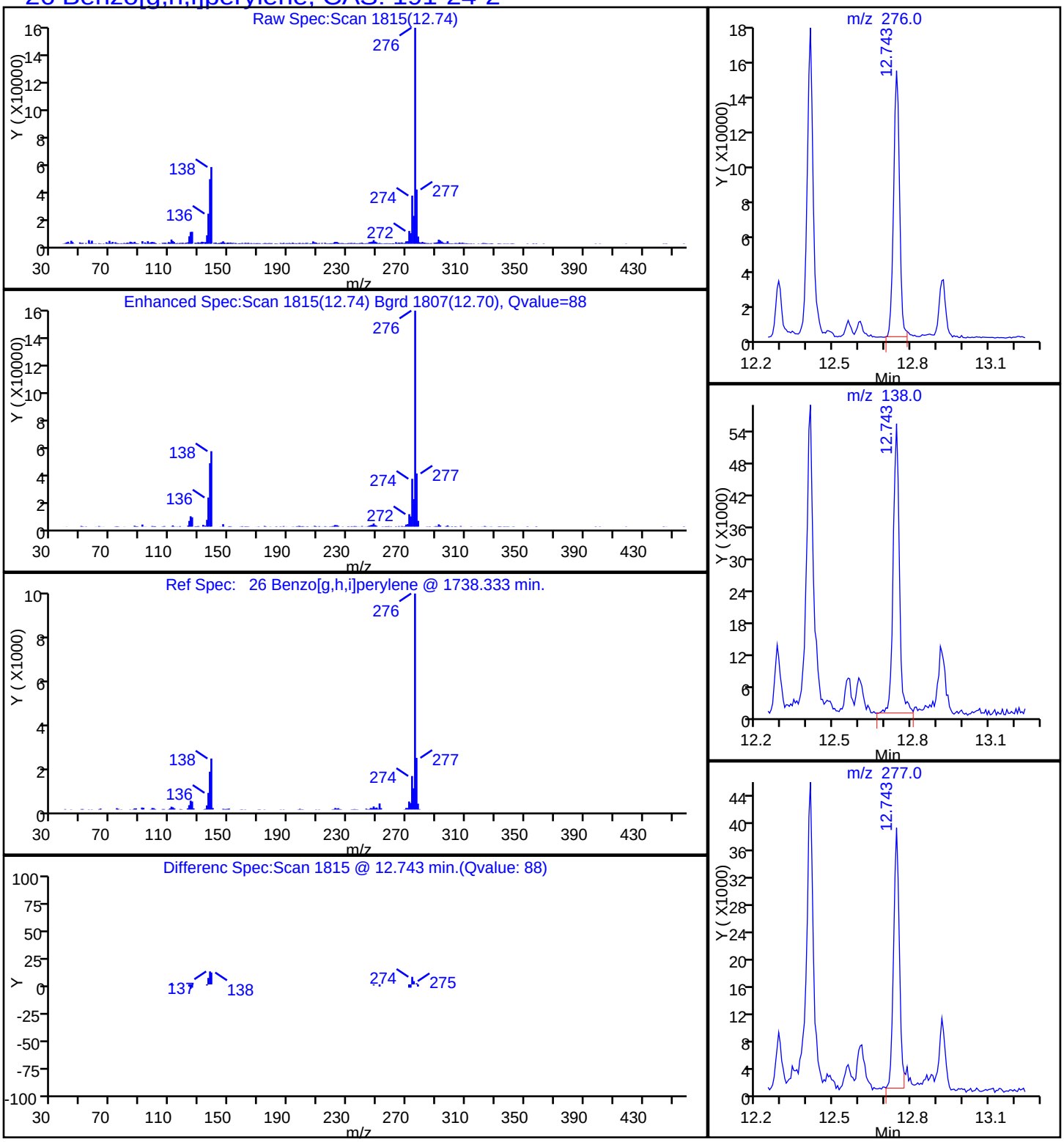
Lims ID:	680-104968-A-11-A	Lab Sample ID:	680-104968-11		
Client ID:	CV0755B-CS6				
Operator ID:	RM	ALS Bottle#:	21	Worklist Smp#:	21
Injection Vol:	2.0 ul	Dil. Factor:	20.0000		
Method:	8270_LLPAH_CMSK	Limit Group:	8270D_LL_PAH		
Column:	Restek RXi-5Sil MS (0.25 mm)	Detector	MS SCAN		

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

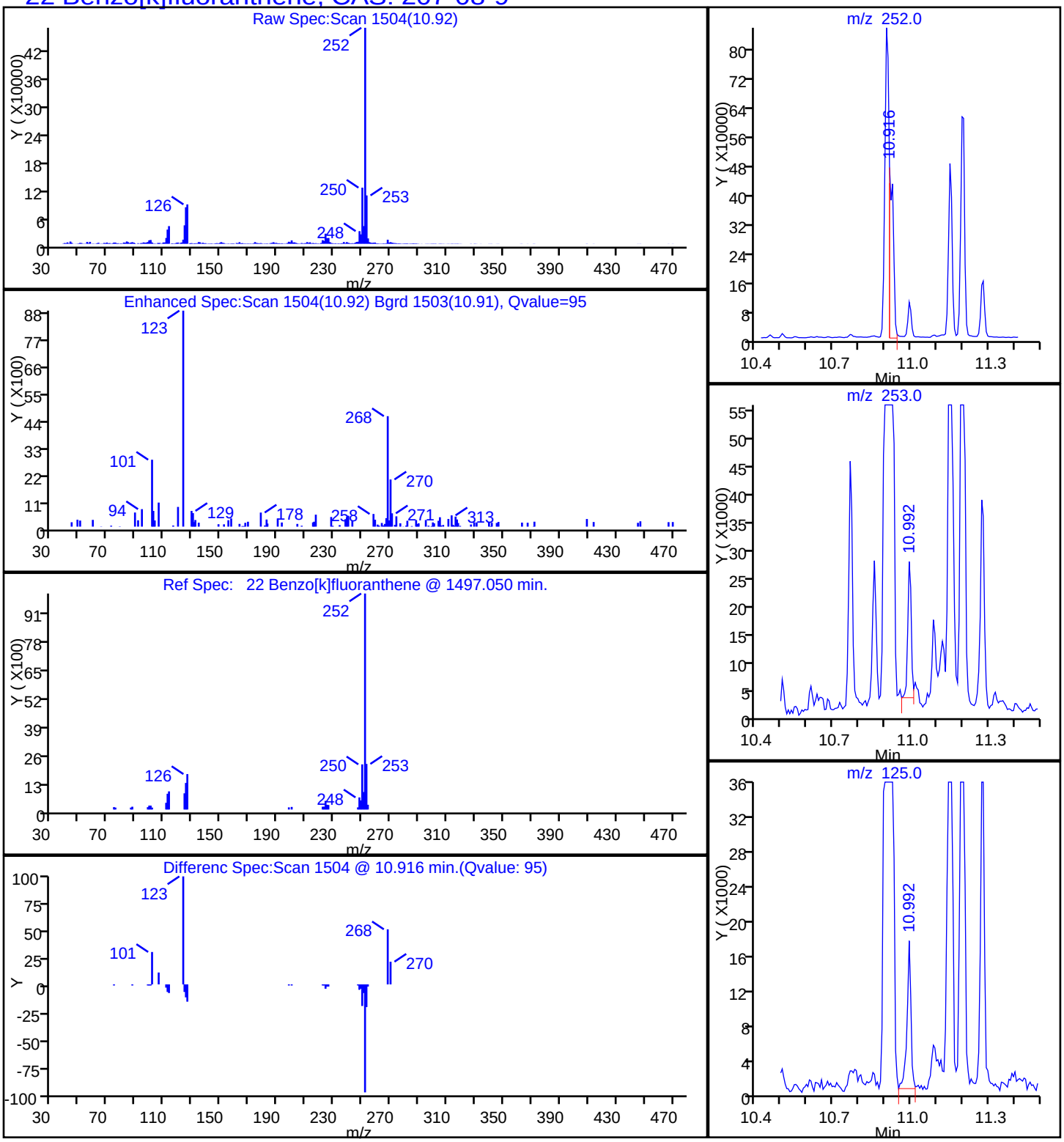


Report Date: 16-Sep-2014 10:14:56 Chrom Revision: 2.2 18-Aug-2014 12:17:36

TestAmerica Savannah

Data File:	\\SAVCHROM\ChromData\CMSK\20140909-12643.b\1KI0921.D				
Injection Date:	09-Sep-2014 17:12:30	Instrument ID:	CMSK		
Lims ID:	680-104968-A-11-A	Lab Sample ID:	680-104968-11		
Client ID:	CV0755B-CS6				
Operator ID:	RM	ALS Bottle#:	21	Worklist Smp#:	21
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



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TestAmerica Savannah

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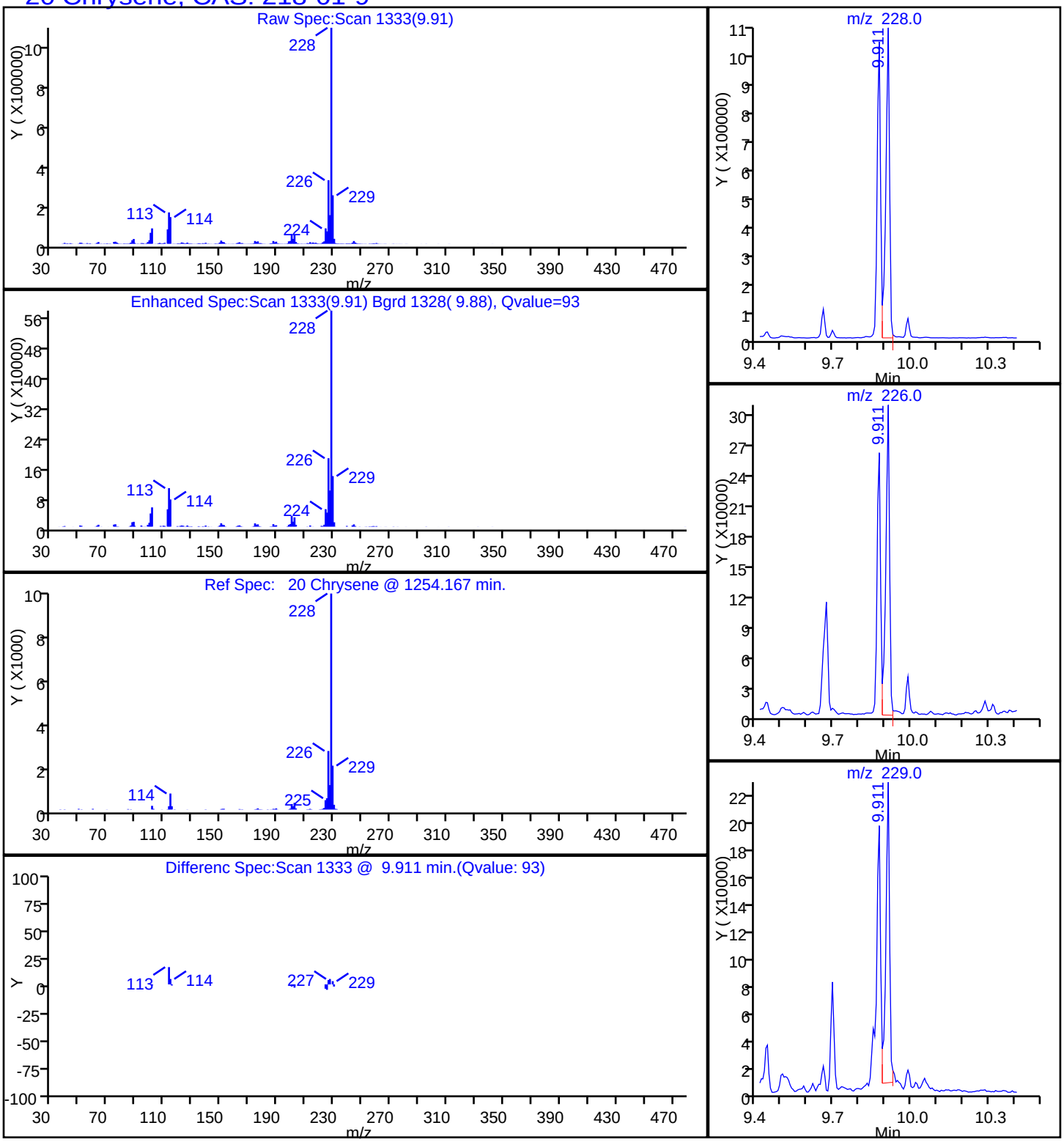
Client ID:	CV0755B-CS6				
Operator ID:	RM	ALS Bottle#:	21	Worklist Smp#:	21
Injection Vol:	2.0 ul	Dil. Factor:	20.0000		
Method:	8270_LLPAH_CMSK	Limit Group:	8270D_LL_PAH		
Column:	Restek RXi-5Sil MS (0.25 mm)	Detector	MS SCAN		

20 Chrysene, CAS: 218-01-9



Report Date: 16-Sep-2014 10:14:56 Chrom Revision: 2.2 18-Aug-2014 12:17:36

TestAmerica Savannah

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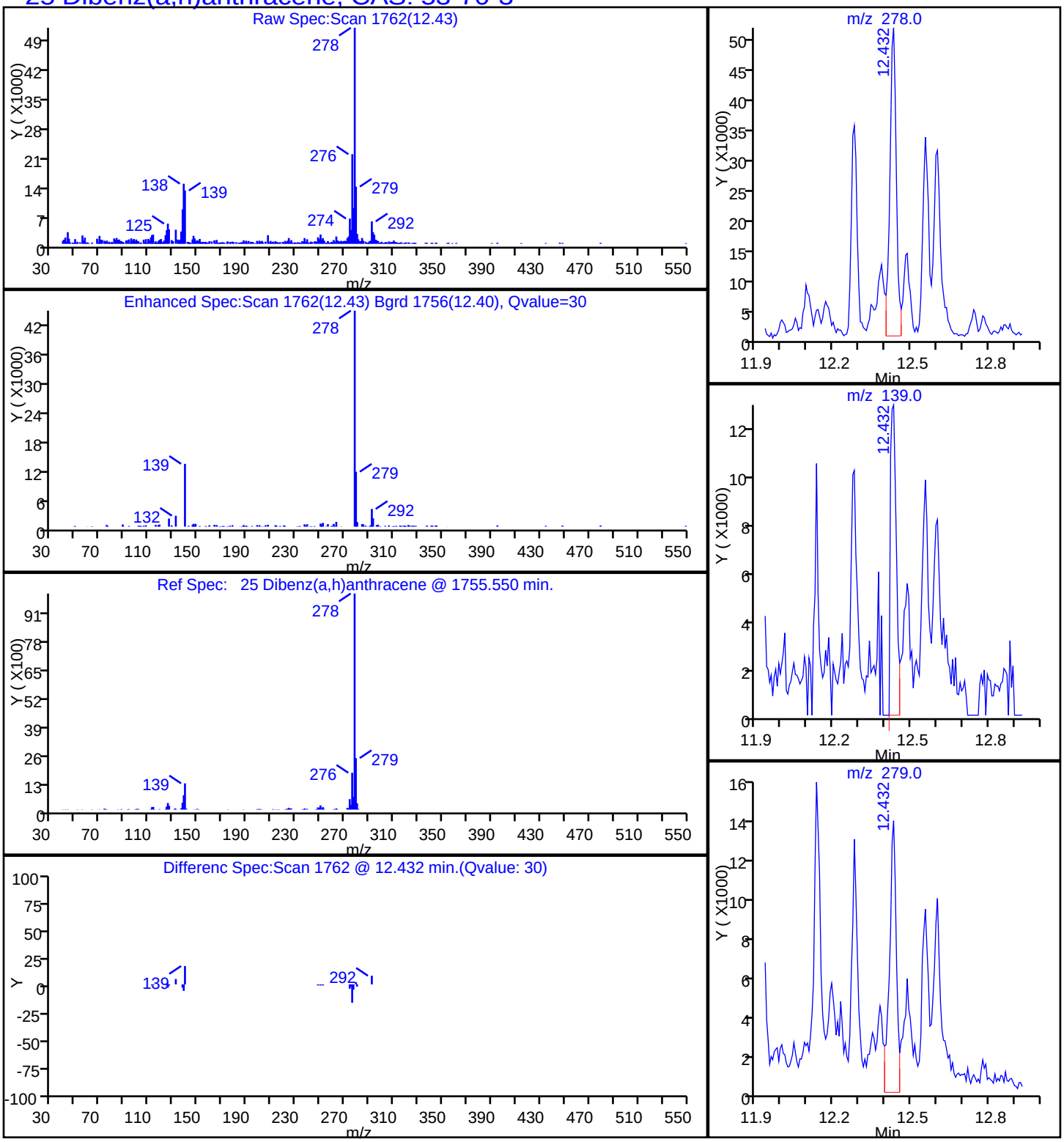
Injection Date:	09-Sep-2014 17:12:30	Instrument ID:	CMSK		
Lims ID:	680-104968-A-11-A	Lab Sample ID:	680-104968-11		
Client ID:	CV0755B-CS6				
Operator ID:	RM	ALS Bottle#:	21	Worklist Smp#:	21
Injection Vol:	2.0 ul	Dil. Factor:	20.0000		
Method:	8270_LLPAH_CMSK	Limit Group:	8270D_LL_PAH		
Column:	Restek RXi-5Sil MS (0.25 mm)	Detector	MS SCAN		

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



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TestAmerica Savannah

Data File:	\\SAVCHROM\ChromData\CMSK\20140909-12643.b\1KI0921.D				
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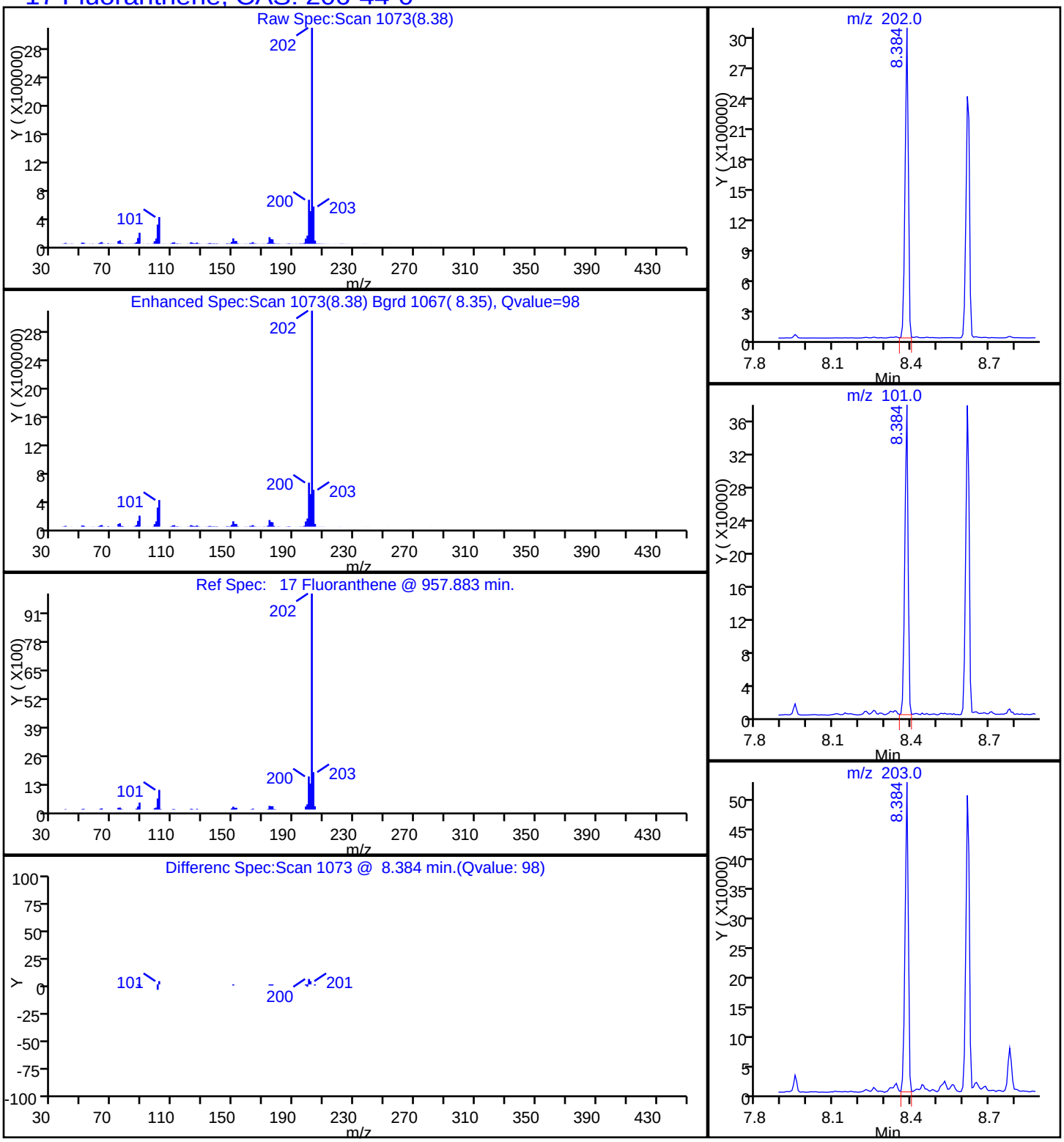
Client ID:	CV0755B-CS6				
Operator ID:	RM	ALS Bottle#:	21	Worklist Smp#:	21
Injection Vol:	2.0 ul	Dil. Factor:	20.0000		
Method:	8270_LLPAH_CMSK	Limit Group:	8270D_LL_PAH		
Column:	Restek RXi-5Sil MS (0.25 mm)	Detector	MS SCAN		

17 Fluoranthene, CAS: 206-44-0



Report Date: 16-Sep-2014 10:14:56 Chrom Revision: 2.2 18-Aug-2014 12:17:36

TestAmerica Savannah

Data File:	\\SAVCHROM\ChromData\CMSK\20140909-12643.b\1KI0921.D				
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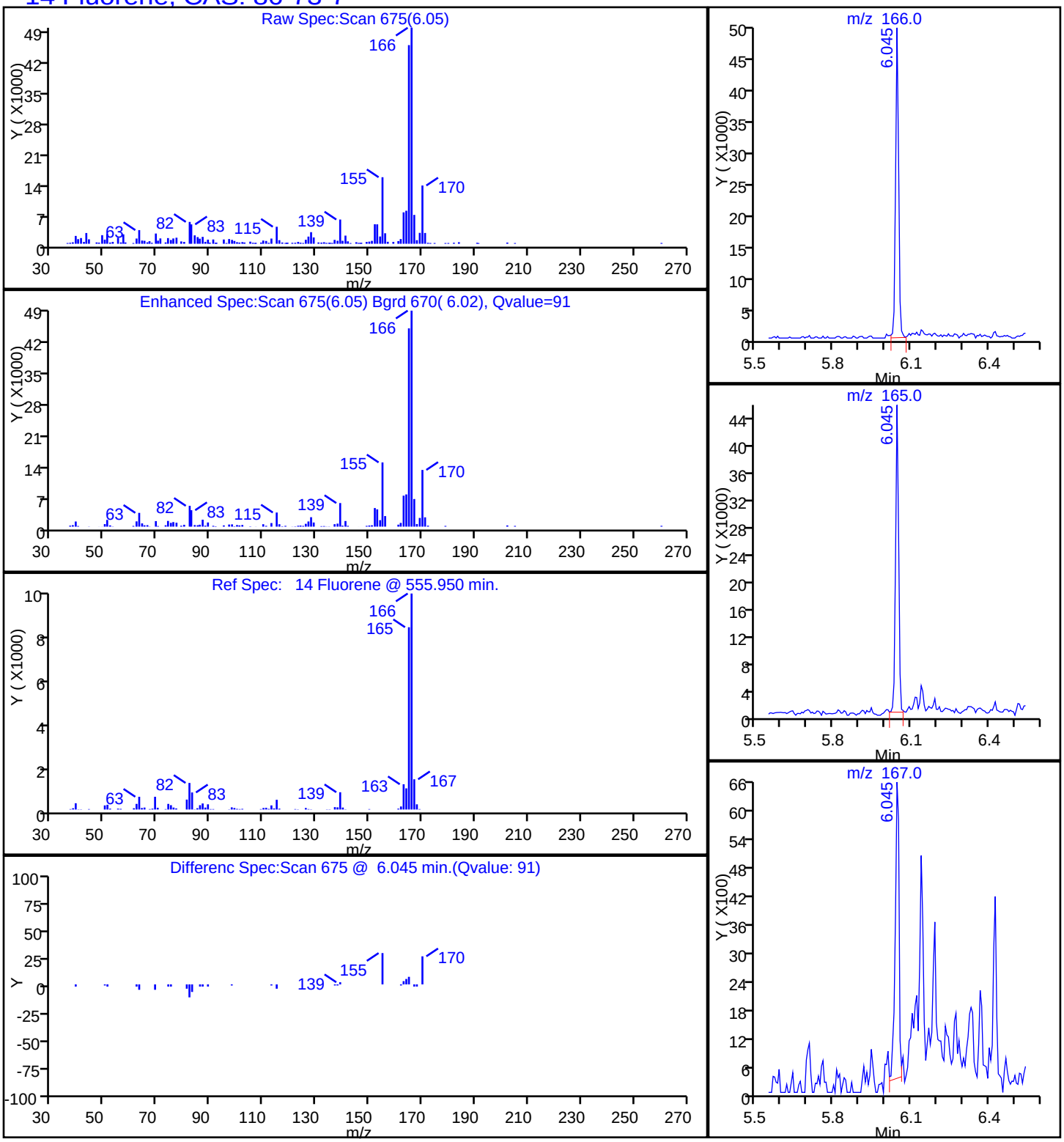
Lims ID:	680-104968-A-11-A	Lab Sample ID:	680-104968-11		
Client ID:	CV0755B-CS6				
Operator ID:	RM	ALS Bottle#:	21	Worklist Smp#:	21
Injection Vol:	2.0 ul	Dil. Factor:	20.0000		
Method:	8270_LLPAH_CMSK	Limit Group:	8270D_LL_PAH		
Column:	Restek RXi-5Sil MS (0.25 mm)	Detector	MS SCAN		

14 Fluorene, CAS: 86-73-7



Report Date: 16-Sep-2014 10:14:56 Chrom Revision: 2.2 18-Aug-2014 12:17:36

TestAmerica Savannah

Data File:	\\SAVCHROM\ChromData\CMSK\20140909-12643.b\1KI0921.D				
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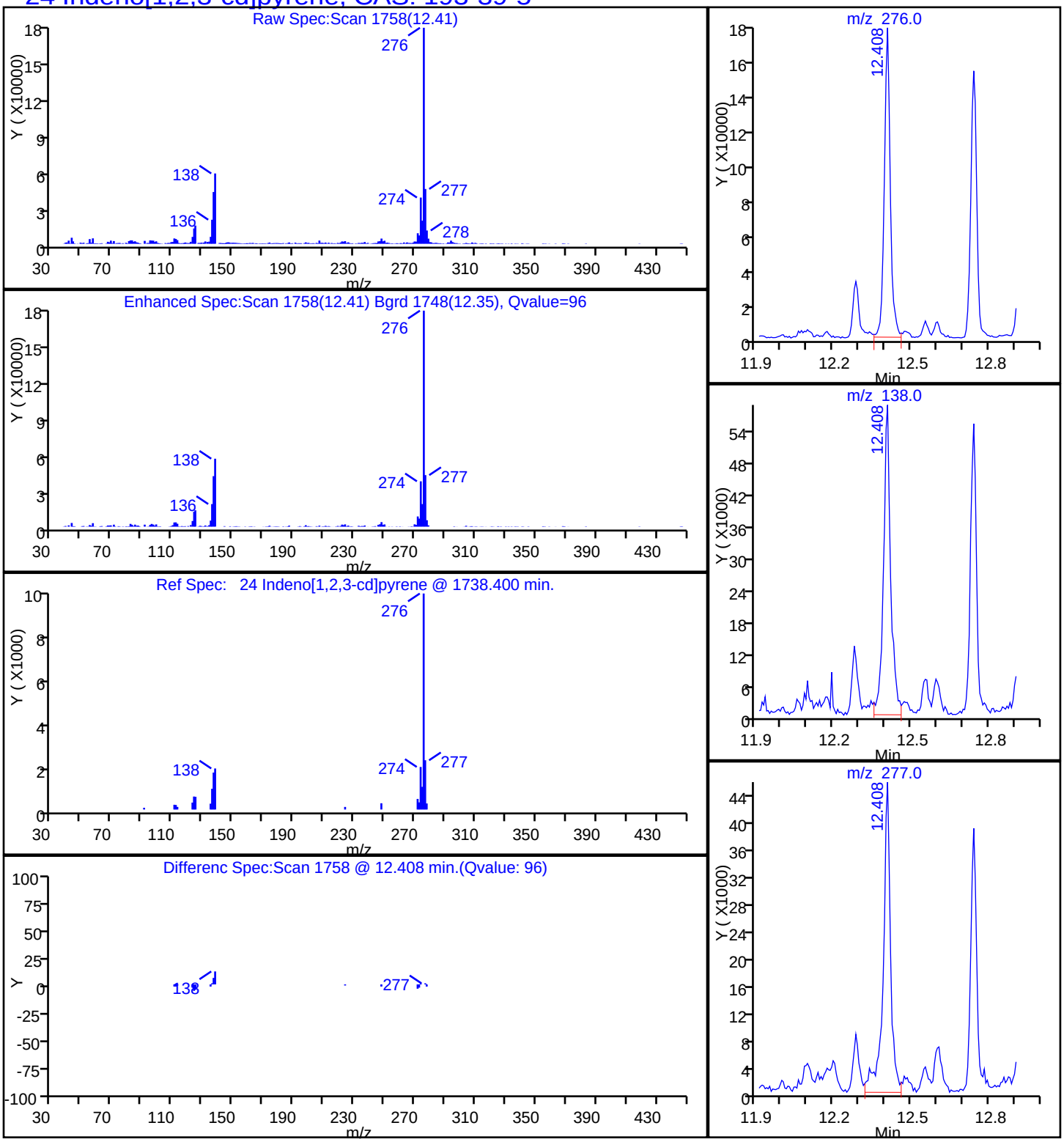
Lims ID:	680-104968-A-11-A	Lab Sample ID:	680-104968-11		
Client ID:	CV0755B-CS6				
Operator ID:	RM	ALS Bottle#:	21	Worklist Smp#:	21
Injection Vol:	2.0 ul	Dil. Factor:	20.0000		
Method:	8270_LLPAH_CMSK	Limit Group:	8270D_LL_PAH		
Column:	Restek RXi-5Sil MS (0.25 mm)	Detector	MS SCAN		

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



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TestAmerica Savannah

Data File:	\\SAVCHROM\ChromData\CMSK\20140909-12643.b\1KI0921.D				
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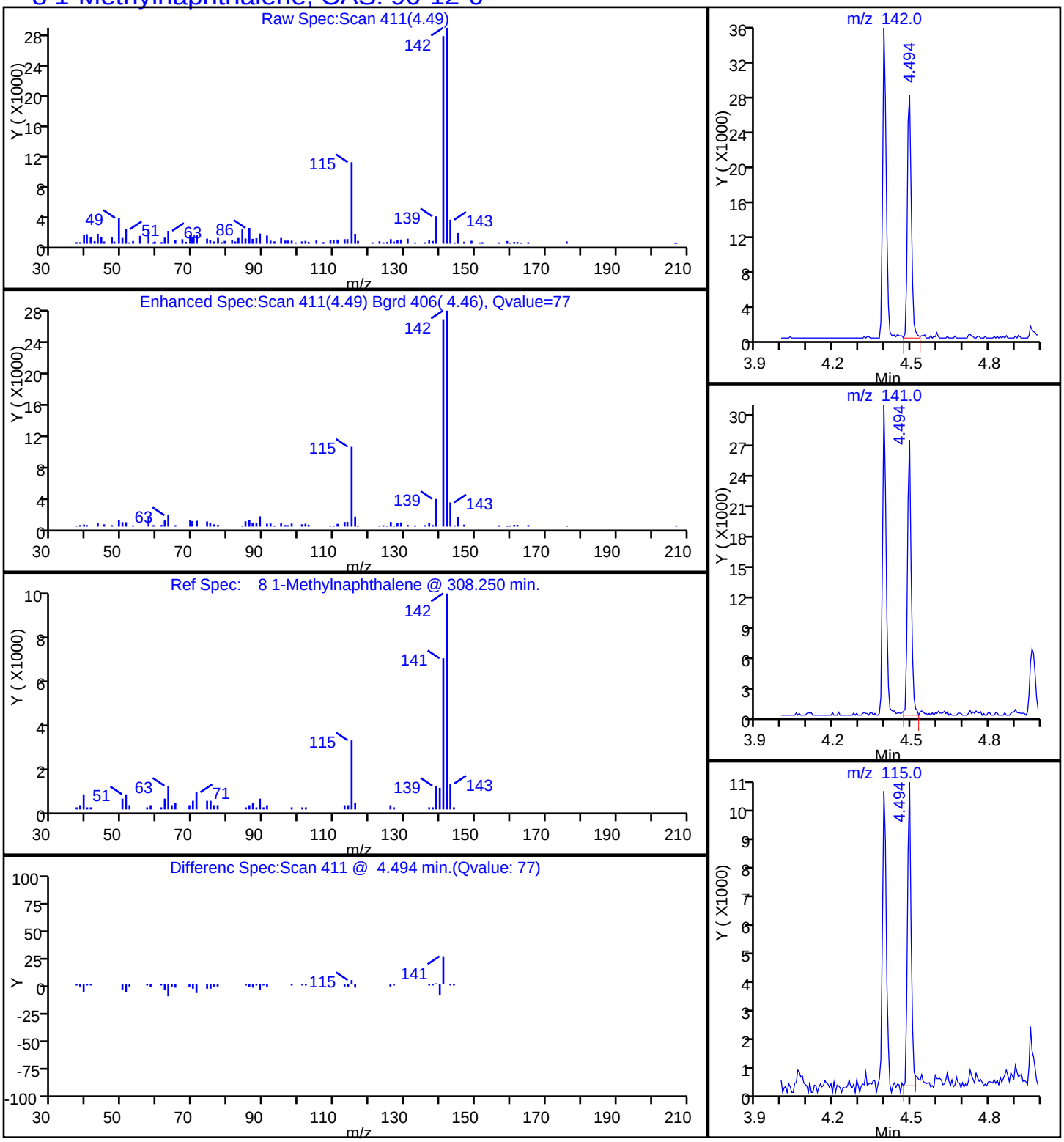
Lims ID:	680-104968-A-11-A	Lab Sample ID:	680-104968-11		
Client ID:	CV0755B-CS6				
Operator ID:	RM	ALS Bottle#:	21	Worklist Smp#:	21
Injection Vol:	2.0 ul	Dil. Factor:	20.0000		
Method:	8270_LLPAH_CMSK	Limit Group:	8270D_LL_PAH		
Column:	Restek RXi-5Sil MS (0.25 mm)	Detector	MS SCAN		

8 1-Methylnaphthalene, CAS: 90-12-0

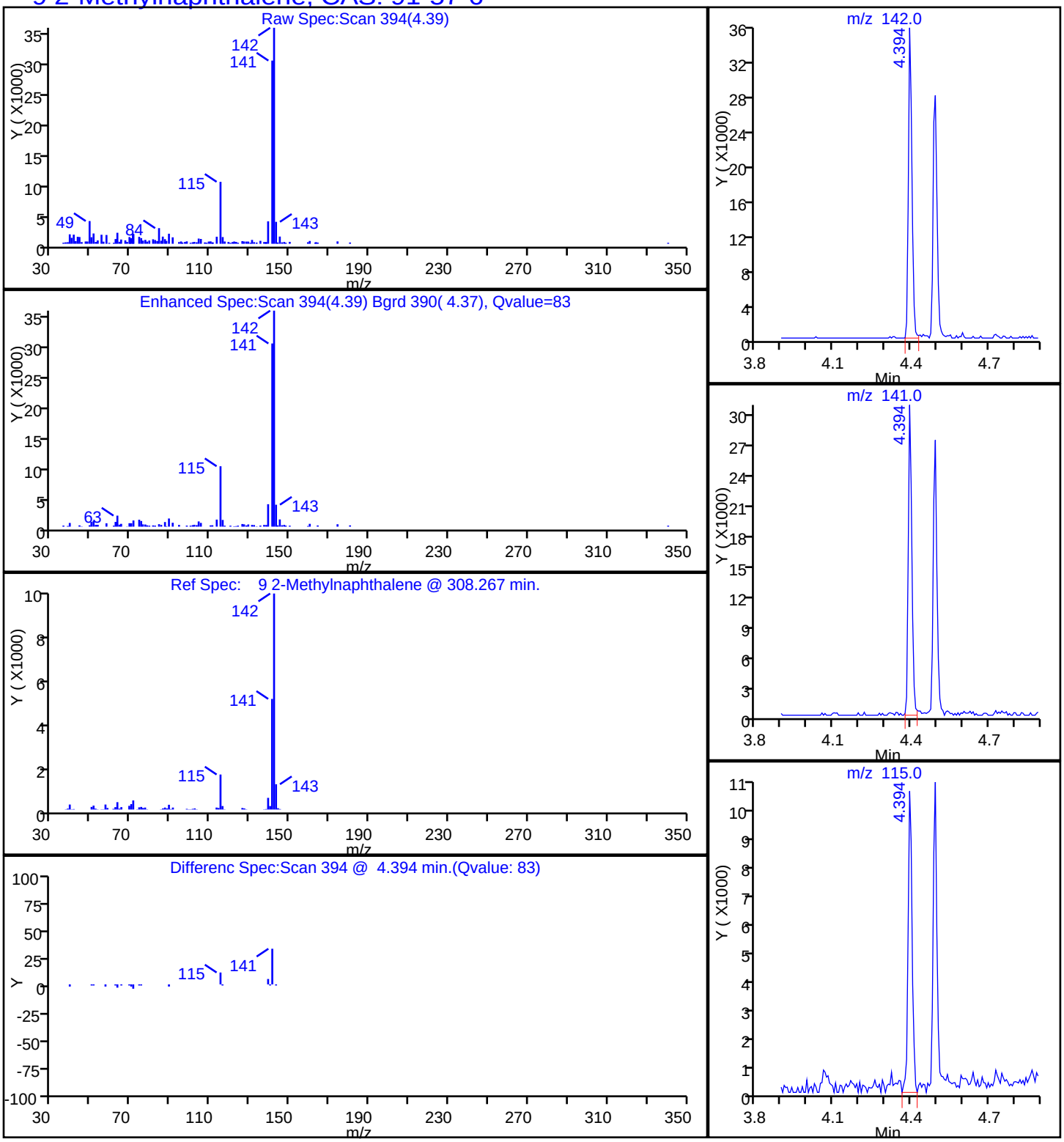


Report Date: 16-Sep-2014 10:14:56 Chrom Revision: 2.2 18-Aug-2014 12:17:36

TestAmerica Savannah

Data File:	\\SAVCHROM\ChromData\CMSK\20140909-12643.b\1KI0921.D				
Injection Date:	09-Sep-2014 17:12:30	Instrument ID:	CMSK		
Lims ID:	680-104968-A-11-A	Lab Sample ID:	680-104968-11		
Client ID:	CV0755B-CS6				
Operator ID:	RM	ALS Bottle#:	21	Worklist Smp#:	21
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: 16-Sep-2014 10:14:56 Chrom Revision: 2.2 18-Aug-2014 12:17:36

TestAmerica Savannah

Data File:	\\SAVCHROM\ChromData\CMSK\20140909-12643.b\1KI0921.D				
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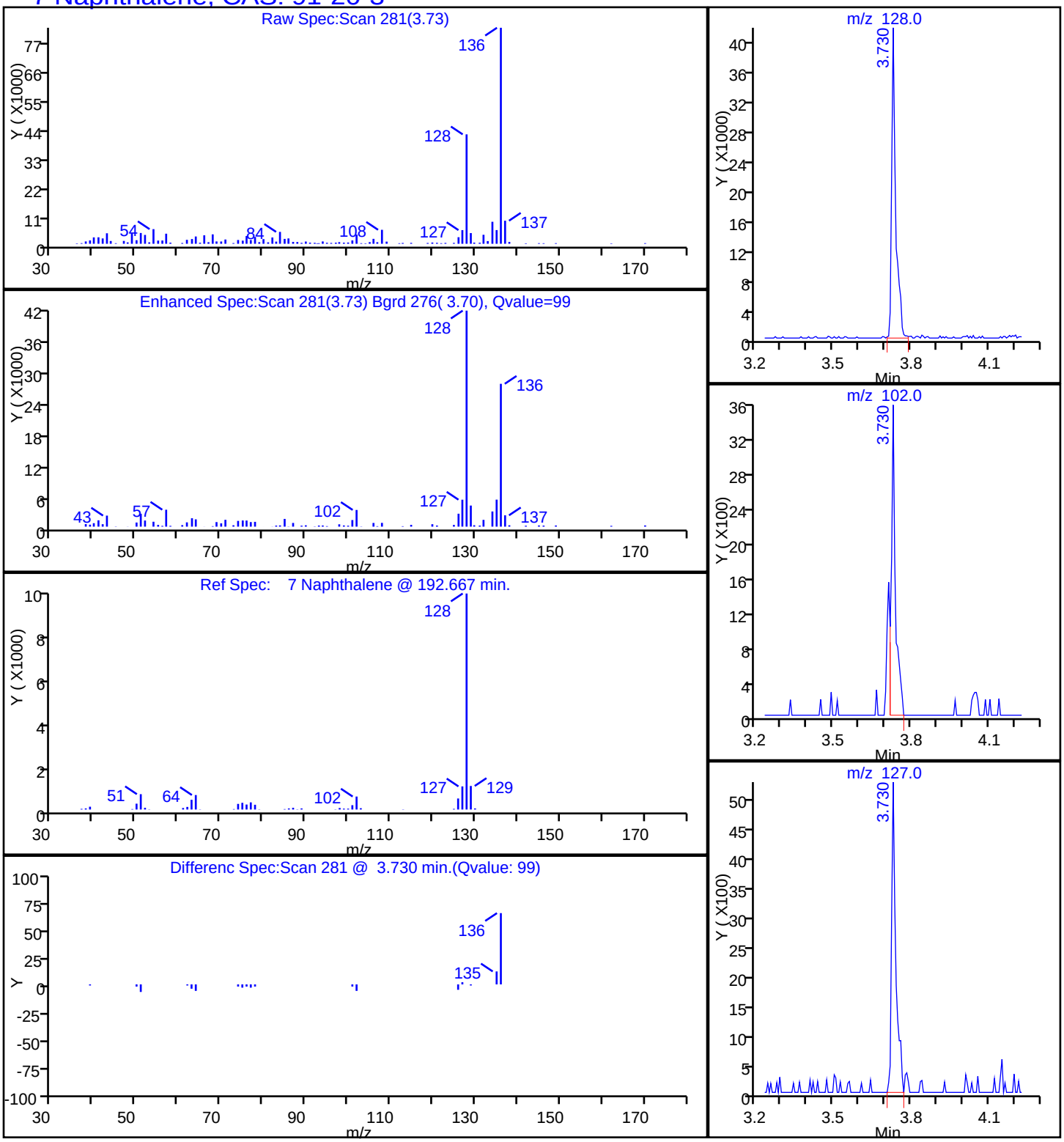
Lims ID:	680-104968-A-11-A	Lab Sample ID:	680-104968-11		
Client ID:	CV0755B-CS6				
Operator ID:	RM	ALS Bottle#:	21	Worklist Smp#:	21
Injection Vol:	2.0 ul	Dil. Factor:	20.0000		
Method:	8270_LLPAH_CMSK	Limit Group:	8270D_LL_PAH		
Column:	Restek RXi-5Sil MS (0.25 mm)	Detector	MS SCAN		

7 Naphthalene, CAS: 91-20-3

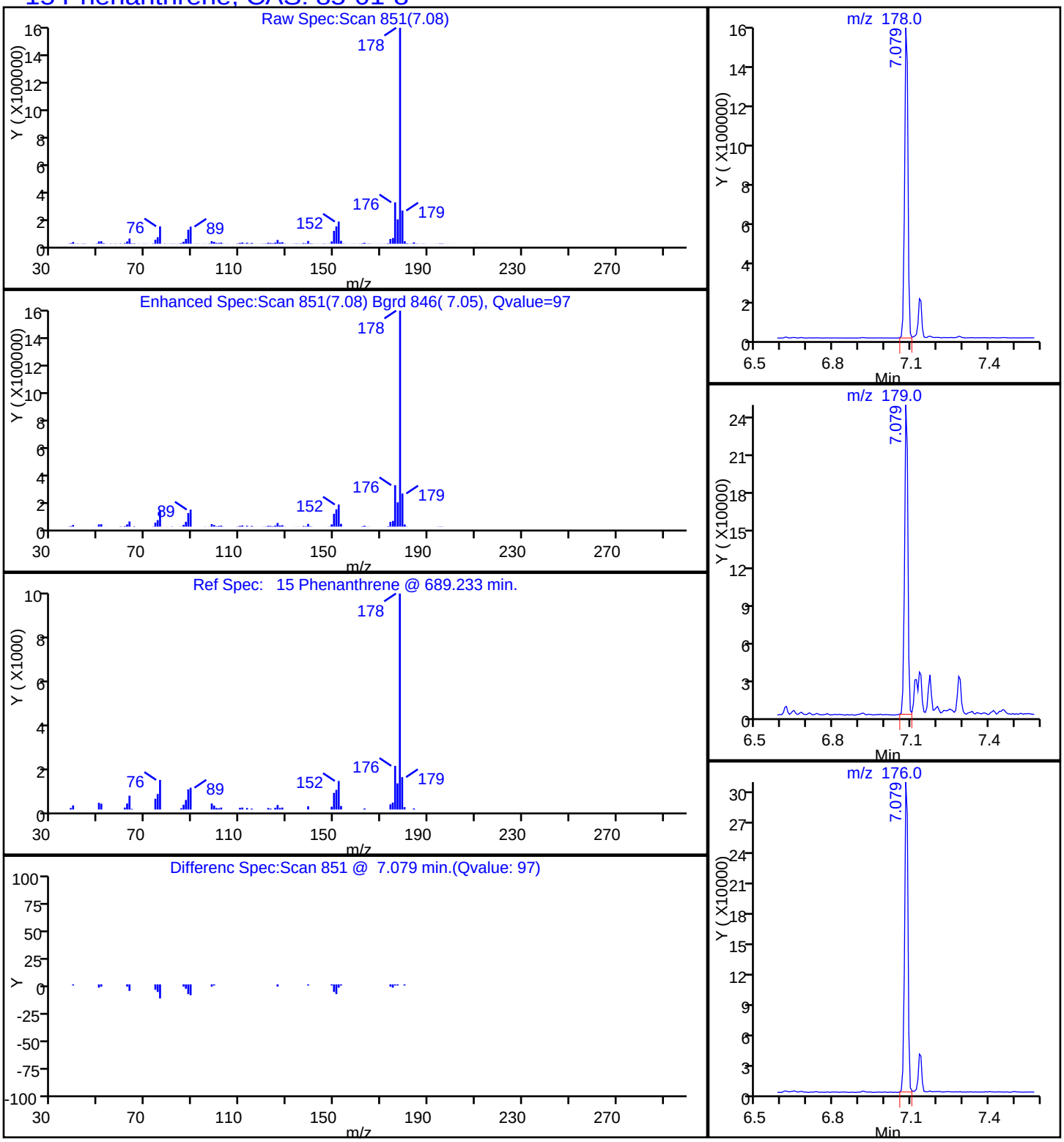


Report Date: 16-Sep-2014 10:14:56 Chrom Revision: 2.2 18-Aug-2014 12:17:36

TestAmerica Savannah

Data File:	\\SAVCHROM\ChromData\CMSK\20140909-12643.b\1KI0921.D				
Injection Date:	09-Sep-2014 17:12:30	Instrument ID:	CMSK		
Lims ID:	680-104968-A-11-A	Lab Sample ID:	680-104968-11		
Client ID:	CV0755B-CS6				
Operator ID:	RM	ALS Bottle#:	21	Worklist Smp#:	21
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



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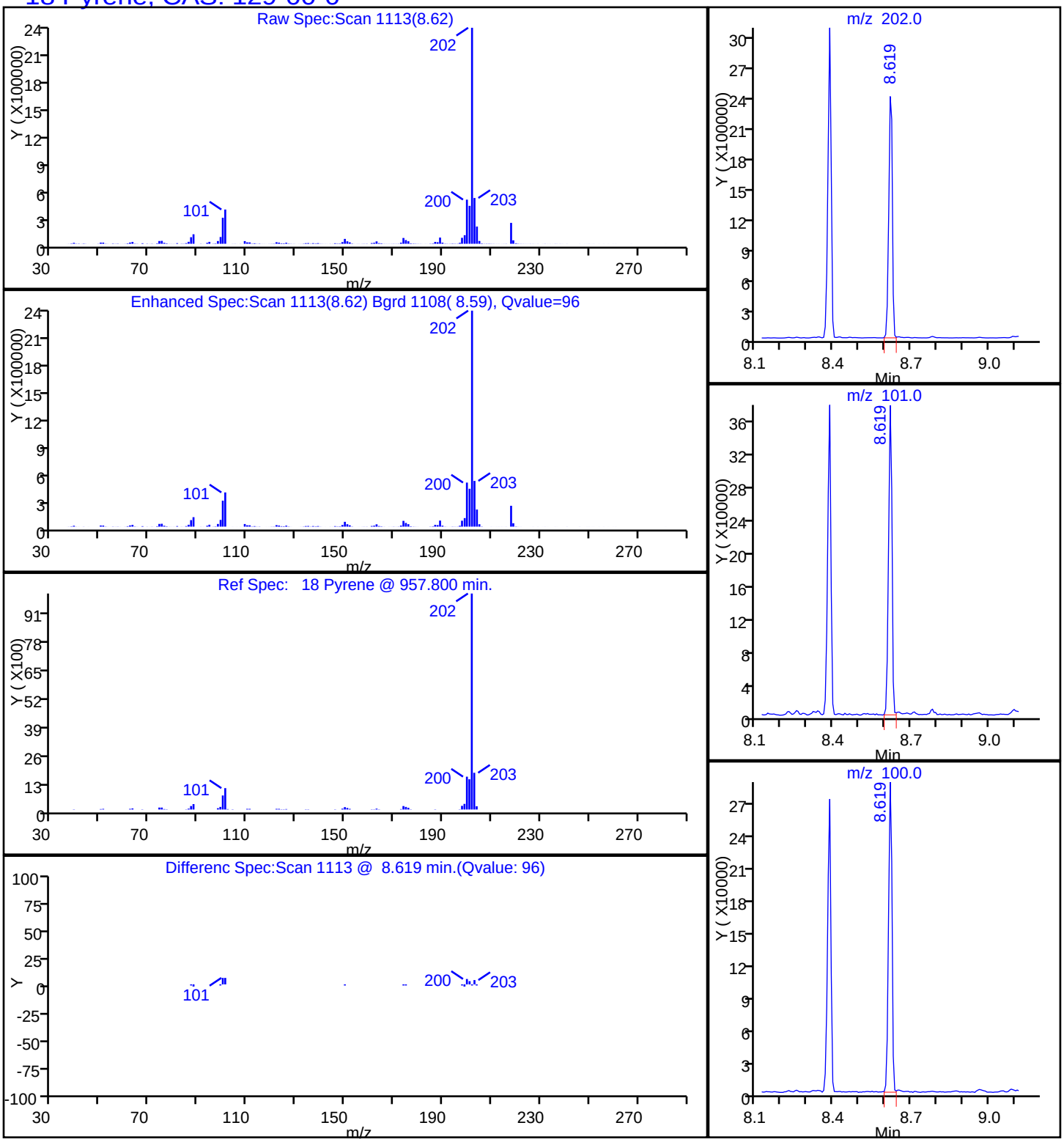
TestAmerica Savannah

Data File:	\\SAVCHROM\ChromData\CMSK\20140909-12643.b\1KI0921.D				
Injection Date:	09-Sep-2014 17:12:30	Instrument ID:	CMSK		
Lims ID:	680-104968-A-11-A	Lab Sample ID:	680-104968-11		
Client ID:	CV0755B-CS6				
Operator ID:	RM	ALS Bottle#:	21	Worklist Smp#:	21
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

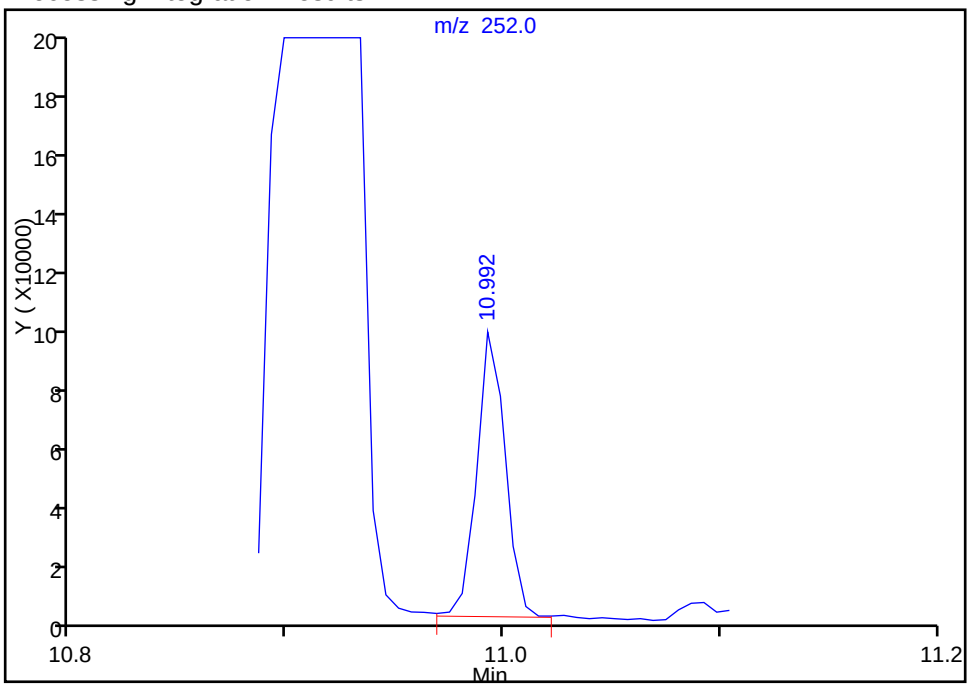
TestAmerica Savannah

Data File:	\\SAVCHROM\ChromData\CMSK\20140909-12643.b\1KI0921.D				
Injection Date:	09-Sep-2014 17:12:30	Instrument ID:	CMSK		
Lims ID:	680-104968-A-11-A	Lab Sample ID:	680-104968-11		
Client ID:	CV0755B-CS6				
Operator ID:	RM	ALS Bottle#:	21	Worklist Smp#:	21
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

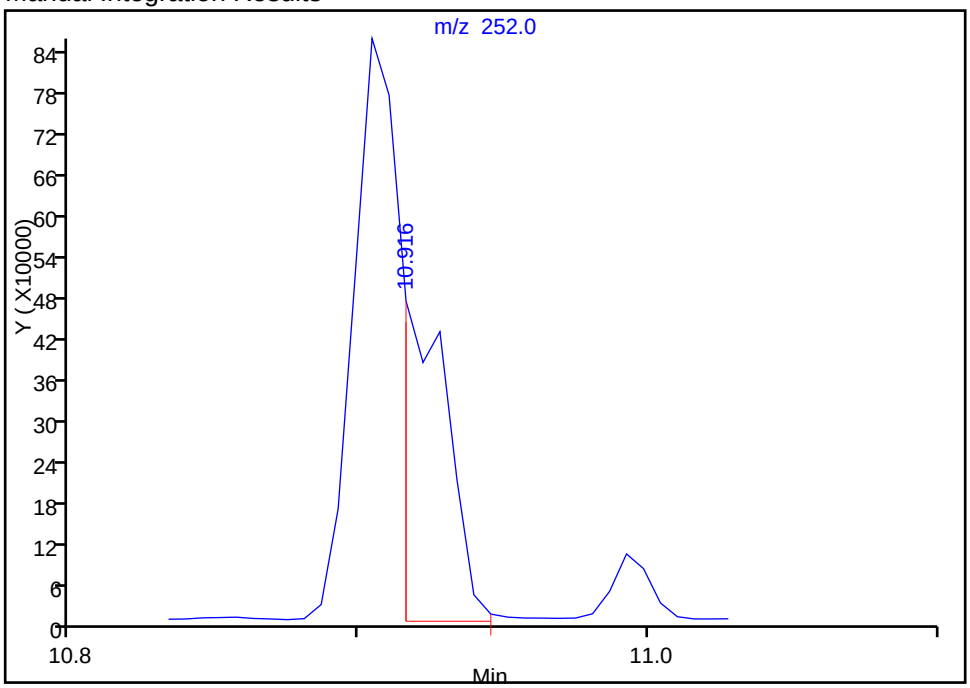
Processing Integration Results

RT: 10.99
Response: 87300
Amount: 0.692810



Manual Integration Results

RT: 10.92
Response: 538518
Amount: 4.273662



Reviewer: webbk, 10-Sep-2014 10:10:44
Audit Action: Manually Integrated
Audit Reason: Split Peak

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Savannah
Job No.: 680-104968-1
SDG No.: 680-104968-01
Client Sample ID: CV0755B-CS12
Lab Sample ID: 680-104968-12
Matrix: Solid
Lab File ID: 1KI0922.D
Analysis Method: 8270D_LL_PAH
Date Collected: 09/04/2014 09:50
Extract. Method: 3546
Date Extracted: 09/06/2014 12:38
Sample wt/vol: 30.01(g)
Date Analyzed: 09/09/2014 17:36
Con. Extract Vol.: 1(mL)
Dilution Factor: 20
Injection Volume: 2(uL)
Level: (low/med) Low
% Moisture: 8.1
GPC Cleanup:(Y/N) N
Analysis Batch No.: 347967
Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
83-32-9	Acenaphthene	150	U	150	72
208-96-8	Acenaphthylene	150	U	150	72
120-12-7	Anthracene	150	U	150	72
56-55-3	Benzo[a]anthracene	150	U	150	72
50-32-8	Benzo[a]pyrene	48	J	150	26
205-99-2	Benzo[b]fluoranthene	150	U	150	72
191-24-2	Benzo[g,h,i]perylene	150	U	150	72
207-08-9	Benzo[k]fluoranthene	150	U	150	44
218-01-9	Chrysene	73	J	150	72
53-70-3	Dibenz(a,h)anthracene	150	U	150	72
206-44-0	Fluoranthene	150	U	150	72
86-73-7	Fluorene	150	U	150	72
193-39-5	Indeno[1,2,3-cd]pyrene	150	U	150	72
90-12-0	1-Methylnaphthalene	150	U	150	67
91-57-6	2-Methylnaphthalene	150	U	150	72
91-20-3	Naphthalene	150	U	150	72
85-01-8	Phenanthrene	74	J	150	52
129-00-0	Pyrene	150	U	150	72

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

Report Date: 16-Sep-2014 10:15:20 Chrom Revision: 2.2 18-Aug-2014 12:17:36

TestAmerica Savannah
Target Compound Quantitation Report

Data File:	\\SAVCHROM\ChromData\CMSK\20140909-12643.b\1KI0922.D				
Lims ID:	680-104968-A-12-A	Lab Sample ID:	680-104968-12		
Client ID:	CV0755B-CS12				
Sample Type:	Client				
Inject. Date:	09-Sep-2014 17:36:30	ALS Bottle#:	22	Worklist Smp#:	22
Injection Vol:	2.0 ul	Dil. Factor:	20.0000		
Sample Info:	680-104968-A-12-A				
Misc. Info.:	680-0012643-022				
Operator ID:	RM	Instrument ID:	CMSK		
Method:	\\SAVCHROM\ChromData\CMSK\20140909-12643.b\8270_LLPAH_CMSK.m				
Limit Group:	8270D_LL_PAH				
Last Update:	16-Sep-2014 10:14:55	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:	XAWRK035				

First Level Reviewer: webbk Date: 10-Sep-2014 10:25:03

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/ml	Flags
* 1 Naphthalene-d8	136	3.713	3.713	0.000	98	526483	2.00	
* 2 Acenaphthene-d10	164	5.464	5.464	0.000	88	261978	2.00	
* 3 Phenanthrene-d10	188	7.056	7.056	0.000	98	357312	2.00	
* 4 Chrysene-d12	240	9.882	9.882	0.000	97	252462	2.00	
* 5 Perylene-d12	264	11.257	11.239	0.018	97	194406	2.00	
9 2-Methylnaphthalene	142	4.394	4.394	0.000	74	10698	0.0665	
8 1-Methylnaphthalene	142	4.494	4.494	0.000	73	12169	0.0807	
15 Phenanthrene	178	7.079	7.079	0.000	41	20907	0.1018	
16 Anthracene	178	7.132	7.132	0.000	41	2330	0.0124	7
17 Fluoranthene	202	8.378	8.378	0.000	92	14235	0.0764	
18 Pyrene	202	8.613	8.613	0.000	94	15077	0.0772	
19 Benzo[a]anthracene	228	9.870	9.870	0.000	43	7869	0.0597	7
20 Chrysene	228	9.905	9.906	-0.001	66	12789	0.1009	
21 Benzo[b]fluoranthene	252	10.904	10.893	0.011	88	9073	0.0767	M
22 Benzo[k]fluoranthene	252	10.916	10.916	0.000	89	4030	0.0338	7M
23 Benzo[a]pyrene	252	11.198	11.186	0.012	90	7019	0.0668	
26 Benzo[g,h,i]perylene	276	12.737	12.726	0.011	74	9582	0.0903	

QC Flag Legend

Processing Flags
7 - Failed Limit of Detection
Review Flags
M - Manually Integrated

Reagents:

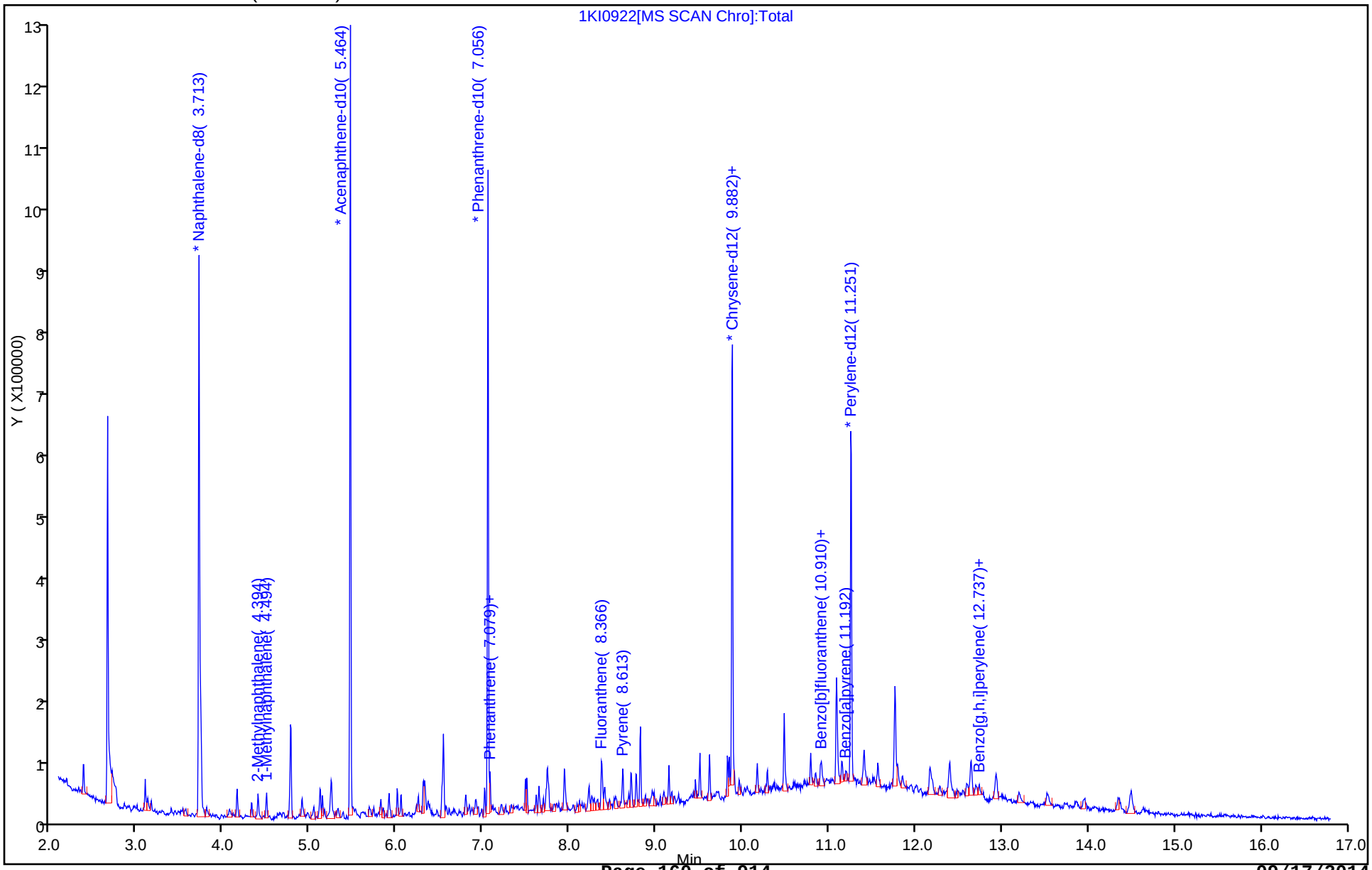
SM-LLISTD_00106 Amount Added: 10.00 Units: uL Run Reagent

Report Date: 16-Sep-2014 10:15:20 Chrom Revision: 2.2 18-Aug-2014 12:17:36

TestAmerica Savannah

Data File:	\\SAVCHROM\ChromData\CMSK\20140909-12643.b\1KI0922.D				
Injection Date:	09-Sep-2014 17:36:30	Instrument ID:	CMSK	Operator ID:	RM
Lims ID:	680-104968-A-12-A	Lab Sample ID:	680-104968-12	Worklist Smp#:	22
Client ID:	CV0755B-CS12				
Injection Vol:	2.0 ul	Dil. Factor:	20.0000	ALS Bottle#:	22
Method:	8270_LLPAH_CMSK	Limit Group:	8270D_LL_PAH		

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

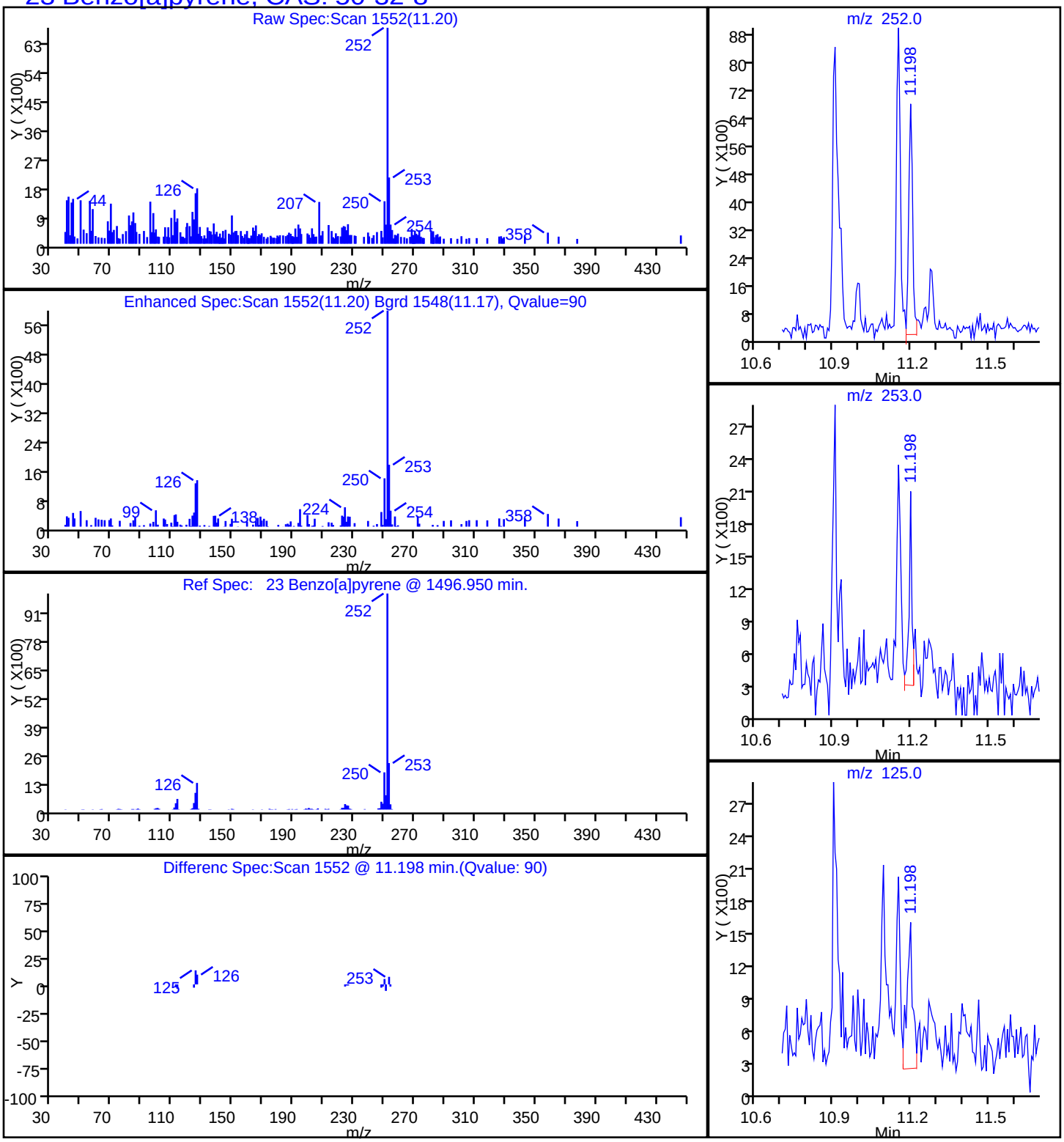


Report Date: 16-Sep-2014 10:15:20 Chrom Revision: 2.2 18-Aug-2014 12:17:36

TestAmerica Savannah

Data File:	\\SAVCHROM\ChromData\CMSK\20140909-12643.b\1KI0922.D				
Injection Date:	09-Sep-2014 17:36:30	Instrument ID:	CMSK		
Lims ID:	680-104968-A-12-A	Lab Sample ID:	680-104968-12		
Client ID:	CV0755B-CS12				
Operator ID:	RM	ALS Bottle#:	22	Worklist Smp#:	22
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

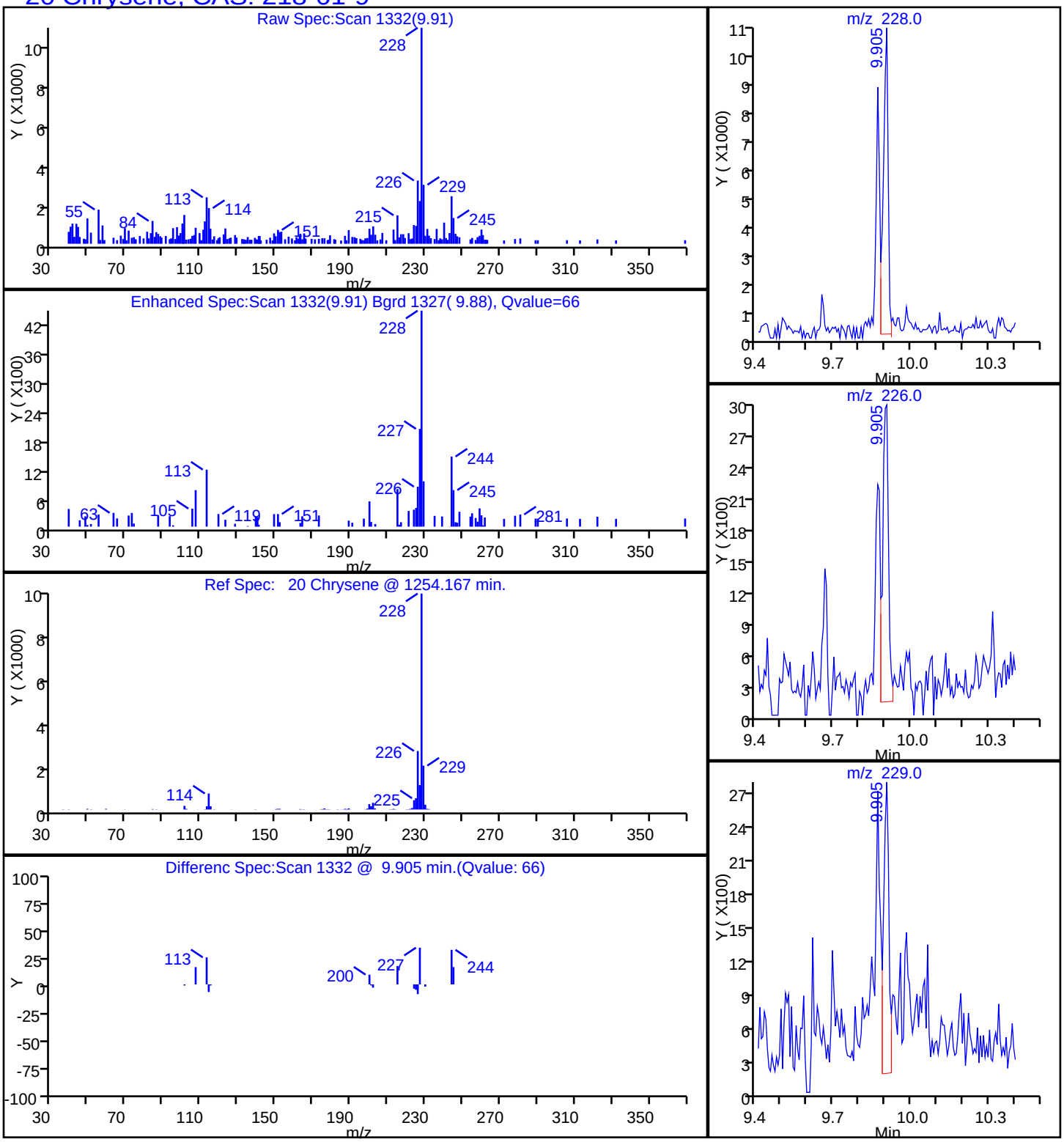


Report Date: 16-Sep-2014 10:15:20 Chrom Revision: 2.2 18-Aug-2014 12:17:36

TestAmerica Savannah

Data File:	\\SAVCHROM\ChromData\CMSK\20140909-12643.b\1KI0922.D				
Injection Date:	09-Sep-2014 17:36:30	Instrument ID:	CMSK		
Lims ID:	680-104968-A-12-A	Lab Sample ID:	680-104968-12		
Client ID:	CV0755B-CS12				
Operator ID:	RM	ALS Bottle#:	22	Worklist Smp#:	22
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

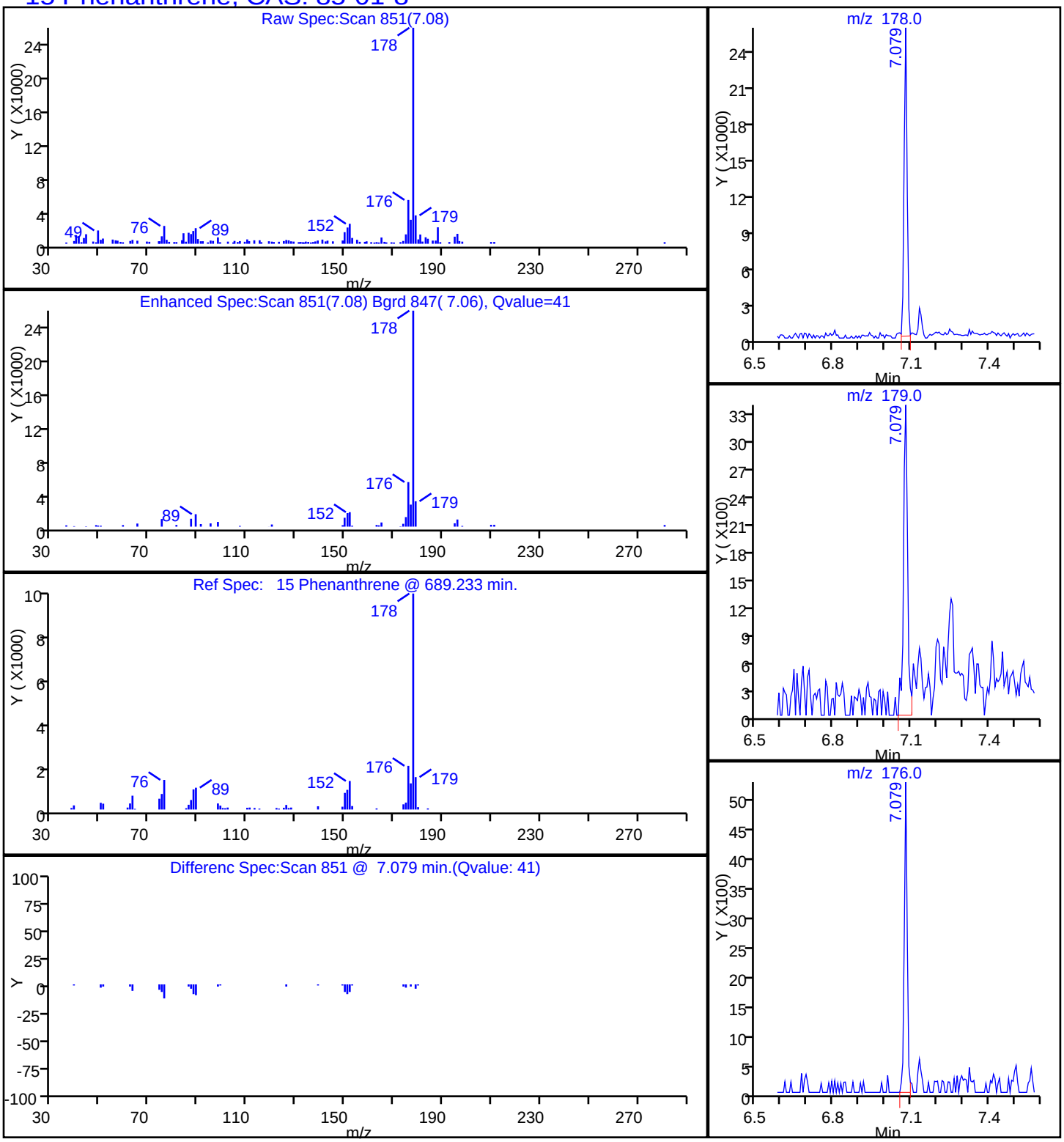


Report Date: 16-Sep-2014 10:15:20 Chrom Revision: 2.2 18-Aug-2014 12:17:36

TestAmerica Savannah

Data File:	\\SAVCHROM\ChromData\CMSK\20140909-12643.b\1KI0922.D				
Injection Date:	09-Sep-2014 17:36:30	Instrument ID:	CMSK		
Lims ID:	680-104968-A-12-A	Lab Sample ID:	680-104968-12		
Client ID:	CV0755B-CS12				
Operator ID:	RM	ALS Bottle#:	22	Worklist Smp#:	22
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



Manual Integration/User Assign Peak Report

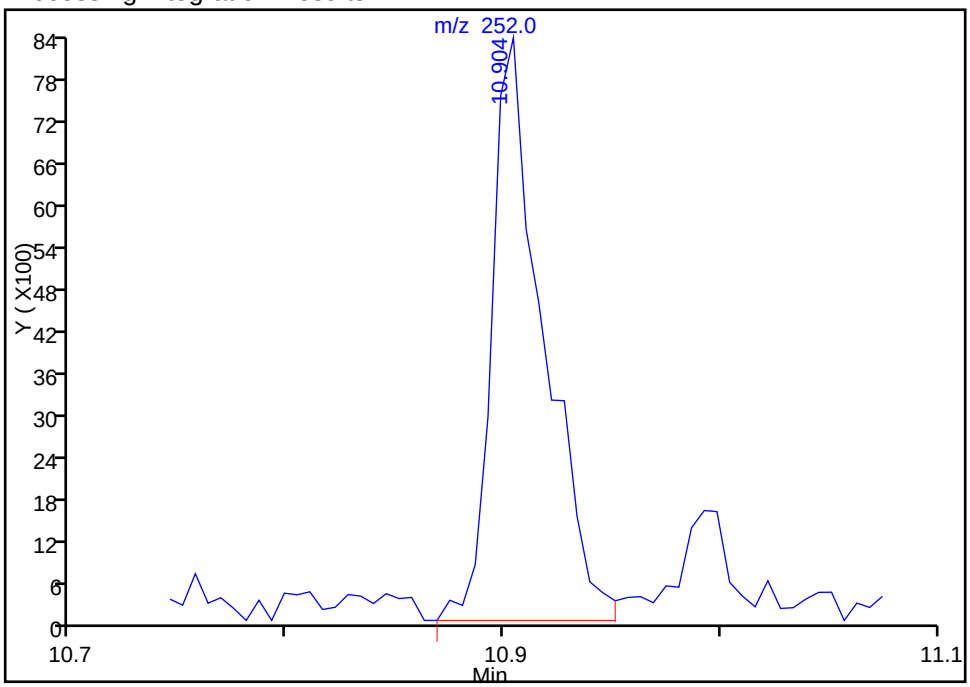
TestAmerica Savannah

Data File:	\\SAVCHROM\ChromData\CMSK\20140909-12643.b\1KI0922.D				
Injection Date:	09-Sep-2014 17:36:30	Instrument ID:	CMSK		
Lims ID:	680-104968-A-12-A	Lab Sample ID:	680-104968-12		
Client ID:	CV0755B-CS12				
Operator ID:	RM	ALS Bottle#:	22	Worklist Smp#:	22
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

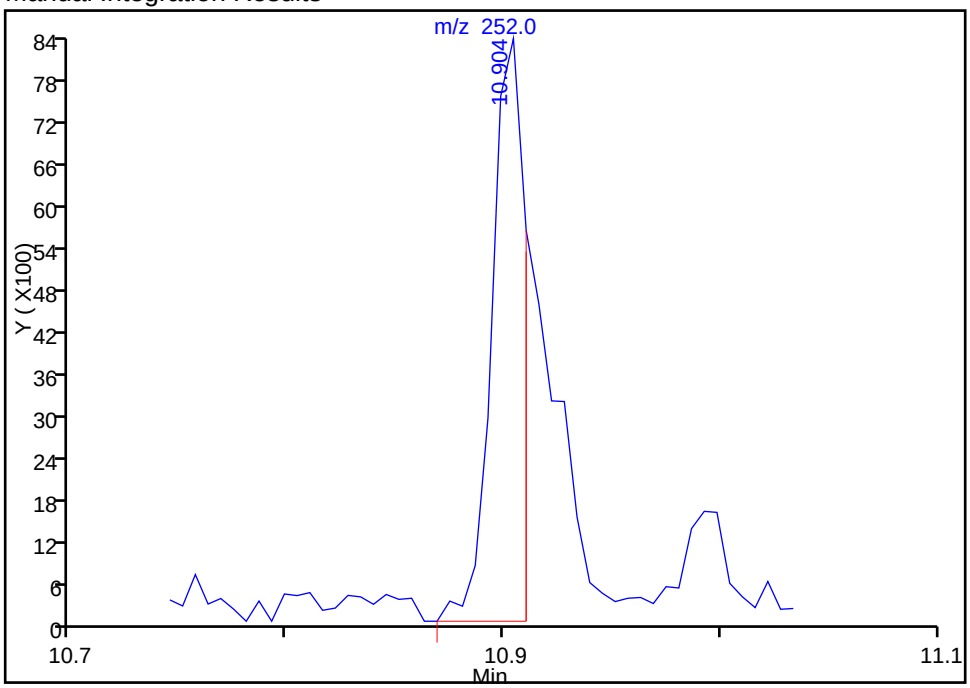
Processing Integration Results

RT: 10.90
Response: 13869
Amount: 0.117203



Manual Integration Results

RT: 10.90
Response: 9073
Amount: 0.076673



Reviewer: webbk, 10-Sep-2014 10:25:03
Audit Action: Manually Integrated
Audit Reason: Split Peak

Manual Integration/User Assign Peak Report

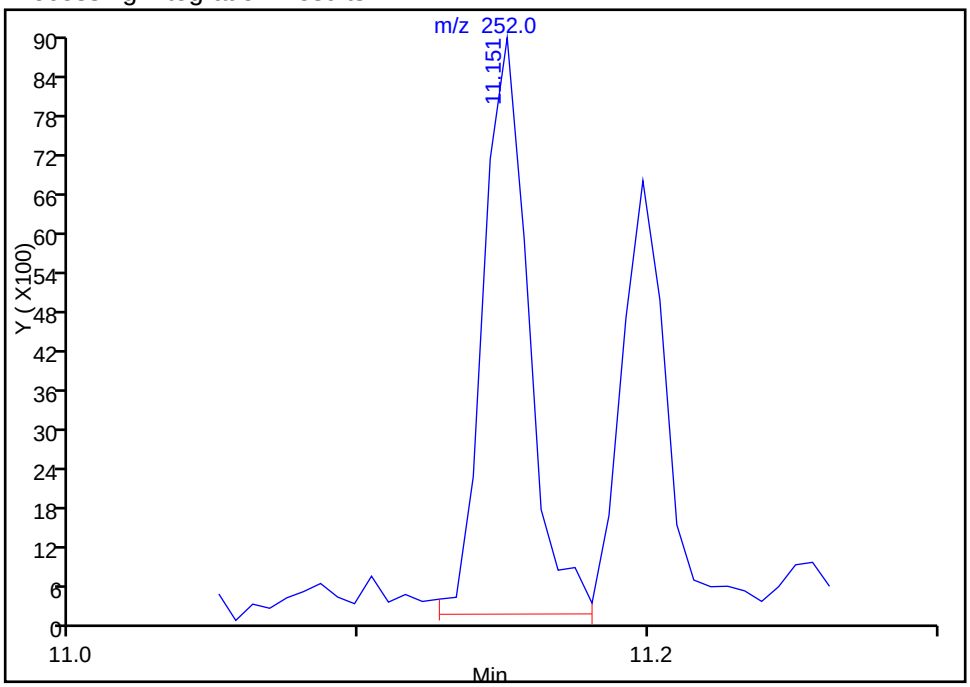
TestAmerica Savannah

Data File:	\\SAVCHROM\ChromData\CMSK\20140909-12643.b\1KI0922.D				
Injection Date:	09-Sep-2014 17:36:30	Instrument ID:	CMSK		
Lims ID:	680-104968-A-12-A	Lab Sample ID:	680-104968-12		
Client ID:	CV0755B-CS12				
Operator ID:	RM	ALS Bottle#:	22	Worklist Smp#:	22
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

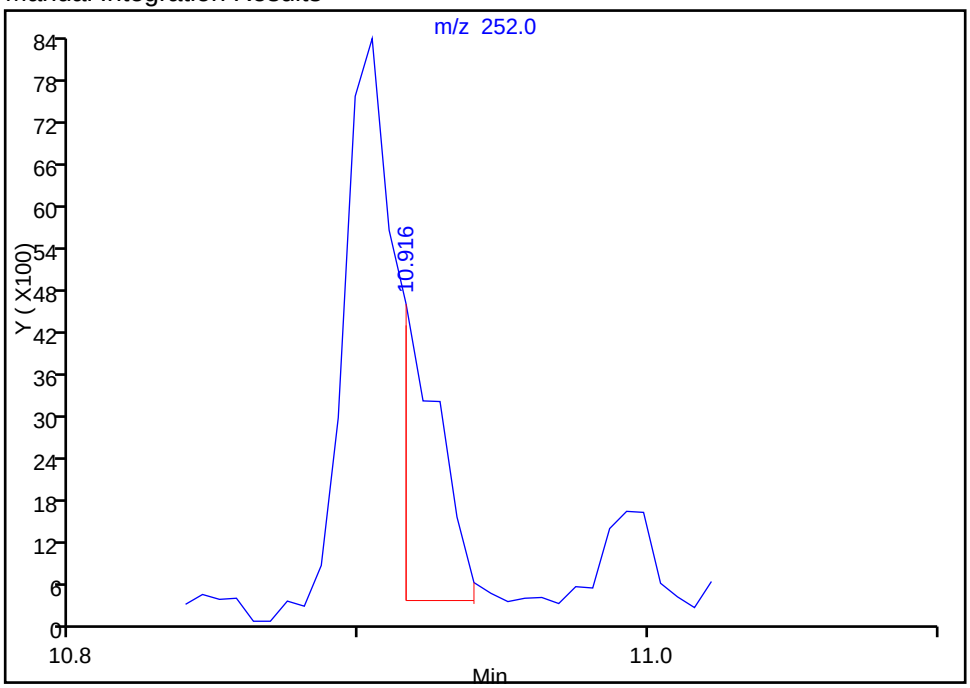
Processing Integration Results

RT: 11.15
Response: 9615
Amount: 0.080617



Manual Integration Results

RT: 10.92
Response: 4030
Amount: 0.033790



Reviewer: webbk, 10-Sep-2014 10:25:03
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.: 680-104968-1 Analy Batch No.: 347120

SDG No.: 680-104968-01

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			

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.: 680-104968-1 Analy Batch No.: 347120

SDG No.: 680-104968-01

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[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			
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.: 680-104968-1 Analy Batch No.: 347120

SDG No.: 680-104968-01

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.: 680-104968-1 Analy Batch No.: 347120

SDG No.: 680-104968-01

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:

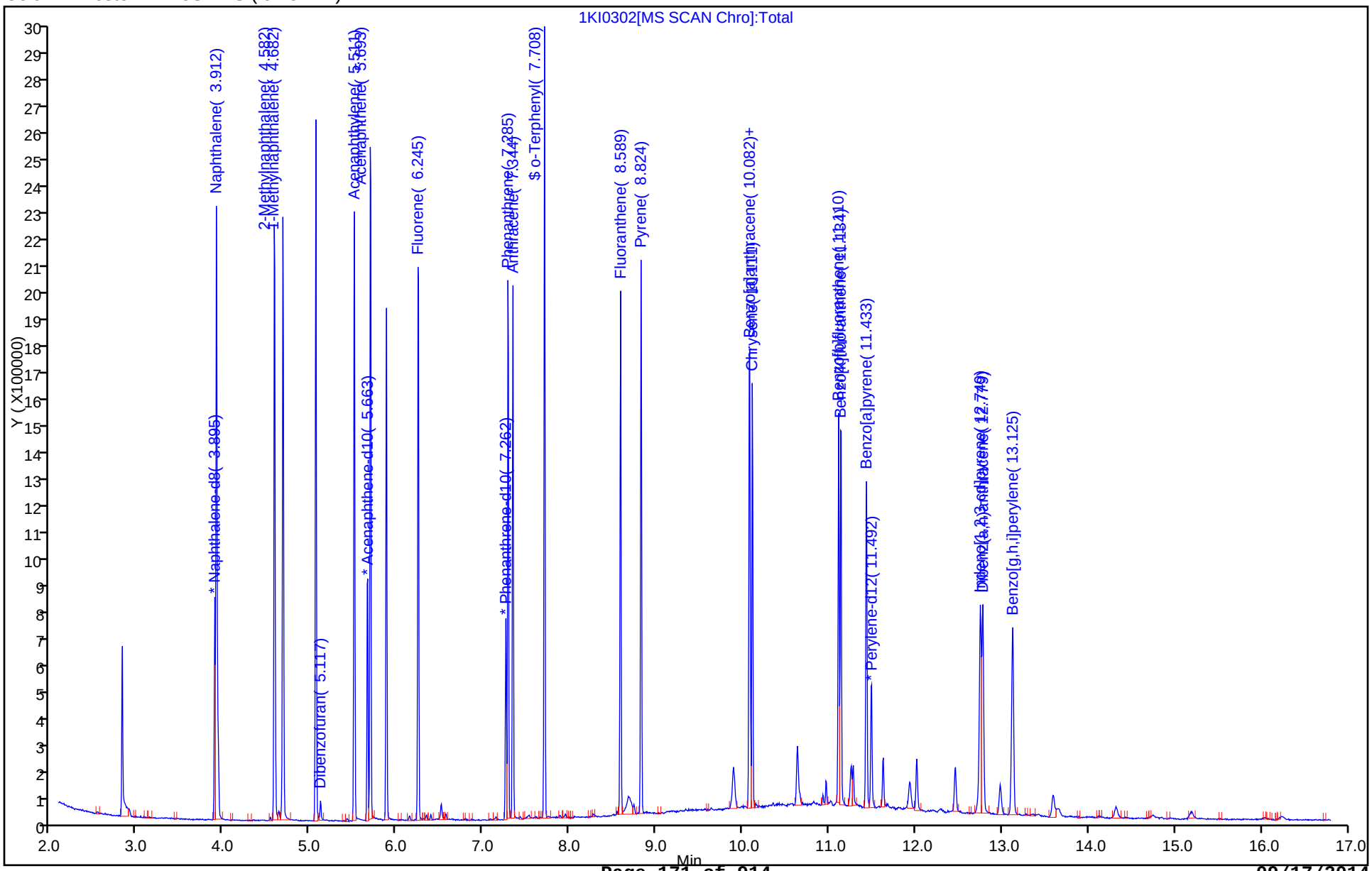
SMLLPAH5.0LVI_00022 Amount Added: 1.00 Units: mL

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:

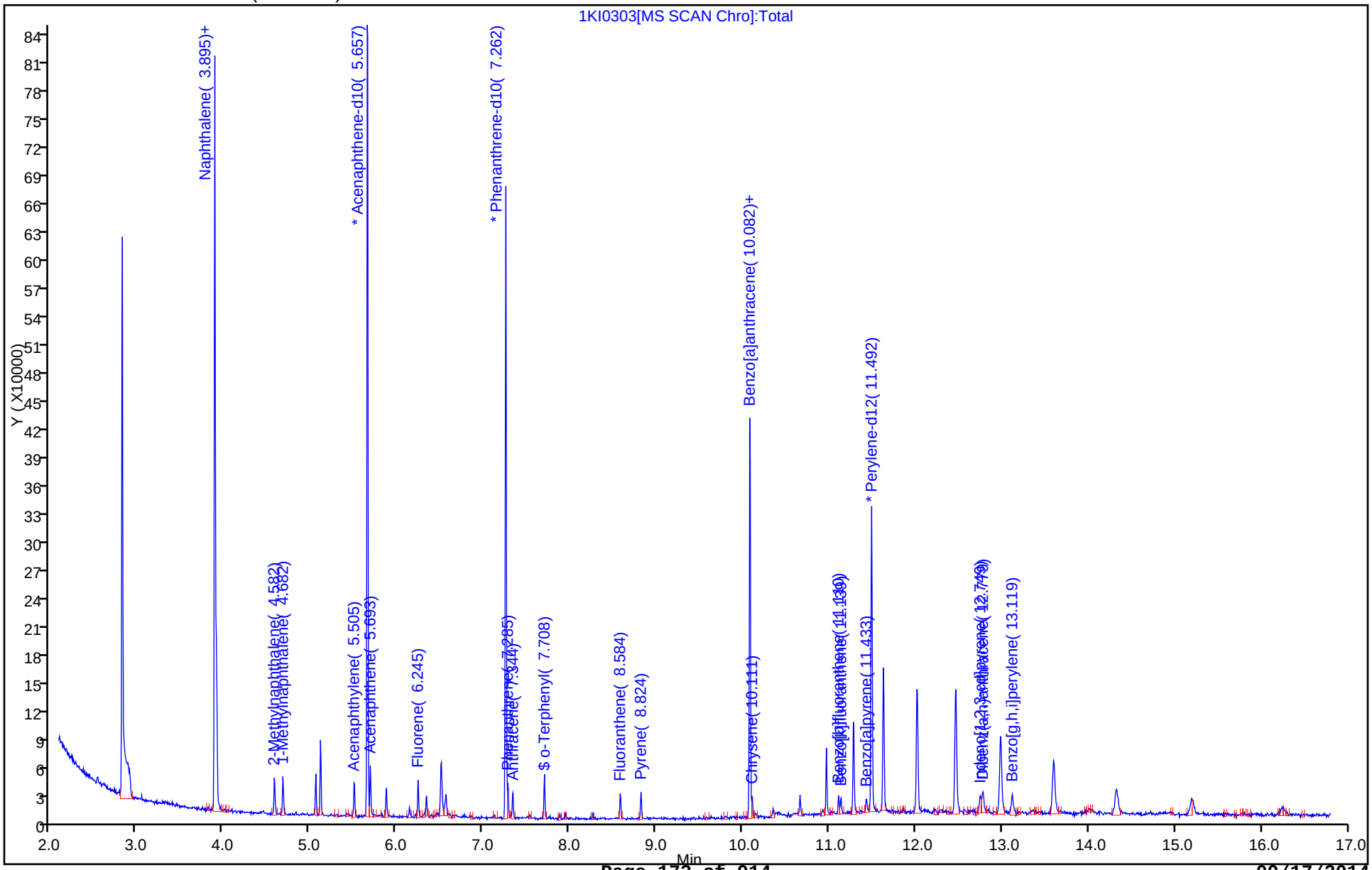
SMLLPAH0.1LVI_00019 Amount Added: 1.00 Units: mL

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

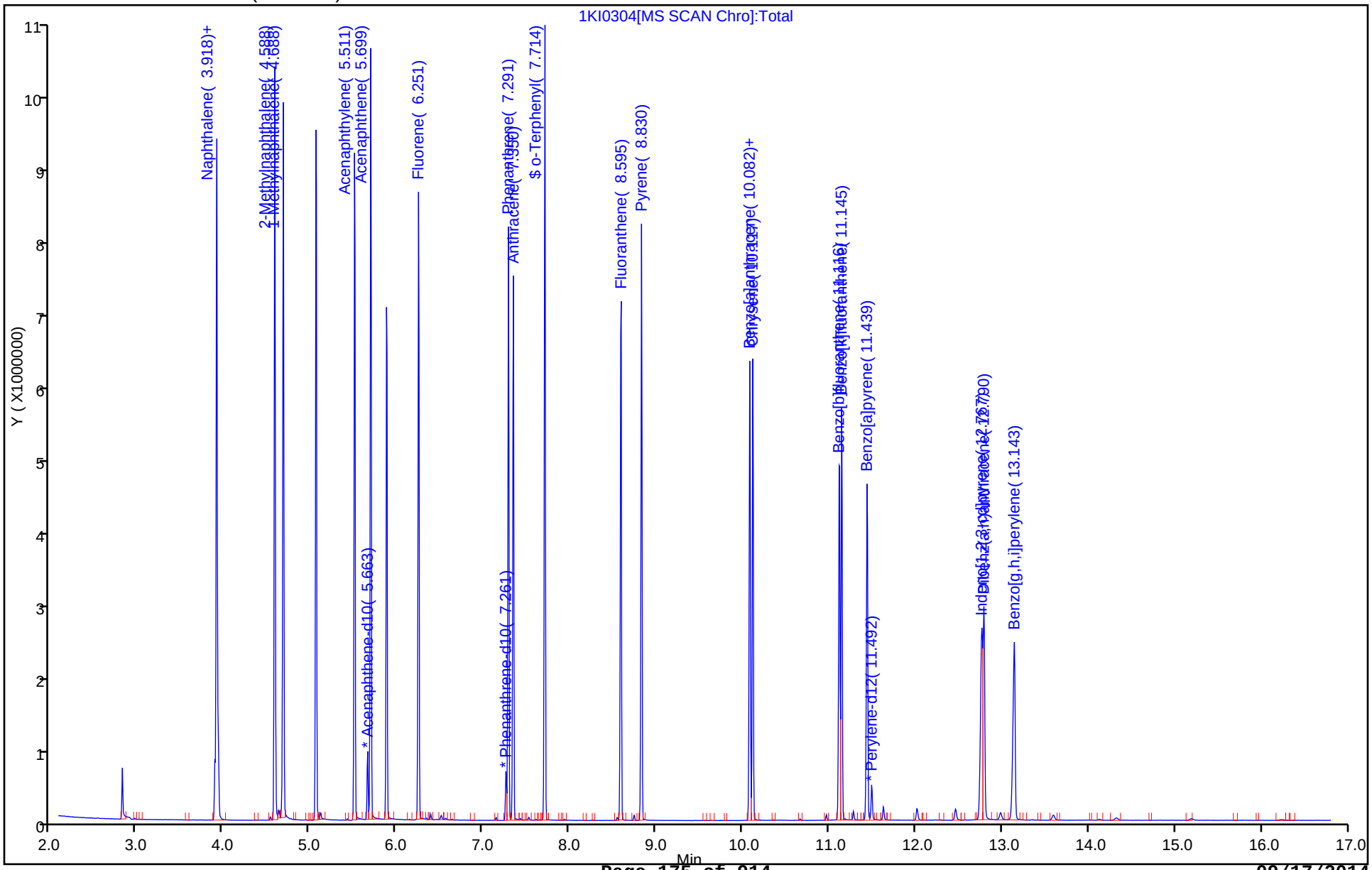
Lims ID: IC Worklist Smp#: 4

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:

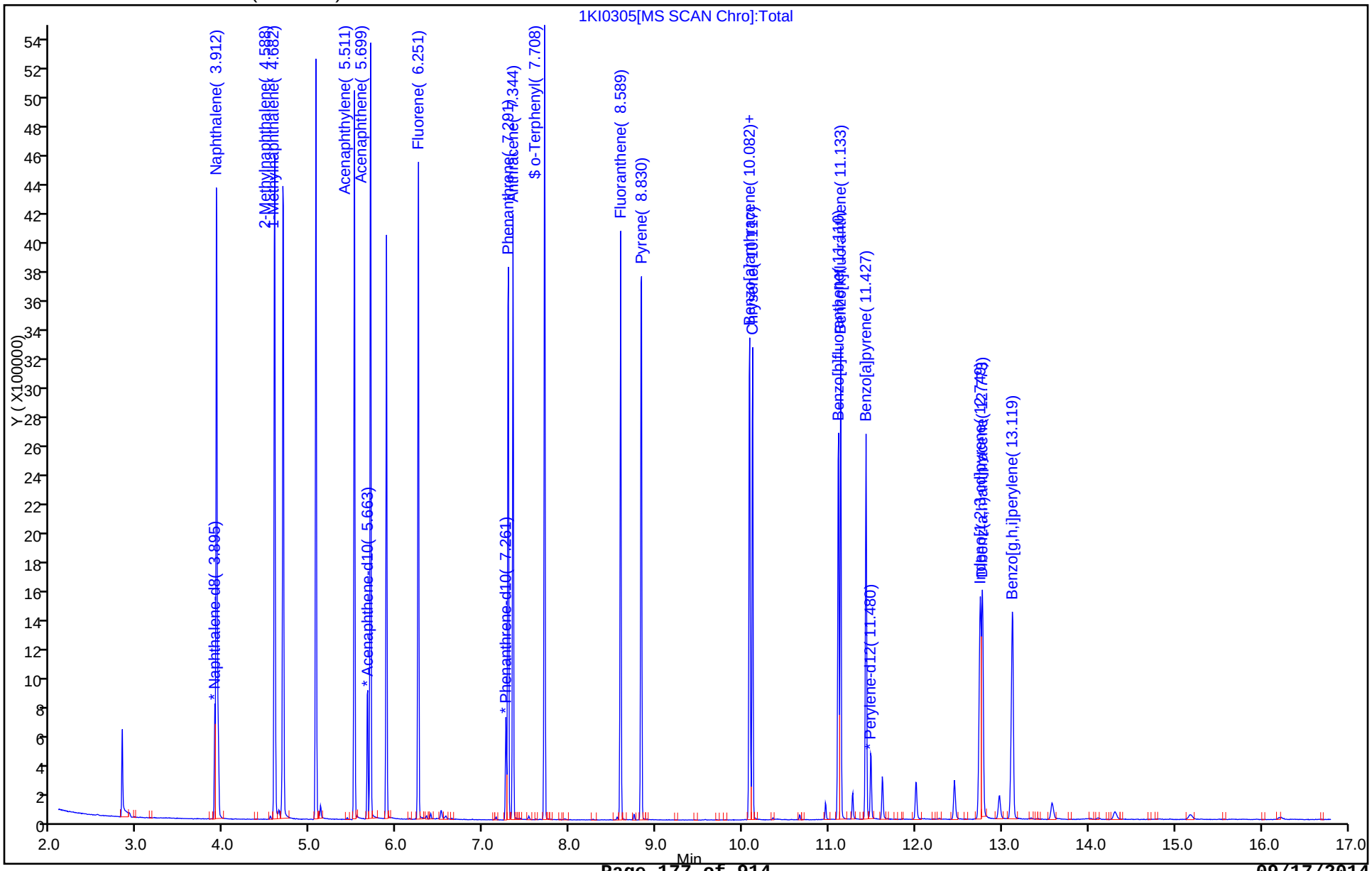
SMLLPAH10LVI_00019 Amount Added: 1.00 Units: mL

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

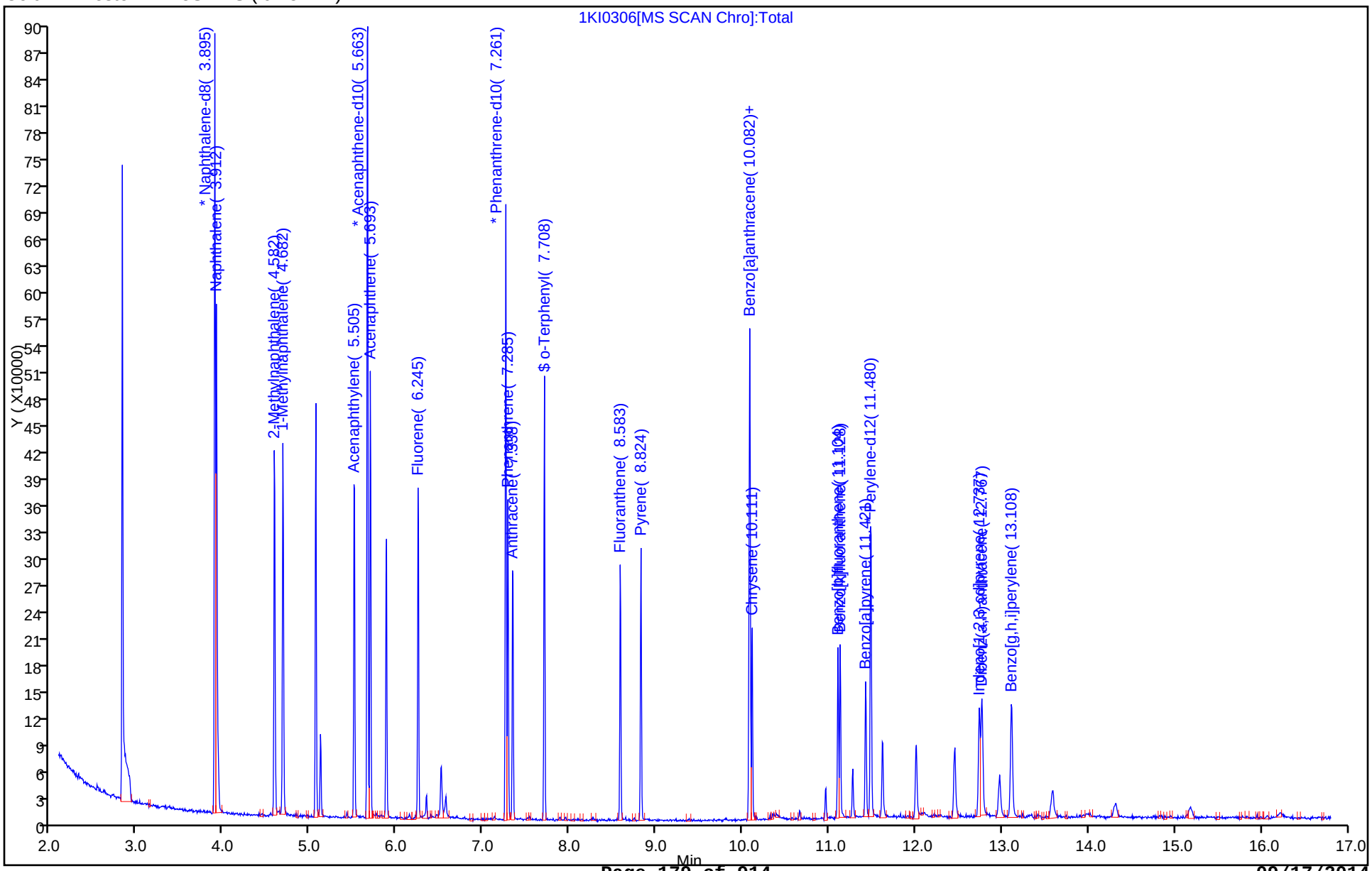
Lims ID: IC Worklist Smp#: 6

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:

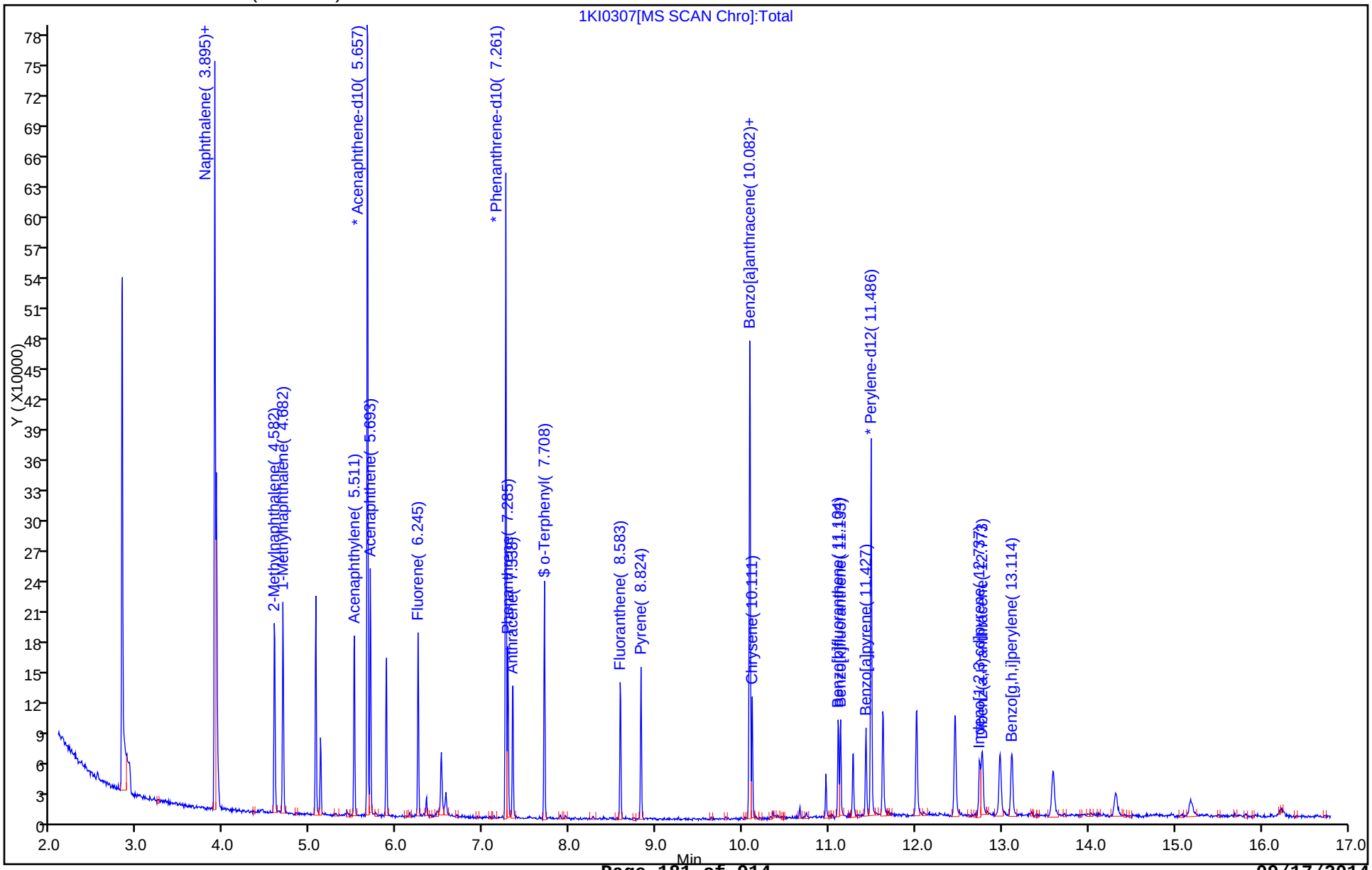
SMLLPAH0.5LVI_00019 Amount Added: 1.00 Units: mL

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:

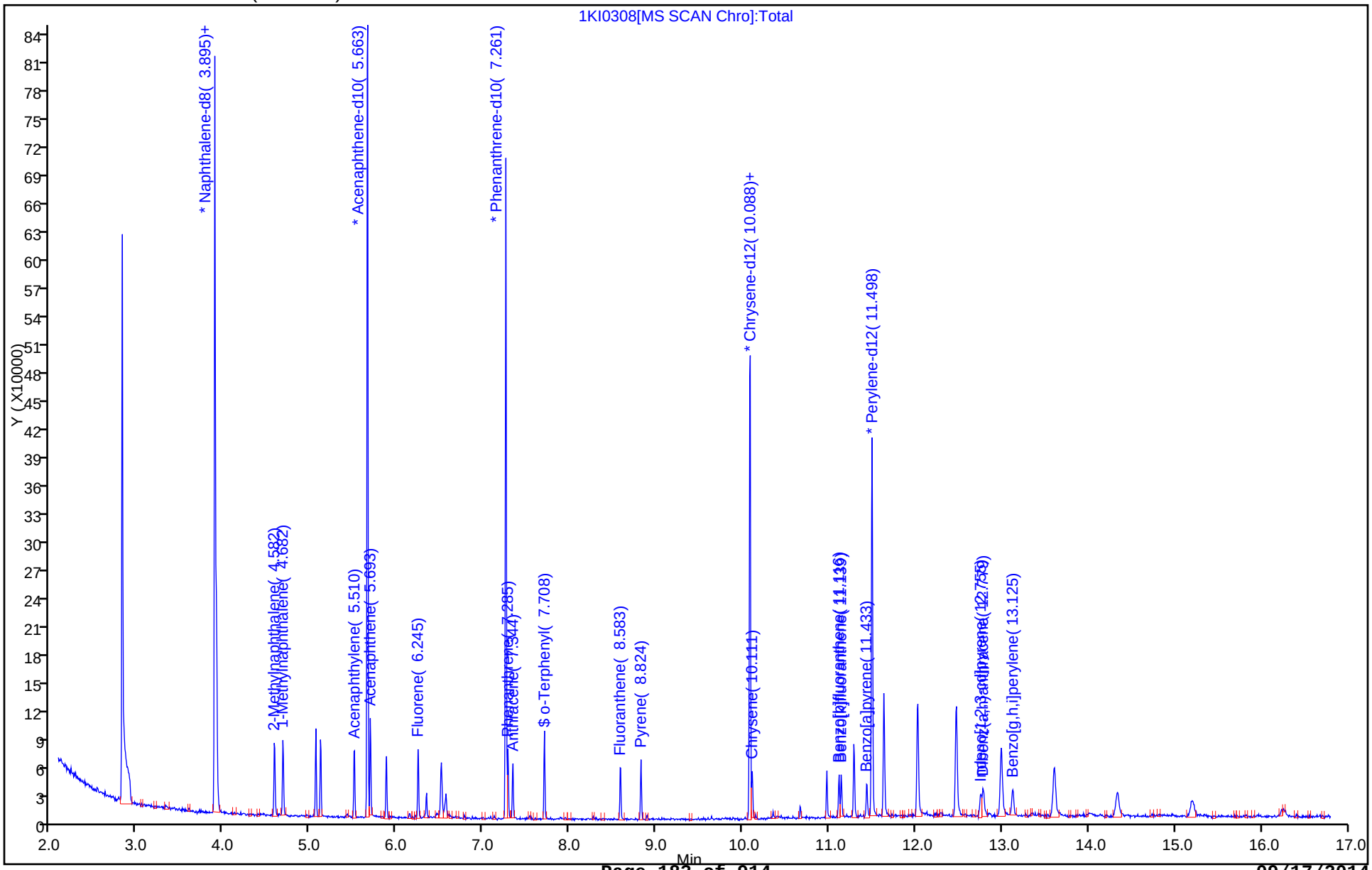
SMLLPAH0.2LVI_00018 Amount Added: 1.00 Units: mL

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.: 680-104968-1

SDG No.: 680-104968-01

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

Instrument ID: CMSK Calib Start Date: 05/13/2014 14:27

GC Column: RXi- 5Sil MS ID: 0.25(mm) Calib End Date: 05/13/2014 14:27

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

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
1,1'-Biphenyl	Ave	0.7926			0.200	5.00		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:

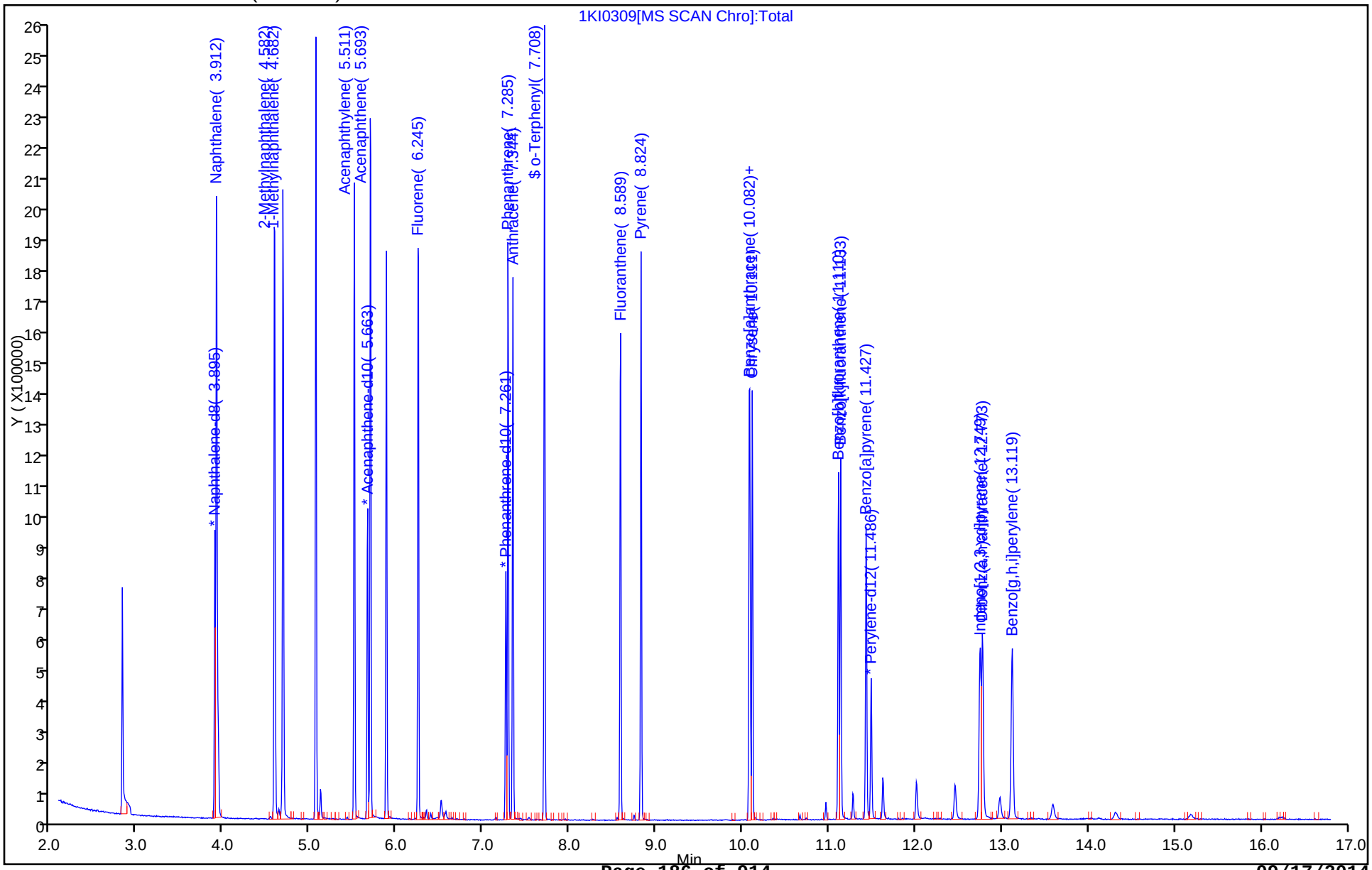
SMLLPAHICVLVI_00029 Amount Added: 1.00 Units: mL

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)



FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Savannah Job No.: 680-104968-1

SDG No.: 680-104968-01

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
Dibenzofuran	Ave	0.0001			0.200	5.00		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

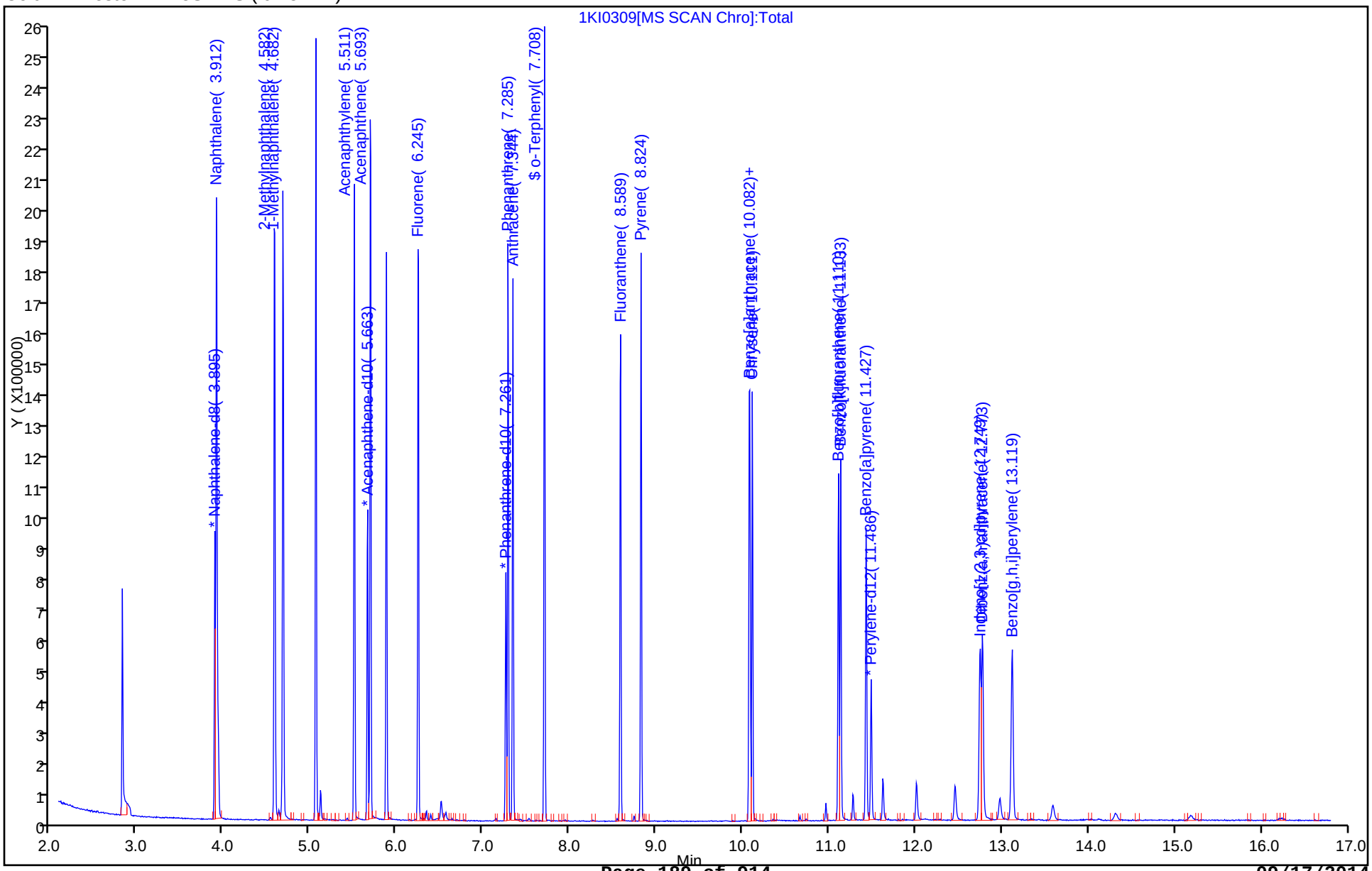
Lims ID: ICV Worklist Smp#: 9

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)



FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Savannah Job No.: 680-104968-1

SDG No.: 680-104968-01

Lab Sample ID: CCVIS 680-347967/2 Calibration Date: 09/09/2014 09:53

Instrument ID: CMSK Calib Start Date: 05/13/2014 14:27

GC Column: RXi- 5Sil MS ID: 0.25(mm) Calib End Date: 05/13/2014 14:27

Lab File ID: 1KI0902.D Conc. Units: ug/mL

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
1,1'-Biphenyl	Ave	0.7926			0.200	5.00		

TestAmerica Savannah
Target Compound Quantitation Report

Data File: \\SAVCHROM\ChromData\CMSK\20140909-12643.b\1KI0902.D
Lims ID: CCVIS
Client ID:
Sample Type: CCVIS
Inject. Date: 09-Sep-2014 09:53:30 ALS Bottle#: 2 Worklist Smp#: 2
Injection Vol: 2.0 ul Dil. Factor: 1.0000
Sample Info: CCVIS
Misc. Info.: 680-0012643-002
Operator ID: RM Instrument ID: CMSK
Sublist: chrom-8270_LLPAH_CMSK*sub4

Method: \\SAVCHROM\ChromData\CMSK\20140909-12643.b\8270_LLPAH_CMSK.m
Limit Group: 8270D_LL_PAH
Last Update: 12-Sep-2014 10:29:51 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: XAWRK027

First Level Reviewer: webbk Date: 09-Sep-2014 10:38:55

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	3.713	3.713	0.000	98	415005	2.00	2.00	
* 2 Acenaphthene-d10	164	5.464	5.464	0.000	91	207819	2.00	2.00	
* 3 Phenanthrene-d10	188	7.056	7.056	0.000	98	270007	2.00	2.00	
* 4 Chrysene-d12	240	9.882	9.882	0.000	99	239789	2.00	2.00	
* 5 Perylene-d12	264	11.239	11.239	0.000	96	208848	2.00	2.00	
$ 6 o-Terphenyl	230	7.508	7.508	0.000	90	478509	5.00	3.93	
7 Naphthalene	128	3.730	3.730	0.000	99	1104756	5.00	5.09	
9 2-Methylnaphthalene	142	4.394	4.394	0.000	86	675051	5.00	5.32	
8 1-Methylnaphthalene	142	4.494	4.494	0.000	92	638334	5.00	5.37	
11 Acenaphthylene	152	5.311	5.311	0.000	97	974194	5.00	5.29	
12 Acenaphthene	153	5.493	5.493	0.000	94	629826	5.00	5.15	
14 Fluorene	166	6.045	6.045	0.000	96	604625	5.00	5.46	
15 Phenanthrene	178	7.079	7.079	0.000	97	810804	5.00	5.22	
16 Anthracene	178	7.132	7.132	0.000	99	780726	5.00	5.50	
17 Fluoranthene	202	8.378	8.378	0.000	98	811012	5.00	5.76	
18 Pyrene	202	8.613	8.613	0.000	97	869091	5.00	4.68	
19 Benzo[a]anthracene	228	9.870	9.870	0.000	99	653902	5.00	5.22	
20 Chrysene	228	9.906	9.906	0.000	98	624954	5.00	5.19	
21 Benzo[b]fluoranthene	252	10.893	10.893	0.000	97	695425	5.00	5.47	
22 Benzo[k]fluoranthene	252	10.916	10.916	0.000	99	680564	5.00	5.31	
23 Benzo[a]pyrene	252	11.186	11.186	0.000	96	595929	5.00	5.28	
24 Indeno[1,2,3-cd]pyrene	276	12.391	12.391	0.000	98	579083	5.00	4.55	
25 Dibenz(a,h)anthracene	278	12.420	12.420	0.000	94	471928	5.00	4.36	
26 Benzo[g,h,i]perylene	276	12.726	12.726	0.000	94	509366	5.00	4.58	

Reagents:

SMLLPAH5.0LVI_00022 Amount Added: 1.00 Units: mL

Report Date: 12-Sep-2014 10:29:52 Chrom Revision: 2.2 18-Aug-2014 12:17:36

TestAmerica Savannah

Data File: \\SAVCHROM\ChromData\CMSK\20140909-12643.b\1KI0902.D

Injection Date: 09-Sep-2014 09:53:30 Instrument ID: CMSK Operator ID: RM

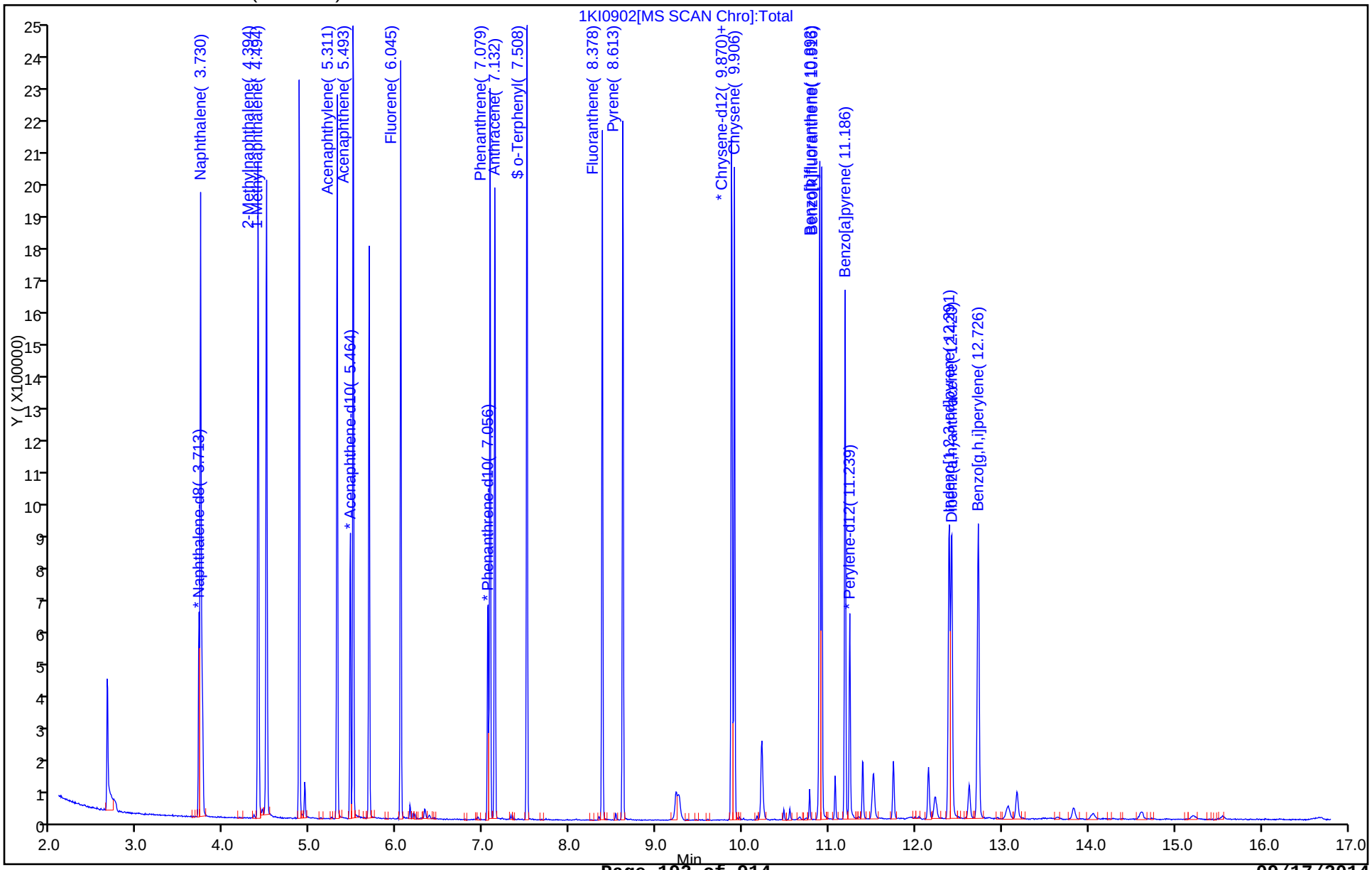
Lims ID: CCVIS Worklist Smp#: 2

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)



FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Savannah Job No.: 680-104968-1

SDG No.: 680-104968-01

Lab Sample ID: CCVIS 680-347967/2 Calibration Date: 09/09/2014 09:53

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: 1KI0902.D Conc. Units: ug/mL

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Naphthalene	Ave	1.047	1.065	0.7000	5.09	5.00	1.7	20.0
2-Methylnaphthalene	Ave	0.6111	0.6506	0.4000	5.32	5.00	6.5	20.0
1-Methylnaphthalene	Ave	0.5729	0.6153		5.37	5.00	7.4	20.0
Acenaphthylene	Ave	1.771	1.875	0.9000	5.29	5.00	5.9	20.0
Acenaphthene	Ave	1.176	1.212	0.9000	5.15	5.00	3.0	20.0
Fluorene	Ave	1.066	1.164	0.9000	5.46	5.00	9.2	20.0
Phenanthrene	Ave	1.150	1.201	0.7000	5.22	5.00	4.5	20.0
Anthracene	Ave	1.051	1.157	0.7000	5.50	5.00	10.1	20.0
Fluoranthene	Ave	1.042	1.201	0.6000	5.76	5.00	15.3	20.0
Pyrene	Ave	1.547	1.450	0.6000	4.68	5.00	-6.3	20.0
Benzo[a]anthracene	Ave	1.045	1.091	0.7000	5.22	5.00	4.4	20.0
Chrysene	Ave	1.004	1.043	0.7000	5.19	5.00	3.8	20.0
Benzo[b]fluoranthene	Ave	1.217	1.332	0.4000	5.47	5.00	9.4	20.0
Benzo[k]fluoranthene	Ave	1.227	1.303	0.4000	5.31	5.00	6.2	20.0
Benzo[a]pyrene	Ave	1.081	1.141	0.4000	5.28	5.00	5.6	20.0
Indeno[1,2,3-cd]pyrene	QuaF		0.9660	0.2000	4.55	5.00	-8.9	20.0
Dibenz(a,h)anthracene	QuaF		0.9039	0.2000	4.36	5.00	-12.8	20.0
Benzo[g,h,i]perylene	QuaF		0.9756	0.2000	4.58	5.00	-8.3	20.0
Dibenzofuran	Ave	0.0001			0.200	5.00		
o-Terphenyl	Ave	1.016	0.7982		3.93	5.00	-21.4*	20.0

TestAmerica Savannah
Target Compound Quantitation Report

Data File: \\SAVCHROM\ChromData\CMSK\20140909-12643.b\1KI0902.D
Lims ID: CCVIS
Client ID:
Sample Type: CCVIS
Inject. Date: 09-Sep-2014 09:53:30 ALS Bottle#: 2 Worklist Smp#: 2
Injection Vol: 2.0 ul Dil. Factor: 1.0000
Sample Info: CCVIS
Misc. Info.: 680-0012643-002
Operator ID: RM Instrument ID: CMSK
Sublist: chrom-8270_LLPAH_CMSK*sub4

Method: \\SAVCHROM\ChromData\CMSK\20140909-12643.b\8270_LLPAH_CMSK.m
Limit Group: 8270D_LL_PAH
Last Update: 12-Sep-2014 10:29:51 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: XAWRK027

First Level Reviewer: webbk Date: 09-Sep-2014 10:38:55

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	3.713	3.713	0.000	98	415005	2.00	2.00	
* 2 Acenaphthene-d10	164	5.464	5.464	0.000	91	207819	2.00	2.00	
* 3 Phenanthrene-d10	188	7.056	7.056	0.000	98	270007	2.00	2.00	
* 4 Chrysene-d12	240	9.882	9.882	0.000	99	239789	2.00	2.00	
* 5 Perylene-d12	264	11.239	11.239	0.000	96	208848	2.00	2.00	
$ 6 o-Terphenyl	230	7.508	7.508	0.000	90	478509	5.00	3.93	
7 Naphthalene	128	3.730	3.730	0.000	99	1104756	5.00	5.09	
9 2-Methylnaphthalene	142	4.394	4.394	0.000	86	675051	5.00	5.32	
8 1-Methylnaphthalene	142	4.494	4.494	0.000	92	638334	5.00	5.37	
11 Acenaphthylene	152	5.311	5.311	0.000	97	974194	5.00	5.29	
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16 Anthracene	178	7.132	7.132	0.000	99	780726	5.00	5.50	
17 Fluoranthene	202	8.378	8.378	0.000	98	811012	5.00	5.76	
18 Pyrene	202	8.613	8.613	0.000	97	869091	5.00	4.68	
19 Benzo[a]anthracene	228	9.870	9.870	0.000	99	653902	5.00	5.22	
20 Chrysene	228	9.906	9.906	0.000	98	624954	5.00	5.19	
21 Benzo[b]fluoranthene	252	10.893	10.893	0.000	97	695425	5.00	5.47	
22 Benzo[k]fluoranthene	252	10.916	10.916	0.000	99	680564	5.00	5.31	
23 Benzo[a]pyrene	252	11.186	11.186	0.000	96	595929	5.00	5.28	
24 Indeno[1,2,3-cd]pyrene	276	12.391	12.391	0.000	98	579083	5.00	4.55	
25 Dibenz(a,h)anthracene	278	12.420	12.420	0.000	94	471928	5.00	4.36	
26 Benzo[g,h,i]perylene	276	12.726	12.726	0.000	94	509366	5.00	4.58	

Reagents:

SMLLPAH5.0LVI_00022 Amount Added: 1.00 Units: mL

Report Date: 12-Sep-2014 10:29:52 Chrom Revision: 2.2 18-Aug-2014 12:17:36

TestAmerica Savannah

Data File: \\SAVCHROM\ChromData\CMSK\20140909-12643.b\1KI0902.D

Injection Date: 09-Sep-2014 09:53:30 Instrument ID: CMSK Operator ID: RM

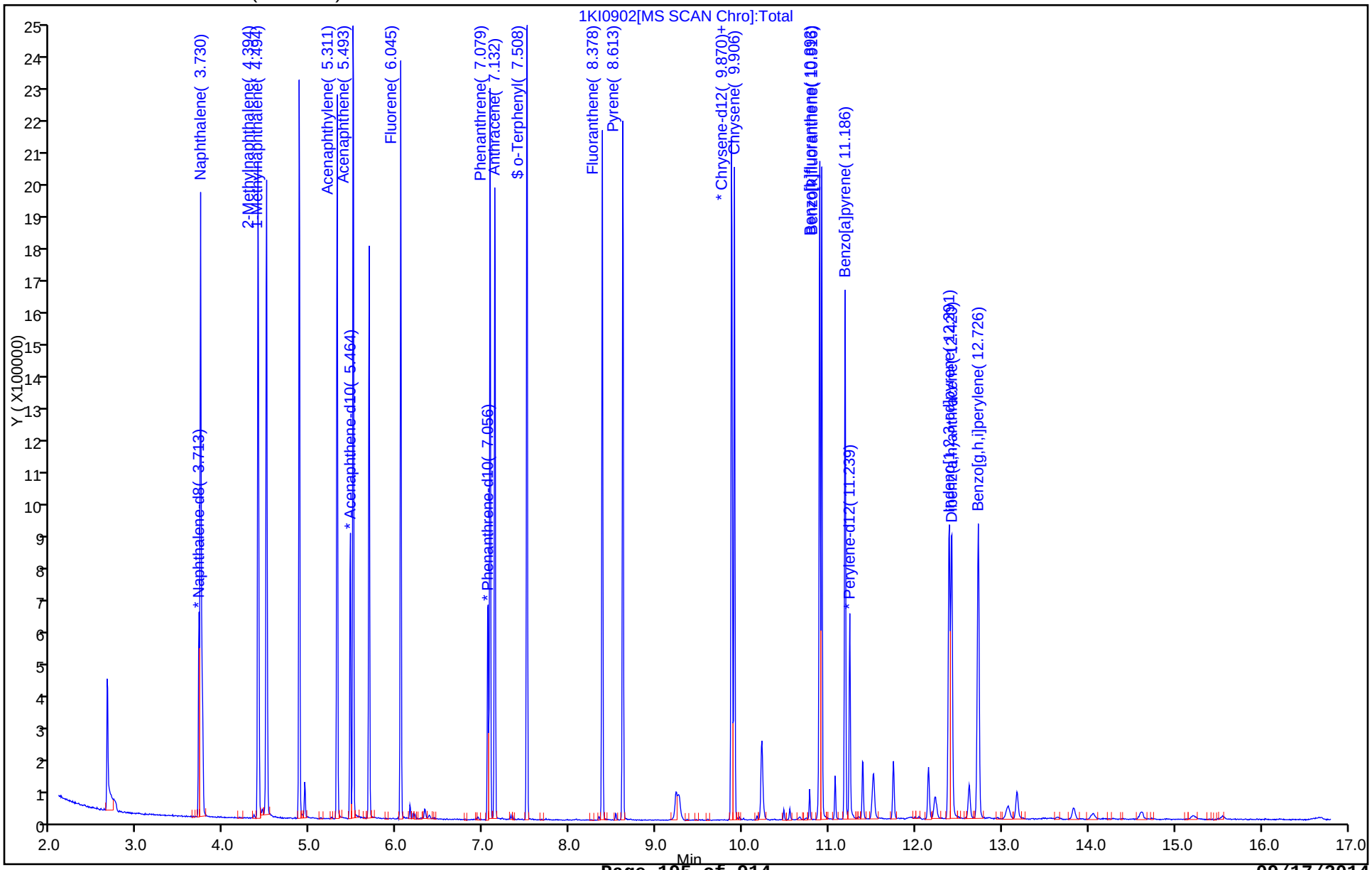
Lims ID: CCVIS Worklist Smp#: 2

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\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:

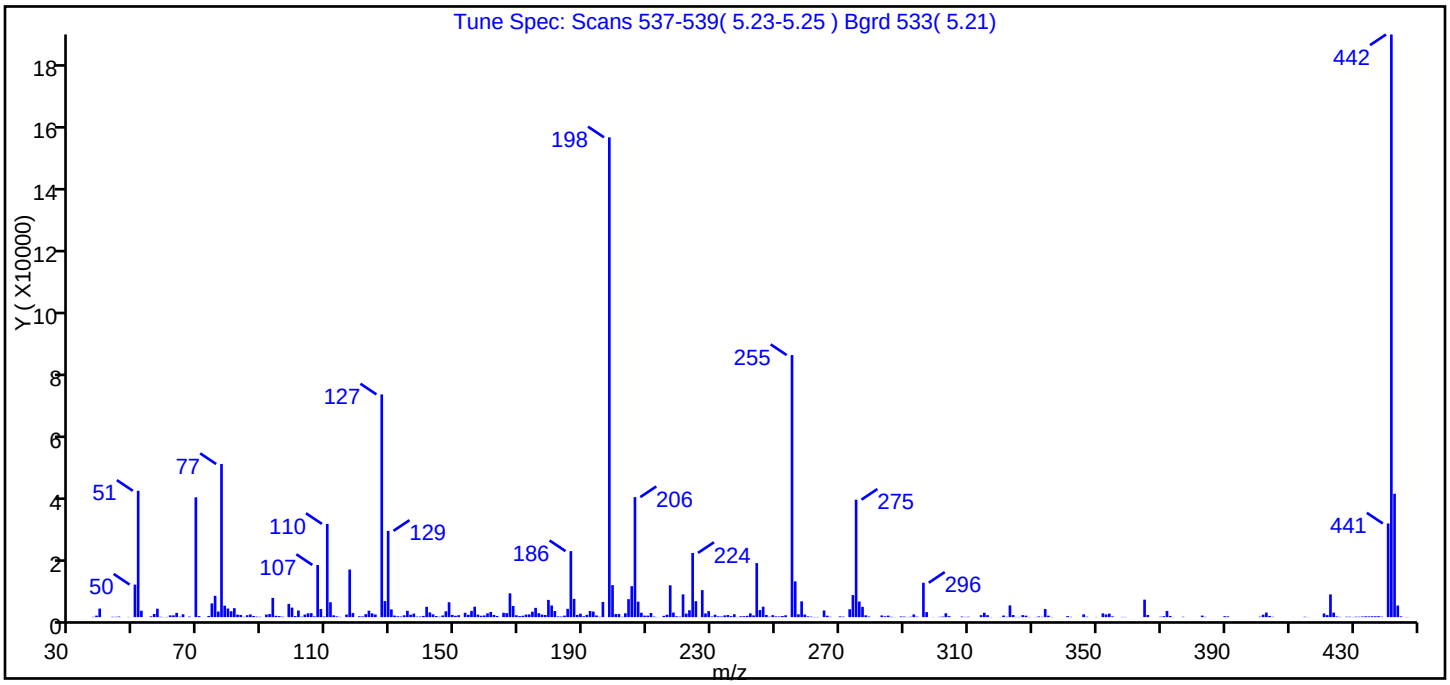
SM-LLTUNE_00073 Amount Added: 1.00 Units: mL

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		

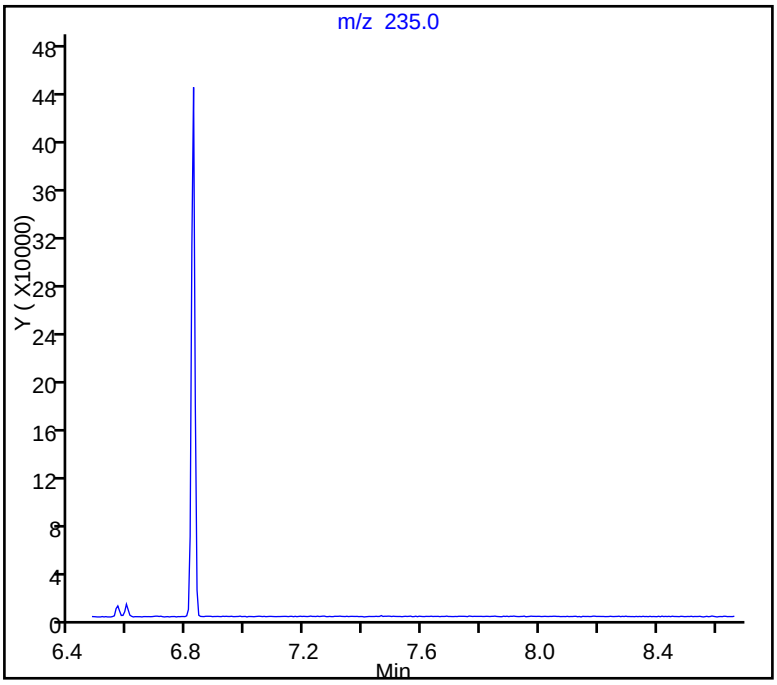
Report Date: 04-Sep-2014 12:46:24 Chrom Revision: 2.2 24-Jul-2014 14:43:32

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

TestAmerica Savannah
Target Compound Quantitation Report

Data File:	\\SAVCHROM\ChromData\CMSK\20140909-12643.b\1KI0901.D				
Lims ID:	DFTPP				
Client ID:					
Sample Type:	DFTPP				
Inject. Date:	09-Sep-2014 09:39:30	ALS Bottle#:	1	Worklist Smp#:	1
Injection Vol:	2.0 ul	Dil. Factor:	1.0000		
Sample Info:	DFTPP				
Misc. Info.:	680-0012643-001				
Operator ID:	RM	Instrument ID:	CMSK		
Method:	\\SAVCHROM\ChromData\CMSK\20140909-12643.b\8270_LLPAH_CMSK.m				
Limit Group:	8270D_LL_PAH				
Last Update:	12-Sep-2014 10:29:50	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:	XAWRK027				

First Level Reviewer: webbk Date: 09-Sep-2014 09:52:55

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	6.386	6.386	0.000	94	7012		NR	7
29 4,4'-DDT	235	6.609	6.609	0.000	97	317024	NR	NR	7

QC Flag Legend

Processing Flags

NR - Missing Quant Standard

7 - Failed Limit of Detection

Reagents:

SM-LLTUNE_00074 Amount Added: 1.00 Units: mL

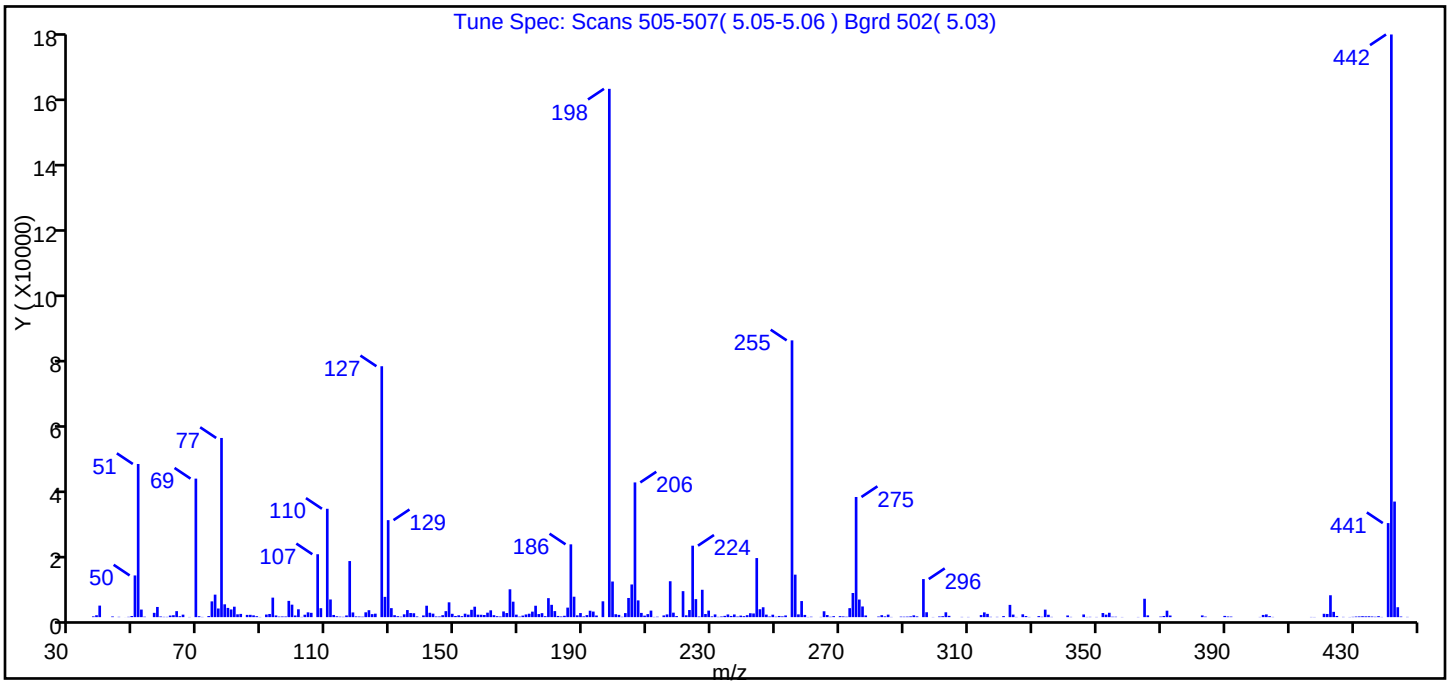
Report Date: 12-Sep-2014 10:29:50 Chrom Revision: 2.2 18-Aug-2014 12:17:36

MS Tune Report

TestAmerica Savannah

Data File:	\\SAVCHROM\ChromData\CMSK\20140909-12643.b\1KI0901.D				
Injection Date:	09-Sep-2014 09:39:30	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	26.30
68	Less than 2.00% of mass 69	0.00 (0.00)
69	Present	23.80
70	Less than 2.00% of mass 69	0.10 (0.60)
127	10.00 - 80.00% of mass 442	43.10
197	Less than 2.00% of mass 198	0.00 (0.00)
198	Greater than 50.00% of mass 442	90.70
199	5.00 - 9.00% of mass 198	6.10 (6.70)
275	10.00 - 60.00% of mass 442	20.60
365	Greater than 1.00% of mass 442	3.20
441	Present, but less than mass 443	16.10 (81.40)
443	15.00 - 24.00% of mass 442	19.80

Data File: \\SAVCHROM\ChromData\CMSK\20140909-12643.b\1KI0901.D\8270_LLPAH_CMSK.rslt\spectra.d
Injection Date: 09-Sep-2014 09:39:30
Spectrum: Tune Spec: Scans 505-507(5.05-5.06) Bgrd 502(5.03)
Base Peak: 442.00
Minimum % Base Peak: 0
Number of Points: 310

m/z	Y	m/z	Y	m/z	Y	m/z	Y
37.00	233	130.00	2673	210.00	895	302.00	279
38.00	561	131.00	575	211.00	1940	303.00	1442
39.00	3424	132.00	282	212.00	65	304.00	385
43.00	202	133.00	139	213.00	129	308.00	69
45.00	97	134.00	835	215.00	510	310.00	60
47.00	12	135.00	2099	216.00	807	314.00	616
48.00	94	136.00	1222	217.00	10654	315.00	1410
49.00	333	137.00	1159	218.00	1328	316.00	972
50.00	12372	138.00	203	219.00	315	317.00	92
51.00	45440	139.00	18	221.00	7712	319.00	84
52.00	2248	140.00	505	222.00	544	321.00	304
53.00	133	141.00	3388	223.00	2111	323.00	3637
56.00	1277	142.00	1296	224.00	21200	324.00	758
57.00	3019	143.00	1037	225.00	5343	325.00	63
58.00	194	144.00	195	226.00	185	327.00	843
59.00	88	145.00	196	227.00	8121	328.00	321
60.00	79	146.00	579	228.00	928	329.00	60
61.00	469	147.00	1777	229.00	1938	332.00	305
62.00	573	148.00	4399	230.00	222	333.00	106
63.00	1783	149.00	994	231.00	806	334.00	2231
64.00	254	150.00	348	232.00	94	335.00	705
65.00	740	151.00	543	233.00	197	336.00	79
67.00	55	152.00	295	234.00	378	341.00	497
69.00	41096	153.00	1022	235.00	799	342.00	75
70.00	254	154.00	743	236.00	353	346.00	796
71.00	67	155.00	2180	237.00	796	347.00	64
73.00	323	156.00	3097	238.00	176	348.00	89
74.00	4678	157.00	733	239.00	455	350.00	60
75.00	6678	158.00	704	240.00	288	352.00	1224
76.00	2564	159.00	634	241.00	578	353.00	738
77.00	53160	160.00	1328	242.00	1159	354.00	1295
78.00	3808	161.00	2023	243.00	1091	355.00	129
79.00	2740	162.00	578	244.00	17528	356.00	121

Report Date: 12-Sep-2014 10:29:50 Chrom Revision: 2.2 18-Aug-2014 12:17:36
Data File: \\SAVCHROM\ChromData\CMSK\20140909-12643.b\1KI0901.D\8270_LLPAH_CMSK.rslt\spectra.d
Injection Date: 09-Sep-2014 09:39:30
Spectrum: Tune Spec: Scans 505-507(5.05-5.06) Bgrd 502(5.03)
Base Peak: 442.00
Minimum % Base Peak: 0
Number of Points: 310

m/z	Y	m/z	Y	m/z	Y	m/z	Y
80.00	2280	163.00	283	245.00	2344	358.00	52
81.00	3098	164.00	180	246.00	2934	363.00	55
82.00	836	165.00	1692	247.00	746	365.00	5455
83.00	960	166.00	1224	248.00	187	366.00	521
85.00	669	167.00	8262	249.00	726	370.00	169
86.00	686	168.00	4589	250.00	126	371.00	351
87.00	529	169.00	735	251.00	351	372.00	1917
88.00	281	170.00	158	252.00	227	373.00	483
89.00	55	171.00	465	253.00	499	383.00	508
91.00	773	172.00	798	255.00	82112	384.00	156
92.00	938	173.00	1013	256.00	12609	390.00	370
93.00	5789	174.00	1637	257.00	822	391.00	192
94.00	500	175.00	3385	258.00	4773	392.00	164
95.00	164	176.00	918	259.00	661	401.00	62
96.00	198	177.00	1187	260.00	56	402.00	657
97.00	186	178.00	289	261.00	121	403.00	812
98.00	4826	179.00	5638	264.00	71	404.00	295
99.00	3702	180.00	3653	265.00	1744	405.00	68
100.00	484	181.00	1792	266.00	623	417.00	57
101.00	2331	182.00	352	267.00	110	418.00	50
102.00	68	183.00	189	268.00	288	421.00	994
103.00	713	184.00	402	270.00	296	422.00	945
104.00	1424	185.00	2828	271.00	217	423.00	6495
105.00	1280	186.00	21600	272.00	126	424.00	1570
107.00	18664	187.00	6063	273.00	2667	425.00	350
108.00	2658	188.00	537	274.00	7163	427.00	77
110.00	32152	189.00	1216	275.00	35648	429.00	50
111.00	5245	190.00	224	276.00	5218	430.00	96
112.00	648	191.00	602	277.00	3168	431.00	178
113.00	256	192.00	1907	278.00	497	432.00	213
114.00	138	193.00	1653	282.00	180	433.00	280
115.00	97	194.00	483	283.00	588	434.00	233
116.00	502	196.00	4699	284.00	222	435.00	264
117.00	16640	198.00	156736	285.00	742	436.00	194

Report Date: 12-Sep-2014 10:29:50 Chrom Revision: 2.2 18-Aug-2014 12:17:36
Data File: \\SAVCHROM\ChromData\CMSK\20140909-12643.b\1KI0901.D\8270_LLPAH_CMSK.rslt\spectra.d
Injection Date: 09-Sep-2014 09:39:30
Spectrum: Tune Spec: Scans 505-507(5.05-5.06) Bgrd 502(5.03)
Base Peak: 442.00
Minimum % Base Peak: 0
Number of Points: 310

m/z	Y	m/z	Y	m/z	Y	m/z	Y
118.00	1397	199.00	10571	286.00	62	437.00	120
119.00	216	200.00	865	289.00	151	438.00	288
120.00	184	201.00	673	290.00	130	439.00	60
121.00	138	202.00	104	291.00	159	441.00	27904
122.00	1431	203.00	1201	292.00	231	442.00	172864
123.00	2058	204.00	5685	293.00	536	443.00	34288
124.00	893	205.00	9695	294.00	221	444.00	2943
125.00	1028	206.00	39968	296.00	11300	445.00	181
127.00	74440	207.00	4975	297.00	1451	447.00	74
128.00	6014	208.00	1258	299.00	50		
129.00	28776	209.00	445	301.00	197		

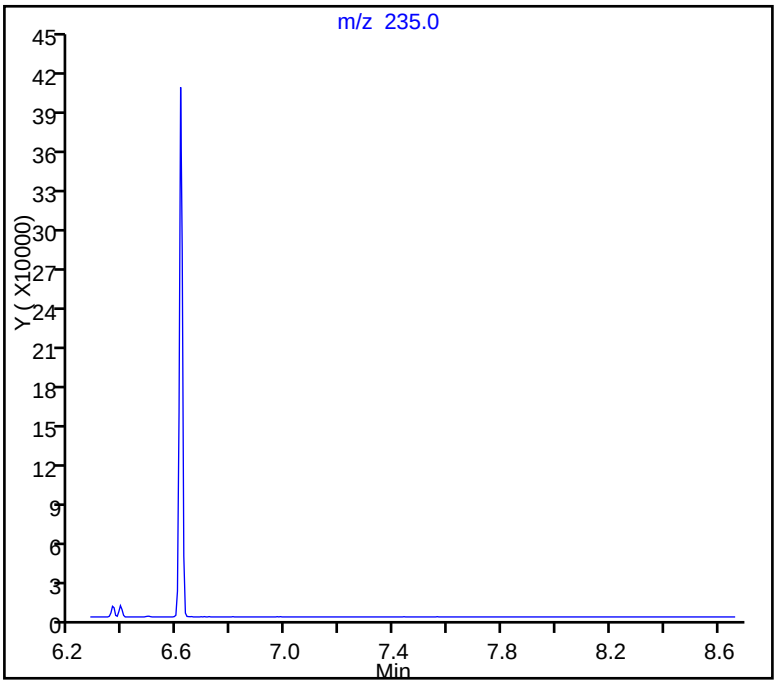
Report Date: 12-Sep-2014 10:29:50 Chrom Revision: 2.2 18-Aug-2014 12:17:36

Breakdown Report

TestAmerica Savannah

Data File:	\\SAVCHROM\ChromData\CMSK\20140909-12643.b\1KI0901.D				
Injection Date:	09-Sep-2014 09:39:30	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 = 317024
28 4,4'-DDD, Area = 7012
30 4,4'-DDE, Area = 0

%Breakdown: 2.16%, Max Limit: 20.00%
Passed

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Savannah
Job No.: 680-104968-1
SDG No.: 680-104968-01
Client Sample ID:
Lab Sample ID: MB 680-347686/21-A
Matrix: Solid
Lab File ID: 1KI0905.D
Analysis Method: 8270D_LL_PAH
Date Collected:
Extract. Method: 3546
Date Extracted: 09/06/2014 12:38
Sample wt/vol: 30.02(g)
Date Analyzed: 09/09/2014 11:02
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.: 347967
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	78		36-131

TestAmerica Savannah
Target Compound Quantitation Report

Data File: \\SAVCHROM\ChromData\CMSK\20140909-12643.b\1KI0905.D
Lims ID: MB 680-347686/21-A
Client ID:
Sample Type: MB
Inject. Date: 09-Sep-2014 11:02:30 ALS Bottle#: 5 Worklist Smp#: 5
Injection Vol: 2.0 ul Dil. Factor: 1.0000
Sample Info: MB 680-347686/21-A
Misc. Info.: 680-0012643-005
Operator ID: RM Instrument ID: CMSK

Method: \\SAVCHROM\ChromData\CMSK\20140909-12643.b\8270_LLPAH_CMSK.m
Limit Group: 8270D_LL_PAH
Last Update: 12-Sep-2014 10:29:51 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: XAWRK027

First Level Reviewer: webbk Date: 09-Sep-2014 11:48:58

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	3.707	3.713	-0.006	98	541824	2.00	2.00	
* 2 Acenaphthene-d10	164	5.458	5.464	-0.006	91	260703	2.00	2.00	
* 3 Phenanthrene-d10	188	7.050	7.056	-0.006	98	331911	2.00	2.00	
* 4 Chrysene-d12	240	9.876	9.882	-0.006	99	239166	2.00	2.00	
* 5 Perylene-d12	264	11.233	11.239	-0.006	97	195531	2.00	2.00	
$ 6 o-Terphenyl	230	7.502	7.508	-0.006	88	189826	2.00	1.56	

Reagents:

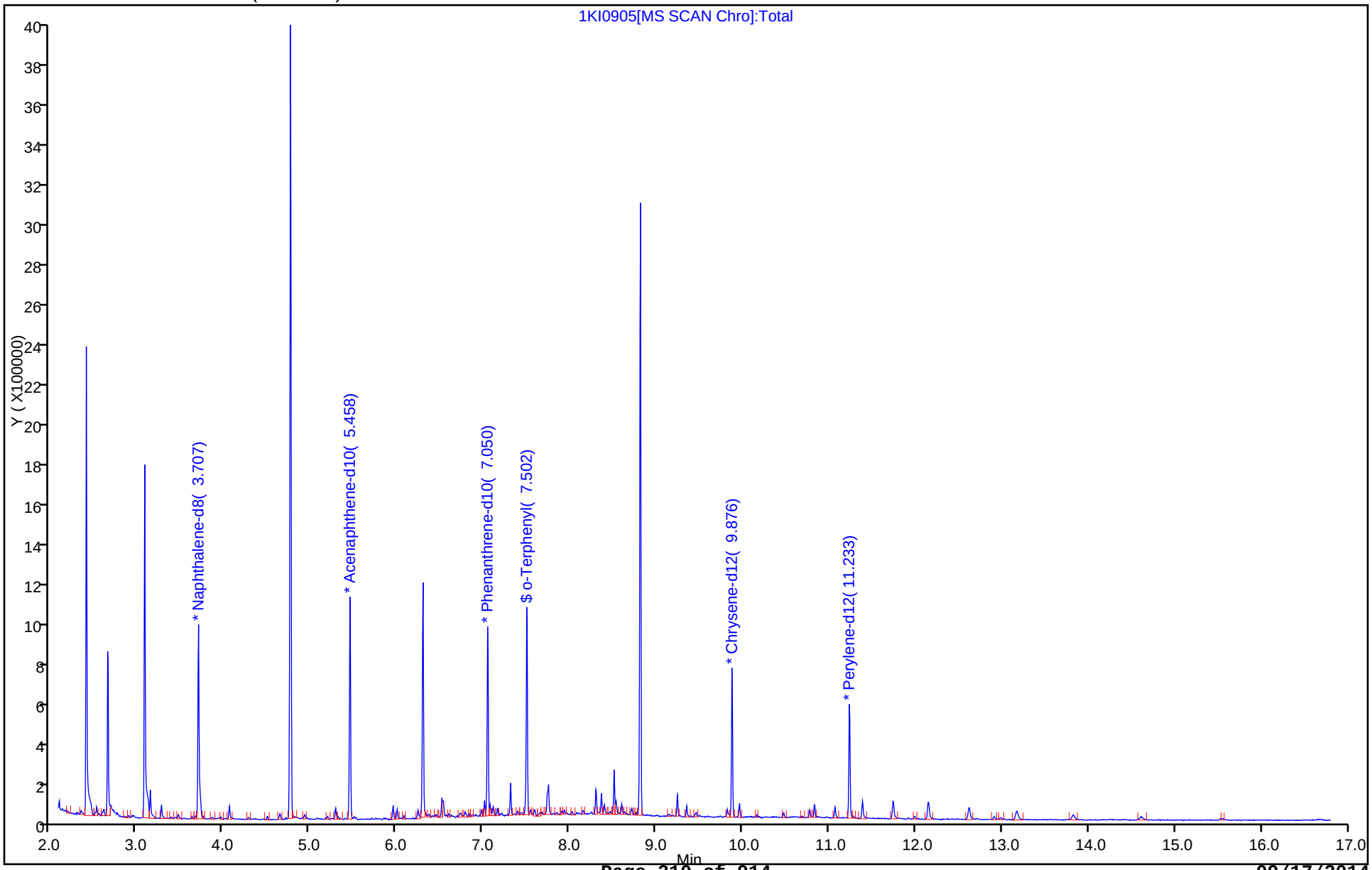
SM-LLISTD_00106 Amount Added: 10.00 Units: uL Run Reagent

Report Date: 12-Sep-2014 10:29:54 Chrom Revision: 2.2 18-Aug-2014 12:17:36

TestAmerica Savannah

Data File:	\\SAVCHROM\ChromData\CMSK\20140909-12643.b\1KI0905.D				
Injection Date:	09-Sep-2014 11:02:30	Instrument ID:	CMSK	Operator ID:	RM
Lims ID:	MB 680-347686/21-A			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)



FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Savannah
Job No.: 680-104968-1
SDG No.: 680-104968-01
Client Sample ID:
Lab Sample ID: LCS 680-347686/22-A
Matrix: Solid
Lab File ID: 1KI0906.D
Analysis Method: 8270D_LL_PAH
Date Collected:
Extract. Method: 3546
Date Extracted: 09/06/2014 12:38
Sample wt/vol: 30.01(g)
Date Analyzed: 09/09/2014 11:25
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.: 347967
Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
83-32-9	Acenaphthene	256		6.7	3.3
208-96-8	Acenaphthylene	261		6.7	3.3
120-12-7	Anthracene	290		6.7	3.3
56-55-3	Benzo[a]anthracene	296		6.7	3.3
50-32-8	Benzo[a]pyrene	292		6.7	1.2
205-99-2	Benzo[b]fluoranthene	296		6.7	3.3
191-24-2	Benzo[g,h,i]perylene	267		6.7	3.3
207-08-9	Benzo[k]fluoranthene	290		6.7	2.0
218-01-9	Chrysene	287		6.7	3.3
53-70-3	Dibenz(a,h)anthracene	266		6.7	3.3
206-44-0	Fluoranthene	307		6.7	3.3
86-73-7	Fluorene	284		6.7	3.3
193-39-5	Indeno[1,2,3-cd]pyrene	252		6.7	3.3
90-12-0	1-Methylnaphthalene	263		6.7	3.1
91-57-6	2-Methylnaphthalene	255		6.7	3.3
91-20-3	Naphthalene	238		6.7	3.3
85-01-8	Phenanthrene	263		6.7	2.4
129-00-0	Pyrene	241		6.7	3.3

CAS NO.	SURROGATE	%REC	Q	LIMITS
84-15-1	o-Terphenyl	65		36-131

TestAmerica Savannah
Target Compound Quantitation Report

Data File: \\SAVCHROM\ChromData\CMSK\20140909-12643.b\1KI0906.D
Lims ID: LCS 680-347686/22-A
Client ID:
Sample Type: LCS
Inject. Date: 09-Sep-2014 11:25:30 ALS Bottle#: 6 Worklist Smp#: 6
Injection Vol: 2.0 ul Dil. Factor: 1.0000
Sample Info: LCS 680-347686/22-A
Misc. Info.: 680-0012643-006
Operator ID: RM Instrument ID: CMSK

Method: \\SAVCHROM\ChromData\CMSK\20140909-12643.b\8270_LLPAH_CMSK.m
Limit Group: 8270D_LL_PAH
Last Update: 12-Sep-2014 10:29:51 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: XAWRK027

First Level Reviewer: webbk Date: 09-Sep-2014 12:01:33

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	3.707	3.713	-0.006	98	509613	2.00	2.00	
* 2 Acenaphthene-d10	164	5.463	5.464	-0.001	91	247192	2.00	2.00	
* 3 Phenanthrene-d10	188	7.056	7.056	0.000	98	326846	2.00	2.00	
* 4 Chrysene-d12	240	9.882	9.882	0.000	99	292417	2.00	2.00	
* 5 Perylene-d12	264	11.245	11.239	0.006	96	240706	2.00	2.00	
$ 6 o-Terphenyl	230	7.502	7.508	-0.006	89	193481	2.00	1.30	
7 Naphthalene	128	3.730	3.730	0.000	99	1905262	10.0	7.14	
9 2-Methylnaphthalene	142	4.394	4.394	0.000	86	1190547	10.0	7.65	
8 1-Methylnaphthalene	142	4.494	4.494	0.000	93	1153244	10.0	7.90	
11 Acenaphthylene	152	5.311	5.311	0.000	98	1717351	10.0	7.85	
12 Acenaphthene	153	5.499	5.493	0.006	94	1118568	10.0	7.69	
14 Fluorene	166	6.045	6.045	0.000	95	1123762	10.0	8.53	
15 Phenanthrene	178	7.079	7.079	0.000	97	1483111	10.0	7.89	
16 Anthracene	178	7.138	7.132	0.006	99	1495608	10.0	8.71	
17 Fluoranthene	202	8.378	8.378	0.000	98	1569103	10.0	9.21	
18 Pyrene	202	8.619	8.613	0.006	98	1634609	10.0	7.23	
19 Benzo[a]anthracene	228	9.876	9.870	0.006	99	1354741	10.0	8.87	
20 Chrysene	228	9.911	9.906	0.005	98	1265515	10.0	8.62	
21 Benzo[b]fluoranthene	252	10.898	10.893	0.005	98	1302520	10.0	8.89	
22 Benzo[k]fluoranthene	252	10.922	10.916	0.006	98	1286271	10.0	8.71	
23 Benzo[a]pyrene	252	11.192	11.186	0.006	96	1139858	10.0	8.76	
24 Indeno[1,2,3-cd]pyrene	276	12.402	12.391	0.011	97	1138083	10.0	7.56	
25 Dibenz(a,h)anthracene	278	12.426	12.420	0.006	96	981112	10.0	7.97	
26 Benzo[g,h,i]perylene	276	12.737	12.726	0.011	95	1005168	10.0	8.01	

Reagents:

SM-LLISTD_00106 Amount Added: 10.00 Units: uL Run Reagent

Report Date: 12-Sep-2014 10:29:55 Chrom Revision: 2.2 18-Aug-2014 12:17:36

TestAmerica Savannah

Data File: \\SAVCHROM\ChromData\CMSK\20140909-12643.b\1KI0906.D

Injection Date: 09-Sep-2014 11:25:30 Instrument ID: CMSK Operator ID: RM

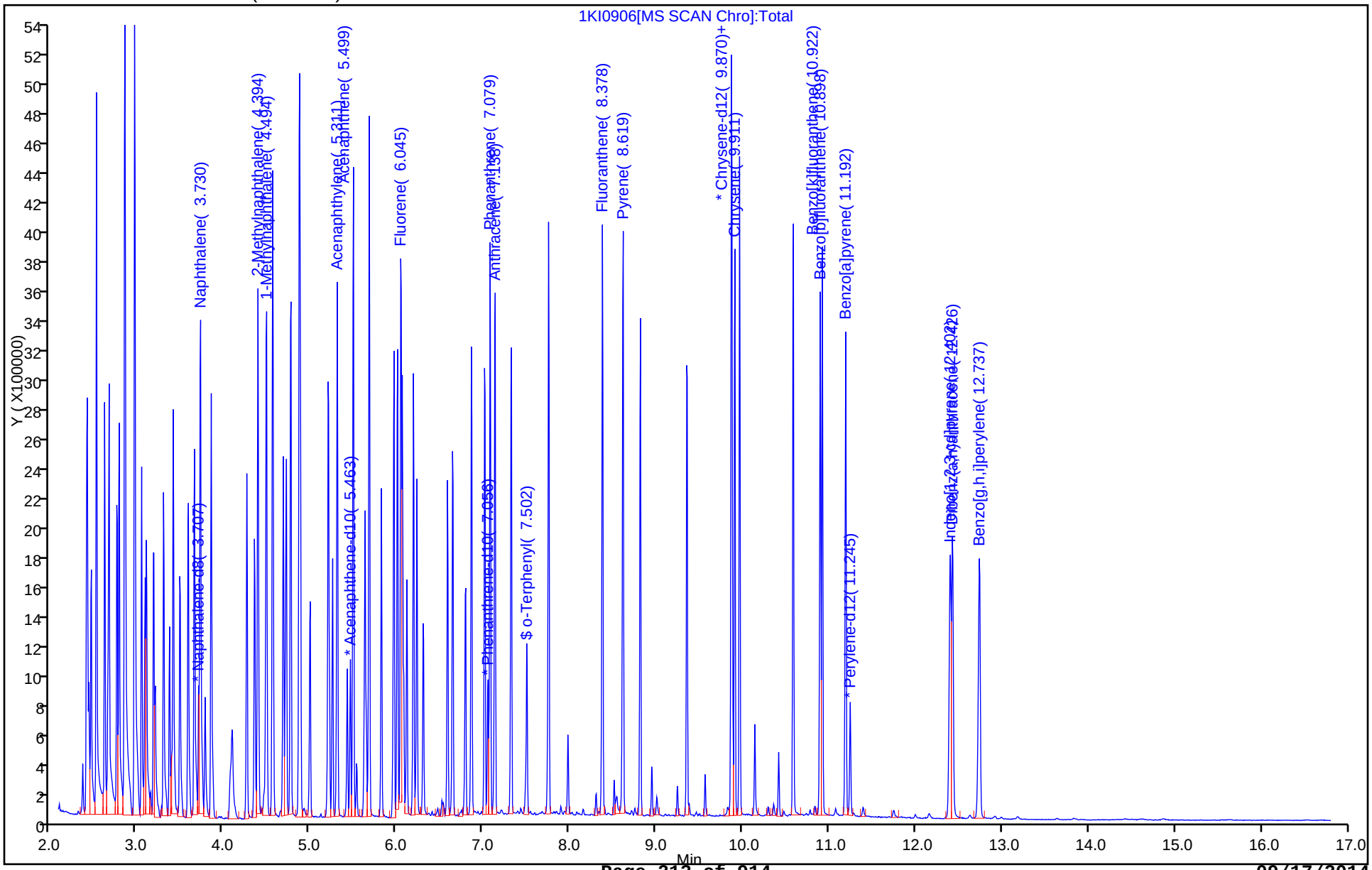
Lims ID: LCS 680-347686/22-A Worklist Smp#: 6

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)



FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Savannah
Job No.: 680-104968-1
SDG No.: 680-104968-01
Client Sample ID:
Lab Sample ID: LCSD 680-347686/25-A
Matrix: Solid
Lab File ID: 1KI0907.D
Analysis Method: 8270D_LL_PAH
Date Collected:
Extract. Method: 3546
Date Extracted: 09/06/2014 12:38
Sample wt/vol: 30.01(g)
Date Analyzed: 09/09/2014 11:48
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.: 347967
Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
83-32-9	Acenaphthene	253		6.7	3.3
208-96-8	Acenaphthylene	247		6.7	3.3
120-12-7	Anthracene	281		6.7	3.3
56-55-3	Benzo[a]anthracene	284		6.7	3.3
50-32-8	Benzo[a]pyrene	271		6.7	1.2
205-99-2	Benzo[b]fluoranthene	265		6.7	3.3
191-24-2	Benzo[g,h,i]perylene	227		6.7	3.3
207-08-9	Benzo[k]fluoranthene	287		6.7	2.0
218-01-9	Chrysene	273		6.7	3.3
53-70-3	Dibenz(a,h)anthracene	230		6.7	3.3
206-44-0	Fluoranthene	303		6.7	3.3
86-73-7	Fluorene	289		6.7	3.3
193-39-5	Indeno[1,2,3-cd]pyrene	227		6.7	3.3
90-12-0	1-Methylnaphthalene	250		6.7	3.1
91-57-6	2-Methylnaphthalene	242		6.7	3.3
91-20-3	Naphthalene	215		6.7	3.3
85-01-8	Phenanthrene	253		6.7	2.4
129-00-0	Pyrene	223		6.7	3.3

CAS NO.	SURROGATE	%REC	Q	LIMITS
84-15-1	o-Terphenyl	56		36-131

TestAmerica Savannah
Target Compound Quantitation Report

Data File: \\SAVCHROM\ChromData\CMSK\20140909-12643.b\1KI0907.D
Lims ID: LCSD 680-347686/25-A
Client ID:
Sample Type: LCSD
Inject. Date: 09-Sep-2014 11:48:30 ALS Bottle#: 7 Worklist Smp#: 7
Injection Vol: 2.0 ul Dil. Factor: 1.0000
Sample Info: LCS 680-347686/25-A
Misc. Info.: 680-0012643-007
Operator ID: RM Instrument ID: CMSK

Method: \\SAVCHROM\ChromData\CMSK\20140909-12643.b\8270_LLPAH_CMSK.m
Limit Group: 8270D_LL_PAH
Last Update: 12-Sep-2014 10:32:34 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: XAWRK027

First Level Reviewer: webbk Date: 09-Sep-2014 13:21:52

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	3.707	3.713	-0.006	97	533112	2.00	2.00	
* 2 Acenaphthene-d10	164	5.464	5.464	0.000	91	277319	2.00	2.00	
* 3 Phenanthrene-d10	188	7.056	7.056	0.000	98	411065	2.00	2.00	
* 4 Chrysene-d12	240	9.882	9.882	0.000	99	398461	2.00	2.00	
* 5 Perylene-d12	264	11.239	11.239	0.000	96	341877	2.00	2.00	
$ 6 o-Terphenyl	230	7.502	7.508	-0.006	88	226344	2.00	1.12	
7 Naphthalene	128	3.730	3.730	0.000	99	1804356	10.0	6.47	
9 2-Methylnaphthalene	142	4.394	4.394	0.000	86	1181692	10.0	7.25	
8 1-Methylnaphthalene	142	4.494	4.494	0.000	93	1147781	10.0	7.52	
11 Acenaphthylene	152	5.311	5.311	0.000	97	1823670	10.0	7.43	
12 Acenaphthene	153	5.499	5.493	0.006	94	1236814	10.0	7.58	
14 Fluorene	166	6.045	6.045	0.000	95	1281736	10.0	8.67	
15 Phenanthrene	178	7.079	7.079	0.000	97	1794808	10.0	7.60	
16 Anthracene	178	7.138	7.132	0.006	99	1820385	10.0	8.43	
17 Fluoranthene	202	8.378	8.378	0.000	98	1950293	10.0	9.10	
18 Pyrene	202	8.619	8.613	0.006	97	2059565	10.0	6.68	
19 Benzo[a]anthracene	228	9.876	9.870	0.006	99	1774765	10.0	8.53	
20 Chrysene	228	9.911	9.906	0.005	98	1637447	10.0	8.18	
21 Benzo[b]fluoranthene	252	10.893	10.893	0.000	98	1655329	10.0	7.95	
22 Benzo[k]fluoranthene	252	10.922	10.916	0.006	98	1805548	10.0	8.61	
23 Benzo[a]pyrene	252	11.192	11.186	0.006	96	1503869	10.0	8.14	
24 Indeno[1,2,3-cd]pyrene	276	12.397	12.391	0.006	98	1406419	10.0	6.80	
25 Dibenz(a,h)anthracene	278	12.420	12.420	0.000	95	1210023	10.0	6.89	
26 Benzo[g,h,i]perylene	276	12.732	12.726	0.006	97	1223456	10.0	6.81	

Reagents:

SM-LLISTD_00106 Amount Added: 10.00 Units: uL Run Reagent

Report Date: 12-Sep-2014 10:54:18 Chrom Revision: 2.2 18-Aug-2014 12:17:36

TestAmerica Savannah

Data File: \\SAVCHROM\ChromData\CMSK\20140909-12643.b\1KI0907.D

Injection Date: 09-Sep-2014 11:48:30 Instrument ID: CMSK Operator ID: RM

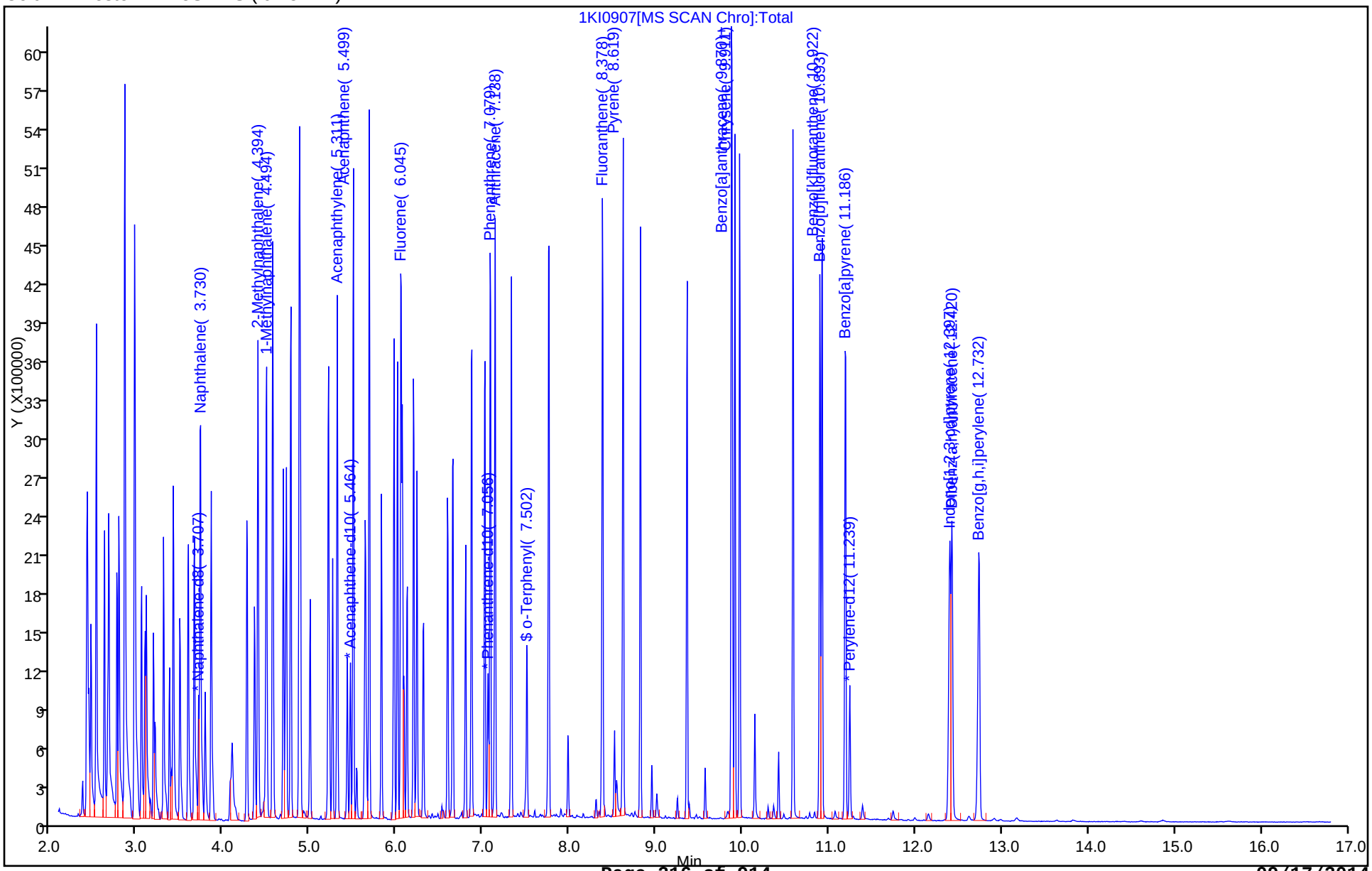
Lims ID: LCSD 680-347686/25-A Worklist Smp#: 7

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)



FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Savannah
Job No.: 680-104968-1
SDG No.: 680-104968-01
Client Sample ID: CV0965C-CS24 MS
Lab Sample ID: 680-104968-4 MS
Matrix: Solid
Lab File ID: 1KI0908.D
Analysis Method: 8270D_LL_PAH
Date Collected: 09/03/2014 15:30
Extract. Method: 3546
Date Extracted: 09/06/2014 12:38
Sample wt/vol: 30.01(g)
Date Analyzed: 09/09/2014 12:11
Con. Extract Vol.: 1(mL)
Dilution Factor: 10
Injection Volume: 2(uL)
Level: (low/med) Low
% Moisture: 11.7
GPC Cleanup:(Y/N) N
Analysis Batch No.: 347967
Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
83-32-9	Acenaphthene	250		76	37
208-96-8	Acenaphthylene	229		76	37
120-12-7	Anthracene	248		76	37
56-55-3	Benzo[a]anthracene	284		76	37
50-32-8	Benzo[a]pyrene	259		76	14
205-99-2	Benzo[b]fluoranthene	300		76	37
191-24-2	Benzo[g,h,i]perylene	266		76	37
207-08-9	Benzo[k]fluoranthene	251		76	23
218-01-9	Chrysene	295		76	37
53-70-3	Dibenz(a,h)anthracene	256		76	37
206-44-0	Fluoranthene	288		76	37
86-73-7	Fluorene	251		76	37
193-39-5	Indeno[1,2,3-cd]pyrene	264		76	37
90-12-0	1-Methylnaphthalene	248		76	35
91-57-6	2-Methylnaphthalene	233		76	37
91-20-3	Naphthalene	230		76	37
85-01-8	Phenanthrene	271		76	27
129-00-0	Pyrene	263		76	37

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\20140909-12643.b\1KI0908.D
Lims ID: 680-104968-A-4-B MS
Client ID: CV0965C-CS24
Sample Type: MS
Inject. Date: 09-Sep-2014 12:11:30 ALS Bottle#: 8 Worklist Smp#: 8
Injection Vol: 2.0 ul Dil. Factor: 10.0000
Sample Info: 680-104968-A-4-B MS
Misc. Info.: 680-0012643-008
Operator ID: RM Instrument ID: CMSK

Method: \\SAVCHROM\ChromData\CMSK\20140909-12643.b\8270_LLPAH_CMSK.m
Limit Group: 8270D_LL_PAH
Last Update: 12-Sep-2014 10:29:51 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: XAWRK027

First Level Reviewer: webbk Date: 09-Sep-2014 13:22:08

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	3.713	3.713	0.000	98	393098	0.2000	2.00	
* 2 Acenaphthene-d10	164	5.458	5.464	-0.006	90	184471	0.2000	2.00	
* 3 Phenanthrene-d10	188	7.050	7.056	-0.006	98	223105	0.2000	2.00	
* 4 Chrysene-d12	240	9.876	9.882	-0.006	97	167741	0.2000	2.00	
* 5 Perylene-d12	264	11.233	11.239	-0.006	96	145313	0.2000	2.00	
7 Naphthalene	128	3.730	3.730	0.000	98	125444	1.00	0.6097	
9 2-Methylnaphthalene	142	4.394	4.394	0.000	84	74196	1.00	0.6177	
8 1-Methylnaphthalene	142	4.494	4.494	0.000	81	73826	1.00	0.6557	
11 Acenaphthylene	152	5.311	5.311	0.000	96	98917	1.00	0.6055	
12 Acenaphthene	153	5.493	5.493	0.000	92	71925	1.00	0.6628	
14 Fluorene	166	6.045	6.045	0.000	81	65253	1.00	0.6638	
15 Phenanthrene	178	7.079	7.079	0.000	87	91937	1.00	0.7168	
16 Anthracene	178	7.132	7.132	0.000	98	77074	1.00	0.6574	
17 Fluoranthene	202	8.378	8.378	0.000	98	88568	1.00	0.7617	
18 Pyrene	202	8.613	8.613	0.000	97	90476	1.00	0.6972	
19 Benzo[a]anthracene	228	9.870	9.870	0.000	93	65946	1.00	0.7527	
20 Chrysene	228	9.905	9.906	-0.001	95	65887	1.00	0.7822	
21 Benzo[b]fluoranthene	252	10.887	10.893	-0.006	97	70375	1.00	0.7956	
22 Benzo[k]fluoranthene	252	10.910	10.916	-0.006	82	59277	1.00	0.6649	
23 Benzo[a]pyrene	252	11.180	11.186	-0.006	93	53892	1.00	0.6860	
24 Indeno[1,2,3-cd]pyrene	276	12.379	12.391	-0.012	93	64579	1.00	0.7004	
25 Dibenz(a,h)anthracene	278	12.408	12.420	-0.012	85	51787	1.00	0.6777	
26 Benzo[g,h,i]perylene	276	12.714	12.726	-0.012	84	55722	1.00	0.7049	

Reagents:

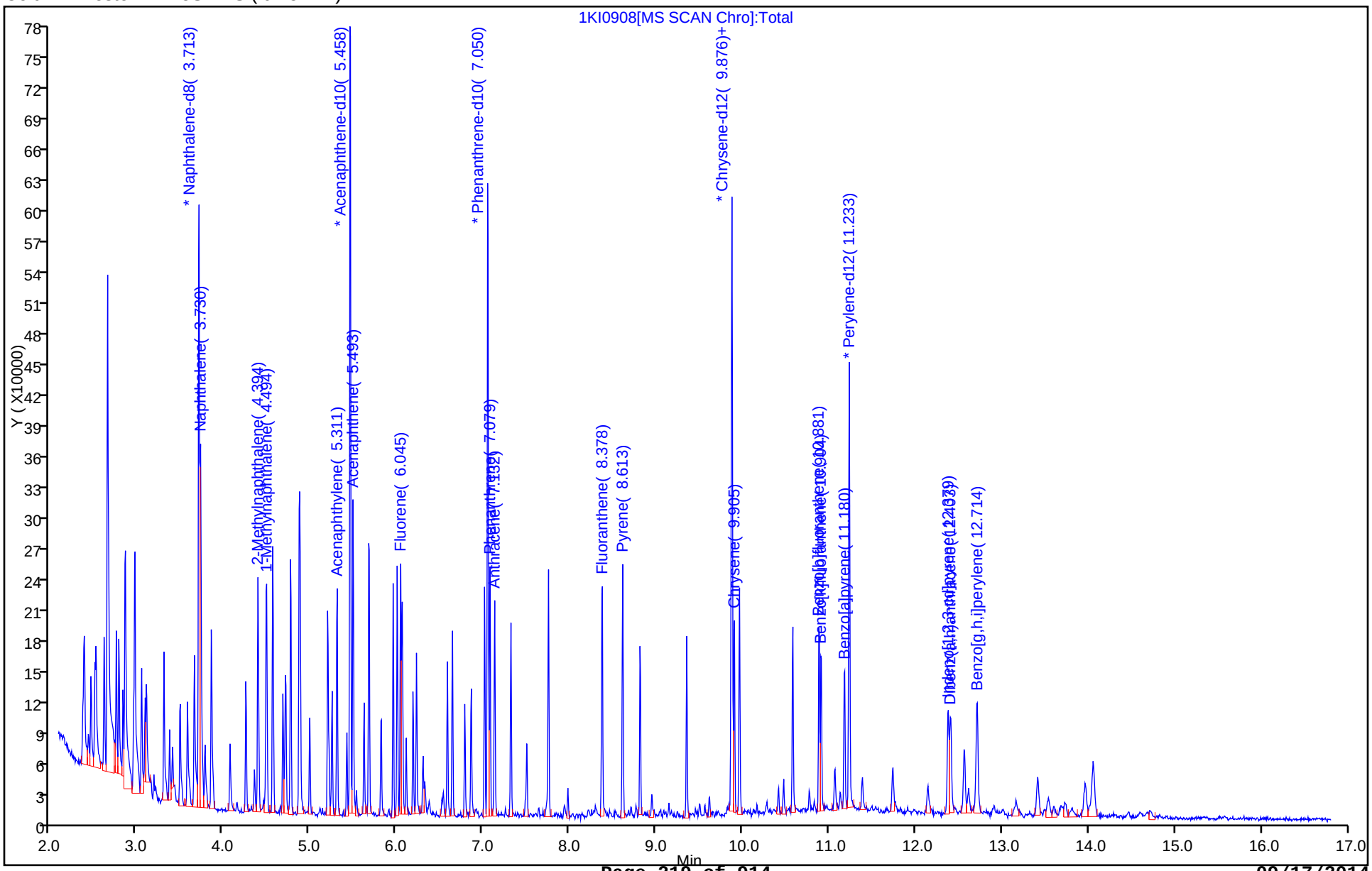
SM-LLISTD_00106 Amount Added: 10.00 Units: uL Run Reagent

Report Date: 12-Sep-2014 10:29:57 Chrom Revision: 2.2 18-Aug-2014 12:17:36

TestAmerica Savannah

Data File:	\\SAVCHROM\ChromData\CMSK\20140909-12643.b\1KI0908.D				
Injection Date:	09-Sep-2014 12:11:30	Instrument ID:	CMSK	Operator ID:	RM
Lims ID:	680-104968-A-4-B MS			Worklist Smp#:	8
Client ID:	CV0965C-CS24				
Injection Vol:	2.0 ul	Dil. Factor:	10.0000	ALS Bottle#:	8
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.: 680-104968-1
SDG No.: 680-104968-01
Client Sample ID:
Lab Sample ID: 680-104968-A-14-B MS
Matrix: Solid
Lab File ID: 1KI0910.D
Analysis Method: 8270D_LL_PAH
Date Collected: 09/04/2014 10:00
Extract. Method: 3546
Date Extracted: 09/06/2014 12:38
Sample wt/vol: 30.02(g)
Date Analyzed: 09/09/2014 12:57
Con. Extract Vol.: 1(mL)
Dilution Factor: 20
Injection Volume: 2(uL)
Level: (low/med) Low
% Moisture: 9.4
GPC Cleanup:(Y/N) N
Analysis Batch No.: 347967
Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
83-32-9	Acenaphthene	184		150	73
208-96-8	Acenaphthylene	170		150	73
120-12-7	Anthracene	183		150	73
56-55-3	Benzo[a]anthracene	220		150	73
50-32-8	Benzo[a]pyrene	182		150	26
205-99-2	Benzo[b]fluoranthene	190		150	73
191-24-2	Benzo[g,h,i]perylene	178		150	73
207-08-9	Benzo[k]fluoranthene	181		150	44
218-01-9	Chrysene	227		150	73
53-70-3	Dibenz(a,h)anthracene	168		150	73
206-44-0	Fluoranthene	212		150	73
86-73-7	Fluorene	181		150	73
193-39-5	Indeno[1,2,3-cd]pyrene	175		150	73
90-12-0	1-Methylnaphthalene	193		150	68
91-57-6	2-Methylnaphthalene	176		150	73
91-20-3	Naphthalene	174		150	73
85-01-8	Phenanthrene	204		150	53
129-00-0	Pyrene	194		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\20140909-12643.b\1KI0910.D
Lims ID: 680-104968-A-14-B MS
Client ID: CV0755B-CS18
Sample Type: MS
Inject. Date: 09-Sep-2014 12:57:30 ALS Bottle#: 10 Worklist Smp#: 10
Injection Vol: 2.0 ul Dil. Factor: 20.0000
Sample Info: 680-104968-A-14-B MS
Misc. Info.: 680-0012643-010
Operator ID: RM Instrument ID: CMSK

Method: \\SAVCHROM\ChromData\CMSK\20140909-12643.b\8270_LLPAH_CMSK.m
Limit Group: 8270D_LL_PAH
Last Update: 12-Sep-2014 10:29:51 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: XAWRK027

First Level Reviewer: webbk Date: 09-Sep-2014 13:44:33

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	3.713	3.713	-0.001	98	456595	0.1000	2.00	
* 2 Acenaphthene-d10	164	5.463	5.464	-0.001	91	220595	0.1000	2.00	
* 3 Phenanthrene-d10	188	7.050	7.056	-0.006	98	271762	0.1000	2.00	
* 4 Chrysene-d12	240	9.876	9.882	-0.006	99	198389	0.1000	2.00	
* 5 Perylene-d12	264	11.245	11.239	0.006	97	174709	0.1000	2.00	
7 Naphthalene	128	3.730	3.730	0.000	98	56612	0.5000	0.2369	
9 2-Methylnaphthalene	142	4.394	4.394	0.000	85	33472	0.5000	0.2399	
8 1-Methylnaphthalene	142	4.488	4.494	-0.006	93	34233	0.5000	0.2618	
11 Acenaphthylene	152	5.311	5.311	0.000	97	45216	0.5000	0.2315	
12 Acenaphthene	153	5.493	5.493	0.000	94	32407	0.5000	0.2497	
14 Fluorene	166	6.045	6.045	0.000	95	28950	0.5000	0.2463	
15 Phenanthrene	178	7.079	7.079	0.000	96	43295	0.5000	0.2771	
16 Anthracene	178	7.132	7.132	0.000	99	35489	0.5000	0.2485	
17 Fluoranthene	202	8.378	8.378	0.000	98	40801	0.5000	0.2881	
18 Pyrene	202	8.613	8.613	0.000	96	40523	0.5000	0.2640	
19 Benzo[a]anthracene	228	9.870	9.870	0.000	99	31068	0.5000	0.2998	
20 Chrysene	228	9.905	9.906	-0.001	99	30817	0.5000	0.3093	
21 Benzo[b]fluoranthene	252	10.892	10.893	-0.001	97	27522	0.5000	0.2588	
22 Benzo[k]fluoranthene	252	10.916	10.916	0.000	97	26399	0.5000	0.2463	
23 Benzo[a]pyrene	252	11.186	11.186	0.000	95	23314	0.5000	0.2468	
24 Indeno[1,2,3-cd]pyrene	276	12.391	12.391	0.000	98	26038	0.5000	0.2378	
25 Dibenz(a,h)anthracene	278	12.420	12.420	0.000	94	21000	0.5000	0.2282	
26 Benzo[g,h,i]perylene	276	12.720	12.726	-0.006	95	23118	0.5000	0.2426	

Reagents:

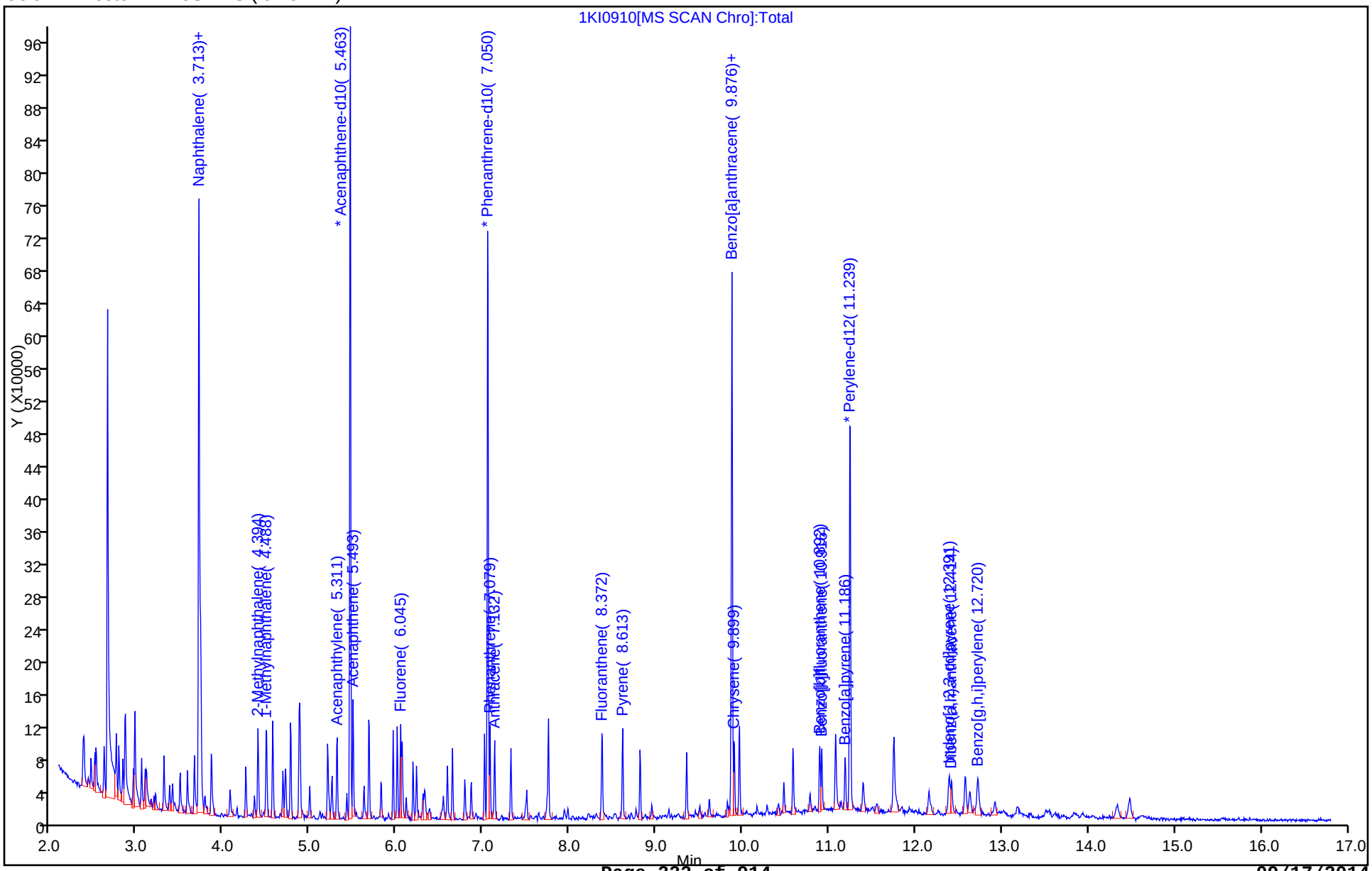
SM-LLISTD_00106 Amount Added: 10.00 Units: uL Run Reagent

Report Date: 12-Sep-2014 10:29:58 Chrom Revision: 2.2 18-Aug-2014 12:17:36

TestAmerica Savannah

Data File:	\\SAVCHROM\ChromData\CMSK\20140909-12643.b\1KI0910.D				
Injection Date:	09-Sep-2014 12:57:30	Instrument ID:	CMSK	Operator ID:	RM
Lims ID:	680-104968-A-14-B MS			Worklist Smp#:	10
Client ID:	CV0755B-CS18				
Injection Vol:	2.0 ul	Dil. Factor:	20.0000	ALS Bottle#:	10
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.: 680-104968-1
SDG No.: 680-104968-01
Client Sample ID: CV0965C-CS24 MSD
Lab Sample ID: 680-104968-4 MSD
Matrix: Solid
Lab File ID: 1KI0909.D
Analysis Method: 8270D_LL_PAH
Date Collected: 09/03/2014 15:30
Extract. Method: 3546
Date Extracted: 09/06/2014 12:38
Sample wt/vol: 30.05(g)
Date Analyzed: 09/09/2014 12:34
Con. Extract Vol.: 1(mL)
Dilution Factor: 10
Injection Volume: 2(uL)
Level: (low/med) Low
% Moisture: 11.7
GPC Cleanup:(Y/N) N
Analysis Batch No.: 347967
Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
83-32-9	Acenaphthene	232		76	37
208-96-8	Acenaphthylene	203		76	37
120-12-7	Anthracene	230		76	37
56-55-3	Benzo[a]anthracene	267		76	37
50-32-8	Benzo[a]pyrene	218		76	14
205-99-2	Benzo[b]fluoranthene	285		76	37
191-24-2	Benzo[g,h,i]perylene	225		76	37
207-08-9	Benzo[k]fluoranthene	246		76	23
218-01-9	Chrysene	282		76	37
53-70-3	Dibenz(a,h)anthracene	201		76	37
206-44-0	Fluoranthene	269		76	37
86-73-7	Fluorene	241		76	37
193-39-5	Indeno[1,2,3-cd]pyrene	211		76	37
90-12-0	1-Methylnaphthalene	241		76	35
91-57-6	2-Methylnaphthalene	229		76	37
91-20-3	Naphthalene	219		76	37
85-01-8	Phenanthrene	248		76	27
129-00-0	Pyrene	250		76	37

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\20140909-12643.b\1KI0909.D
Lims ID: 680-104968-A-4-C MSD
Client ID: CV0965C-CS24
Sample Type: MSD
Inject. Date: 09-Sep-2014 12:34:30 ALS Bottle#: 9 Worklist Smp#: 9
Injection Vol: 2.0 ul Dil. Factor: 10.0000
Sample Info: 680-104968-A-4-C MSD
Misc. Info.: 680-0012643-009
Operator ID: RM Instrument ID: CMSK

Method: \\SAVCHROM\ChromData\CMSK\20140909-12643.b\8270_LLPAH_CMSK.m
Limit Group: 8270D_LL_PAH
Last Update: 12-Sep-2014 10:29:51 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: XAWRK027

First Level Reviewer: webbk Date: 09-Sep-2014 13:43:59

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	3.713	3.713	0.000	98	456586	0.2000	2.00	
* 2 Acenaphthene-d10	164	5.464	5.464	0.000	90	221979	0.2000	2.00	
* 3 Phenanthrene-d10	188	7.050	7.056	-0.006	98	275951	0.2000	2.00	
* 4 Chrysene-d12	240	9.876	9.882	-0.006	98	198708	0.2000	2.00	
* 5 Perylene-d12	264	11.233	11.239	-0.006	96	171715	0.2000	2.00	
7 Naphthalene	128	3.730	3.730	0.000	99	138980	1.00	0.5816	
9 2-Methylnaphthalene	142	4.394	4.394	0.000	85	84637	1.00	0.6066	
8 1-Methylnaphthalene	142	4.488	4.494	-0.006	93	83604	1.00	0.6393	
11 Acenaphthylene	152	5.311	5.311	0.000	97	105579	1.00	0.5371	
12 Acenaphthene	153	5.493	5.493	0.000	94	80213	1.00	0.6143	
14 Fluorene	166	6.045	6.045	0.000	96	75578	1.00	0.6389	
15 Phenanthrene	178	7.079	7.079	0.000	97	104192	1.00	0.6568	
16 Anthracene	178	7.132	7.132	0.000	99	88352	1.00	0.6093	
17 Fluoranthene	202	8.378	8.378	0.000	97	102544	1.00	0.7130	
18 Pyrene	202	8.613	8.613	0.000	96	101755	1.00	0.6619	
19 Benzo[a]anthracene	228	9.870	9.870	0.000	99	73372	1.00	0.7069	
20 Chrysene	228	9.906	9.906	0.000	98	74731	1.00	0.7489	
21 Benzo[b]fluoranthene	252	10.881	10.893	-0.012	97	78926	1.00	0.7551	
22 Benzo[k]fluoranthene	252	10.904	10.916	-0.012	98	68691	1.00	0.6520	
23 Benzo[a]pyrene	252	11.175	11.186	-0.011	94	53741	1.00	0.5789	
24 Indeno[1,2,3-cd]pyrene	276	12.379	12.391	-0.012	97	61338	1.00	0.5608	
25 Dibenz(a,h)anthracene	278	12.409	12.420	-0.011	94	48270	1.00	0.5343	
26 Benzo[g,h,i]perylene	276	12.714	12.726	-0.012	95	55792	1.00	0.5969	

Reagents:

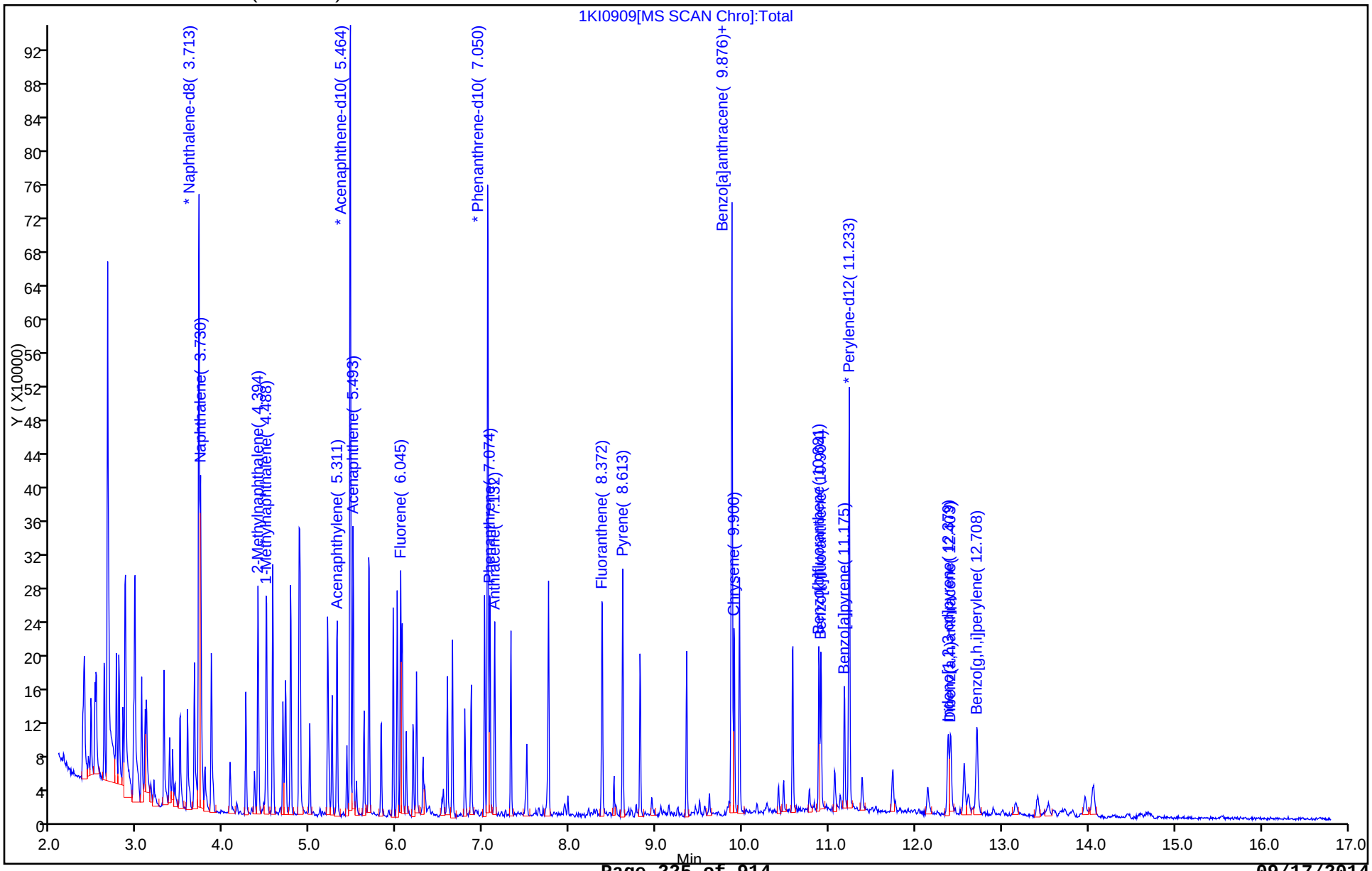
SM-LLISTD_00106 Amount Added: 10.00 Units: uL Run Reagent

Report Date: 12-Sep-2014 10:29:58 Chrom Revision: 2.2 18-Aug-2014 12:17:36

TestAmerica Savannah

Data File:	\\SAVCHROM\ChromData\CMSK\20140909-12643.b\1KI0909.D				
Injection Date:	09-Sep-2014 12:34:30	Instrument ID:	CMSK	Operator ID:	RM
Lims ID:	680-104968-A-4-C MSD			Worklist Smp#:	9
Client ID:	CV0965C-CS24				
Injection Vol:	2.0 ul	Dil. Factor:	10.0000	ALS Bottle#:	9
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.: 680-104968-1
SDG No.: 680-104968-01
Client Sample ID:
Lab Sample ID: 680-104968-A-14-C MSD
Matrix: Solid
Lab File ID: 1KI0911.D
Analysis Method: 8270D_LL_PAH
Date Collected: 09/04/2014 10:00
Extract. Method: 3546
Date Extracted: 09/06/2014 12:38
Sample wt/vol: 30.02(g)
Date Analyzed: 09/09/2014 13:21
Con. Extract Vol.: 1(mL)
Dilution Factor: 20
Injection Volume: 2(uL)
Level: (low/med) Low
% Moisture: 9.4
GPC Cleanup:(Y/N) N
Analysis Batch No.: 347967
Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
83-32-9	Acenaphthene	246		150	73
208-96-8	Acenaphthylene	233		150	73
120-12-7	Anthracene	244		150	73
56-55-3	Benzo[a]anthracene	278		150	73
50-32-8	Benzo[a]pyrene	239		150	26
205-99-2	Benzo[b]fluoranthene	266		150	73
191-24-2	Benzo[g,h,i]perylene	221		150	73
207-08-9	Benzo[k]fluoranthene	259		150	44
218-01-9	Chrysene	319		150	73
53-70-3	Dibenz(a,h)anthracene	208		150	73
206-44-0	Fluoranthene	299		150	73
86-73-7	Fluorene	257		150	73
193-39-5	Indeno[1,2,3-cd]pyrene	209		150	73
90-12-0	1-Methylnaphthalene	276		150	68
91-57-6	2-Methylnaphthalene	256		150	73
91-20-3	Naphthalene	236		150	73
85-01-8	Phenanthrene	265		150	53
129-00-0	Pyrene	263		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\20140909-12643.b\1KI0911.D
Lims ID: 680-104968-A-14-C MSD
Client ID: CV0755B-CS18
Sample Type: MSD
Inject. Date: 09-Sep-2014 13:21:30 ALS Bottle#: 11 Worklist Smp#: 11
Injection Vol: 2.0 ul Dil. Factor: 20.0000
Sample Info: 680-104968-A-14-C MSD
Misc. Info.: 680-0012643-011
Operator ID: RM Instrument ID: CMSK

Method: \\SAVCHROM\ChromData\CMSK\20140909-12643.b\8270_LLPAH_CMSK.m
Limit Group: 8270D_LL_PAH
Last Update: 12-Sep-2014 10:29:51 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: XAWRK027

First Level Reviewer: webbk Date: 09-Sep-2014 13:45:39

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	3.713	3.713	0.000	98	466326	0.1000	2.00	
* 2 Acenaphthene-d10	164	5.464	5.464	0.000	91	228032	0.1000	2.00	
* 3 Phenanthrene-d10	188	7.050	7.056	-0.006	98	292374	0.1000	2.00	
* 4 Chrysene-d12	240	9.876	9.882	-0.006	99	225350	0.1000	2.00	
* 5 Perylene-d12	264	11.233	11.239	-0.006	96	195600	0.1000	2.00	
7 Naphthalene	128	3.730	3.730	0.000	99	78249	0.5000	0.3206	
9 2-Methylnaphthalene	142	4.394	4.394	0.000	87	49657	0.5000	0.3485	
8 1-Methylnaphthalene	142	4.494	4.494	0.000	92	50132	0.5000	0.3753	
11 Acenaphthylene	152	5.311	5.311	0.000	98	63894	0.5000	0.3164	
12 Acenaphthene	153	5.493	5.493	0.000	94	44866	0.5000	0.3345	
14 Fluorene	166	6.045	6.045	0.000	95	42507	0.5000	0.3498	
15 Phenanthrene	178	7.079	7.079	0.000	96	60639	0.5000	0.3608	
16 Anthracene	178	7.132	7.132	0.000	98	51000	0.5000	0.3320	
17 Fluoranthene	202	8.372	8.378	-0.006	97	61962	0.5000	0.4066	
18 Pyrene	202	8.613	8.613	0.000	97	62345	0.5000	0.3576	
19 Benzo[a]anthracene	228	9.870	9.870	0.000	98	44474	0.5000	0.3778	
20 Chrysene	228	9.905	9.906	-0.001	98	49110	0.5000	0.4340	
21 Benzo[b]fluoranthene	252	10.881	10.893	-0.012	98	43074	0.5000	0.3618	
22 Benzo[k]fluoranthene	252	10.904	10.916	-0.012	98	42291	0.5000	0.3524	
23 Benzo[a]pyrene	252	11.175	11.186	-0.011	95	34381	0.5000	0.3251	
24 Indeno[1,2,3-cd]pyrene	276	12.373	12.391	-0.018	94	35318	0.5000	0.2840	
25 Dibenz(a,h)anthracene	278	12.403	12.420	-0.017	95	29097	0.5000	0.2825	
26 Benzo[g,h,i]perylene	276	12.708	12.726	-0.018	95	32024	0.5000	0.3003	

Reagents:

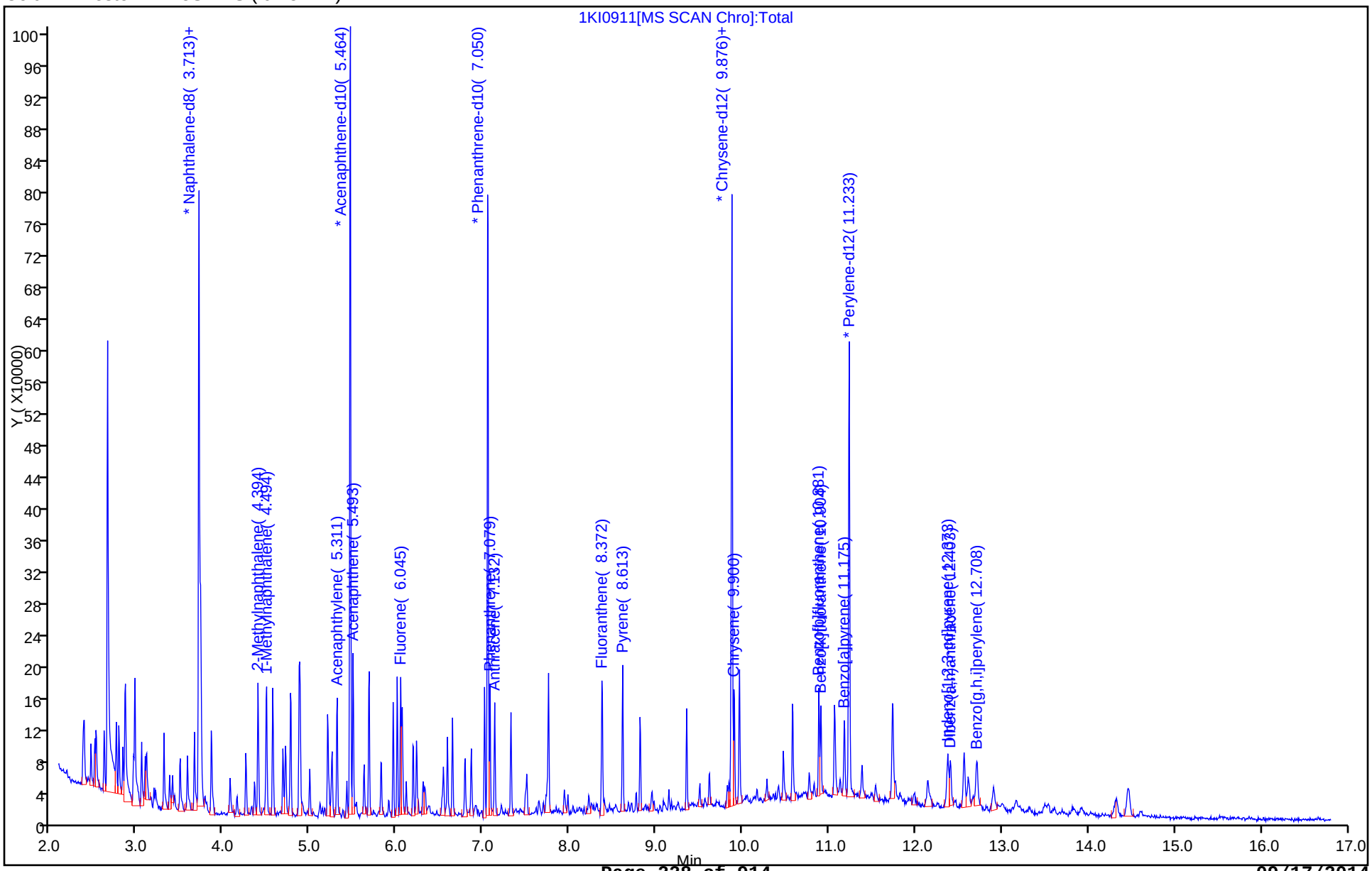
SM-LLISTD_00106 Amount Added: 10.00 Units: uL Run Reagent

Report Date: 12-Sep-2014 10:29:59 Chrom Revision: 2.2 18-Aug-2014 12:17:36

TestAmerica Savannah

Data File:	\\SAVCHROM\ChromData\CMSK\20140909-12643.b\1KI0911.D				
Injection Date:	09-Sep-2014 13:21:30	Instrument ID:	CMSK	Operator ID:	RM
Lims ID:	680-104968-A-14-C MSD			Worklist Smp#:	11
Client ID:	CV0755B-CS18				
Injection Vol:	2.0 ul	Dil. Factor:	20.0000	ALS Bottle#:	11
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.: 680-104968-1

SDG No.: 680-104968-01

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)
ZZZZZ		09/03/2014 16:16	1		RXi- 5Sil MS 0.25(mm)
ZZZZZ		09/03/2014 16:39	1		RXi- 5Sil MS 0.25(mm)
ZZZZZ		09/03/2014 17:03	20		RXi- 5Sil MS 0.25(mm)
ZZZZZ		09/03/2014 17:27	20		RXi- 5Sil MS 0.25(mm)
ZZZZZ		09/03/2014 17:51	20		RXi- 5Sil MS 0.25(mm)
ZZZZZ		09/03/2014 18:15	20		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 ANALYSIS RUN LOG

Lab Name: TestAmerica Savannah Job No.: 680-104968-1

SDG No.: 680-104968-01

Instrument ID: CMSK Start Date: 09/09/2014 09:39

Analysis Batch Number: 347967 End Date: 09/09/2014 21:04

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
DFTPP 680-347967/1		09/09/2014 09:39	1	1KI0901.D	RXi- 5Sil MS 0.25(mm)
CCVIS 680-347967/2		09/09/2014 09:53	1	1KI0902.D	RXi- 5Sil MS 0.25(mm)
RL 680-347967/3		09/09/2014 10:16	1		RXi- 5Sil MS 0.25(mm)
ZZZZZ		09/09/2014 10:39	1		RXi- 5Sil MS 0.25(mm)
MB 680-347686/21-A		09/09/2014 11:02	1	1KI0905.D	RXi- 5Sil MS 0.25(mm)
LCS 680-347686/22-A		09/09/2014 11:25	1	1KI0906.D	RXi- 5Sil MS 0.25(mm)
LCSD 680-347686/25-A		09/09/2014 11:48	1	1KI0907.D	RXi- 5Sil MS 0.25(mm)
680-104968-4 MS	CV0965C-CS24 MS	09/09/2014 12:11	10	1KI0908.D	RXi- 5Sil MS 0.25(mm)
680-104968-4 MSD	CV0965C-CS24 MSD	09/09/2014 12:34	10	1KI0909.D	RXi- 5Sil MS 0.25(mm)
680-104968-A-14-B MS		09/09/2014 12:57	20	1KI0910.D	RXi- 5Sil MS 0.25(mm)
680-104968-A-14-C MSD		09/09/2014 13:21	20	1KI0911.D	RXi- 5Sil MS 0.25(mm)
680-104968-1	CV0965C-CS6	09/09/2014 13:44	20	1KI0912.D	RXi- 5Sil MS 0.25(mm)
680-104968-2	CV0965C-CS12	09/09/2014 14:07	20	1KI0913.D	RXi- 5Sil MS 0.25(mm)
680-104968-3	CV0965C-CS18	09/09/2014 14:30	10	1KI0914.D	RXi- 5Sil MS 0.25(mm)
680-104968-4	CV0965C-CS24	09/09/2014 14:53	10	1KI0915.D	RXi- 5Sil MS 0.25(mm)
680-104968-5	CV0755A-CS6	09/09/2014 15:17	20	1KI0916.D	RXi- 5Sil MS 0.25(mm)
680-104968-6	CV0755A-CSD6	09/09/2014 15:40	20	1KI0917.D	RXi- 5Sil MS 0.25(mm)
680-104968-7	CV0755A-CS12	09/09/2014 16:03	10	1KI0918.D	RXi- 5Sil MS 0.25(mm)
680-104968-8	CV0755A-CS18	09/09/2014 16:26	10	1KI0919.D	RXi- 5Sil MS 0.25(mm)
680-104968-9	CV0755A-CS24	09/09/2014 16:49	10	1KI0920.D	RXi- 5Sil MS 0.25(mm)
680-104968-11	CV0755B-CS6	09/09/2014 17:12	20	1KI0921.D	RXi- 5Sil MS 0.25(mm)
680-104968-12	CV0755B-CS12	09/09/2014 17:36	20	1KI0922.D	RXi- 5Sil MS 0.25(mm)
ZZZZZ		09/09/2014 17:59	20		RXi- 5Sil MS 0.25(mm)
ZZZZZ		09/09/2014 18:22	20		RXi- 5Sil MS 0.25(mm)
ZZZZZ		09/09/2014 18:45	10		RXi- 5Sil MS 0.25(mm)
ZZZZZ		09/09/2014 19:08	20		RXi- 5Sil MS 0.25(mm)
ZZZZZ		09/09/2014 19:31	10		RXi- 5Sil MS 0.25(mm)
ZZZZZ		09/09/2014 19:54	10		RXi- 5Sil MS 0.25(mm)
ZZZZZ		09/09/2014 20:18	10		RXi- 5Sil MS 0.25(mm)
ZZZZZ		09/09/2014 20:41	20		RXi- 5Sil MS 0.25(mm)
ZZZZZ		09/09/2014 21:04	20		RXi- 5Sil MS 0.25(mm)

GC/MS SEMI VOA BATCH WORKSHEET

Lab Name: TestAmerica Savannah Job No.: 680-104968-1

SDG No.: 680-104968-01

Batch Number: 347686 Batch Start Date: 09/06/14 12:38 Batch Analyst: Kicklighter, Jasmine M

Batch Method: 3546 Batch End Date: 09/06/14 13:08

Lab Sample ID	Client Sample I	Method Chain	Basis	InitialAmount	FinalAmount	EX8270SPKL1 00011	LLBNAwkSUR 00077	AnalysisComment	
680-104968-A-1	CV0965C-CS6	3546, 8270D_LL_PAH	T	30.05 g	1 mL		1 mL		
680-104968-A-2	CV0965C-CS12	3546, 8270D_LL_PAH	T	30.01 g	1 mL		1 mL		
680-104968-A-3	CV0965C-CS18	3546, 8270D_LL_PAH	T	30.03 g	1 mL		1 mL		
680-104968-A-4	CV0965C-CS24	3546, 8270D_LL_PAH	T	30.03 g	1 mL		1 mL		
680-104968-A-5	CV0755A-CS6	3546, 8270D_LL_PAH	T	30.04 g	1 mL		1 mL		
680-104968-A-6	CV0755A-CSD6	3546, 8270D_LL_PAH	T	30.03 g	1 mL		1 mL		
680-104968-A-7	CV0755A-CS12	3546, 8270D_LL_PAH	T	30.01 g	1 mL		1 mL		
680-104968-A-8	CV0755A-CS18	3546, 8270D_LL_PAH	T	30.03 g	1 mL		1 mL		
680-104968-A-9	CV0755A-CS24	3546, 8270D_LL_PAH	T	30.05 g	1 mL		1 mL		
680-104968-A-11	CV0755B-CS6	3546, 8270D_LL_PAH	T	30.03 g	1 mL		1 mL		
680-104968-A-12	CV0755B-CS12	3546, 8270D_LL_PAH	T	30.01 g	1 mL		1 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.

GC/MS SEMI VOA BATCH WORKSHEET

Lab Name: TestAmerica Savannah Job No.: 680-104968-1

SDG No.: 680-104968-01

Batch Number: 347686 Batch Start Date: 09/06/14 12:38 Batch Analyst: Kicklighter, Jasmine M

Batch Method: 3546 Batch End Date: 09/06/14 13:08

Lab Sample ID	Client Sample I	Method Chain	Basis	InitialAmount	FinalAmount	EX8270SPKL1 00011	LLBNAwkSUR 00077	AnalysisComment	
MB 680-347686/21		3546, 8270D_LL_PAH		30.02 g	1 mL		1 mL		
LCS 680-347686/22		3546, 8270D_LL_PAH		30.01 g	1 mL	100 uL	1 mL	8270SPIKE	
680-104968-A-4 MS	CV0965C-CS24	3546, 8270D_LL_PAH	T	30.01 g	1 mL	100 uL	1 mL	8270SPIKE	
680-104968-A-4 MSD	CV0965C-CS24	3546, 8270D_LL_PAH	T	30.05 g	1 mL	100 uL	1 mL	8270SPIKE	
LCSD 680-347686/25		3546, 8270D_LL_PAH		30.01 g	1 mL	100 uL	1 mL	8270SPIKE	
680-104968-A-14 MS		3546, 8270D_LL_PAH	T	30.02 g	1 mL	100 uL	1 mL	8270SPIKE	
680-104968-A-14 MSD		3546, 8270D_LL_PAH	T	30.02 g	1 mL	100 uL	1 mL	8270SPIKE	

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.: 680-104968-1

SDG No.: 680-104968-01

Batch Number: 347686 Batch Start Date: 09/06/14 12:38 Batch Analyst: Kicklighter, Jasmine M

Batch Method: 3546 Batch End Date: 09/06/14 13:08

Batch Notes	
Balance ID	30
Batch Comment	8270D_LL BOX LL182
Concentration End Time	1636
Concentration Start Time	1448
Person's name who did the concentration	JMK
Exchange Solvent Lot #	3741201
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	1238
Microwave Stop Time	1308
Na2SO4 Lot Number	3733196
Ottawa Sand Lot #	3731010
Person's name who did the prep	JMK
Person who performed Spike	JMK
Person who witnessed spiking	JS

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: 680-104968-1

SDG No.: 680-104968-01

Project: 35th Avenue Superfund Site

Client Sample ID	Lab Sample ID
CV0965C-CS6	680-104968-1
CV0965C-CS12	680-104968-2
CV0965C-CS18	680-104968-3
CV0965C-CS24	680-104968-4
CV0755A-CS6	680-104968-5
CV0755A-CSD6	680-104968-6
CV0755A-CS12	680-104968-7
CV0755A-CS18	680-104968-8
CV0755A-CS24	680-104968-9
CV0755B-CS4	680-104968-10
CV0755B-CS6	680-104968-11
CV0755B-CS12	680-104968-12

Comments:

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS

Client Sample ID: CV0965C-CS6

Lab Sample ID: 680-104968-1

Lab Name: TestAmerica Savannah

Job No.: 680-104968-1

SDG ID.: 680-104968-01

Matrix: Solid

Date Sampled: 09/03/2014 15:00

Reporting Basis: DRY

Date Received: 09/05/2014 10:05

% Solids: 91.6

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7429-90-5	Aluminum	14000	21	11	mg/Kg			1	6010C
7440-38-2	Arsenic	30	2.1	0.63	mg/Kg			1	6010C
7439-89-6	Iron	48000	21	7.4	mg/Kg			1	6010C
7439-92-1	Lead	440	1.1	0.56	mg/Kg			1	6010C

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS

Client Sample ID: CV0965C-CS12
Lab Sample ID: 680-104968-2
Lab Name: TestAmerica Savannah
Job No.: 680-104968-1
SDG ID.: 680-104968-01
Matrix: Solid
Date Sampled: 09/03/2014 15:10
Reporting Basis: DRY
Date Received: 09/05/2014 10:05
% Solids: 89.7

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	29	2.2	0.64	mg/Kg			1	6010C
7439-89-6	Iron	44000	22	7.7	mg/Kg			1	6010C
7439-92-1	Lead	410	1.1	0.58	mg/Kg			1	6010C

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS

Client Sample ID: CV0965C-CS18

Lab Sample ID: 680-104968-3

Lab Name: TestAmerica Savannah

Job No.: 680-104968-1

SDG ID.: 680-104968-01

Matrix: Solid

Date Sampled: 09/03/2014 15:20

Reporting Basis: DRY

Date Received: 09/05/2014 10:05

% Solids: 89.0

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	22	2.1	0.63	mg/Kg			1	6010C
7439-89-6	Iron	50000	21	7.4	mg/Kg			1	6010C
7439-92-1	Lead	220	11	5.6	mg/Kg			10	6010C

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS

Client Sample ID: CV0965C-CS24

Lab Sample ID: 680-104968-4

Lab Name: TestAmerica Savannah

Job No.: 680-104968-1

SDG ID.: 680-104968-01

Matrix: Solid

Date Sampled: 09/03/2014 15:30

Reporting Basis: DRY

Date Received: 09/05/2014 10:05

% Solids: 88.3

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7429-90-5	Aluminum	14000	23	11	mg/Kg			1	6010C
7440-38-2	Arsenic	20	2.3	0.67	mg/Kg			1	6010C
7439-89-6	Iron	65000	23	7.9	mg/Kg			1	6010C
7439-92-1	Lead	65	1.1	0.60	mg/Kg			1	6010C

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS

Client Sample ID: CV0755A-CS6
Lab Sample ID: 680-104968-5
Lab Name: TestAmerica Savannah
Job No.: 680-104968-1
SDG ID.: 680-104968-01
Matrix: Solid
Date Sampled: 09/04/2014 08:45
Reporting Basis: DRY
Date Received: 09/05/2014 10:05
% Solids: 90.7

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7429-90-5	Aluminum	16000	21	11	mg/Kg			1	6010C
7440-38-2	Arsenic	42	2.1	0.63	mg/Kg			1	6010C
7439-89-6	Iron	65000	21	7.5	mg/Kg			1	6010C
7439-92-1	Lead	3600	11	5.7	mg/Kg			10	6010C

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS

Client Sample ID: CV0755A-CSD6
Lab Sample ID: 680-104968-6
Lab Name: TestAmerica Savannah
Job No.: 680-104968-1
SDG ID.: 680-104968-01
Matrix: Solid
Date Sampled: 09/04/2014 08:50
Reporting Basis: DRY
Date Received: 09/05/2014 10:05
% Solids: 90.1

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7429-90-5	Aluminum	16000	19	9.7	mg/Kg			1	6010C
7440-38-2	Arsenic	39	1.9	0.57	mg/Kg			1	6010C
7439-89-6	Iron	67000	19	6.8	mg/Kg			1	6010C
7439-92-1	Lead	4200	9.7	5.2	mg/Kg			10	6010C

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS

Client Sample ID: CV0755A-CS12
Lab Sample ID: 680-104968-7
Lab Name: TestAmerica Savannah
Job No.: 680-104968-1
SDG ID.: 680-104968-01
Matrix: Solid
Date Sampled: 09/04/2014 08:55
Reporting Basis: DRY
Date Received: 09/05/2014 10:05
% Solids: 93.9

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7429-90-5	Aluminum	15000	20	10	mg/Kg			1	6010C
7440-38-2	Arsenic	28	2.0	0.60	mg/Kg			1	6010C
7439-89-6	Iron	71000	20	7.1	mg/Kg			1	6010C
7439-92-1	Lead	130	1.0	0.54	mg/Kg			1	6010C

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS

Client Sample ID: CV0755A-CS18

Lab Sample ID: 680-104968-8

Lab Name: TestAmerica Savannah

Job No.: 680-104968-1

SDG ID.: 680-104968-01

Matrix: Solid

Date Sampled: 09/04/2014 09:05

Reporting Basis: DRY

Date Received: 09/05/2014 10:05

% Solids: 80.1

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7429-90-5	Aluminum	22000	23	11	mg/Kg			1	6010C
7440-38-2	Arsenic	28	2.3	0.66	mg/Kg			1	6010C
7439-89-6	Iron	86000	23	7.9	mg/Kg			1	6010C
7439-92-1	Lead	79	1.1	0.60	mg/Kg			1	6010C

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS

Client Sample ID: CV0755A-CS24
Lab Sample ID: 680-104968-9
Lab Name: TestAmerica Savannah
Job No.: 680-104968-1
SDG ID.: 680-104968-01
Matrix: Solid
Date Sampled: 09/04/2014 09:15
Reporting Basis: DRY
Date Received: 09/05/2014 10:05
% Solids: 88.4

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7429-90-5	Aluminum	18000	22	11	mg/Kg			1	6010C
7440-38-2	Arsenic	23	2.2	0.65	mg/Kg			1	6010C
7439-89-6	Iron	75000	22	7.8	mg/Kg			1	6010C
7439-92-1	Lead	84	1.1	0.59	mg/Kg			1	6010C

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS

Client Sample ID: CV0755B-CS4
Lab Sample ID: 680-104968-10
Lab Name: TestAmerica Savannah
Job No.: 680-104968-1
SDG ID.: 680-104968-01
Matrix: Solid
Date Sampled: 09/04/2014 09:30
Reporting Basis: DRY
Date Received: 09/05/2014 10:05
% Solids: 88.6

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7429-90-5	Aluminum	13000	19	9.5	mg/Kg			1	6010C
7440-38-2	Arsenic	27	1.9	0.56	mg/Kg			1	6010C
7439-89-6	Iron	42000	19	6.6	mg/Kg			1	6010C
7439-92-1	Lead	340	0.95	0.50	mg/Kg			1	6010C

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS

Client Sample ID: CV0755B-CS6
Lab Sample ID: 680-104968-11
Lab Name: TestAmerica Savannah
Job No.: 680-104968-1
SDG ID.: 680-104968-01
Matrix: Solid
Date Sampled: 09/04/2014 09:40
Reporting Basis: DRY
Date Received: 09/05/2014 10:05
% Solids: 89.3

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7429-90-5	Aluminum	13000	19	9.4	mg/Kg			1	6010C
7440-38-2	Arsenic	28	1.9	0.56	mg/Kg			1	6010C
7439-89-6	Iron	47000	19	6.6	mg/Kg			1	6010C
7439-92-1	Lead	410	0.94	0.50	mg/Kg			1	6010C

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS

Client Sample ID: CV0755B-CS12

Lab Sample ID: 680-104968-12

Lab Name: TestAmerica Savannah

Job No.: 680-104968-1

SDG ID.: 680-104968-01

Matrix: Solid

Date Sampled: 09/04/2014 09:50

Reporting Basis: DRY

Date Received: 09/05/2014 10:05

% Solids: 91.9

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7429-90-5	Aluminum	15000	20	9.8	mg/Kg			1	6010C
7440-38-2	Arsenic	29	2.0	0.58	mg/Kg			1	6010C
7439-89-6	Iron	76000	20	6.9	mg/Kg			1	6010C
7439-92-1	Lead	140	9.8	5.2	mg/Kg			10	6010C

2A-IN
CALIBRATION VERIFICATIONS
METALS

Lab Name: TestAmerica Savannah Job No.: 680-104968-1

SDG No.: 680-104968-01

ICV Source: P_ICV_wk_00228 Concentration Units: ug/L

CCV Source: P_CCV_wk_00127

Analyte	ICV 680-348494/4 09/10/2014 11:21				CCV 680-348494/12 09/10/2014 11:56				CCV 680-348494/192 09/11/2014 01:31			
	Found	C	True	%R	Found	C	True	%R	Found	C	True	%R
Aluminum	1030		1000	103	4960		5000	99	4850		5000	97
Arsenic	998		1000	100	493		500	99	481		500	96
Iron	1010		1000	101	5020		5000	100	4870		5000	97
Lead	1010		1000	101	504		500	101	483		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.: 680-104968-1

SDG No.: 680-104968-01

ICV Source: P_ICV_wk_00228 Concentration Units: ug/L

CCV Source: P_CCV_wk_00127

Analyte	CCV 680-348494/204 09/11/2014 02:25				CCV 680-348494/216 09/11/2014 03:20				CCV 680-348494/228 09/11/2014 04:14			
	Found	C	True	%R	Found	C	True	%R	Found	C	True	%R
Aluminum	4880		5000	98	4880		5000	98	4910		5000	98
Arsenic	481		500	96	473		500	95	475		500	95
Iron	4920		5000	98	4920		5000	98	4920		5000	98
Lead	489		500	98	489		500	98	490		500	98

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

2A-IN
CALIBRATION VERIFICATIONS
METALS

Lab Name: TestAmerica Savannah Job No.: 680-104968-1

SDG No.: 680-104968-01

ICV Source: P_ICV_wk_00228 Concentration Units: ug/L

CCV Source: P_CCV_wk_00127

Analyte	CCV 680-348494/268 09/11/2014 11:51				CCV 680-348494/275 09/11/2014 12:23							
	Found	C	True	%R	Found	C	True	%R	Found	C	True	%R
Aluminum	4860		5000	97	4850		5000	97				
Arsenic	483		500	97	479		500	96				
Iron	4860		5000	97	4840		5000	97				
Lead	487		500	97	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.: 680-104968-1

SDG No.: 680-104968-01

ICV Source: P_ICV_wk_00228 Concentration Units: ug/L

CCV Source: P_CCV_wk_00127

Analyte	ICV 680-348926/4 09/12/2014 09:56				CCV 680-348926/36 09/12/2014 12:19				CCV 680-348926/48 09/12/2014 13:12			
	Found	C	True	%R	Found	C	True	%R	Found	C	True	%R
Lead	1030		1000	103	494		500	99	499		500	100
Aluminum	1040		1000	104	4860		5000	97	4890		5000	98
Arsenic	1010		1000	101	477		500	95	480		500	96
Iron	1010		1000	101	4890		5000	98	4920		5000	98

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.: 680-104968-1

SDG No.: 680-104968-01

Method: 6010C Instrument ID: ICPF

Lab Sample ID: CRI 680-348494/6 Concentration Units: ug/L

CRQL Check Standard Source: P_RL_Int_00034

Analyte	CRQL Check Standard				
	True	Found	Qualifiers	%R(1)	Limits
Aluminum	200	199	J	99	70-130
Arsenic	20.0	20.8		104	70-130
Iron	50.0	200	U	108	70-130
Lead	10.0	10.5		105	70-130

Lab Sample ID: CRI 680-348494/274 Concentration Units: ug/L

CRQL Check Standard Source: P_RL_Int_00034

Analyte	CRQL Check Standard				
	True	Found	Qualifiers	%R(1)	Limits
Aluminum	200	205		102	70-130
Arsenic	20.0	23.6		118	70-130
Iron	50.0	200	U	106	70-130
Lead	10.0	9.82	J	98	70-130

Lab Sample ID: CRI 680-348926/6 Concentration Units: ug/L

CRQL Check Standard Source: P_RL_Int_00034

Analyte	CRQL Check Standard				
	True	Found	Qualifiers	%R(1)	Limits
Aluminum	200	193	J	96	70-130
Arsenic	20.0	21.0		105	70-130
Iron	50.0	200	U	101	70-130
Lead	10.0	9.68	J	97	70-130

Lab Sample ID: CRI 680-348926/251 Concentration Units: ug/L

CRQL Check Standard Source: P_RL_Int_00034

Analyte	CRQL Check Standard				
	True	Found	Qualifiers	%R(1)	Limits
Aluminum	200	196	J	98	70-130
Arsenic	20.0	20.9		105	70-130

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

FORM IIB-IN

2B-IN
CRQL CHECK STANDARD
METALS

Lab Name: TestAmerica Savannah Job No.: 680-104968-1

SDG No.: 680-104968-01

Method: 6010C Instrument ID: ICPF

Lab Sample ID: CRI 680-348926/251 Concentration Units: ug/L

CRQL Check Standard Source: P_RL_Int_00034

Analyte	CRQL Check Standard				
	True	Found	Qualifiers	%R(1)	Limits
Iron	50.0	200	U	111	70-130
Lead	10.0	12.7		127	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.: 680-104968-1

SDG No.: 680-104968-01

Concentration Units: ug/L

Analyte	RL	ICBIS 680-348494/5 09/10/2014 11:25		CCB 680-348494/13 09/10/2014 12:01		CCB 680-348494/193 09/11/2014 01:36		CCB 680-348494/205 09/11/2014 02:30	
		Found	C	Found	C	Found	C	Found	C
Aluminum	200	200	U	200	U	200	U	200	U
Arsenic	20	20	U	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.: 680-104968-1

SDG No.: 680-104968-01

Concentration Units: ug/L

Analyte	RL	CCB 680-348494/217 09/11/2014 03:24		CCB 680-348494/229 09/11/2014 04:18		CCB 680-348494/269 09/11/2014 11:55		CCB 680-348494/276 09/11/2014 12:27	
		Found	C	Found	C	Found	C	Found	C
Aluminum	200	200	U	200	U	200	U	200	U
Arsenic	20	20	U	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.: 680-104968-1

SDG No.: 680-104968-01

Concentration Units: ug/L

Analyte	RL	ICBIS 680-348926/5 09/12/2014 10:00		CCB 680-348926/37 09/12/2014 12:23		CCB 680-348926/49 09/12/2014 13:17			
		Found	C	Found	C	Found	C	Found	C
Lead	10	10	U	10	U	10	U		
Aluminum	200	200	U	200	U	200	U		
Arsenic	20	20	U	20	U	20	U		
Iron	200	200	U	200	U	200	U		

Italicized analytes were not requested for this sequence.

3-IN
METHOD BLANK
METALS

Lab Name: TestAmerica Savannah Job No.: 680-104968-1

SDG No.: 680-104968-01

Concentration Units: mg/Kg Lab Sample ID: MB 680-347754/1-A

Instrument Code: ICPF Batch No.: 348494

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	0.95	U		6010C

4A-IN
INTERFERENCE CHECK STANDARD
METALS

Lab Name: TestAmerica Savannah Job No.: 680-104968-1

SDG No.: 680-104968-01

Lab Sample ID: ICSA 680-348494/7 Instrument ID: ICPF

Lab File ID: F09102014F.csv ICS Source: P_ICSA_wk_00037

Concentration Units: ug/L

Analyte	True Solution A	Found Solution A	Percent Recovery
Aluminum	**500000**	**540558**	**108**
Arsenic		**-8.33**	
Iron	**200000**	**192354**	**96**
Lead		**6.08**	
Antimony		*13.5*	
Barium		*6.55*	
Beryllium		*-0.283*	
Boron		*9.09*	
Cadmium		*4.38*	
Calcium	*500000*	*497817*	*100*
Chromium		*-0.620*	
Cobalt		*-0.167*	
Copper		*3.30*	
Magnesium	*500000*	*524402*	*105*
Manganese		*-0.345*	
Molybdenum		*0.367*	
Nickel		*7.24*	
Potassium		*2.36*	
Selenium		*-4.63*	
Silver		*-0.429*	
Sodium		*724*	
Strontium		*9.42*	
Thallium		*-9.38*	
Tin		*-5.41*	
Titanium		*0.989*	
Vanadium		*1.08*	
Zinc		*6.23*	

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.: 680-104968-1

SDG No.: 680-104968-01

Lab Sample ID: ICSAB 680-348494/8 Instrument ID: ICPF

Lab File ID: F09102014F.csv ICS Source: P_ICSAB_wk_00052

Concentration Units: ug/L

Analyte	True Solution AB	Found Solution AB	Percent Recovery
Aluminum	**500000**	**545672**	**109**
Arsenic	**100**	**91.9**	**92**
Iron	**200000**	**193841**	**97**
Lead	**50.0**	**46.1**	**92**
Antimony	*600*	*637*	*106*
Barium	*500*	*521*	*104*
Beryllium	*500*	*492*	*98*
Boron		*7.79*	
Cadmium	*1000*	*956*	*96*
Calcium	*500000*	*501030*	*100*
Chromium	*500*	*498*	*100*
Cobalt	*500*	*484*	*97*
Copper	*500*	*570*	*114*
Magnesium	*500000*	*528869*	*106*
Manganese	*500*	*523*	*105*
Molybdenum	*1000*	*1003*	*100*
Nickel	*1000*	*958*	*96*
Potassium		*2.14*	
Selenium	*50.0*	*50.2*	*100*
Silver	*200*	*224*	*112*
Sodium		*525*	
Strontium		*9.88*	
Thallium	*100*	*88.1*	*88*
Tin	*1000*	*1008*	*101*
Titanium		*0.350*	
Vanadium	*500*	*502*	*100*
Zinc	*1000*	*958*	*96*

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.: 680-104968-1

SDG No.: 680-104968-01

Lab Sample ID: ICSA 680-348926/7 Instrument ID: ICPF

Lab File ID: F09122014FIN.csv ICS Source: P_ICSA_wk_00037

Concentration Units: ug/L

Analyte	True Solution A	Found Solution A	Percent Recovery
Lead		**7.56**	
Aluminum	*500000*	*541153*	*108*
Antimony		*8.42*	
Arsenic		*-13.2*	
Barium		*3.61*	
Beryllium		*-0.263*	
Boron		*8.61*	
Cadmium		*3.51*	
Calcium	*500000*	*494222*	*99*
Chromium		*-0.923*	
Cobalt		*1.26*	
Copper		*4.34*	
Iron	*200000*	*192065*	*96*
Magnesium	*500000*	*521938*	*104*
Manganese		*-0.0613*	
Molybdenum		*0.225*	
Nickel		*4.12*	
Potassium		*2.01*	
Selenium		*-12.3*	
Silver		*0.0921*	
Sodium		*681*	
Strontium		*9.03*	
Thallium		*1.20*	
Tin		*0.0857*	
Titanium		*1.01*	
Vanadium		*1.19*	
Zinc		*6.11*	

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.: 680-104968-1

SDG No.: 680-104968-01

Lab Sample ID: ICSAB 680-348926/8 Instrument ID: ICPF

Lab File ID: F09122014FIN.csv ICS Source: P_ICSAB_wk_00052

Concentration Units: ug/L

Analyte	True Solution AB	Found Solution AB	Percent Recovery
Lead	**50.0**	**56.4**	**113**
Aluminum	*500000*	*549000*	*110*
Antimony	*600*	*639*	*107*
Arsenic	*100*	*91.7*	*92*
Barium	*500*	*516*	*103*
Beryllium	*500*	*492*	*98*
Boron		*6.94*	
Cadmium	*1000*	*955*	*96*
Calcium	*500000*	*498783*	*100*
Chromium	*500*	*496*	*99*
Cobalt	*500*	*483*	*97*
Copper	*500*	*575*	*115*
Iron	*200000*	*194114*	*97*
Magnesium	*500000*	*528350*	*106*
Manganese	*500*	*522*	*104*
Molybdenum	*1000*	*998*	*100*
Nickel	*1000*	*953*	*95*
Potassium		*1.90*	
Selenium	*50.0*	*57.6*	*115*
Silver	*200*	*225*	*113*
Sodium		*546*	
Strontium		*10.9*	
Thallium	*100*	*84.8*	*85*
Tin	*1000*	*1008*	*101*
Titanium		*0.406*	
Vanadium	*500*	*502*	*100*
Zinc	*1000*	*950*	*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: CV0965C-CS24 MS
Lab ID: 680-104968-4 MS
Lab Name: TestAmerica Savannah
Job No.: 680-104968-1
SDG No.: 680-104968-01
Matrix: Solid
Concentration Units: mg/Kg
% Solids: 88.3

Analyte	SSR	C	Sample Result (SR)	C	Spike Added (SA)	%R	Control Limit %R	Q	Method
Aluminum	15800		14000		561	241	75-125	4	6010C
Arsenic	30.5		20		11.2	94	75-125		6010C
Iron	64300		65000		561	-153	75-125	4	6010C
Lead	44.9		65		5.61	-358	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: CV0965C-CS24 MSD

Lab ID: 680-104968-4 MSD

Lab Name: TestAmerica Savannah

Job No.: 680-104968-1

SDG No.: 680-104968-01

Matrix: Solid

Concentration Units: mg/Kg

% Solids: 88.3

Analyte	(SDR)	C	Spike Added (SA)	%R	Control Limit %R	RPD	RPD Limit	Q	Method
Aluminum	16000		550	277	75-125	1	20	4	6010C
Arsenic	30.9		11.0	100	75-125	1	20		6010C
Iron	57000		550	-1477	75-125	12	20	4	6010C
Lead	54.0		5.50	-200	75-125	18	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: CV0965C-CS24 PDS
Lab ID: 680-104968-4 PDS
Lab Name: TestAmerica Savannah
Job No.: 680-104968-1
SDG No.: 680-104968-01
Matrix: Solid
Concentration Units: mg/Kg

Analyte	SSR	C	Sample Result (SR)	C	Spike Added (SA)	%R	Control Limit %R	Q	Method
Aluminum	14600		14000		227	NC	80-120		6010C
Arsenic	43.3		20		22.7	103	80-120		6010C
Iron	64600		65000		227	NC	80-120		6010C
Lead	87.1		65		22.7	97	80-120		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 680-347754/2-A

Lab Name: TestAmerica Savannah Job No.: 680-104968-1

Sample Matrix: Solid LCS Source: MS_LCS1_WK_00013

Analyte	Solid(mg/Kg)							
	True	Found	C	%R	Limits		Q	Method
Aluminum	446	432		97	75	125		6010C
Arsenic	8.93	8.97		100	75	125		6010C
Iron	446	438		98	75	125		6010C
Lead	4.46	4.38		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: 680-104968-4

SDG No: 680-104968-01

Lab Name: TestAmerica Savannah Job No: 680-104968-1

Matrix: Solid Concentration Units: mg/Kg

Analyte	Initial Sample Result (I)	C	Serial Dilution Result (S)	C	% Difference	Q	Method
Aluminum	14000		14800		1.8		6010C
Arsenic	20		22.0		NC		6010C
Iron	65000		67900		4.3		6010C
Lead	65		68.8		5.9		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: 680-104968-1

SDG Number: 680-104968-01

Matrix: Solid Instrument ID: ICPF

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

Prep Method: 3050B

Analyte	Wavelength/ Mass	RL (mg/Kg)	MDL (mg/Kg)
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: 680-104968-1

SDG Number: 680-104968-01

Matrix: Solid Instrument ID: ICPF

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: 680-104968-1

SDG No.: 680-104968-01

ICP-AES Instrument ID: ICPF Date: 04/24/2014

Analyte	Wave Length	Ag	Al	As	B	Ba	Be	Ca	Cd	Co	Cr	Cu	Fe	K	Mg
Aluminum	308.215														
Antimony	206.834										0.007500				
Arsenic	188.980												-0.000015		
Barium	389.178												0.000087		0.000119
Beryllium	313.042														
Boron	249.678												-0.000050		
Cadmium	226.502												0.000089		
Calcium	370.602												-0.003799		
Chromium	267.716														
Cobalt	228.615												0.000006		
Copper	324.754							-0.000020							
Iron	271.441									0.075000	-0.005000				
Lead	220.353		-0.000042							-0.000300	0.000500		-0.000011		
Magnesium	279.078												-0.000956		
Manganese	257.610												0.000016		0.000041
Molybdenum	202.032												-0.000015		
Nickel	231.604												0.000013		
Potassium	766.491														
Selenium	196.026							0.000015					0.000039		
Silicon															
Silver	328.068										0.000009		-0.000002		
Sodium	330.237												-0.007645		
Strontium	216.596							0.000030					0.000095		
Thallium	190.794		-0.000019							0.001600			-0.000083		
Tin	189.925														
Titanium	334.941														0.000006
Vanadium	292.401										-0.002100		0.000013		
Zinc	206.200										-0.001200		0.000011		

X-IN

10-IN
ICP-AES INTERELEMENT CORRECTION FACTORS
METALS

Lab Name: TestAmerica Savannah Job Number: 680-104968-1

SDG No.: 680-104968-01

ICP-AES Instrument ID: ICPF Date: 04/24/2014

Analyte	Wave Length	Mn	Mo	Na	Ni	Pb	Sb	Se	Si	SiO2	Sn	Sr	Ti	Tl	V
Aluminum	308.215		0.011000												0.009000
Antimony	206.834		-0.020000												
Arsenic	188.980		0.000480												
Barium	389.178		0.000130										0.059100		0.000079
Beryllium	313.042		-0.000060												0.000130
Boron	249.678						0.000970								
Cadmium	226.502														
Calcium	370.602														
Chromium	267.716														-0.000340
Cobalt	228.615		-0.002500										0.001940		
Copper	324.754		0.000400										-0.000400		-0.000300
Iron	271.441														0.009000
Lead	220.353		-0.000800										-0.000300		
Magnesium	279.078														
Manganese	257.610														
Molybdenum	202.032														-0.000080
Nickel	231.604														
Potassium	766.491														
Selenium	196.026	0.000400													
Silicon															
Silver	328.068	0.000069											-0.000019		0.000047
Sodium	330.237												-0.270000		
Strontium	216.596		-0.001600		-0.004400										
Thallium	190.794	0.000300	-0.000700										0.000300		0.001300
Tin	189.925														
Titanium	334.941														
Vanadium	292.401		-0.007500										0.000400		
Zinc	206.200												0.000400		

X-IN

10-IN
ICP-AES INTERELEMENT CORRECTION FACTORS
METALS

Lab Name: TestAmerica Savannah Job Number: 680-104968-1

SDG No.: 680-104968-01

ICP-AES Instrument ID: ICPF Date: 04/24/2014

Analyte	Wave Length	Zn													
Aluminum	308.215														
Antimony	206.834														
Arsenic	188.980														
Barium	389.178														
Beryllium	313.042														
Boron	249.678														
Cadmium	226.502														
Calcium	370.602														
Chromium	267.716														
Cobalt	228.615														
Copper	324.754														
Iron	271.441														
Lead	220.353														
Magnesium	279.078														
Manganese	257.610														
Molybdenum	202.032														
Nickel	231.604														
Potassium	766.491														
Selenium	196.026														
Silicon															
Silver	328.068														
Sodium	330.237	-0.050000													
Strontium	216.596														
Thallium	190.794														
Tin	189.925														
Titanium	334.941														
Vanadium	292.401														
Zinc	206.200														

X-IN

12-IN
PREPARATION LOG
METALS

Lab Name: TestAmerica Savannah Job No.: 680-104968-1

SDG No.: 680-104968-01

Prep Method: 3050B

Lab Sample ID	Preparation Date	Prep Batch	Initial Weight (g)	Initial Volume	Final Volume (mL)
MB 680-347754/1-A	09/08/2014 07:53	347754	1.05		100
LCS 680-347754/2-A	09/08/2014 07:53	347754	1.12		100
680-104968-4	09/08/2014 07:53	347754	1.00		100
680-104968-4 MS	09/08/2014 07:53	347754	1.01		100
680-104968-4 MSD	09/08/2014 07:53	347754	1.03		100
680-104968-1	09/08/2014 07:53	347754	1.03		100
680-104968-2	09/08/2014 07:53	347754	1.02		100
680-104968-3	09/08/2014 07:53	347754	1.06		100
680-104968-5	09/08/2014 07:53	347754	1.03		100
680-104968-6	09/08/2014 07:53	347754	1.14		100
680-104968-7	09/08/2014 07:53	347754	1.05		100
680-104968-8	09/08/2014 07:53	347754	1.11		100
680-104968-9	09/08/2014 07:53	347754	1.02		100
680-104968-10	09/08/2014 07:53	347754	1.19		100
680-104968-11	09/08/2014 07:53	347754	1.19		100
680-104968-12	09/08/2014 07:53	347754	1.11		100

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: TestAmerica Savannah Job No.: 680-104968-1

SDG No.: 680-104968-01

Instrument ID: ICPF Method: 6010C

Start Date: 09/10/2014 11:07 End Date: 09/11/2014 12:27

Lab Sample ID	D/F	Type	Time	Analytes																			
				Al	As	Fe	Pb																
ZZZZZZ			11:07																				
ZZZZZZ			11:12																				
ZZZZZZ			11:16																				
ICV 680-348494/4	1		11:21	X	X	X	X																
ICBIS 680-348494/5	1		11:25	X	X	X	X																
CRI 680-348494/6	1		11:30	X	X	X	X																
ICSA 680-348494/7	1		11:34	X	X	X	X																
ICSAB 680-348494/8	1		11:39	X	X	X	X																
ZZZZZZ			11:43																				
ZZZZZZ			11:48																				
ZZZZZZ			11:52																				
CCV 680-348494/12	1		11:56	X	X	X	X																
CCB 680-348494/13	1		12:01	X	X	X	X																
ZZZZZZ			12:05																				
ZZZZZZ			12:10																				
ZZZZZZ			12:14																				
ZZZZZZ			12:19																				
ZZZZZZ			12:23																				
ZZZZZZ			12:28																				
ZZZZZZ			12:32																				
ZZZZZZ			12:37																				
ZZZZZZ			12:41																				
ZZZZZZ			12:46																				
CCV 680-348494/24			12:50																				
CCB 680-348494/25			12:56																				
ZZZZZZ			13:00																				
ZZZZZZ			13:05																				
ZZZZZZ			13:09																				
ZZZZZZ			13:13																				
ZZZZZZ			13:18																				
ZZZZZZ			13:22																				
ZZZZZZ			13:27																				
ZZZZZZ			13:31																				
ZZZZZZ			13:36																				
ZZZZZZ			13:40																				
CCV 680-348494/36			13:45																				
CCB 680-348494/37			13:49																				
ZZZZZZ			13:54																				
ZZZZZZ			13:58																				
ZZZZZZ			14:03																				
ZZZZZZ			14:07																				
ZZZZZZ			14:11																				

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: TestAmerica Savannah Job No.: 680-104968-1

SDG No.: 680-104968-01

Instrument ID: ICPF Method: 6010C

Start Date: 09/10/2014 11:07 End Date: 09/11/2014 12:27

Lab Sample ID	D/F	Type	Time	Analytes																			
				Al	As	Fe	Pb																
ZZZZZZ			14:16																				
ZZZZZZ			14:20																				
ZZZZZZ			14:25																				
ZZZZZZ			14:29																				
ZZZZZZ			14:34																				
CCV 680-348494/48			14:38																				
CCB 680-348494/49			14:43																				
ZZZZZZ			14:47																				
ZZZZZZ			14:52																				
ZZZZZZ			14:56																				
ZZZZZZ			15:01																				
ZZZZZZ			15:05																				
ZZZZZZ			15:09																				
ZZZZZZ			15:14																				
ZZZZZZ			15:18																				
ZZZZZZ			15:23																				
ZZZZZZ			15:27																				
CCV 680-348494/60			15:32																				
CCB 680-348494/61			15:36																				
ZZZZZZ			15:41																				
ZZZZZZ			15:45																				
ZZZZZZ			15:50																				
ZZZZZZ			15:54																				
ZZZZZZ			15:59																				
ZZZZZZ			16:03																				
ZZZZZZ			16:08																				
ZZZZZZ			16:12																				
ZZZZZZ			16:16																				
ZZZZZZ			16:21																				
CCV 680-348494/72			16:25																				
CCB 680-348494/73			16:30																				
ZZZZZZ			16:34																				
ZZZZZZ			16:39																				
ZZZZZZ			16:43																				
ZZZZZZ			16:48																				
ZZZZZZ			16:52																				
ZZZZZZ			16:57																				
ZZZZZZ			17:01																				
ZZZZZZ			17:06																				
ZZZZZZ			17:10																				
ZZZZZZ			17:15																				
CCV 680-348494/84			17:19																				

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: TestAmerica Savannah Job No.: 680-104968-1

SDG No.: 680-104968-01

Instrument ID: ICPF Method: 6010C

Start Date: 09/10/2014 11:07 End Date: 09/11/2014 12:27

Lab Sample ID	D/F	Type	Time	Analytes																			
				Al	As	Fe	Pb																
CCB 680-348494/85			17:23																				
ZZZZZZ			17:36																				
ZZZZZZ			17:41																				
ZZZZZZ			17:45																				
ZZZZZZ			17:50																				
ZZZZZZ			17:54																				
ZZZZZZ			17:58																				
ZZZZZZ			18:03																				
ZZZZZZ			18:07																				
ZZZZZZ			18:12																				
ZZZZZZ			18:16																				
CCV 680-348494/96			18:21																				
CCB 680-348494/97			18:25																				
ZZZZZZ			18:30																				
ZZZZZZ			18:34																				
ZZZZZZ			18:39																				
ZZZZZZ			18:43																				
ZZZZZZ			18:48																				
ZZZZZZ			18:52																				
ZZZZZZ			18:57																				
ZZZZZZ			19:01																				
ZZZZZZ			19:06																				
ZZZZZZ			19:10																				
CCV 680-348494/108			19:15																				
CCB 680-348494/109			19:19																				
ZZZZZZ			19:23																				
ZZZZZZ			19:28																				
ZZZZZZ			19:32																				
ZZZZZZ			19:37																				
ZZZZZZ			19:41																				
ZZZZZZ			19:46																				
ZZZZZZ			19:50																				
ZZZZZZ			19:55																				
ZZZZZZ			19:59																				
ZZZZZZ			20:04																				
CCV 680-348494/120			20:08																				
CCB 680-348494/121			20:13																				
ZZZZZZ			20:17																				
ZZZZZZ			20:22																				
ZZZZZZ			20:26																				
ZZZZZZ			20:31																				
ZZZZZZ			20:35																				

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: TestAmerica Savannah Job No.: 680-104968-1

SDG No.: 680-104968-01

Instrument ID: ICPF Method: 6010C

Start Date: 09/10/2014 11:07 End Date: 09/11/2014 12:27

Lab Sample ID	D/F	Type	Time	Analytes																			
				Al	As	Fe	Pb																
ZZZZZZ			20:40																				
ZZZZZZ			20:44																				
ZZZZZZ			20:48																				
ZZZZZZ			20:53																				
ZZZZZZ			20:57																				
CCV 680-348494/132			21:02																				
CCB 680-348494/133			21:06																				
ZZZZZZ			21:11																				
ZZZZZZ			21:15																				
ZZZZZZ			21:20																				
ZZZZZZ			21:24																				
ZZZZZZ			21:29																				
ZZZZZZ			21:33																				
ZZZZZZ			21:38																				
ZZZZZZ			21:42																				
ZZZZZZ			21:47																				
ZZZZZZ			21:51																				
CCV 680-348494/144			21:56																				
CCB 680-348494/145			22:00																				
ZZZZZZ			22:05																				
ZZZZZZ			22:09																				
ZZZZZZ			22:14																				
ZZZZZZ			22:18																				
ZZZZZZ			22:23																				
ZZZZZZ			22:27																				
ZZZZZZ			22:32																				
ZZZZZZ			22:36																				
ZZZZZZ			22:41																				
ZZZZZZ			22:45																				
CCV 680-348494/156			22:50																				
CCB 680-348494/157			22:54																				
ZZZZZZ			22:58																				
ZZZZZZ			23:03																				
ZZZZZZ			23:07																				
ZZZZZZ			23:12																				
ZZZZZZ			23:16																				
ZZZZZZ			23:21																				
ZZZZZZ			23:25																				
ZZZZZZ			23:30																				
ZZZZZZ			23:34																				
ZZZZZZ			23:39																				
CCV 680-348494/168			23:43																				

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: TestAmerica Savannah Job No.: 680-104968-1

SDG No.: 680-104968-01

Instrument ID: ICPF Method: 6010C

Start Date: 09/10/2014 11:07 End Date: 09/11/2014 12:27

Lab Sample ID	D/F	Type	Time	Analytes																			
				Al	As	Fe	Pb																
CCB 680-348494/169			23:48																				
ZZZZZZ			23:52																				
ZZZZZZ			23:57																				
ZZZZZZ			00:01																				
ZZZZZZ			00:06																				
ZZZZZZ			00:10																				
ZZZZZZ			00:15																				
ZZZZZZ			00:19																				
ZZZZZZ			00:24																				
ZZZZZZ			00:28																				
ZZZZZZ			00:33																				
CCV 680-348494/180			00:37																				
CCB 680-348494/181			00:42																				
ZZZZZZ			00:46																				
ZZZZZZ			00:51																				
ZZZZZZ			00:55																				
ZZZZZZ			01:00																				
ZZZZZZ			01:04																				
ZZZZZZ			01:09																				
ZZZZZZ			01:13																				
ZZZZZZ			01:18																				
ZZZZZZ			01:22																				
ZZZZZZ			01:27																				
CCV 680-348494/192	1		01:31	X	X	X	X																
CCB 680-348494/193	1		01:36	X	X	X	X																
ZZZZZZ			01:40																				
ZZZZZZ			01:45																				
ZZZZZZ			01:49																				
ZZZZZZ			01:54																				
ZZZZZZ			01:58																				
ZZZZZZ			02:03																				
ZZZZZZ			02:07																				
MB 680-347754/1-A	1	T	02:12	X	X	X	X																
LCS 680-347754/2-A	1	T	02:16	X	X	X	X																
680-104968-4	1	T	02:21	X	X	X	X																
CCV 680-348494/204	1		02:25	X	X	X	X																
CCB 680-348494/205	1		02:30	X	X	X	X																
680-104968-4 SD	5	T	02:35	X	X	X	X																
680-104968-4 PDS	1	T	02:39	X	X	X	X																
680-104968-4 MS	1	T	02:44	X	X	X	X																
680-104968-4 MSD	1	T	02:48	X	X	X	X																
680-104968-1	1	T	02:53	X	X	X	X																

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: TestAmerica Savannah Job No.: 680-104968-1

SDG No.: 680-104968-01

Instrument ID: ICPF Method: 6010C

Start Date: 09/10/2014 11:07 End Date: 09/11/2014 12:27

Lab Sample ID	D/F	Type	Time	Analytes																			
				Al	As	Fe	Pb																
680-104968-2	1	T	02:57	X	X	X	X																
680-104968-3	1	T	03:02	X	X	X																	
680-104968-5	1	T	03:06	X	X	X																	
680-104968-6	1	T	03:11	X	X	X																	
680-104968-7	1	T	03:15	X	X	X	X																
CCV 680-348494/216	1		03:20	X	X	X	X																
CCB 680-348494/217	1		03:24	X	X	X	X																
680-104968-8	1	T	03:29	X	X	X	X																
680-104968-9	1	T	03:33	X	X	X	X																
680-104968-10	1	T	03:38	X	X	X	X																
680-104968-11	1	T	03:42	X	X	X	X																
680-104968-12	1	T	03:47	X	X	X																	
ZZZZZZ			03:51																				
ZZZZZZ			03:56																				
ZZZZZZ			04:00																				
ZZZZZZ			04:05																				
ZZZZZZ			04:09																				
CCV 680-348494/228	1		04:14	X	X	X	X																
CCB 680-348494/229	1		04:18	X	X	X	X																
ZZZZZZ			04:23																				
ZZZZZZ			04:27																				
ZZZZZZ			04:32																				
ZZZZZZ			04:36																				
ZZZZZZ			04:41																				
CCV 680-348494/235			04:45																				
CCB 680-348494/236			04:50																				
CCV 680-348494/237			09:11																				
CCB 680-348494/238			09:16																				
ZZZZZZ			09:20																				
ZZZZZZ			09:25																				
ZZZZZZ			09:29																				
ZZZZZZ			09:36																				
ZZZZZZ			09:41																				
CCV 680-348494/244			09:47																				
CCB 680-348494/245			09:52																				
ZZZZZZ			10:11																				
ZZZZZZ			10:15																				
ZZZZZZ			10:20																				
ZZZZZZ			10:24																				
ZZZZZZ			10:29																				
ZZZZZZ			10:33																				
ZZZZZZ			10:38																				

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: TestAmerica Savannah Job No.: 680-104968-1

SDG No.: 680-104968-01

Instrument ID: ICPF Method: 6010C

Start Date: 09/10/2014 11:07 End Date: 09/11/2014 12:27

Lab Sample ID	D/F	Type	Time	Analytes																			
				Al	As	Fe	Pb																
ZZZZZZ			10:42																				
ZZZZZZ			10:47																				
ZZZZZZ			10:51																				
CCV 680-348494/256			10:55																				
CCB 680-348494/257			11:00																				
ZZZZZZ			11:04																				
ZZZZZZ			11:09																				
ZZZZZZ			11:13																				
ZZZZZZ			11:18																				
ZZZZZZ			11:24																				
ZZZZZZ			11:28																				
ZZZZZZ			11:33																				
ZZZZZZ			11:37																				
ZZZZZZ			11:42																				
ZZZZZZ			11:46																				
CCV 680-348494/268	1		11:51	X	X	X	X																
CCB 680-348494/269	1		11:55	X	X	X	X																
ZZZZZZ			12:00																				
ZZZZZZ			12:04																				
ZZZZZZ			12:09																				
ZZZZZZ			12:13																				
CRI 680-348494/274	1		12:18	X	X	X	X																
CCV 680-348494/275	1		12:23	X	X	X	X																
CCB 680-348494/276	1		12:27	X	X	X	X																

Prep Types

T = Total/NA

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: TestAmerica Savannah Job No.: 680-104968-1

SDG No.: 680-104968-01

Instrument ID: ICPF Method: 6010C

Start Date: 09/12/2014 09:42 End Date: 09/13/2014 05:02

Lab Sample ID	D/F	Type	Time	Analytes																			
				Pb																			
ZZZZZZ			09:42																				
ZZZZZZ			09:47																				
ZZZZZZ			09:51																				
ICV 680-348926/4	1		09:56	X																			
ICBIS 680-348926/5	1		10:00	X																			
CRI 680-348926/6	1		10:05	X																			
ICSA 680-348926/7	1		10:09	X																			
ICSAB 680-348926/8	1		10:14	X																			
ZZZZZZ			10:18																				
ZZZZZZ			10:23																				
ZZZZZZ			10:27																				
CCV 680-348926/12			10:31																				
CCB 680-348926/13			10:36																				
ZZZZZZ			10:40																				
ZZZZZZ			10:45																				
ZZZZZZ			10:49																				
ZZZZZZ			10:54																				
ZZZZZZ			10:58																				
ZZZZZZ			11:03																				
ZZZZZZ			11:07																				
ZZZZZZ			11:12																				
ZZZZZZ			11:16																				
ZZZZZZ			11:21																				
CCV 680-348926/24			11:25																				
CCB 680-348926/25			11:30																				
ZZZZZZ			11:34																				
ZZZZZZ			11:38																				
ZZZZZZ			11:43																				
ZZZZZZ			11:47																				
ZZZZZZ			11:52																				
ZZZZZZ			11:56																				
ZZZZZZ			12:01																				
ZZZZZZ			12:05																				
ZZZZZZ			12:10																				
ZZZZZZ			12:14																				
CCV 680-348926/36	1		12:19	X																			
CCB 680-348926/37	1		12:23	X																			
ZZZZZZ			12:27																				
ZZZZZZ			12:32																				
680-104968-3	10	T	12:36	X																			
680-104968-5	10	T	12:41	X																			
680-104968-6	10	T	12:45	X																			

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: TestAmerica Savannah Job No.: 680-104968-1

SDG No.: 680-104968-01

Instrument ID: ICPF Method: 6010C

Start Date: 09/12/2014 09:42 End Date: 09/13/2014 05:02

Lab Sample ID	D/F	Type	Time	Analytes																			
				Pb																			
680-104968-12	10	T	12:50	X																			
ZZZZZZ			12:54																				
ZZZZZZ			12:59																				
ZZZZZZ			13:03																				
ZZZZZZ			13:08																				
CCV 680-348926/48	1		13:12	X																			
CCB 680-348926/49	1		13:17	X																			
ZZZZZZ			13:21																				
ZZZZZZ			13:25																				
ZZZZZZ			13:30																				
ZZZZZZ			13:34																				
ZZZZZZ			13:39																				
ZZZZZZ			13:51																				
ZZZZZZ			13:56																				
ZZZZZZ			14:00																				
ZZZZZZ			14:04																				
ZZZZZZ			14:09																				
CCV 680-348926/60			14:13																				
CCB 680-348926/61			14:18																				
ZZZZZZ			14:22																				
ZZZZZZ			14:27																				
ZZZZZZ			14:31																				
ZZZZZZ			14:36																				
ZZZZZZ			14:40																				
ZZZZZZ			14:45																				
ZZZZZZ			14:49																				
ZZZZZZ			14:54																				
ZZZZZZ			14:58																				
ZZZZZZ			15:03																				
CCV 680-348926/72			15:07																				
CCB 680-348926/73			15:11																				
ZZZZZZ			15:16																				
ZZZZZZ			15:20																				
ZZZZZZ			15:25																				
ZZZZZZ			15:29																				
ZZZZZZ			15:34																				
ZZZZZZ			15:38																				
ZZZZZZ			15:43																				
ZZZZZZ			15:47																				
ZZZZZZ			15:52																				
ZZZZZZ			15:56																				
CCV 680-348926/84			16:01																				

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: TestAmerica Savannah Job No.: 680-104968-1

SDG No.: 680-104968-01

Instrument ID: ICPF Method: 6010C

Start Date: 09/12/2014 09:42 End Date: 09/13/2014 05:02

Lab Sample ID	D/F	Type	Time	Analytes																			
				Pb																			
CCB 680-348926/85			16:05																				
ZZZZZZ			16:09																				
ZZZZZZ			16:14																				
ZZZZZZ			16:18																				
ZZZZZZ			16:23																				
ZZZZZZ			16:32																				
ZZZZZZ			16:36																				
ZZZZZZ			16:41																				
ZZZZZZ			16:45																				
ZZZZZZ			16:50																				
ZZZZZZ			16:54																				
CCV 680-348926/96			16:59																				
CCB 680-348926/97			17:03																				
ZZZZZZ			17:08																				
ZZZZZZ			17:12																				
ZZZZZZ			17:17																				
ZZZZZZ			17:21																				
ZZZZZZ			17:26																				
ZZZZZZ			17:30																				
ZZZZZZ			17:35																				
ZZZZZZ			17:39																				
ZZZZZZ			17:43																				
ZZZZZZ			17:48																				
CCV 680-348926/108			17:52																				
CCB 680-348926/109			17:57																				
ZZZZZZ			18:01																				
ZZZZZZ			18:06																				
ZZZZZZ			18:10																				
ZZZZZZ			18:15																				
ZZZZZZ			18:19																				
ZZZZZZ			18:24																				
ZZZZZZ			18:28																				
ZZZZZZ			18:33																				
ZZZZZZ			18:37																				
ZZZZZZ			18:42																				
CCV 680-348926/120			18:46																				
CCB 680-348926/121			18:51																				
ZZZZZZ			18:55																				
ZZZZZZ			19:00																				
ZZZZZZ			19:04																				
ZZZZZZ			19:08																				
ZZZZZZ			19:13																				

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: TestAmerica Savannah Job No.: 680-104968-1

SDG No.: 680-104968-01

Instrument ID: ICPF Method: 6010C

Start Date: 09/12/2014 09:42 End Date: 09/13/2014 05:02

Lab Sample ID	D/F	Type	Time	Analytes																			
				Pb																			
ZZZZZZ			19:17																				
ZZZZZZ			19:22																				
ZZZZZZ			19:26																				
ZZZZZZ			19:31																				
ZZZZZZ			19:35																				
CCV 680-348926/132			19:40																				
CCB 680-348926/133			19:44																				
ZZZZZZ			19:49																				
ZZZZZZ			19:53																				
ZZZZZZ			19:58																				
ZZZZZZ			20:02																				
ZZZZZZ			20:07																				
ZZZZZZ			20:11																				
ZZZZZZ			20:16																				
ZZZZZZ			20:20																				
ZZZZZZ			20:25																				
ZZZZZZ			20:29																				
CCV 680-348926/144			20:34																				
CCB 680-348926/145			20:38																				
ZZZZZZ			20:43																				
ZZZZZZ			20:47																				
ZZZZZZ			20:52																				
ZZZZZZ			20:56																				
ZZZZZZ			21:01																				
ZZZZZZ			21:05																				
ZZZZZZ			21:09																				
ZZZZZZ			21:14																				
ZZZZZZ			21:18																				
ZZZZZZ			21:23																				
CCV 680-348926/156			21:27																				
CCB 680-348926/157			21:32																				
ZZZZZZ			21:36																				
ZZZZZZ			21:41																				
ZZZZZZ			21:45																				
ZZZZZZ			21:50																				
ZZZZZZ			21:54																				
ZZZZZZ			21:59																				
ZZZZZZ			22:03																				
ZZZZZZ			22:08																				
ZZZZZZ			22:12																				
ZZZZZZ			22:17																				
CCV 680-348926/168			22:21																				

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: TestAmerica Savannah Job No.: 680-104968-1

SDG No.: 680-104968-01

Instrument ID: ICPF Method: 6010C

Start Date: 09/12/2014 09:42 End Date: 09/13/2014 05:02

Lab Sample ID	D/F	Type	Time	Analytes																			
				Pb																			
CCB 680-348926/169			22:26																				
ZZZZZZ			22:30																				
ZZZZZZ			22:35																				
ZZZZZZ			22:39																				
ZZZZZZ			22:44																				
ZZZZZZ			22:48																				
ZZZZZZ			22:53																				
ZZZZZZ			22:57																				
ZZZZZZ			23:02																				
ZZZZZZ			23:06																				
ZZZZZZ			23:11																				
CCV 680-348926/180			23:15																				
CCB 680-348926/181			23:20																				
ZZZZZZ			23:24																				
ZZZZZZ			23:29																				
ZZZZZZ			23:33																				
ZZZZZZ			23:38																				
ZZZZZZ			23:42																				
ZZZZZZ			23:47																				
ZZZZZZ			23:51																				
ZZZZZZ			23:56																				
ZZZZZZ			00:00																				
ZZZZZZ			00:05																				
CCV 680-348926/192			00:09																				
CCB 680-348926/193			00:14																				
ZZZZZZ			00:18																				
ZZZZZZ			00:23																				
ZZZZZZ			00:27																				
ZZZZZZ			00:32																				
ZZZZZZ			00:36																				
ZZZZZZ			00:41																				
ZZZZZZ			00:45																				
ZZZZZZ			00:50																				
ZZZZZZ			00:54																				
ZZZZZZ			00:59																				
CCV 680-348926/204			01:03																				
CCB 680-348926/205			01:08																				
ZZZZZZ			01:12																				
ZZZZZZ			01:17																				
ZZZZZZ			01:21																				
ZZZZZZ			01:26																				
ZZZZZZ			01:30																				

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: TestAmerica Savannah Job No.: 680-104968-1

SDG No.: 680-104968-01

Instrument ID: ICPF Method: 6010C

Start Date: 09/12/2014 09:42 End Date: 09/13/2014 05:02

Lab Sample ID	D/F	Type	Time	Analytes																			
				Pb																			
ZZZZZZ			01:35																				
ZZZZZZ			01:39																				
ZZZZZZ			01:44																				
ZZZZZZ			01:48																				
ZZZZZZ			01:53																				
CCV 680-348926/216			01:57																				
CCB 680-348926/217			02:02																				
ZZZZZZ			02:06																				
ZZZZZZ			02:11																				
ZZZZZZ			02:15																				
ZZZZZZ			02:20																				
ZZZZZZ			02:25																				
ZZZZZZ			02:29																				
ZZZZZZ			02:34																				
ZZZZZZ			02:38																				
ZZZZZZ			02:43																				
ZZZZZZ			02:47																				
CCV 680-348926/228			02:52																				
CCB 680-348926/229			02:56																				
ZZZZZZ			03:01																				
ZZZZZZ			03:05																				
ZZZZZZ			03:10																				
ZZZZZZ			03:14																				
ZZZZZZ			03:19																				
ZZZZZZ			03:23																				
ZZZZZZ			03:28																				
ZZZZZZ			03:32																				
ZZZZZZ			03:37																				
ZZZZZZ			03:41																				
CCV 680-348926/240			03:46																				
CCB 680-348926/241			03:50																				
ZZZZZZ			03:55																				
ZZZZZZ			03:59																				
ZZZZZZ			04:04																				
ZZZZZZ			04:08																				
ZZZZZZ			04:13																				
ZZZZZZ			04:18																				
ZZZZZZ			04:22																				
ZZZZZZ			04:27																				
ZZZZZZ			04:31																				
CRI 680-348926/251	1		04:36	X																			
CCV 680-348926/252			04:40																				

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: TestAmerica Savannah Job No.: 680-104968-1

SDG No.: 680-104968-01

Instrument ID: ICPF Method: 6010C

Start Date: 09/12/2014 09:42 End Date: 09/13/2014 05:02

Lab Sample ID	D/F	Type	Time	Analytes																			
				Pb																			
CCB 680-348926/253			04:45																				
ZZZZZZ			04:49																				
ZZZZZZ			04:53																				
CCV 680-348926/256			04:58																				
CCB 680-348926/257			05:02																				

Prep Types

T = Total/NA

Blank (Blk) **9/10/2014, 11:07:47 AM** **Rack S, Tube 1**

Label	Replicates Concentration		
Ag 328.068	-0.1030	0.1076	-0.0047
Al 308.215	-0.0471	-0.6133	0.6603
As 188.980	0.7024	0.4024	-1.1048
B 249.678	-0.0149	0.3743	-0.3594
Ba 389.178	-0.6391	0.9507	-0.3116
Be 313.042	-0.0023	0.0036	-0.0013
Ca 370.602	-1.557	0.3719	1.185
Cd 226.502	-0.0482	-0.0947	0.1429
Co 228.615	0.2233	0.3464	-0.5696
Cr 267.716	0.0324	-0.1376	0.1052
Cu 324.754	-0.1115	-0.0752	0.1867
Fe 271.441	-0.8206	-1.5119	2.3325
K 766.491	0.0562	0.0121	-0.0684
Mg 279.078	-1.1053	-0.5965	1.7018
Mn 257.610	0.0443	-0.0190	-0.0253
Mo 202.032	-0.0365	-0.1134	0.1499
Na 330.237	27.7758	-190.622	162.846
Ni 231.604	-1.3375	0.6532	0.6842
Pb 220.353	1.2376	1.4908	-2.7284
Sb 206.834	2.3228	-2.8156	0.4928
Se 196.026	-4.3125	-0.4835	4.7960
Sn 189.925	1.0407	-2.5204	1.4796
Sr 216.596	0.1605	-0.0837	-0.0768
Ti 334.941	-0.0407	0.0255	0.0152
Tl 190.794	-0.2130	-3.3448	3.5579
V 292.401	-0.0294	0.0118	0.0176
Zn 206.200	0.0843	0.5052	-0.5895

Label	Sol'n Conc.	Units	SD(Int)	%RSD(Int)	Int. (c/s)
Ag 328.068	0.0000	ppb	5.053	52.8	-9.5752
Al 308.215	0.0000	ppb	3.615	1.1	340.608
As 188.980	0.0000	ppb	0.464	8.9	-5.2254
B 249.678	0.0000	ppb	5.015	13.2	37.9599
Ba 389.178	0.0000	ppb	17.635	87.0	-20.2642
Be 313.042	0.0000	ppb	7.401	0.2	-3071.60
Ca 370.602	0.0000	ppb	5.206	171.1	-3.043
Cd 226.502	0.0000	ppb	3.682	19.9	18.5181
Co 228.615	0.0000	ppb	3.812	39.1	-9.7554
Cr 267.716	0.0000	ppb	3.208	67.7	4.7395
Cu 324.754	0.0000	ppb	7.872	3.5	225.491
Fe 271.441	0.0000	ppb	1.816	8.8	20.6747
K 766.491	0.0000	ppb	8.079	0.5	1734.16
Mg 279.078	0.0000	ppb	3.159	13.1	24.0601
Mn 257.610	0.0000	ppb	5.316	12.3	43.3931
Mo 202.032	0.0000	ppb	0.749	12.8	5.8519
Na 330.237	0.0000	ppb	10.610	18.8	56.4152
Ni 231.604	0.0000	ppb	3.175	100.0	3.1743
Pb 220.353	0.0000	ppb	2.342	702.7	-0.3333
Sb 206.834	0.0000	ppb	2.201	44.8	4.9176
Se 196.026	0.0000	ppb	1.575	19.3	8.1783
Sn 189.925	0.0000	ppb	1.185	22.5	-5.2670

Label	Sol'n Conc.	Units	SD(Int)	%RSD(Int)	Int. (c/s)
Sr 216.596	0.0000	ppb	1.006	45.1	2.2305
Ti 334.941	0.0000	ppb	12.509	15.6	-80.1410
Tl 190.794	0.0000	ppb	1.717	24.4	-7.0446
V 292.401	0.0000	ppb	0.825	36.1	2.2858
Zn 206.200	0.0000	ppb	1.115	62.9	1.7723

HIGH STD (Std) **9/10/2014, 11:12:15 AM** **Rack S, Tube 2**

Label	Replicates Concentration		
Ag 328.068	999.129	1001.71	999.157
Al 308.215	10001.1	10013.2	9985.66
As 188.980	993.108	1002.64	1004.25
B 249.678	995.997	1002.24	1001.76
Ba 389.178	10012.4	9999.65	9987.94
Be 313.042	1003.08	998.644	998.272
Ca 370.602	10005	9995	10000
Cd 226.502	1000.83	1000.17	998.992
Co 228.615	1000.47	1000.48	999.054
Cr 267.716	10003.1	10012.9	9984.00
Cu 324.754	10014.0	10072.7	9913.35
Fe 271.441	10014.6	10015.9	9969.53
K 766.491	20001.2	20035.5	19963.3
Mg 279.078	9991.13	10010.9	9998.00
Mn 257.610	10015.1	9986.75	9998.16
Mo 202.032	998.925	1002.23	998.847
Na 330.237	15093.6	14915.0	14991.4
Ni 231.604	4995.92	5022.32	4981.76
Pb 220.353	995.018	1001.65	1003.33
Sb 206.834	2001.82	1999.52	1998.66
Se 196.026	9999.39	10002.5	9998.10
Sn 189.925	10002.4	9981.70	10015.9
Sr 216.596	4991.83	4992.92	5015.25
Ti 334.941	1000.62	1000.78	998.599
Tl 190.794	9958.47	10022.7	10018.8
V 292.401	10004.4	10005.1	9990.43
Zn 206.200	4994.26	5002.36	5003.38

Label	Sol'n Conc.	Units	SD(Int)	%RSD(Int)	Int. (c/s)
Ag 328.068	1000.00	ppb	71.191	0.1	47944.5
Al 308.215	10000.0	ppb	78.197	0.1	57000.6
As 188.980	1000.00	ppb	2.883	0.6	473.503
B 249.678	1000.00	ppb	47.482	0.3	13701.4
Ba 389.178	10000.0	ppb	257.181	0.1	210054
Be 313.042	1000.00	ppb	6292.566	0.3	2347387
Ca 370.602	10000	ppb	17.563	0.0	36966
Cd 226.502	1000.00	ppb	27.264	0.1	29248.9
Co 228.615	1000.00	ppb	6.284	0.1	7658.13
Cr 267.716	10000.0	ppb	378.616	0.1	257475
Cu 324.754	10000.0	ppb	3899.135	0.8	484134
Fe 271.441	10000.0	ppb	23.392	0.3	8881.92
K 766.491	20000.0	ppb	4618.049	0.2	2558832
Mg 279.078	10000.0	ppb	21.170	0.1	21145.4

Label	Sol'n Conc.	Units	SD(Int)	%RSD(Int)	Int. (c/s)
Mn 257.610	10000.0	ppb	1968.803	0.1	1380891
Mo 202.032	1000.00	ppb	10.683	0.2	5540.02
Na 330.237	15000.0	ppb	5.330	0.6	948.677
Ni 231.604	5000.00	ppb	56.426	0.4	13708.0
Pb 220.353	1000.00	ppb	4.352	0.4	989.462
Sb 206.834	2000.00	ppb	1.380	0.1	1695.38
Se 196.026	10000.0	ppb	0.782	0.0	3451.82
Sn 189.925	10000.0	ppb	9.295	0.2	5395.14
Sr 216.596	5000.00	ppb	95.710	0.3	36202.2
Ti 334.941	1000.00	ppb	426.931	0.1	351136
Tl 190.794	10000.0	ppb	17.896	0.4	4961.49
V 292.401	10000.0	ppb	267.174	0.1	322191
Zn 206.200	5000.00	ppb	10.080	0.1	10095.2

Ag 328.068 Calibration (ppb) **9/10/2014, 11:12:15 AM** **Correlation Coefficient: 1.000000**

Label	Flags	Int. (c/s)	Std Conc.	Calc Conc.	Error	%Error
Blank		-9.5752	0.0000	0.0000	-	-
HIGH STD		47944.5	1000.00	1000.000	-0.0001	0.0

Curve Type: Linear Equation: y = 48.0 x + -9.6

Al 308.215 Calibration (ppb) **9/10/2014, 11:12:15 AM** **Correlation Coefficient: 1.000000**

Label	Flags	Int. (c/s)	Std Conc.	Calc Conc.	Error	%Error
Blank		340.608	0.0000	0.0000	-	-
HIGH STD		57000.6	10000.0	10000.0	0.0000	0.0

Curve Type: Linear Equation: y = 5.7 x + 340.6

As 188.980 Calibration (ppb) **9/10/2014, 11:12:15 AM** **Correlation Coefficient: 1.000000**

Label	Flags	Int. (c/s)	Std Conc.	Calc Conc.	Error	%Error
Blank		-5.2254	0.0000	0.0000	-	-
HIGH STD		473.503	1000.00	1000.00	0.0001	0.0

Curve Type: Linear Equation: y = 0.5 x + -5.2

B 249.678 Calibration (ppb) **9/10/2014, 11:12:15 AM** **Correlation Coefficient: 1.000000**

Label	Flags	Int. (c/s)	Std Conc.	Calc Conc.	Error	%Error
Blank		37.9599	0.0000	0.0000	-	-
HIGH STD		13701.4	1000.00	1000.00	0.0000	0.0

Curve Type: Linear Equation: y = 13.7 x + 38.0

Ba 389.178 Calibration (ppb) 9/10/2014, 11:12:15 AM Correlation Coefficient: 1.000000

Label	Flags	Int. (c/s)	Std Conc.	Calc Conc.	Error	%Error
Blank		-20.2642	0.0000	0.0000	-	-
HIGH STD		210054	10000.0	10000.0	0.0000	0.0

Curve Type: Linear Equation: y = 21.0 x + -20.3

Be 313.042 Calibration (ppb) 9/10/2014, 11:12:15 AM Correlation Coefficient: 1.000000

Label	Flags	Int. (c/s)	Std Conc.	Calc Conc.	Error	%Error
Blank		-3071.60	0.0000	0.0000	-	-
HIGH STD		2347387	1000.00	1000.000	-0.0001	0.0

Curve Type: Linear Equation: y = 2350.5 x + -3071.6

Ca 370.602 Calibration (ppb) 9/10/2014, 11:12:15 AM Correlation Coefficient: 1.000000

Label	Flags	Int. (c/s)	Std Conc.	Calc Conc.	Error	%Error
Blank		-3.043	0.0000	0.0000	-	-
HIGH STD		36966	10000	10000	0.0000	0.0

Curve Type: Linear Equation: y = 3.7 x + -3.0

Cd 226.502 Calibration (ppb) 9/10/2014, 11:12:15 AM Correlation Coefficient: 1.000000

Label	Flags	Int. (c/s)	Std Conc.	Calc Conc.	Error	%Error
Blank		18.5181	0.0000	0.0000	-	-
HIGH STD		29248.9	1000.00	1000.00	0.0000	0.0

Curve Type: Linear Equation: y = 29.2 x + 18.5

Co 228.615 Calibration (ppb) 9/10/2014, 11:12:15 AM Correlation Coefficient: 1.000000

Label	Flags	Int. (c/s)	Std Conc.	Calc Conc.	Error	%Error
Blank		-9.7554	0.0000	0.0000	-	-
HIGH STD		7658.13	1000.00	1000.00	0.0000	0.0

Curve Type: Linear Equation: y = 7.7 x + -9.8

Cr 267.716 Calibration (ppb) 9/10/2014, 11:12:15 AM Correlation Coefficient: 1.000000

Label	Flags	Int. (c/s)	Std Conc.	Calc Conc.	Error	%Error
Blank		4.7395	0.0000	0.0000	-	-
HIGH STD		257475	10000.0	10000.0	0.0010	0.0

Curve Type: Linear Equation: y = 25.7 x + 4.7

Cu 324.754 Calibration (ppb) 9/10/2014, 11:12:15 AM Correlation Coefficient: 1.000000

Label	Flags	Int. (c/s)	Std Conc.	Calc Conc.	Error	%Error
Blank		225.491	0.0000	0.0000	-	-

Label	Flags	Int. (c/s)	Std Conc.	Calc Conc.	Error	%Error
HIGH STD		484134	10000.0	10000.0	0.0010	0.0

Curve Type: Linear Equation: y = 48.4 x + 225.5

Fe 271.441 Calibration (ppb) 9/10/2014, 11:12:15 AM Correlation Coefficient: 1.000000

Label	Flags	Int. (c/s)	Std Conc.	Calc Conc.	Error	%Error
Blank		20.6747	0.0000	0.0000	-	-
HIGH STD		8881.92	10000.0	10000.0	0.0000	0.0

Curve Type: Linear Equation: y = 0.9 x + 20.7

K 766.491 Calibration (ppb) 9/10/2014, 11:12:15 AM Correlation Coefficient: 1.000000

Label	Flags	Int. (c/s)	Std Conc.	Calc Conc.	Error	%Error
Blank		1734.16	0.0000	0.0000	-	-
HIGH STD		2558832	20000.0	20000.0	-0.0020	0.0

Curve Type: Linear Equation: y = 127.9 x + 1734.2

Mg 279.078 Calibration (ppb) 9/10/2014, 11:12:15 AM Correlation Coefficient: 1.000000

Label	Flags	Int. (c/s)	Std Conc.	Calc Conc.	Error	%Error
Blank		24.0601	0.0000	0.0000	-	-
HIGH STD		21145.4	10000.0	10000.0	0.0010	0.0

Curve Type: Linear Equation: y = 2.1 x + 24.1

Mn 257.610 Calibration (ppb) 9/10/2014, 11:12:15 AM Correlation Coefficient: 1.000000

Label	Flags	Int. (c/s)	Std Conc.	Calc Conc.	Error	%Error
Blank		43.3931	0.0000	0.0000	-	-
HIGH STD		1380891	10000.0	10000.0	0.0000	0.0

Curve Type: Linear Equation: y = 138.1 x + 43.4

Mo 202.032 Calibration (ppb) 9/10/2014, 11:12:15 AM Correlation Coefficient: 1.000000

Label	Flags	Int. (c/s)	Std Conc.	Calc Conc.	Error	%Error
Blank		5.8519	0.0000	0.0000	-	-
HIGH STD		5540.02	1000.00	1000.00	0.0000	0.0

Curve Type: Linear Equation: y = 5.5 x + 5.9

Na 330.237 Calibration (ppb) 9/10/2014, 11:12:15 AM Correlation Coefficient: 1.000000

Label	Flags	Int. (c/s)	Std Conc.	Calc Conc.	Error	%Error
Blank		56.4152	0.0000	0.0000	-	-
HIGH STD		948.677	15000.0	15000.0	0.0000	0.0

Curve Type: Linear Equation: y = 0.1 x + 56.4

Ni 231.604 Calibration (ppb) 9/10/2014, 11:12:15 AM Correlation Coefficient: 1.000000

Label	Flags	Int. (c/s)	Std Conc.	Calc Conc.	Error	%Error
Blank		3.1743	0.0000	0.0000	-	-
HIGH STD		13708.0	5000.00	5000.00	0.0000	0.0

Curve Type: Linear Equation: y = 2.7 x + 3.2

Pb 220.353 Calibration (ppb) 9/10/2014, 11:12:15 AM Correlation Coefficient: 1.000000

Label	Flags	Int. (c/s)	Std Conc.	Calc Conc.	Error	%Error
Blank		-0.3333	0.0000	0.0000	-	-
HIGH STD		989.462	1000.00	1000.000	-0.0001	0.0

Curve Type: Linear Equation: y = 1.0 x + -0.3

Sb 206.834 Calibration (ppb) 9/10/2014, 11:12:15 AM Correlation Coefficient: 1.000000

Label	Flags	Int. (c/s)	Std Conc.	Calc Conc.	Error	%Error
Blank		4.9176	0.0000	0.0000	-	-
HIGH STD		1695.38	2000.00	2000.00	0.0000	0.0

Curve Type: Linear Equation: y = 0.8 x + 4.9

Se 196.026 Calibration (ppb) 9/10/2014, 11:12:15 AM Correlation Coefficient: 1.000000

Label	Flags	Int. (c/s)	Std Conc.	Calc Conc.	Error	%Error
Blank		8.1783	0.0000	0.0000	-	-
HIGH STD		3451.82	10000.0	10000.0	0.0000	0.0

Curve Type: Linear Equation: y = 0.3 x + 8.2

Sn 189.925 Calibration (ppb) 9/10/2014, 11:12:15 AM Correlation Coefficient: 1.000000

Label	Flags	Int. (c/s)	Std Conc.	Calc Conc.	Error	%Error
Blank		-5.2670	0.0000	0.0000	-	-
HIGH STD		5395.14	10000.0	10000.00	-0.0010	0.0

Curve Type: Linear Equation: y = 0.5 x + -5.3

Sr 216.596 Calibration (ppb) 9/10/2014, 11:12:15 AM Correlation Coefficient: 1.000000

Label	Flags	Int. (c/s)	Std Conc.	Calc Conc.	Error	%Error
Blank		2.2305	0.0000	0.0000	-	-
HIGH STD		36202.2	5000.00	5000.00	0.0005	0.0

Curve Type: Linear Equation: y = 7.2 x + 2.2

Ti 334.941 Calibration (ppb) **9/10/2014, 11:12:15 AM** **Correlation Coefficient: 1.000000**

Label	Flags	Int. (c/s)	Std Conc.	Calc Conc.	Error	%Error
Blank		-80.1410	0.0000	0.0000	-	-
HIGH STD		351136	1000.00	1000.00	0.0000	0.0

Curve Type: Linear Equation: y = 351.2 x + -80.1

Tl 190.794 Calibration (ppb) **9/10/2014, 11:12:15 AM** **Correlation Coefficient: 1.000000**

Label	Flags	Int. (c/s)	Std Conc.	Calc Conc.	Error	%Error
Blank		-7.0446	0.0000	0.0000	-	-
HIGH STD		4961.49	10000.0	10000.0	0.0010	0.0

Curve Type: Linear Equation: y = 0.5 x + -7.0

V 292.401 Calibration (ppb) **9/10/2014, 11:12:15 AM** **Correlation Coefficient: 1.000000**

Label	Flags	Int. (c/s)	Std Conc.	Calc Conc.	Error	%Error
Blank		2.2858	0.0000	0.0000	-	-
HIGH STD		322191	10000.0	10000.0	0.0000	0.0

Curve Type: Linear Equation: y = 32.2 x + 2.3

Zn 206.200 Calibration (ppb) **9/10/2014, 11:12:15 AM** **Correlation Coefficient: 1.000000**

Label	Flags	Int. (c/s)	Std Conc.	Calc Conc.	Error	%Error
Blank		1.7723	0.0000	0.0000	-	-
HIGH STD		10095.2	5000.00	5000.00	0.0005	0.0

Curve Type: Linear Equation: y = 2.0 x + 1.8

Lab Control Sample (LCS) **9/10/2014, 11:16:42 AM** **Rack S, Tube 2**

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

Label	Replicates Concentration		
Ag 328.068	1005.83	1001.37	1002.37
Al 308.215	10005.2	9989.45	9972.84
As 188.980	997.252	1005.23	999.430
B 249.678	1005.09	1006.12	1005.23
Ba 389.178	9987.91	9971.21	9945.13
Be 313.042	998.624	994.955	991.144
Ca 370.602	10028	10020	9964
Cd 226.502	999.275	996.763	994.425
Co 228.615	996.429	996.627	997.149
Cr 267.716	9991.85	9973.75	9950.23
Cu 324.754	10024.8	10012.4	9936.28
Fe 271.441	9982.24	9994.11	9967.72
K 766.491	19995.2	19984.7	19941.2
Mg 279.078	10007.1	9991.72	9956.06
Mn 257.610	10014.3	9990.63	9978.38
Mo 202.032	1000.60	1000.99	1000.06

Label	Replicates Concentration		
Na 330.237	14666.7	14733.6	14595.2
Ni 231.604	4985.44	4989.10	4996.71
Pb 220.353	999.303	991.605	1005.96
Sb 206.834	1963.76	1974.40	1970.16
Se 196.026	9969.66	9964.77	10003.2
Sn 189.925	9950.72	9930.96	9963.50
Sr 216.596	5015.66	5007.86	4989.32
Ti 334.941	999.194	998.263	996.089
Tl 190.794	9968.52	9955.61	9982.48
V 292.401	10014.5	9997.12	9962.42
Zn 206.200	5000.15	4991.74	4975.69

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Ag 328.068	1003.19	ppb	2.3396	0.2	48155.3	100.31880
Al 308.215	9989.16	ppb	16.1797	0.2	57510.2	99.89160
As 188.980	1000.64	ppb	4.1214	0.4	473.966	100.06357
B 249.678	1005.48	ppb	0.5623	0.1	13796.1	100.54808
Ba 389.178	9968.08	ppb	21.5556	0.2	209446	99.68081
Be 313.042	994.908	ppb	3.7406	0.4	2338318	99.49079
Ca 370.602	10004	ppb	34.92	0.3	37059	100.04108
Cd 226.502	996.821	ppb	2.4253	0.2	29182.0	99.68208
Co 228.615	996.735	ppb	0.3719	0.0	7629.23	99.67348
Cr 267.716	9971.94	ppb	20.8680	0.2	256666	99.71941
Cu 324.754	9991.15	ppb	47.9262	0.5	483551	99.91152
Fe 271.441	9981.36	ppb	13.2193	0.1	8966.87	99.81357
K 766.491	19973.7	ppb	28.6030	0.1	2555468	99.86844
Mg 279.078	9984.94	ppb	26.1653	0.3	21093.5	99.84944
Mn 257.610	9994.43	ppb	18.2461	0.2	1380200	99.94427
Mo 202.032	1000.55	ppb	0.4662	0.0	5537.83	100.05515
Na 330.237	14665.2	ppb	69.2062	0.5	893.377	97.76769
Ni 231.604	4990.42	ppb	5.7460	0.1	13682.1	99.80832
Pb 220.353	998.955	ppb	7.1832	0.7	991.456	99.89553
Sb 206.834	1969.44	ppb	5.3563	0.3	1715.85	98.47186
Se 196.026	9979.23	ppb	20.9478	0.2	3446.23	99.79226
Sn 189.925	9948.39	ppb	16.3975	0.2	5367.27	99.48392
Sr 216.596	5004.28	ppb	13.5303	0.3	36071.7	100.08559
Ti 334.941	997.849	ppb	1.5935	0.2	350402	99.78485
Tl 190.794	9968.87	ppb	13.4385	0.1	4954.04	99.68869
V 292.401	9991.33	ppb	26.4987	0.3	321013	99.91332
Zn 206.200	4989.19	ppb	12.4276	0.2	10049.4	99.78387

Initial Calib Verif (ICV) **9/10/2014, 11:21:09 AM** **Rack S, Tube 3**

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

Label	Replicates Concentration		
Ag 328.068	1018.12x	1022.15x	1013.78x
Al 308.215	1025.26	1029.35	1026.16
As 188.980	998.135	1005.03	990.259
B 249.678	1013.38	1013.99	1012.96
Ba 389.178	1028.25	1029.86	1027.34
Be 313.042	1011.03x	1012.63x	1009.82x
Ca 370.602	1008	1012	1009

Label	Replicates Concentration		
Cd 226.502	1012.73x	1013.81x	1010.45x
Co 228.615	1039.77	1040.39	1039.13
Cr 267.716	1016.83	1019.09	1016.49
Cu 324.754	1013.65	1009.71	1008.28
Fe 271.441	1002.75	1010.57	1003.23
K 766.491	9977.54	9979.40	9954.82
Mg 279.078	1003.46	1009.13	1005.15
Mn 257.610	1045.06	1045.52	1043.86
Mo 202.032	1029.25x	1032.39x	1026.59x
Na 330.237	9969.49	10291.1	9939.13
Ni 231.604	1024.72	1016.34	1014.41
Pb 220.353	1012.84	1016.64	1015.10
Sb 206.834	1003.33	1005.50	1009.68
Se 196.026	979.747	971.315	971.613
Sn 189.925	5067.62	5059.24	5067.23
Sr 216.596	5151.71x	5153.42x	5140.57x
Ti 334.941	980.487	980.696	977.934
Tl 190.794	996.030	997.979	977.939
V 292.401	1043.73	1045.03	1042.36
Zn 206.200	1037.18	1032.88	1034.76

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Ag 328.068	1018.02xb	ppb	4.1841	0.4	48813.7	101.80164
Al 308.215	1026.92b	ppb	2.1527	0.2	6276.10	102.69234
As 188.980	997.809b	ppb	7.3922	0.7	472.683	99.78090
B 249.678	1013.44b	ppb	0.5173	0.1	13897.4	101.34438
Ba 389.178	1028.49b	ppb	1.2747	0.1	21594.6	102.84853
Be 313.042	1011.16xb	ppb	1.4113	0.1	2373781	101.11576
Ca 370.602	1009b	ppb	1.981	0.2	3927	100.94215
Cd 226.502	1012.33xb	ppb	1.7146	0.2	29612.2	101.23319
Co 228.615	1039.76b	ppb	0.6328	0.1	7957.89	103.97614
Cr 267.716	1017.47b	ppb	1.4185	0.1	26192.6	101.74684
Cu 324.754	1010.55b	ppb	2.7804	0.3	49111.5	101.05452
Fe 271.441	1005.51b	ppb	4.3823	0.4	984.364	100.55131
K 766.491	9970.59b	ppb	13.6874	0.1	1276523	99.70587
Mg 279.078	1005.91b	ppb	2.9091	0.3	2146.47	100.59148
Mn 257.610	1044.81b	ppb	0.8547	0.1	144325	104.48130
Mo 202.032	1029.41xb	ppb	2.9050	0.3	5702.25	102.94125
Na 330.237	10066.6b	ppb	195.037	1.9	635.902	100.66571
Ni 231.604	1018.49b	ppb	5.4820	0.5	2794.85	101.84901
Pb 220.353	1014.86b	ppb	1.9105	0.2	1003.20	101.48595
Sb 206.834	1006.17b	ppb	3.2252	0.3	844.391	100.61703
Se 196.026	974.225b	ppb	4.7846	0.5	343.830	97.42254
Sn 189.925	5064.70b	ppb	4.7276	0.1	2729.88	101.29398
Sr 216.596	5148.57xb	ppb	6.9803	0.1	37234.4	102.97134
Ti 334.941	979.706b	ppb	1.5379	0.2	344010	97.97062
Tl 190.794	990.649b	ppb	11.0506	1.1	486.544	99.06495
V 292.401	1043.71b	ppb	1.3384	0.1	33324.6	104.37059
Zn 206.200	1034.94b	ppb	2.1530	0.2	2088.54	103.49382

Initial Calib Blank (ICB) **9/10/2014, 11:25:36 AM** **Rack S, Tube 1**

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

Label	Replicates Concentration		
Ag 328.068	-0.2948u	0.2338	-0.3291u
Al 308.215	0.0059	3.6785	-0.5792u
As 188.980	5.3759	-0.4854u	-1.3768u
B 249.678	13.5816	12.0568	10.5380
Ba 389.178	0.2547	0.2157	-0.3115u
Be 313.042	0.0792	0.0506	0.0407
Ca 370.602	0.5003	-2.349u	2.162
Cd 226.502	0.0134	0.2358	0.1847
Co 228.615	-0.0512u	0.6384	0.2912
Cr 267.716	0.0331	0.1113	0.0718
Cu 324.754	0.1966	0.1369	-0.1316u
Fe 271.441	2.6398	-3.3571u	0.4864
K 766.491	1.0457	0.4541	0.4312
Mg 279.078	2.6184	1.9243	2.3964
Mn 257.610	-0.1877u	-0.1796u	-0.2091u
Mo 202.032	3.0105	2.7491	1.2038
Na 330.237	172.143	48.9311	3.1587
Ni 231.604	0.8275	1.3667	-0.2469u
Pb 220.353	2.3710	-0.1782u	1.6581
Sb 206.834	3.2815	3.3345	-4.3936u
Se 196.026	13.4769	-1.1332u	-1.4710u
Sn 189.925	1.1526	-2.3318u	5.7118
Sr 216.596	0.1333	0.0747	-0.2945u
Ti 334.941	0.3043	0.2176	0.1998
Tl 190.794	1.1905	0.4082	0.6171
V 292.401	0.2939	0.2073	0.1778
Zn 206.200	-0.4228u	-1.2095u	-0.6078u

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Ag 328.068	-0.1300	ppb	0.3156	242.7	-15.8109	-0.13003
Al 308.215	1.0351	ppb	2.3079	223.0	346.628	1.03508
As 188.980	1.1713	ppb	3.6685	313.2	-4.6641	1.17125
B 249.678	12.0588	ppb	1.5218	12.6	202.739	12.05879
Ba 389.178	0.0529	ppb	0.3162	597.2	-19.1393	0.05295
Be 313.042	0.0568	ppb	0.0200	35.2	-2938.30	0.05683
Ca 370.602	0.1043	ppb	2.281	2186.4	-2.608	0.10435
Cd 226.502	0.1446	ppb	0.1165	80.5	22.7471	0.14465
Co 228.615	0.2928	ppb	0.3448	117.8	-7.5509	0.29279
Cr 267.716	0.0721	ppb	0.0391	54.2	6.5938	0.07208
Cu 324.754	0.0673	ppb	0.1748	259.8	228.785	0.06730
Fe 271.441	-0.0770	ppb	3.0379	3946.5	20.6149	-0.07698
K 766.491	0.6437	ppb	0.3483	54.1	1816.46	0.64368
Mg 279.078	2.3130	ppb	0.3545	15.3	28.9447	2.31301
Mn 257.610	-0.1922	ppb	0.0152	7.9	16.8708	-0.19216
Mo 202.032	2.3211	ppb	0.9765	42.1	18.6973	2.32114
Na 330.237	74.7443	ppb	87.3995	116.9	60.8587	74.74428
Ni 231.604	0.6491	ppb	0.8215	126.6	4.9534	0.64909
Pb 220.353	1.2836	ppb	1.3152	102.5	0.9353	1.28364
Sb 206.834	0.7408	ppb	4.4466	600.2	5.5047	0.74082
Se 196.026	3.6243	ppb	8.5343	235.5	9.4263	3.62425

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Sn 189.925	1.5108	ppb	4.0338	267.0	-4.4511	1.51083
Sr 216.596	-0.0288	ppb	0.2320	804.5	1.9801	-0.02883
Ti 334.941	0.2406	ppb	0.0559	23.2	4.3462	0.24056
Tl 190.794	0.7386	ppb	0.4050	54.8	-6.6782	0.73858
V 292.401	0.2263	ppb	0.0604	26.7	9.0205	0.22630
Zn 206.200	-0.7467	ppb	0.4113	55.1	0.2650	-0.74670

CRI (CRI) **9/10/2014, 11:30:03 AM** **Rack S, Tube 4**

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

Label	Replicates Concentration		
Ag 328.068	10.4731	10.1631	10.0804
Al 308.215	197.405	196.590	202.801
As 188.980	24.8421	17.5324	20.0474
B 249.678	103.377	102.991	102.836
Ba 389.178	10.0410	9.1546	8.9055
Be 313.042	4.0317	4.0429	4.0493
Ca 370.602	499.6	495.6	494.9
Cd 226.502	4.9768	5.0528	4.9022
Co 228.615	9.9419	9.9996	10.0360
Cr 267.716	10.0740	9.8658	10.1161
Cu 324.754	20.8512	20.6957	20.9840
Fe 271.441	52.6371	59.6957	50.2281
K 766.491	1018.06	1014.35	1018.46
Mg 279.078	500.307	494.843	499.709
Mn 257.610	10.2570	10.3090	10.2858
Mo 202.032	10.2644	10.1179	10.3505
Na 330.237	863.893	1026.61	1020.51
Ni 231.604	41.1888	39.7969	39.5574
Pb 220.353	11.6879	13.0699	6.8380
Sb 206.834	20.4911	20.5201	23.1752
Se 196.026	21.0926	27.6043	16.1455
Sn 189.925	52.0105	53.6035	51.4127
Sr 216.596	10.3031	9.3307	9.6734
Ti 334.941	10.0343	10.0049	10.0358
Tl 190.794	27.8399	24.2228	21.3499
V 292.401	10.2392	10.1312	10.0271
Zn 206.200	20.3938	18.3944	20.5325

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Ag 328.068	10.2389	ppb	0.2070	2.0	481.462	102.38853
Al 308.215	198.932	ppb	3.3755	1.7	1468.91	99.46613
As 188.980	20.8073	ppb	3.7136	17.8	4.7377	104.03667
B 249.678	103.068	ppb	0.2787	0.3	1446.43	103.06808
Ba 389.178	9.3670	ppb	0.5968	6.4	177.899	93.67020
Be 313.042	4.0413	ppb	0.0089	0.2	6428.86	101.03184
Ca 370.602	496.7	ppb	2.532	0.5	1835	99.34676
Cd 226.502	4.9773	ppb	0.0753	1.5	164.142	99.54567
Co 228.615	9.9925	ppb	0.0475	0.5	66.8214	99.92491
Cr 267.716	10.0186	ppb	0.1340	1.3	262.612	100.18631
Cu 324.754	20.8436	ppb	0.1443	0.7	1233.51	104.21805
Fe 271.441	54.1870	ppb	4.9204	9.1	69.4075	108.37395

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
K 766.491	1016.96	ppb	2.2692	0.2	131757	101.69579
Mg 279.078	498.286	ppb	2.9973	0.6	1076.40	99.65724
Mn 257.610	10.2839	ppb	0.0261	0.3	1466.39	102.83912
Mo 202.032	10.2443	ppb	0.1176	1.1	62.5366	102.44263
Na 330.237	970.337	ppb	92.2336	9.5	113.892	97.03373
Ni 231.604	40.1810	ppb	0.8809	2.2	113.311	100.45259
Pb 220.353	10.5319	ppb	3.2729	31.1	10.0732	105.31929
Sb 206.834	21.3955	ppb	1.5413	7.2	22.8920	106.97728
Se 196.026	21.6141	ppb	5.7472	26.6	15.6261	108.07048
Sn 189.925	52.3422	ppb	1.1325	2.2	23.0002	104.68443
Sr 216.596	9.7691	ppb	0.4932	5.0	71.7029	97.69095
Ti 334.941	10.0250	ppb	0.0174	0.2	3441.77	100.24978
Tl 190.794	24.4709	ppb	3.2521	13.3	5.1240	97.88349
V 292.401	10.1325	ppb	0.1060	1.0	325.738	101.32512
Zn 206.200	19.7735	ppb	1.1964	6.1	41.6657	98.86774

Interf Check A (ICSA) **9/10/2014, 11:34:32 AM** **Rack S, Tube 5**

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

Label	Replicates Concentration		
Ag 328.068	-1.4379u	0.1111u	0.0408u
Al 308.215	540917	540162	540595
As 188.980	-13.1708u	-10.8723u	-0.9493u
B 249.678	8.4573u	9.6003	9.2019u
Ba 389.178	7.3061	6.3268	6.0273
Be 313.042	-0.2890u	-0.2894u	-0.2692u
Ca 370.602	497972	496608	498872
Cd 226.502	4.6939	4.2809	4.1638
Co 228.615	-0.3997	-0.0908	-0.0094
Cr 267.716	-0.4463u	-0.8866u	-0.5276u
Cu 324.754	2.7968u	3.5514u	3.5599u
Fe 271.441	192556	192321	192185
K 766.491	2.1273	2.3573	2.5887
Mg 279.078	525671	524345	523192
Mn 257.610	-0.3498	-0.2455	-0.4397
Mo 202.032	0.5760u	-0.2397u	0.7637u
Na 330.237	831.302u	640.445u	701.499u
Ni 231.604	7.2212	6.5701	7.9161
Pb 220.353	-1.5613u	10.6563u	9.1494u
Sb 206.834	9.9680	12.8879	17.5030
Se 196.026	-7.9942	-0.9395	-4.9543
Sn 189.925	-4.0098u	-3.7859u	-8.4479u
Sr 216.596	9.5640	9.9549	8.7438
Ti 334.941	1.0262	1.0093	0.9320
Tl 190.794	-18.2063u	-0.5890u	-9.3343u
V 292.401	1.0170	1.4986	0.7277
Zn 206.200	6.1592	8.4172	4.1146

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Ag 328.068	-0.4287	ppb	0.8747	204.1	-52.2082	-0.42866
Al 308.215	540558	ppb	379.311	0.1	3063143	-
As 188.980	-8.3308	ppb	6.4951	78.0	-10.5838	-8.33077

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
B 249.678	9.0865	ppb	0.5802	6.4	31.9707	9.08652
Ba 389.178	6.5534	ppb	0.6688	10.2	1777.92	6.55342
Be 313.042	-0.2826	ppb	0.0115	4.1	-3491.35	-0.28255
Ca 370.602	497817	ppb	1140	0.2	1837695	-
Cd 226.502	4.3795	ppb	0.2785	6.4	647.883	4.37953
Co 228.615	-0.1666	ppb	0.2059	123.6	-2.1404	-0.16665
Cr 267.716	-0.6202	ppb	0.2343	37.8	-8.4175	-0.62017
Cu 324.754	3.3027	ppb	0.4381	13.3	-93.3579	3.30270
Fe 271.441	192354	ppb	187.943	0.1	170470	-
K 766.491	2.3578	ppb	0.2307	9.8	2035.61	2.35778
Mg 279.078	524402	ppb	1240.71	0.2	1107248	-
Mn 257.610	-0.3450	ppb	0.0972	28.2	3391.94	-0.34501
Mo 202.032	0.3667	ppb	0.5335	145.5	-7.9537	0.36666
Na 330.237	724.415	ppb	97.4701	13.5	12.6731	724.41541
Ni 231.604	7.2358	ppb	0.6731	9.3	30.0130	7.23580
Pb 220.353	6.0815	ppb	6.6616	109.5	-18.6421	6.08148
Sb 206.834	13.4530	ppb	3.7992	28.2	16.3271	13.45296
Se 196.026	-4.6293	ppb	3.5386	76.4	11.7030	-4.62931
Sn 189.925	-5.4145	ppb	2.6293	48.6	-8.1913	-5.41455
Sr 216.596	9.4209	ppb	0.6181	6.6	308.769	9.42091
Ti 334.941	0.9892	ppb	0.0502	5.1	1434.32	0.98918
Tl 190.794	-9.3765	ppb	8.8087	93.9	-24.6158	-9.37654
V 292.401	1.0811	ppb	0.3894	36.0	120.693	1.08110
Zn 206.200	6.2304	ppb	2.1522	34.5	18.5873	6.23036

Interf Check AB (ICSAB) **9/10/2014, 11:39:01 AM** **Rack S, Tube 6**

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

Label	Replicates Concentration		
Ag 328.068	224.049	225.047	223.932
Al 308.215	545473	546127	545417
As 188.980	85.3425	101.317	89.0017
B 249.678	7.9667u	7.9191u	7.4749u
Ba 389.178	520.442	521.417	520.251
Be 313.042	491.671	491.745	492.047
Ca 370.602	501702	502814	498574
Cd 226.502	955.478	955.290	957.454
Co 228.615	482.408	481.375	488.369
Cr 267.716	498.367	497.904	498.119
Cu 324.754	571.260	571.049	567.025
Fe 271.441	193858	193630	194034
K 766.491	2.0544	2.0975	2.2697
Mg 279.078	529713	528825	528069
Mn 257.610	522.881	522.968	523.031
Mo 202.032	1001.61	1005.71	1001.53
Na 330.237	593.053u	490.894u	490.001u
Ni 231.604	962.048	956.205	955.739
Pb 220.353	40.1252	45.4111	52.8378
Sb 206.834	629.806	645.167	635.181
Se 196.026	52.1572	47.4336	51.0714
Sn 189.925	1005.72	1005.62	1011.45
Sr 216.596	9.3631	9.8076	10.4826

Label	Replicates Concentration		
Ti 334.941	0.3525	0.3482	0.3487
Tl 190.794	96.7010	78.7364	88.7260
V 292.401	501.534	501.947	502.902
Zn 206.200	960.797	955.547	958.508

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Ag 328.068	224.343	ppb	0.6127	0.3	10729.4	112.17142
Al 308.215	545672	ppb	394.702	0.1	3092208	109.13445
As 188.980	91.8871	ppb	8.3690	9.1	37.6117	91.88707
B 249.678	7.7869	ppb	0.2712	3.5	21.1179	-
Ba 389.178	520.703	ppb	0.6250	0.1	12596.8	104.14065
Be 313.042	491.821	ppb	0.1992	0.0	1153188	98.36418
Ca 370.602	501030	ppb	2198	0.4	1849547	100.20595
Cd 226.502	956.074	ppb	1.1986	0.1	28470.8	95.60738
Co 228.615	484.051	ppb	3.7752	0.8	3691.60	96.81014
Cr 267.716	498.130	ppb	0.2317	0.0	12828.6	99.62604
Cu 324.754	569.778	ppb	2.3864	0.4	27328.0	113.95553
Fe 271.441	193841	ppb	202.312	0.1	171821	96.92036
K 766.491	2.1405	ppb	0.1139	5.3	2007.84	-
Mg 279.078	528869	ppb	822.815	0.2	1116678	105.77375
Mn 257.610	522.960	ppb	0.0752	0.0	75681.7	104.59202
Mo 202.032	1002.95	ppb	2.3919	0.2	5540.16	100.29517
Na 330.237	524.649	ppb	59.2413	11.3	-2.8067	-
Ni 231.604	957.997	ppb	3.5158	0.4	2636.07	95.79973
Pb 220.353	46.1247	ppb	6.3863	13.8	20.0698	92.24936
Sb 206.834	636.718	ppb	7.7951	1.2	529.321	106.11971
Se 196.026	50.2207	ppb	2.4741	4.9	30.7031	100.44145
Sn 189.925	1007.60	ppb	3.3375	0.3	538.877	100.75978
Sr 216.596	9.8844	ppb	0.5637	5.7	272.099	-
Ti 334.941	0.3498	ppb	0.0024	0.7	1219.78	-
Tl 190.794	88.0545	ppb	9.0011	10.2	24.1034	88.05447
V 292.401	502.128	ppb	0.7016	0.1	15988.2	100.42552
Zn 206.200	958.284	ppb	2.6321	0.3	1939.31	95.82838

LRA1 (Samp) **9/10/2014, 11:43:30 AM** **Rack S, Tube 7**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Replicates Concentration		
Ag 328.068	0.3095	0.3293	0.4004
Al 308.215	106.209	100.470	102.888
As 188.980	20613.9x	20370.2x	20601.2x
B 249.678	5144.36x	5170.46x	5193.72x
Ba 389.178	-2.0368u	-2.7246u	-3.2035u
Be 313.042	-1.6537u	-1.6747u	-1.6680u
Ca 370.602	541.3	524.6	530.2
Cd 226.502	0.5695	-0.0225	0.3096
Co 228.615	10291.5	10309.6	10321.9
Cr 267.716	2.5001	2.0070	2.3112
Cu 324.754	-0.2120u	-0.2341u	-0.2783u
Fe 271.441	-70.1387	-85.3677	-76.0668
K 766.491	1.3634	1.5212	1.5229
Mg 279.078	-0.5689u	-3.0425u	-9.5474u

Label	Replicates Concentration		
Mn 257.610	30008.8x	30093.5x	30107.8x
Mo 202.032	1.6866	1.7975	1.1437
Na 330.237	1735.01u	1680.67u	1517.73u
Ni 231.604	10330.2	10375.9	10396.8
Pb 220.353	20805.9x	20785.8x	20847.5x
Sb 206.834	5.5030	9.3023	4.7400
Se 196.026	-7.5096	0.0663	-0.1392
Sn 189.925	3.1128	9.7360	4.1574
Sr 216.596	-0.2387u	0.7824u	0.1828u
Ti 334.941	29208.4	29141.3	29247.9
Tl 190.794	-16.4205	-25.6832	-22.2958
V 292.401	-0.7874	-0.3134	-0.4967
Zn 206.200	-1.6660u	-1.3503u	-0.8140u

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	0.3464b	ppb	0.0478	13.8	79.7001
Al 308.215	103.189b	ppb	2.8816	2.8	925.751
As 188.980	20528.4xb	ppb	137.210	0.7	9822.31
B 249.678	5169.51xb	ppb	24.6922	0.5	70670.5
Ba 389.178	-2.6550b	ppb	0.5865	22.1	-74.2515
Be 313.042	-1.6655b	ppb	0.0107	0.6	-7004.94
Ca 370.602	532.0b	ppb	8.496	1.6	8335
Cd 226.502	0.2856b	ppb	0.2968	103.9	29.7170
Co 228.615	10307.7b	ppb	15.3010	0.1	79463.1
Cr 267.716	2.2728b	ppb	0.2488	10.9	63.1272
Cu 324.754	-0.2415b	ppb	0.0338	14.0	-354.391
Fe 271.441	-77.1911b	ppb	7.6765	9.9	639.066
K 766.491	1.4692b	ppb	0.0916	6.2	1922.00
Mg 279.078	-4.3863b	ppb	4.6377	105.7	12.8073
Mn 257.610	30070.0xb	ppb	53.5411	0.2	4152260
Mo 202.032	1.5426b	ppb	0.3498	22.7	14.3038
Na 330.237	1644.47b	ppb	113.073	6.9	-315.565
Ni 231.604	10367.6b	ppb	34.0362	0.3	28420.5
Pb 220.353	20813.0xb	ppb	31.5033	0.2	20588.6
Sb 206.834	6.5151b	ppb	2.4437	37.5	10.4229
Se 196.026	-2.5275b	ppb	4.3159	170.8	11.4701
Sn 189.925	5.6688b	ppb	3.5609	62.8	-2.2072
Sr 216.596	0.2422b	ppb	0.5131	211.9	-325.040
Ti 334.941	29199.2b	ppb	53.9014	0.2	10255153
Tl 190.794	-21.4665b	ppb	4.6867	21.8	-0.7006
V 292.401	-0.5325b	ppb	0.2390	44.9	361.600
Zn 206.200	-1.2768b	ppb	0.4307	33.7	-0.7925

LRA2 (Samp) **9/10/2014, 11:48:00 AM** **Rack S, Tube 8**

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

Label	Replicates Concentration		
Ag 328.068	-0.6819u	0.4649u	-0.2560u
Al 308.215	864628x	864788x	866300x
As 188.980	12.1506u	8.9694u	-14.3024u
B 249.678	68.3340	60.2568	53.4486
Ba 389.178	41.1630	39.4701	39.7160

Label	Replicates Concentration		
Be 313.042	-0.4025u	-0.3987u	-0.4027u
Ca 370.602	778647	782488	777042
Cd 226.502	25.1332	25.1483	23.9404
Co 228.615	-8.7329u	-10.1289u	-11.2433u
Cr 267.716	-8.7817u	-9.3821u	-9.7519u
Cu 324.754	7.8916u	6.9853u	8.6984u
Fe 271.441	924976	926349	924798
K 766.491	8.8431	8.8205	8.9380
Mg 279.078	803347	800953	804892
Mn 257.610	2.3031	2.1422	1.6468
Mo 202.032	1.1028u	-1.0028u	-1.5546u
Na 330.237	1535.61u	1513.61u	1622.54u
Ni 231.604	-1.4965	-1.6357	-2.9876
Pb 220.353	-12.8171u	7.4250u	-8.8885u
Sb 206.834	18.2650	5.4267	6.2023
Se 196.026	-26.7746	21.3953	3.6236
Sn 189.925	-2.8270u	-2.3713u	2.8533
Sr 216.596	17.1257	15.9575	21.1837
Ti 334.941	7.8413	7.0636	6.4777
Tl 190.794	-1.8296u	-0.4547u	-5.0916u
V 292.401	3.2650	3.3439	3.1297
Zn 206.200	2.7319	1.2802	3.3789

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.1577b	ppb	0.5797	367.6	-110.923
Al 308.215	865238xb	ppb	922.571	0.1	4902783
As 188.980	2.2726b	ppb	14.4422	635.5	-10.7406
B 249.678	60.6798b	ppb	7.4517	12.3	239.605
Ba 389.178	40.1164b	ppb	0.9147	2.3	4509.99
Be 313.042	-0.4013b	ppb	0.0023	0.6	-3629.24
Ca 370.602	779392b	ppb	2798	0.4	2868420
Cd 226.502	24.7406b	ppb	0.6931	2.8	3140.54
Co 228.615	-10.0350b	ppb	1.2578	12.5	-43.9489
Cr 267.716	-9.3052b	ppb	0.4896	5.3	-230.417
Cu 324.754	7.8584b	ppb	0.8570	10.9	-140.515
Fe 271.441	925374b	ppb	849.000	0.1	820017
K 766.491	8.8672b	ppb	0.0624	0.7	2867.88
Mg 279.078	803064b	ppb	1984.70	0.2	1694348
Mn 257.610	2.0307b	ppb	0.3421	16.8	6907.21
Mo 202.032	-0.4848b	ppb	1.4024	289.2	-73.1285
Na 330.237	1557.25b	ppb	57.5984	3.7	-269.142
Ni 231.604	-2.0400b	ppb	0.8237	40.4	30.6663
Pb 220.353	-4.7602b	ppb	10.7340	225.5	-50.6687
Sb 206.834	9.9647b	ppb	7.1988	72.2	13.5227
Se 196.026	-0.5852b	ppb	24.3592	4162.4	24.3066
Sn 189.925	-0.7817b	ppb	3.1562	403.8	-5.6905
Sr 216.596	18.0890b	ppb	2.7430	15.2	932.588
Ti 334.941	7.1275b	ppb	0.6841	9.6	4302.66
Tl 190.794	-2.4586b	ppb	2.3816	96.9	-54.2463
V 292.401	3.2462b	ppb	0.1083	3.3	500.416
Zn 206.200	2.4637b	ppb	1.0748	43.6	27.1789

K NA ZN (Samp) **9/10/2014, 11:52:31 AM** **Rack S, Tube 9**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Replicates Concentration		
Ag 328.068	-0.0850u	0.0676	-0.0740u
Al 308.215	104.997	93.0370	86.8793
As 188.980	9.4615	8.2437	8.0867
B 249.678	13.1710	12.7418	11.0731
Ba 389.178	-0.6108u	-0.3186u	0.4136
Be 313.042	-0.0445u	-0.0591u	-0.0535u
Ca 370.602	95.04	86.62	74.50
Cd 226.502	-0.0255u	-0.0106u	-0.0840u
Co 228.615	-0.2314u	0.1997	0.2041
Cr 267.716	0.1995	0.1690	0.0476
Cu 324.754	0.4350	0.1490	0.5472
Fe 271.441	125.913	117.505	102.093
K 766.491	42473.1x	42832.4x	43374.6x
Mg 279.078	96.2184	84.2610	79.3458
Mn 257.610	0.2380	0.1646	0.1009
Mo 202.032	0.0814	-0.3057u	0.4804
Na 330.237	104241x	105476x	105996x
Ni 231.604	-0.3735u	0.7421	0.1470
Pb 220.353	5.8745	4.8425	2.5803
Sb 206.834	1.1581	2.0906	4.7331
Se 196.026	-3.5257u	-3.6254u	10.2029
Sn 189.925	-0.0730u	3.7881	1.6540
Sr 216.596	0.4961	0.1624	0.0498
Ti 334.941	1.3967	1.2951	1.2323
Tl 190.794	-0.5371u	-4.6352u	-0.9163u
V 292.401	0.0255u	0.1017	0.1334
Zn 206.200	31461.0x	31642.3x	31658.5x

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.0305b	ppb	0.0851	279.4	-11.0482
Al 308.215	94.9710b	ppb	9.2121	9.7	878.720
As 188.980	8.5973b	ppb	0.7525	8.8	-1.1104
B 249.678	12.3287b	ppb	1.1083	9.0	206.419
Ba 389.178	-0.1719b	ppb	0.5277	306.9	-23.4497
Be 313.042	-0.0524b	ppb	0.0074	14.1	-3209.18
Ca 370.602	85.39b	ppb	10.33	12.1	311.3
Cd 226.502	-0.0400b	ppb	0.0388	97.0	17.2108
Co 228.615	0.0575b	ppb	0.2502	435.3	-9.2718
Cr 267.716	0.1387b	ppb	0.0804	58.0	8.9726
Cu 324.754	0.3771b	ppb	0.2053	54.5	243.632
Fe 271.441	115.170b	ppb	12.0806	10.5	122.756
K 766.491	42893.4xb	ppb	453.853	1.1	5485863
Mg 279.078	86.6084b	ppb	8.6778	10.0	206.756
Mn 257.610	0.1678b	ppb	0.0686	40.9	66.9858
Mo 202.032	0.0854b	ppb	0.3931	460.4	6.3148
Na 330.237	105238xb	ppb	901.183	0.9	6222.31
Ni 231.604	0.1719b	ppb	0.5583	324.8	3.6808
Pb 220.353	4.4324b	ppb	1.6850	38.0	4.0483
Sb 206.834	2.6606b	ppb	1.8544	69.7	7.1659
Se 196.026	1.0172b	ppb	7.9552	782.0	8.5306

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Sn 189.925	1.7897b	ppb	1.9341	108.1	-4.2774
Sr 216.596	0.2361b	ppb	0.2321	98.3	4.0350
Ti 334.941	1.3080b	ppb	0.0830	6.3	369.706
Tl 190.794	-2.0295b	ppb	2.2646	111.6	-8.0581
V 292.401	0.0869b	ppb	0.0555	63.9	4.1874
Zn 206.200	31587.3xb	ppb	109.631	0.3	63766.5

Cont Calib Verif (CCV) **9/10/2014, 11:56:59 AM** **Rack 1, Tube 1**

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

Label	Replicates Concentration		
Ag 328.068	503.862	509.237	506.901
Al 308.215	4956.88	4950.98	4973.96
As 188.980	501.918	487.665	490.141
B 249.678	511.242	512.910	515.932
Ba 389.178	5009.70	5011.53	5025.82
Be 313.042	501.966	501.394	502.029
Ca 370.602	5024	5005	5043
Cd 226.502	500.542	500.318	502.887
Co 228.615	500.310	501.836	503.403
Cr 267.716	5018.74	5018.63	5041.48
Cu 324.754	4990.92	5035.52	4975.72
Fe 271.441	5014.15	5012.79	5035.25
K 766.491	10042.4	10060.2	10093.5
Mg 279.078	4978.80	4996.57	5003.75
Mn 257.610	5106.37	5090.54	5112.08
Mo 202.032	504.100	506.170	508.270
Na 330.237	7345.57	7172.69	7367.72
Ni 231.604	2543.28	2534.88	2543.49
Pb 220.353	503.449	504.509	502.770
Sb 206.834	960.838	948.841	962.888
Se 196.026	5021.99	5023.69	5056.22
Sn 189.925	4981.24	4991.66	5029.14
Sr 216.596	2515.05	2509.59	2524.47
Ti 334.941	494.983	494.989	497.243
Tl 190.794	5071.98	5097.00	5062.66
V 292.401	4992.01	4993.99	5011.53
Zn 206.200	2530.40	2528.77	2534.27

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Ag 328.068	506.667	ppb	2.6956	0.5	24316.5	101.33334
Al 308.215	4960.61	ppb	11.9346	0.2	28733.6	99.21215
As 188.980	493.241	ppb	7.6152	1.5	230.984	98.64830
B 249.678	513.361	ppb	2.3776	0.5	7061.65	102.67229
Ba 389.178	5015.69	ppb	8.8255	0.2	105378	100.31374
Be 313.042	501.796	ppb	0.3499	0.1	1177831	100.35925
Ca 370.602	5024	ppb	18.67	0.4	18608	100.47911
Cd 226.502	501.249	ppb	1.4232	0.3	14683.3	100.24978
Co 228.615	501.850	ppb	1.5467	0.3	3836.29	100.36996
Cr 267.716	5026.29	ppb	13.1611	0.3	129373	100.52575
Cu 324.754	5000.72	ppb	31.0810	0.6	242137	100.01443
Fe 271.441	5020.73	ppb	12.5948	0.3	4520.53	100.41459

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
K 766.491	10065.4	ppb	25.9275	0.3	1288639	100.65356
Mg 279.078	4993.04	ppb	12.8420	0.3	10559.9	99.86080
Mn 257.610	5103.00	ppb	11.1564	0.2	704729	102.05991
Mo 202.032	506.180	ppb	2.0850	0.4	2804.51	101.23601
Na 330.237	7295.33	ppb	106.784	1.5	472.596	97.27105
Ni 231.604	2540.55	ppb	4.9100	0.2	6966.90	101.62202
Pb 220.353	503.576	ppb	0.8767	0.2	499.637	100.71516
Sb 206.834	957.522	ppb	7.5880	0.8	837.596	95.75221
Se 196.026	5033.97	ppb	19.2911	0.4	1742.49	100.67937
Sn 189.925	5000.68	ppb	25.1880	0.5	2695.31	100.01364
Sr 216.596	2516.37	ppb	7.5244	0.3	18138.5	100.65489
Ti 334.941	495.738	ppb	1.3032	0.3	174042	99.14768
Tl 190.794	5077.21	ppb	17.7579	0.3	2519.62	101.54427
V 292.401	4999.18	ppb	10.7422	0.2	160616	99.98354
Zn 206.200	2531.15	ppb	2.8253	0.1	5099.28	101.24602

Cont Calib Blank (CCB) **9/10/2014, 12:01:26 PM** **Rack 1, Tube 2**

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

Label	Replicates	Concentration	
Ag 328.068	-0.3646u	-0.0038u	0.1797
Al 308.215	1.4111	2.8801	3.2044
As 188.980	-3.8225u	-2.0061u	6.8132
B 249.678	9.0292	7.9406	7.4900
Ba 389.178	0.9056	1.0123	0.1383
Be 313.042	0.0147	0.0020	-0.0000u
Ca 370.602	9.280	6.128	4.909
Cd 226.502	0.0946	0.0338	0.3422
Co 228.615	-0.7330u	0.4576	-0.1924u
Cr 267.716	0.5037	0.3565	0.5426
Cu 324.754	0.4597	0.3807	0.4124
Fe 271.441	9.2255	-6.0004u	1.3698
K 766.491	0.5396	0.5640	0.4801
Mg 279.078	1.8468	-0.9285u	0.2743
Mn 257.610	0.1367	0.1308	0.1149
Mo 202.032	0.5752	1.0585	1.0893
Na 330.237	-44.0736u	197.462	7.1494
Ni 231.604	-0.4383u	0.4454	1.2126
Pb 220.353	2.5392	3.4555	1.0112
Sb 206.834	2.9753	4.5452	4.7024
Se 196.026	-2.0473u	-6.3274u	0.2561
Sn 189.925	3.3101	3.6925	5.3713
Sr 216.596	0.3993	-0.0415u	-0.1054u
Ti 334.941	0.2532	0.2688	0.2847
Tl 190.794	3.1512	0.8125	3.3218
V 292.401	0.6103	0.6627	0.2636
Zn 206.200	-0.0474u	0.3157	-0.7630u

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Ag 328.068	-0.0629	ppb	0.2769	440.2	-12.5908	-0.06291
Al 308.215	2.4985	ppb	0.9556	38.2	354.844	2.49854
As 188.980	0.3282	ppb	5.6891	1733.6	-5.0681	0.32817

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
B 249.678	8.1533	ppb	0.7914	9.7	149.397	8.15327
Ba 389.178	0.6854	ppb	0.4768	69.6	-5.8567	0.68541
Be 313.042	0.0056	ppb	0.0080	143.6	-3058.50	0.00557
Ca 370.602	6.772	ppb	2.256	33.3	22.01	6.77228
Cd 226.502	0.1569	ppb	0.1633	104.1	23.1109	0.15687
Co 228.615	-0.1559	ppb	0.5961	382.3	-10.9641	-0.15594
Cr 267.716	0.4676	ppb	0.0982	21.0	16.7759	0.46760
Cu 324.754	0.4176	ppb	0.0398	9.5	245.699	0.41761
Fe 271.441	1.5316	ppb	7.6143	497.1	22.0463	1.53164
K 766.491	0.5279	ppb	0.0431	8.2	1801.66	0.52791
Mg 279.078	0.3975	ppb	1.3917	350.1	24.8938	0.39751
Mn 257.610	0.1275	ppb	0.0113	8.8	61.0021	0.12747
Mo 202.032	0.9077	ppb	0.2883	31.8	10.8746	0.90766
Na 330.237	53.5127	ppb	127.268	237.8	59.5936	53.51266
Ni 231.604	0.4066	ppb	0.8261	203.2	4.2888	0.40657
Pb 220.353	2.3353	ppb	1.2349	52.9	1.9774	2.33529
Sb 206.834	4.0743	ppb	0.9550	23.4	8.3489	4.07432
Se 196.026	-2.7062	ppb	3.3409	123.5	7.2465	-2.70619
Sn 189.925	4.1246	ppb	1.0964	26.6	-3.0395	4.12464
Sr 216.596	0.0842	ppb	0.2748	326.6	2.8248	0.08415
Ti 334.941	0.2689	ppb	0.0157	5.8	14.2925	0.26890
Tl 190.794	2.4285	ppb	1.4021	57.7	-5.8379	2.42848
V 292.401	0.5122	ppb	0.2169	42.3	18.5461	0.51219
Zn 206.200	-0.1649	ppb	0.5489	332.8	1.4385	-0.16491

280-59586-b-8-a^20 (Samp) **9/10/2014, 12:05:53 PM** **Rack 1, Tube 3**

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

Label	Replicates Concentration		
Ag 328.068	0.2716	-0.4295u	-0.3497u
Al 308.215	4.4842	4.3671	2.8875
As 188.980	2.7172	-0.4255u	8.1234
B 249.678	11.9055	11.4084	10.5109
Ba 389.178	5.2292	4.2544	5.5799
Be 313.042	-0.0198u	-0.0474u	-0.0209u
Ca 370.602	114.0	109.1	106.7
Cd 226.502	-0.0685u	-0.0252u	-0.0403u
Co 228.615	-0.0387u	0.2247	0.6578
Cr 267.716	0.0110	0.1025	0.0878
Cu 324.754	0.2501	0.0647	0.0973
Fe 271.441	7.2213	9.8385	6.1413
K 766.491	57.5095	56.2290	52.9445
Mg 279.078	6.7282	10.0326	7.4202
Mn 257.610	0.8956	0.8050	0.7177
Mo 202.032	-0.2366u	-0.2691u	-0.4141u
Na 330.237	17434.0	16925.2	15966.8
Ni 231.604	-0.1181u	0.1717	-1.1175u
Pb 220.353	4.0152	7.2328	-0.2708u
Sb 206.834	2.5502	-0.1367u	4.2828
Se 196.026	8.4759	-9.1249u	-3.7773u
Sn 189.925	4.7550	-1.4109u	0.0650
Sr 216.596	15.5566	14.9389	13.9849

Label	Replicates Concentration		
Ti 334.941	0.1823	0.2085	0.1428
Tl 190.794	1.4572	9.7047	2.0201
V 292.401	0.3105	-0.0818u	0.0451
Zn 206.200	0.2652	-1.4247u	-0.0469u

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.1692	ppb	0.3838	226.8	-17.6894
Al 308.215	3.9129	ppb	0.8900	22.7	362.760
As 188.980	3.4717	ppb	4.3241	124.6	-3.5635
B 249.678	11.2749	ppb	0.7068	6.3	192.021
Ba 389.178	5.0212	ppb	0.6868	13.7	85.2545
Be 313.042	-0.0294	ppb	0.0156	53.1	-3142.57
Ca 370.602	109.9	ppb	3.751	3.4	403.2
Cd 226.502	-0.0447	ppb	0.0220	49.2	17.1758
Co 228.615	0.2813	ppb	0.3517	125.0	-7.5892
Cr 267.716	0.0671	ppb	0.0491	73.2	6.6036
Cu 324.754	0.1374	ppb	0.0990	72.0	232.024
Fe 271.441	7.7337	ppb	1.9012	24.6	27.5300
K 766.491	55.5610	ppb	2.3546	4.2	8837.90
Mg 279.078	8.0603	ppb	1.7427	21.6	41.0644
Mn 257.610	0.8061	ppb	0.0890	11.0	154.723
Mo 202.032	-0.3066	ppb	0.0945	30.8	4.1542
Na 330.237	16775.3	ppb	744.949	4.4	1054.27
Ni 231.604	-0.3547	ppb	0.6764	190.7	2.2026
Pb 220.353	3.6591	ppb	3.7644	102.9	3.2884
Sb 206.834	2.2321	ppb	2.2269	99.8	6.8096
Se 196.026	-1.4754	ppb	9.0233	611.6	7.6710
Sn 189.925	1.1364	ppb	3.2195	283.3	-4.6500
Sr 216.596	14.8268	ppb	0.7919	5.3	109.625
Ti 334.941	0.1778	ppb	0.0331	18.6	-19.0566
Tl 190.794	4.3940	ppb	4.6078	104.9	-4.8615
V 292.401	0.0913	ppb	0.2002	219.4	5.1788
Zn 206.200	-0.4021	ppb	0.8992	223.6	0.9608

280-59586-b-8-aSD (Samp) **9/10/2014, 12:10:20 PM** **Rack 1, Tube 4**

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

Label	Replicates Concentration		
Ag 328.068	-0.1843u	-0.5383u	0.2222
Al 308.215	2.3634	0.8438	1.8483
As 188.980	2.0461	4.7946	2.5425
B 249.678	4.3774	3.6536	4.0560
Ba 389.178	0.8238	0.2132	0.5124
Be 313.042	-0.0269u	-0.0326u	-0.0242u
Ca 370.602	20.25	22.31	21.53
Cd 226.502	-0.0656u	-0.0885u	-0.0583u
Co 228.615	0.5984	0.0771	0.0532
Cr 267.716	-0.1709u	-0.0384u	-0.0425u
Cu 324.754	0.2763	-0.1774u	0.3299
Fe 271.441	-3.0538u	-2.1623u	0.1275
K 766.491	8.6334	8.6947	8.5772
Mg 279.078	6.7956	2.9299	1.4419

Label	Replicates Concentration		
Mn 257.610	-0.0447u	-0.1017u	-0.0072u
Mo 202.032	-0.5655u	-0.1366u	0.2423
Na 330.237	2256.27	2302.35	2376.42
Ni 231.604	1.6587	1.5594	-0.9959u
Pb 220.353	2.8308	-0.9560u	4.9592
Sb 206.834	-1.5179u	-0.7171u	-0.4467u
Se 196.026	-1.3578u	-11.9052u	-6.4319u
Sn 189.925	3.3601	-2.7942u	-0.4380u
Sr 216.596	1.8043	1.9352	2.2186
Ti 334.941	0.1477	0.1221	0.1587
Tl 190.794	6.2863	-3.1112u	-1.8316u
V 292.401	0.2923	0.0306	-0.1130u
Zn 206.200	-0.6189u	0.1167	-2.4197u

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.1668	ppb	0.3806	228.1	-17.5745
Al 308.215	1.6852	ppb	0.7728	45.9	350.150
As 188.980	3.1278	ppb	1.4647	46.8	-3.7281
B 249.678	4.0290	ppb	0.3627	9.0	92.9965
Ba 389.178	0.5165	ppb	0.3053	59.1	-9.3991
Be 313.042	-0.0279	ppb	0.0043	15.4	-3137.44
Ca 370.602	21.36	ppb	1.035	4.8	75.91
Cd 226.502	-0.0708	ppb	0.0157	22.2	16.4494
Co 228.615	0.2429	ppb	0.3081	126.8	-7.8873
Cr 267.716	-0.0839	ppb	0.0753	89.8	2.5979
Cu 324.754	0.1429	ppb	0.2787	195.0	232.381
Fe 271.441	-1.6962	ppb	1.6410	96.7	19.1742
K 766.491	8.6351	ppb	0.0588	0.7	2838.20
Mg 279.078	3.7225	ppb	2.7634	74.2	31.9148
Mn 257.610	-0.0512	ppb	0.0476	93.0	36.3508
Mo 202.032	-0.1533	ppb	0.4042	263.7	5.0033
Na 330.237	2311.68	ppb	60.6169	2.6	193.923
Ni 231.604	0.7407	ppb	1.5048	203.1	5.2048
Pb 220.353	2.2780	ppb	2.9961	131.5	1.9214
Sb 206.834	-0.8939	ppb	0.5571	62.3	4.1640
Se 196.026	-6.5649	ppb	5.2750	80.4	5.9177
Sn 189.925	0.0426	ppb	3.1052	7284.6	-5.2435
Sr 216.596	1.9860	ppb	0.2118	10.7	16.5955
Ti 334.941	0.1428	ppb	0.0188	13.1	-30.1663
Tl 190.794	0.4478	ppb	5.0966	1138.1	-6.8221
V 292.401	0.0700	ppb	0.2055	293.6	4.5749
Zn 206.200	-0.9740	ppb	1.3050	134.0	-0.1934

280-59586-b-8-b ms (Samp) **9/10/2014, 12:14:47 PM** **Rack 1, Tube 5**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Replicates Concentration		
Ag 328.068	3.0359	3.1915	2.8911
Al 308.215	310.545	300.841	289.914
As 188.980	11.4002	4.7903	6.5630
B 249.678	21.5285	20.5382	20.4010
Ba 389.178	10.7025	10.5040	10.5370

Label	Replicates Concentration		
Be 313.042	3.1006	2.9813	2.9082
Ca 370.602	417.1	398.0	384.8
Cd 226.502	3.3337	3.0406	2.8770
Co 228.615	3.3272	2.5768	3.3793
Cr 267.716	6.0863	6.2987	5.8422
Cu 324.754	6.2873	6.2171	5.8439
Fe 271.441	321.327	312.141	297.261
K 766.491	377.377	366.210	355.616
Mg 279.078	316.488	310.769	297.100
Mn 257.610	33.1167	32.0391	30.9881
Mo 202.032	6.0712	5.5969	5.9340
Na 330.237	16780.8	16124.2	15564.4
Ni 231.604	6.9111	6.1289	6.3275
Pb 220.353	2.7071	0.6336	6.7427
Sb 206.834	9.0928	9.7517	2.6265
Se 196.026	4.5356	3.5681	0.6390
Sn 189.925	13.0495	14.9405	12.0878
Sr 216.596	21.6289	20.1561	19.6544
Ti 334.941	6.3905	6.2054	5.9593
Tl 190.794	3.1204	5.4236	-2.0840u
V 292.401	6.3568	6.0339	6.0908
Zn 206.200	5.9573	5.1188	5.2072

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	3.0395	ppb	0.1502	4.9	136.268
Al 308.215	300.433	ppb	10.3218	3.4	2043.54
As 188.980	7.5845	ppb	3.4213	45.1	-1.5953
B 249.678	20.8226	ppb	0.6152	3.0	322.313
Ba 389.178	10.5811	ppb	0.1064	1.0	203.383
Be 313.042	2.9967	ppb	0.0971	3.2	3971.18
Ca 370.602	400.0	ppb	16.24	4.1	1473
Cd 226.502	3.0838	ppb	0.2314	7.5	109.408
Co 228.615	3.0944	ppb	0.4491	14.5	13.9669
Cr 267.716	6.0757	ppb	0.2284	3.8	161.252
Cu 324.754	6.1161	ppb	0.2383	3.9	520.976
Fe 271.441	310.243	ppb	12.1445	3.9	295.811
K 766.491	366.401	ppb	10.8818	3.0	48580.3
Mg 279.078	308.119	ppb	9.9620	3.2	674.222
Mn 257.610	32.0480	ppb	1.0643	3.3	4471.12
Mo 202.032	5.8674	ppb	0.2440	4.2	38.2945
Na 330.237	16156.5	ppb	608.845	3.8	1017.21
Ni 231.604	6.4558	ppb	0.4066	6.3	20.8806
Pb 220.353	3.3612	ppb	3.1066	92.4	2.9734
Sb 206.834	7.1570	ppb	3.9373	55.0	10.9063
Se 196.026	2.9142	ppb	2.0289	69.6	9.1925
Sn 189.925	13.3593	ppb	1.4514	10.9	1.9508
Sr 216.596	20.4798	ppb	1.0263	5.0	150.536
Ti 334.941	6.1850	ppb	0.2163	3.5	2091.51
Tl 190.794	2.1533	ppb	3.8461	178.6	-5.9803
V 292.401	6.1605	ppb	0.1724	2.8	199.023
Zn 206.200	5.4277	ppb	0.4607	8.5	12.7214

280-59586-b-8-c msd (Samp) **9/10/2014, 12:19:15 PM** **Rack 1, Tube 6**

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

Label	Replicates Concentration		
Ag 328.068	3.3170	3.2750	2.9380
Al 308.215	318.316	314.194	305.589
As 188.980	5.1716	5.5016	10.4817
B 249.678	21.9329	21.4658	20.6548
Ba 389.178	11.4554	12.2039	11.2153
Be 313.042	3.1997	3.1469	3.0418
Ca 370.602	421.7	416.9	407.1
Cd 226.502	3.2916	3.1334	3.1238
Co 228.615	2.8372	3.2175	3.0500
Cr 267.716	6.4324	5.9338	6.2193
Cu 324.754	6.6822	6.5011	6.4561
Fe 271.441	338.595	334.766	317.919
K 766.491	389.433	382.170	370.556
Mg 279.078	325.884	325.292	314.665
Mn 257.610	34.1174	33.3914	32.5292
Mo 202.032	6.2373	5.0992	6.4286
Na 330.237	16658.4	16536.6	16130.8
Ni 231.604	7.5383	7.0817	6.2745
Pb 220.353	8.6069	6.5409	8.5879
Sb 206.834	4.7874	3.7396	5.3610
Se 196.026	8.0891	-13.2776u	5.9260
Sn 189.925	11.8817	10.0577	15.2849
Sr 216.596	21.6363	20.5455	20.7521
Ti 334.941	6.4676	6.4532	6.1813
Tl 190.794	-1.5133u	4.3121	0.9586
V 292.401	6.7471	6.4849	6.3411
Zn 206.200	6.3362	6.1321	4.9272

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	3.1766	ppb	0.2078	6.5	142.846
Al 308.215	312.700	ppb	6.4940	2.1	2113.06
As 188.980	7.0516	ppb	2.9751	42.2	-1.8505
B 249.678	21.3512	ppb	0.6467	3.0	329.501
Ba 389.178	11.6249	ppb	0.5157	4.4	225.374
Be 313.042	3.1295	ppb	0.0804	2.6	4283.33
Ca 370.602	415.2	ppb	7.459	1.8	1529
Cd 226.502	3.1830	ppb	0.0943	3.0	112.350
Co 228.615	3.0349	ppb	0.1906	6.3	13.5120
Cr 267.716	6.1952	ppb	0.2502	4.0	164.327
Cu 324.754	6.5465	ppb	0.1196	1.8	541.780
Fe 271.441	330.427	ppb	11.0002	3.3	313.696
K 766.491	380.720	ppb	9.5217	2.5	50411.0
Mg 279.078	321.947	ppb	6.3132	2.0	703.395
Mn 257.610	33.3460	ppb	0.7951	2.4	4650.47
Mo 202.032	5.9217	ppb	0.7187	12.1	38.5935
Na 330.237	16441.9	ppb	276.267	1.7	1034.18
Ni 231.604	6.9648	ppb	0.6400	9.2	22.2763
Pb 220.353	7.9119	ppb	1.1874	15.0	7.4770
Sb 206.834	4.6294	ppb	0.8222	17.8	8.7694
Se 196.026	0.2458	ppb	11.7615	4784.2	8.2741

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Sn 189.925	12.4081	ppb	2.6530	21.4	1.4372
Sr 216.596	20.9779	ppb	0.5794	2.8	154.140
Ti 334.941	6.3674	ppb	0.1613	2.5	2155.54
Tl 190.794	1.2525	ppb	2.9238	233.4	-6.4283
V 292.401	6.5243	ppb	0.2059	3.2	210.730
Zn 206.200	5.7985	ppb	0.7615	13.1	13.4700

280-59586-b-3-a^20 (Samp) **9/10/2014, 12:23:43 PM** **Rack 1, Tube 7**

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

Label	Replicates Concentration		
Ag 328.068	-0.2461u	-0.0758u	0.1177
Al 308.215	10.8180	12.6352	10.8615
As 188.980	3.4563	0.1490	2.1405
B 249.678	9.3930	9.3812	8.9046
Ba 389.178	26.2142	25.7729	24.4724
Be 313.042	-0.0337u	-0.0366u	-0.0289u
Ca 370.602	195.8	190.1	183.1
Cd 226.502	0.0404	0.0830	-0.1298u
Co 228.615	-0.2057u	-0.2735u	0.1007
Cr 267.716	0.2237	-0.2657u	-0.0319u
Cu 324.754	0.0197	0.1600	0.3309
Fe 271.441	12.6879	29.2451	13.0458
K 766.491	162.167	160.078	154.140
Mg 279.078	46.6932	40.7320	42.7207
Mn 257.610	0.7538	0.6868	0.6741
Mo 202.032	-0.2655u	0.0361	0.2898
Na 330.237	34327.8	33904.9	32369.3
Ni 231.604	-0.2972u	0.2806	0.9106
Pb 220.353	1.8509	2.7018	3.2745
Sb 206.834	-5.0106u	-0.2708u	-0.6617u
Se 196.026	-3.3272u	-5.2154u	-0.2215u
Sn 189.925	-2.2744u	-2.2596u	-0.5570u
Sr 216.596	32.9937	31.9860	30.9024
Ti 334.941	0.2061	0.1466	0.1744
Tl 190.794	3.2232	1.8298	3.2301
V 292.401	0.2863	0.1607	0.1373
Zn 206.200	-0.3291u	-0.3432u	-0.9113u

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.0681	ppb	0.1820	267.4	-12.8382
Al 308.215	11.4382	ppb	1.0368	9.1	405.431
As 188.980	1.9153	ppb	1.6651	86.9	-4.3086
B 249.678	9.2263	ppb	0.2786	3.0	163.981
Ba 389.178	25.4865	ppb	0.9055	3.6	515.280
Be 313.042	-0.0331	ppb	0.0039	11.8	-3153.38
Ca 370.602	189.7	ppb	6.342	3.3	697.9
Cd 226.502	-0.0022	ppb	0.1126	5200.3	18.3722
Co 228.615	-0.1262	ppb	0.1994	158.0	-10.7198
Cr 267.716	-0.0246	ppb	0.2448	993.5	4.3783
Cu 324.754	0.1702	ppb	0.1559	91.6	233.538
Fe 271.441	18.3263	ppb	9.4577	51.6	36.9133

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
K 766.491	158.795	ppb	4.1646	2.6	22036.9
Mg 279.078	43.3820	ppb	3.0351	7.0	115.655
Mn 257.610	0.7049	ppb	0.0428	6.1	140.921
Mo 202.032	0.0201	ppb	0.2780	1382.0	5.9617
Na 330.237	33534.0	ppb	1030.57	3.1	2051.15
Ni 231.604	0.2980	ppb	0.6041	202.7	3.9917
Pb 220.353	2.6090	ppb	0.7163	27.5	2.2484
Sb 206.834	-1.9810	ppb	2.6310	132.8	3.2423
Se 196.026	-2.9214	ppb	2.5215	86.3	7.1735
Sn 189.925	-1.6970	ppb	0.9873	58.2	-6.1768
Sr 216.596	31.9607	ppb	1.0459	3.3	233.675
Ti 334.941	0.1757	ppb	0.0298	17.0	-21.1574
Tl 190.794	2.7610	ppb	0.8065	29.2	-5.6733
V 292.401	0.1948	ppb	0.0801	41.1	8.2995
Zn 206.200	-0.5279	ppb	0.3321	62.9	0.7073

280-59586-b-7-a^20 (Samp) **9/10/2014, 12:28:12 PM** **Rack 1, Tube 8**

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

Label	Replicates Concentration		
Ag 328.068	-0.5726u	0.0796	0.0490
Al 308.215	5.8464	4.8040	2.9901
As 188.980	3.1325	10.7068	7.2187
B 249.678	10.0611	9.9866	9.9144
Ba 389.178	34.6721	33.9621	32.9604
Be 313.042	-0.0552u	-0.0640u	-0.0444u
Ca 370.602	193.0	190.4	182.9
Cd 226.502	-0.1726u	0.0492	-0.0394u
Co 228.615	0.5670	0.0248	0.3401
Cr 267.716	0.0889	0.0806	0.0481
Cu 324.754	0.0584	0.3647	0.2712
Fe 271.441	12.8434	22.2383	20.3708
K 766.491	130.484	127.400	122.890
Mg 279.078	43.9316	45.7744	41.4256
Mn 257.610	0.3427	0.3182	0.2956
Mo 202.032	0.1761	-0.8007u	-0.4756u
Na 330.237	32064.6	31258.2	30065.1
Ni 231.604	0.8047	1.5107	1.5729
Pb 220.353	0.6613	0.6652	-2.9146u
Sb 206.834	6.2416	-0.9310u	-0.5716u
Se 196.026	-7.9313u	-1.3153u	-3.2296u
Sn 189.925	4.0330	1.4843	0.5018
Sr 216.596	33.5753	31.8361	31.7959
Ti 334.941	0.0875	0.1011	0.0860
Tl 190.794	3.9801	-1.1247u	-1.9577u
V 292.401	0.0163	-0.1399u	0.0937
Zn 206.200	-0.9596u	1.1141	-0.5393u

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.1480	ppb	0.3680	248.6	-16.6745
Al 308.215	4.5468	ppb	1.4454	31.8	366.346
As 188.980	7.0193	ppb	3.7911	54.0	-1.8652

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
B 249.678	9.9874	ppb	0.0734	0.7	174.406
Ba 389.178	33.8649	ppb	0.8600	2.5	691.290
Be 313.042	-0.0546	ppb	0.0098	18.0	-3203.58
Ca 370.602	188.7	ppb	5.235	2.8	694.5
Cd 226.502	-0.0542	ppb	0.1116	205.8	16.8632
Co 228.615	0.3106	ppb	0.2723	87.7	-7.3644
Cr 267.716	0.0725	ppb	0.0216	29.8	6.8608
Cu 324.754	0.2314	ppb	0.1570	67.8	236.499
Fe 271.441	18.4842	ppb	4.9735	26.9	37.0871
K 766.491	126.924	ppb	3.8192	3.0	17962.1
Mg 279.078	43.7106	ppb	2.1828	5.0	116.347
Mn 257.610	0.3188	ppb	0.0236	7.4	87.6182
Mo 202.032	-0.3668	ppb	0.4974	135.6	3.8207
Na 330.237	31129.3	ppb	1005.99	3.2	1908.11
Ni 231.604	1.2961	ppb	0.4267	32.9	6.7275
Pb 220.353	-0.5294	ppb	2.0657	390.2	-0.8575
Sb 206.834	1.5797	ppb	4.0413	255.8	6.2589
Se 196.026	-4.1587	ppb	3.4045	81.9	6.7474
Sn 189.925	2.0063	ppb	1.8226	90.8	-4.1774
Sr 216.596	32.4024	ppb	1.0159	3.1	236.845
Ti 334.941	0.0915	ppb	0.0083	9.1	-50.4915
Tl 190.794	0.2992	ppb	3.2148	1074.5	-6.8961
V 292.401	-0.0099	ppb	0.1190	1197.2	1.8140
Zn 206.200	-0.1283	ppb	1.0962	854.6	1.5137

280-59586-b-6-a^20 (Samp) **9/10/2014, 12:32:40 PM** **Rack 1, Tube 9**

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

Label	Replicates Concentration		
Ag 328.068	-0.0708u	0.1174	0.2616
Al 308.215	4.0677	3.4389	5.8031
As 188.980	-2.2305u	4.1872	3.1299
B 249.678	12.2380	11.6798	11.6997
Ba 389.178	21.4372	20.5706	19.1263
Be 313.042	-0.0569u	-0.0476u	-0.0463u
Ca 370.602	169.2	160.8	154.9
Cd 226.502	-0.0929u	0.1850	0.0423
Co 228.615	-0.3361u	-0.5938u	0.0065
Cr 267.716	0.0014	-0.0022	-0.2022u
Cu 324.754	0.3091	0.4493	0.0727
Fe 271.441	21.9170	16.4836	17.3127
K 766.491	129.616	126.000	121.454
Mg 279.078	31.1577	30.0841	31.8758
Mn 257.610	0.2770	0.3677	0.2525
Mo 202.032	-0.2679u	-0.1449u	0.0513
Na 330.237	33989.7	33026.5	31841.8
Ni 231.604	-0.2573u	-0.0998u	1.7253
Pb 220.353	6.0300	2.1083	3.1765
Sb 206.834	3.7209	1.3082	-1.2908u
Se 196.026	-2.2309u	8.1237	1.6041
Sn 189.925	0.1062	4.8753	1.8258
Sr 216.596	29.9424	28.7080	28.3134

Label	Replicates Concentration		
Ti 334.941	0.1276	0.0582	0.1139
Tl 190.794	4.2871	2.1996	0.9808
V 292.401	0.1453	0.0290	0.2359
Zn 206.200	1.2423	0.0262	-0.3239u

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	0.1027	ppb	0.1667	162.2	-4.6496
Al 308.215	4.4366	ppb	1.2245	27.6	365.747
As 188.980	1.6956	ppb	3.4409	202.9	-4.4138
B 249.678	11.8725	ppb	0.3167	2.7	200.156
Ba 389.178	20.3780	ppb	1.1675	5.7	407.940
Be 313.042	-0.0503	ppb	0.0058	11.5	-3193.74
Ca 370.602	161.6	ppb	7.189	4.4	594.1
Cd 226.502	0.0448	ppb	0.1389	310.0	19.7585
Co 228.615	-0.3078	ppb	0.3011	97.8	-12.1113
Cr 267.716	-0.0677	ppb	0.1166	172.2	3.2637
Cu 324.754	0.2770	ppb	0.1903	68.7	238.735
Fe 271.441	18.5711	ppb	2.9271	15.8	37.1244
K 766.491	125.690	ppb	4.0895	3.3	17804.2
Mg 279.078	31.0392	ppb	0.9017	2.9	89.5780
Mn 257.610	0.2991	ppb	0.0607	20.3	84.8214
Mo 202.032	-0.1205	ppb	0.1610	133.6	5.1833
Na 330.237	32952.7	ppb	1075.87	3.3	2016.56
Ni 231.604	0.4561	ppb	1.1020	241.6	4.4251
Pb 220.353	3.7716	ppb	2.0274	53.8	3.3994
Sb 206.834	1.2461	ppb	2.5064	201.1	5.9718
Se 196.026	2.4990	ppb	5.2350	209.5	9.0400
Sn 189.925	2.2691	ppb	2.4153	106.4	-4.0351
Sr 216.596	28.9879	ppb	0.8498	2.9	212.147
Ti 334.941	0.0999	ppb	0.0367	36.8	-47.7159
Tl 190.794	2.4892	ppb	1.6720	67.2	-5.8086
V 292.401	0.1367	ppb	0.1037	75.8	6.4742
Zn 206.200	0.3149	ppb	0.8220	261.1	2.4087

280-59586-b-4-a^20 (Samp) **9/10/2014, 12:37:09 PM** **Rack 1, Tube 10**

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

Label	Replicates Concentration		
Ag 328.068	0.1499	0.1317	0.0153
Al 308.215	4.2394	4.6088	5.1956
As 188.980	6.0705	-2.9828u	8.0089
B 249.678	15.7545	15.5273	14.3532
Ba 389.178	30.4234	29.6831	29.2558
Be 313.042	-0.0542u	-0.0606u	-0.0419u
Ca 370.602	410.6	398.3	384.6
Cd 226.502	-0.0409u	-0.0720u	-0.0204u
Co 228.615	0.5649	-0.3252u	0.1753
Cr 267.716	-0.0841u	-0.1561u	-0.3370u
Cu 324.754	0.1907	0.0026u	-0.1676u
Fe 271.441	29.2276	30.1458	17.6066
K 766.491	144.842	141.843	138.203
Mg 279.078	52.2851	48.1665	47.9418

Label	Replicates Concentration		
Mn 257.610	0.2935	0.2231	0.2290
Mo 202.032	-0.2911u	-1.0231u	-0.4737u
Na 330.237	40027.3	38774.9	37976.1
Ni 231.604	1.9957	-0.0286u	-0.5454u
Pb 220.353	1.0250	2.6289	4.7963
Sb 206.834	2.5078	1.1478	0.9397
Se 196.026	2.5650	-1.0193u	-6.7579u
Sn 189.925	4.7620	-2.2011u	-4.0958u
Sr 216.596	48.2824	46.0100	45.3167
Ti 334.941	0.0579	0.1166	0.0811
Tl 190.794	-4.3376u	1.9983	-2.9067u
V 292.401	0.1980	0.1673	0.4800
Zn 206.200	-0.0942u	-0.3172u	-0.4504u

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	0.0990	ppb	0.0730	73.8	-4.8314
Al 308.215	4.6813	ppb	0.4822	10.3	367.106
As 188.980	3.6988	ppb	5.8671	158.6	-3.4549
B 249.678	15.2117	ppb	0.7521	4.9	245.799
Ba 389.178	29.7874	ppb	0.5908	2.0	605.662
Be 313.042	-0.0523	ppb	0.0095	18.2	-3198.92
Ca 370.602	397.8	ppb	13.00	3.3	1467
Cd 226.502	-0.0444	ppb	0.0260	58.5	17.1422
Co 228.615	0.1384	ppb	0.4462	322.5	-8.6803
Cr 267.716	-0.1924	ppb	0.1303	67.7	0.1012
Cu 324.754	0.0086	ppb	0.1793	2088.3	225.507
Fe 271.441	25.6600	ppb	6.9895	27.2	43.4462
K 766.491	141.629	ppb	3.3244	2.3	19842.1
Mg 279.078	49.4645	ppb	2.4453	4.9	128.483
Mn 257.610	0.2486	ppb	0.0391	15.7	77.9454
Mo 202.032	-0.5960	ppb	0.3810	63.9	2.5514
Na 330.237	38926.1	ppb	1033.92	2.7	2371.89
Ni 231.604	0.4739	ppb	1.3430	283.4	4.4741
Pb 220.353	2.8168	ppb	1.8926	67.2	2.4545
Sb 206.834	1.5318	ppb	0.8516	55.6	6.2212
Se 196.026	-1.7374	ppb	4.7028	270.7	7.5824
Sn 189.925	-0.5116	ppb	4.6643	911.7	-5.5356
Sr 216.596	46.5364	ppb	1.5513	3.3	339.248
Ti 334.941	0.0852	ppb	0.0296	34.7	-53.3686
Tl 190.794	-1.7487	ppb	3.3229	190.0	-7.9137
V 292.401	0.2818	ppb	0.1723	61.2	11.2310
Zn 206.200	-0.2873	ppb	0.1800	62.6	1.1936

280-59586-b-15-a^20 (Samp) **9/10/2014, 12:41:38 PM** **Rack 1, Tube 11**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Replicates Concentration		
Ag 328.068	-0.5284u	0.0671	-0.0077u
Al 308.215	3.2419	4.1020	2.8404
As 188.980	3.0643	5.3371	3.3455
B 249.678	17.6093	17.5755	16.9596
Ba 389.178	26.2557	26.0645	24.2757

Label	Replicates Concentration		
Be 313.042	-0.0230u	-0.0373u	-0.0339u
Ca 370.602	137.3	139.0	134.3
Cd 226.502	-0.0205u	-0.1992u	-0.0510u
Co 228.615	-0.0596u	0.4517	-0.2715u
Cr 267.716	-0.0145u	0.1112	0.1673
Cu 324.754	0.0796	0.2248	-0.2023u
Fe 271.441	25.2374	16.6154	20.1302
K 766.491	138.783	135.031	130.844
Mg 279.078	35.7934	33.3245	34.0348
Mn 257.610	0.3066	0.3309	0.2341
Mo 202.032	0.2240	0.3215	-0.0916u
Na 330.237	27690.0	26963.5	25604.0
Ni 231.604	1.2219	1.5084	-0.2375u
Pb 220.353	2.0234	3.4885	2.9896
Sb 206.834	1.1962	-0.5478u	1.7175
Se 196.026	-6.7113u	0.2271	-8.5328u
Sn 189.925	4.8694	0.2209	-0.9426u
Sr 216.596	23.7354	23.1427	22.1433
Ti 334.941	0.0776	0.0595	0.0918
Tl 190.794	2.0230	1.9446	-2.3228u
V 292.401	-0.0080u	0.0894	0.0965
Zn 206.200	-0.7707u	-0.3973u	0.1725

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.1563	ppb	0.3243	207.5	-17.0738
Al 308.215	3.3948	ppb	0.6445	19.0	359.852
As 188.980	3.9156	ppb	1.2391	31.6	-3.3509
B 249.678	17.3814	ppb	0.3657	2.1	275.442
Ba 389.178	25.5320	ppb	1.0921	4.3	516.219
Be 313.042	-0.0314	ppb	0.0075	23.8	-3148.68
Ca 370.602	136.9	ppb	2.379	1.7	502.7
Cd 226.502	-0.0902	ppb	0.0956	106.0	15.8334
Co 228.615	0.0402	ppb	0.3718	925.0	-9.4477
Cr 267.716	0.0880	ppb	0.0931	105.8	7.2237
Cu 324.754	0.0340	ppb	0.2172	638.5	227.007
Fe 271.441	20.6610	ppb	4.3354	21.0	38.9648
K 766.491	134.886	ppb	3.9715	2.9	18980.0
Mg 279.078	34.3842	ppb	1.2710	3.7	96.6437
Mn 257.610	0.2905	ppb	0.0504	17.3	83.6758
Mo 202.032	0.1513	ppb	0.2160	142.8	6.6874
Na 330.237	26752.5	ppb	1058.90	4.0	1647.75
Ni 231.604	0.8309	ppb	0.9363	112.7	5.4526
Pb 220.353	2.8338	ppb	0.7449	26.3	2.4712
Sb 206.834	0.7887	ppb	1.1864	150.4	5.5821
Se 196.026	-5.0057	ppb	4.6223	92.3	6.4555
Sn 189.925	1.3826	ppb	3.0752	222.4	-4.5151
Sr 216.596	23.0071	ppb	0.8046	3.5	168.826
Ti 334.941	0.0763	ppb	0.0162	21.2	-55.5096
Tl 190.794	0.5483	ppb	2.4867	453.5	-6.7732
V 292.401	0.0593	ppb	0.0584	98.5	3.9547
Zn 206.200	-0.3318	ppb	0.4750	143.1	1.1028

280-59586-b-1-a^20 (Samp) **9/10/2014, 12:46:08 PM** **Rack 1, Tube 12**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Replicates Concentration		
Ag 328.068	-0.3576u	0.1392	-0.1241u
Al 308.215	6.4110	5.3652	5.4257
As 188.980	-6.4749u	-7.8423u	7.3109
B 249.678	12.2390	12.8160	12.7429
Ba 389.178	41.6713	41.1096	40.5155
Be 313.042	-0.0561u	-0.0621u	-0.0469u
Ca 370.602	241.2	230.9	225.8
Cd 226.502	0.0332	-0.0571u	-0.2081u
Co 228.615	-0.0054u	0.2614	0.4713
Cr 267.716	0.0620	-0.3052u	-0.0305u
Cu 324.754	0.3104	0.2527	0.0262
Fe 271.441	24.9325	16.1796	14.9299
K 766.491	176.941	173.670	167.367
Mg 279.078	92.4519	87.4228	84.4668
Mn 257.610	0.2366	0.2241	0.2122
Mo 202.032	-0.1115u	-0.1356u	-0.3458u
Na 330.237	41703.8	41376.0	40058.6
Ni 231.604	0.1427	2.0165	0.9059
Pb 220.353	2.7775	3.4011	0.7346
Sb 206.834	0.3791	0.2426	1.1506
Se 196.026	-10.2710u	1.5974	-13.3732u
Sn 189.925	0.6714	-4.2942u	4.8541
Sr 216.596	49.1428	48.1887	45.4535
Ti 334.941	0.0673	0.0912	0.0773
Tl 190.794	-2.5529u	-6.4903u	5.5113
V 292.401	-0.0985u	-0.0922u	-0.0798u
Zn 206.200	0.1073	-0.3609u	-0.2692u

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.1142	ppb	0.2486	217.7	-15.0523
Al 308.215	5.7340	ppb	0.5871	10.2	373.079
As 188.980	-2.3354	ppb	8.3819	358.9	-6.3436
B 249.678	12.5993	ppb	0.3141	2.5	210.091
Ba 389.178	41.0988	ppb	0.5780	1.4	843.365
Be 313.042	-0.0550	ppb	0.0077	14.0	-3205.90
Ca 370.602	232.6	ppb	7.819	3.4	856.8
Cd 226.502	-0.0773	ppb	0.1219	157.6	16.1489
Co 228.615	0.2424	ppb	0.2389	98.5	-7.8904
Cr 267.716	-0.0912	ppb	0.1910	209.3	2.7244
Cu 324.754	0.1964	ppb	0.1502	76.5	234.768
Fe 271.441	18.6807	ppb	5.4502	29.2	37.2629
K 766.491	172.659	ppb	4.8665	2.8	23809.5
Mg 279.078	88.1139	ppb	4.0372	4.6	210.135
Mn 257.610	0.2243	ppb	0.0122	5.4	74.7921
Mo 202.032	-0.1976	ppb	0.1289	65.2	4.7570
Na 330.237	41046.2	ppb	870.768	2.1	2498.00
Ni 231.604	1.0217	ppb	0.9422	92.2	5.9754
Pb 220.353	2.3044	ppb	1.3948	60.5	1.9471
Sb 206.834	0.5908	ppb	0.4896	82.9	5.4200
Se 196.026	-7.3489	ppb	7.9015	107.5	5.6490

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Sn 189.925	0.4104	ppb	4.5797	1115.8	-5.0373
Sr 216.596	47.5950	ppb	1.9149	4.0	346.852
Ti 334.941	0.0786	ppb	0.0120	15.3	-55.7557
Tl 190.794	-1.1773	ppb	6.1179	519.6	-7.6298
V 292.401	-0.0902	ppb	0.0095	10.5	-0.8778
Zn 206.200	-0.1743	ppb	0.2481	142.4	1.4211

Cont Calib Verif (CCV) **9/10/2014, 12:50:36 PM** **Rack 1, Tube 13**

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

Label	Replicates Concentration		
Ag 328.068	504.655	504.590	506.876
Al 308.215	4941.31	4963.01	4956.79
As 188.980	478.545	491.792	497.800
B 249.678	503.969	508.509	508.387
Ba 389.178	5000.76	5020.39	5015.60
Be 313.042	500.787	501.161	501.312
Ca 370.602	5015	5024	5021
Cd 226.502	500.034	501.453	501.700
Co 228.615	500.115	501.845	500.357
Cr 267.716	5007.32	5029.07	5024.31
Cu 324.754	5005.10	5002.48	4985.14
Fe 271.441	4991.06	4997.04	5012.27
K 766.491	10062.9	10087.4	10082.2
Mg 279.078	4980.38	5003.54	4991.91
Mn 257.610	5069.57	5096.54	5081.71
Mo 202.032	502.080	503.903	503.281
Na 330.237	7304.96	7251.60	7392.16
Ni 231.604	2534.21	2538.78	2541.29
Pb 220.353	496.812	498.822	501.688
Sb 206.834	960.288	957.463	962.604
Se 196.026	5022.51	5029.92	5016.32
Sn 189.925	4994.40	5006.84	5013.56
Sr 216.596	2503.14	2517.63	2514.85
Ti 334.941	493.504	495.258	495.049
Tl 190.794	5070.00	5107.76	5090.31
V 292.401	4984.16	5003.99	4998.81
Zn 206.200	2531.65	2537.37	2528.14

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Ag 328.068	505.374	ppb	1.3016	0.3	24254.5	101.07472
Al 308.215	4953.70	ppb	11.1723	0.2	28694.6	99.07407
As 188.980	489.379	ppb	9.8518	2.0	229.134	97.87579
B 249.678	506.955	ppb	2.5865	0.5	6974.19	101.39099
Ba 389.178	5012.25	ppb	10.2351	0.2	105305	100.24496
Be 313.042	501.087	ppb	0.2705	0.1	1176165	100.21734
Ca 370.602	5020	ppb	4.551	0.1	18594	100.40464
Cd 226.502	501.062	ppb	0.8992	0.2	14677.9	100.21246
Co 228.615	500.772	ppb	0.9369	0.2	3828.07	100.15440
Cr 267.716	5020.23	ppb	11.4350	0.2	129217	100.40463
Cu 324.754	4997.57	ppb	10.8468	0.2	241985	99.95149
Fe 271.441	5000.13	ppb	10.9367	0.2	4502.25	100.00250

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
K 766.491	10077.5	ppb	12.9213	0.1	1290188	100.77468
Mg 279.078	4991.94	ppb	11.5808	0.2	10557.6	99.83887
Mn 257.610	5082.60	ppb	13.5077	0.3	701913	101.65206
Mo 202.032	503.088	ppb	0.9264	0.2	2787.40	100.61758
Na 330.237	7316.24	ppb	70.9542	1.0	473.854	97.54987
Ni 231.604	2538.09	ppb	3.5904	0.1	6960.17	101.52374
Pb 220.353	499.107	ppb	2.4504	0.5	495.218	99.82146
Sb 206.834	960.118	ppb	2.5745	0.3	839.852	96.01183
Se 196.026	5022.92	ppb	6.8092	0.1	1738.69	100.45836
Sn 189.925	5004.93	ppb	9.7201	0.2	2697.60	100.09863
Sr 216.596	2511.87	ppb	7.6901	0.3	18106.1	100.47489
Ti 334.941	494.604	ppb	0.9584	0.2	173644	98.92072
Tl 190.794	5089.36	ppb	18.8971	0.4	2525.65	101.78715
V 292.401	4995.65	ppb	10.2822	0.2	160503	99.91308
Zn 206.200	2532.39	ppb	4.6556	0.2	5101.77	101.29547

Cont Calib Blank (CCB) **9/10/2014, 12:56:10 PM** **Rack 1, Tube 14**

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

Label	Replicates Concentration		
Ag 328.068	-0.1992u	-0.3586u	-0.3741u
Al 308.215	3.2599	3.4402	2.3869
As 188.980	4.0613	-0.4395u	4.6233
B 249.678	3.9008	3.0163	3.4029
Ba 389.178	-0.1188u	1.2688	-0.2677u
Be 313.042	-0.0239u	0.0079	0.0122
Ca 370.602	3.035	1.198	0.8417
Cd 226.502	0.0468	0.1415	-0.0401u
Co 228.615	-0.0069u	0.2135	-0.0351u
Cr 267.716	0.0508	-0.0853u	0.4778
Cu 324.754	-0.0003u	0.7214	0.5634
Fe 271.441	2.9992	-2.6184u	4.3099
K 766.491	-0.3272u	-0.1346u	0.8228
Mg 279.078	-0.6260u	-0.5780u	1.4870
Mn 257.610	-0.0737u	0.0412	0.2168
Mo 202.032	1.5784	0.4656	-0.0508u
Na 330.237	119.305	135.838	125.563
Ni 231.604	-0.5304u	0.6694	-0.0989u
Pb 220.353	-0.6706u	-2.3742u	2.4439
Sb 206.834	-0.4681u	3.4574	2.9293
Se 196.026	1.3253	-2.8392u	-7.7402u
Sn 189.925	6.6410	1.6737	0.7053
Sr 216.596	-0.5036u	-0.4288u	-0.3011u
Ti 334.941	0.0991	0.0721	0.1252
Tl 190.794	-0.1227u	4.7218	3.7400
V 292.401	0.0640	0.3969	0.5220
Zn 206.200	0.0442	-0.4651u	-0.1848u

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Ag 328.068	-0.3106	ppb	0.0968	31.2	-24.4711	-0.31064
Al 308.215	3.0290	ppb	0.5633	18.6	357.826	3.02901
As 188.980	2.7484	ppb	2.7750	101.0	-3.9095	2.74836

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Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
B 249.678	3.4400	ppb	0.4434	12.9	84.9691	3.43999
Ba 389.178	0.2941	ppb	0.8474	288.1	-14.0745	0.29409
Be 313.042	-0.0013	ppb	0.0197	1546.2	-3074.62	-0.00128
Ca 370.602	1.692	ppb	1.177	69.6	3.160	1.69159
Cd 226.502	0.0494	ppb	0.0908	183.8	19.9754	0.04940
Co 228.615	0.0572	ppb	0.1361	238.1	-9.3278	0.05718
Cr 267.716	0.1478	ppb	0.2938	198.8	8.5424	0.14776
Cu 324.754	0.4282	ppb	0.3794	88.6	246.216	0.42818
Fe 271.441	1.5636	ppb	3.6805	235.4	22.0618	1.56359
K 766.491	0.1203	ppb	0.6159	511.8	1749.55	0.12034
Mg 279.078	0.0943	ppb	1.2064	1279.1	24.2486	0.09431
Mn 257.610	0.0614	ppb	0.1463	238.1	51.8889	0.06145
Mo 202.032	0.6644	ppb	0.8326	125.3	9.5285	0.66444
Na 330.237	126.902	ppb	8.3475	6.6	63.9601	126.90215
Ni 231.604	0.0134	ppb	0.6077	4548.4	3.2111	0.01336
Pb 220.353	-0.2003	ppb	2.4432	1219.7	-0.5322	-0.20032
Sb 206.834	1.9728	ppb	2.1304	108.0	6.5749	1.97284
Se 196.026	-3.0847	ppb	4.5377	147.1	7.1161	-3.08466
Sn 189.925	3.0067	ppb	3.1844	105.9	-3.6432	3.00667
Sr 216.596	-0.4111	ppb	0.1024	24.9	-0.7459	-0.41115
Ti 334.941	0.0988	ppb	0.0266	26.9	-45.4456	0.09881
Tl 190.794	2.7797	ppb	2.5611	92.1	-5.6637	2.77971
V 292.401	0.3276	ppb	0.2367	72.2	12.6732	0.32764
Zn 206.200	-0.2019	ppb	0.2551	126.3	1.3644	-0.20193

280-59586-b-16-a^20 (Samp) **9/10/2014, 1:00:37 PM** **Rack 1, Tube 15**

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

Label	Replicates Concentration		
Ag 328.068	-0.2513u	-0.1939u	0.1910
Al 308.215	6.5193	7.5509	7.7146
As 188.980	2.6739	-0.6282u	4.2822
B 249.678	6.2832	6.5426	6.1738
Ba 389.178	31.4287	32.1614	30.1097
Be 313.042	-0.0516u	-0.0630u	-0.0542u
Ca 370.602	122.5	117.7	112.2
Cd 226.502	-0.1864u	-0.1114u	-0.0794u
Co 228.615	-0.2638u	0.8993	-0.0536u
Cr 267.716	-0.1850u	0.0593	0.0856
Cu 324.754	0.2425	0.4252	0.1369
Fe 271.441	51.9973	51.9145	46.1274
K 766.491	132.713	131.233	126.040
Mg 279.078	37.4379	41.1288	35.1155
Mn 257.610	0.5330	0.5444	0.5016
Mo 202.032	0.8591	0.5088	0.2893
Na 330.237	29141.6	28502.4	27366.7
Ni 231.604	2.4934	1.3014	-0.4037u
Pb 220.353	6.0052	1.2361	1.3710
Sb 206.834	-3.2524u	-1.7924u	0.1764
Se 196.026	3.4661	-5.9735u	2.8134
Sn 189.925	-1.9559u	-3.2131u	-4.2356u
Sr 216.596	19.4150	18.8715	18.0718

Label	Replicates Concentration		
Ti 334.941	0.0956	0.0798	0.1431
Tl 190.794	-5.3663u	-0.3697u	7.0196
V 292.401	0.3282	0.1102	0.1539
Zn 206.200	-0.6710u	0.0989	0.0273

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.0847	ppb	0.2405	283.9	-13.6397
Al 308.215	7.2616	ppb	0.6480	8.9	381.794
As 188.980	2.1093	ppb	2.5034	118.7	-4.2158
B 249.678	6.3332	ppb	0.1894	3.0	124.457
Ba 389.178	31.2333	ppb	1.0397	3.3	636.041
Be 313.042	-0.0563	ppb	0.0060	10.6	-3207.38
Ca 370.602	117.4	ppb	5.162	4.4	430.5
Cd 226.502	-0.1257	ppb	0.0549	43.7	14.8515
Co 228.615	0.1940	ppb	0.6198	319.5	-8.2749
Cr 267.716	-0.0133	ppb	0.1492	1118.7	4.6252
Cu 324.754	0.2682	ppb	0.1458	54.4	238.365
Fe 271.441	50.0131	ppb	3.3653	6.7	65.0045
K 766.491	129.995	ppb	3.5044	2.7	18354.7
Mg 279.078	37.8941	ppb	3.0325	8.0	104.010
Mn 257.610	0.5263	ppb	0.0222	4.2	116.303
Mo 202.032	0.5524	ppb	0.2874	52.0	8.9053
Na 330.237	28336.9	ppb	898.959	3.2	1741.99
Ni 231.604	1.1303	ppb	1.4561	128.8	6.2741
Pb 220.353	2.8708	ppb	2.7154	94.6	2.5069
Sb 206.834	-1.6228	ppb	1.7207	106.0	3.5365
Se 196.026	0.1020	ppb	5.2716	5168.5	8.2147
Sn 189.925	-3.1349	ppb	1.1419	36.4	-6.9544
Sr 216.596	18.7861	ppb	0.6757	3.6	138.260
Ti 334.941	0.1061	ppb	0.0330	31.0	-45.1356
Tl 190.794	0.4279	ppb	6.2313	1456.4	-6.8337
V 292.401	0.1974	ppb	0.1153	58.4	8.3091
Zn 206.200	-0.1816	ppb	0.4253	234.2	1.4067

280-59586-b-9-a^20 (Samp) **9/10/2014, 1:05:04 PM** **Rack 1, Tube 16**

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

Label	Replicates Concentration		
Ag 328.068	0.1311	-0.4977u	0.3006
Al 308.215	1.2836	3.2010	4.2701
As 188.980	0.5839	-5.3637u	5.1574
B 249.678	5.8300	5.2520	5.2751
Ba 389.178	19.8953	20.3044	18.1456
Be 313.042	-0.0268u	-0.0474u	-0.0448u
Ca 370.602	123.9	122.1	120.0
Cd 226.502	-0.1652u	-0.0327u	0.1075
Co 228.615	0.5970	0.2691	0.1853
Cr 267.716	-0.1624u	-0.0912u	-0.1919u
Cu 324.754	0.3286	0.3470	-0.0644u
Fe 271.441	20.4788	23.5324	21.3630
K 766.491	94.3991	92.3761	90.3111
Mg 279.078	21.1635	15.7719	19.6287

Label	Replicates Concentration		
Mn 257.610	0.3689	0.3670	0.3000
Mo 202.032	0.1508	-0.0778u	-0.0869u
Na 330.237	19044.2	18842.8	18396.2
Ni 231.604	0.1331	1.1020	1.4518
Pb 220.353	1.5414	-0.7128u	-1.6499u
Sb 206.834	4.3774	-1.6140u	3.5311
Se 196.026	-9.0355u	-2.4368u	-0.4689u
Sn 189.925	0.3512	0.3643	-2.5184u
Sr 216.596	15.3261	15.7328	15.4509
Ti 334.941	0.0743	0.0460	0.1048
Tl 190.794	1.1953	-1.2499u	-2.1880u
V 292.401	-0.1470u	-0.1778u	0.1010
Zn 206.200	-0.8150u	-0.5610u	0.3672

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.0220	ppb	0.4206	1911.2	-10.6328
Al 308.215	2.9182	ppb	1.5132	51.9	357.136
As 188.980	0.1259	ppb	5.2755	4191.3	-5.1653
B 249.678	5.4524	ppb	0.3273	6.0	112.449
Ba 389.178	19.4485	ppb	1.1467	5.9	388.397
Be 313.042	-0.0397	ppb	0.0112	28.3	-3167.22
Ca 370.602	122.0	ppb	1.915	1.6	447.6
Cd 226.502	-0.0301	ppb	0.1364	453.1	17.6432
Co 228.615	0.3505	ppb	0.2176	62.1	-7.0659
Cr 267.716	-0.1485	ppb	0.0517	34.8	1.0699
Cu 324.754	0.2037	ppb	0.2324	114.1	235.234
Fe 271.441	21.7914	ppb	1.5713	7.2	39.9651
K 766.491	92.3621	ppb	2.0440	2.2	13543.1
Mg 279.078	18.8547	ppb	2.7779	14.7	63.8257
Mn 257.610	0.3453	ppb	0.0393	11.4	91.1917
Mo 202.032	-0.0046	ppb	0.1347	2904.8	5.8239
Na 330.237	18761.1	ppb	331.666	1.8	1172.39
Ni 231.604	0.8956	ppb	0.6831	76.3	5.6302
Pb 220.353	-0.2738	ppb	1.6403	599.1	-0.6048
Sb 206.834	2.0982	ppb	3.2426	154.5	6.6896
Se 196.026	-3.9804	ppb	4.4870	112.7	6.8086
Sn 189.925	-0.6010	ppb	1.6606	276.3	-5.5878
Sr 216.596	15.5033	ppb	0.2083	1.3	114.498
Ti 334.941	0.0750	ppb	0.0294	39.1	-55.3038
Tl 190.794	-0.7475	ppb	1.7467	233.7	-7.4175
V 292.401	-0.0746	ppb	0.1529	204.8	-0.2466
Zn 206.200	-0.3363	ppb	0.6223	185.1	1.0946

280-59586-b-2-a^20 (Samp) **9/10/2014, 1:09:31 PM** **Rack 1, Tube 17**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Replicates Concentration		
Ag 328.068	0.4675	-0.1484u	-0.1874u
Al 308.215	33.7110	29.9931	27.6593
As 188.980	1.5879	4.3234	2.1844
B 249.678	20.3608	19.6055	19.4645
Ba 389.178	40.2109	39.9846	38.1825

Label	Replicates Concentration		
Be 313.042	-0.0515u	-0.0465u	-0.0388u
Ca 370.602	324.0	314.7	306.8
Cd 226.502	0.1158	-0.0554u	-0.1593u
Co 228.615	0.6272	-0.2354u	-0.6270u
Cr 267.716	0.0662	-0.0493u	-0.0408u
Cu 324.754	0.5740	0.6075	0.0965
Fe 271.441	83.4479	53.9065	59.4656
K 766.491	192.358	186.457	183.020
Mg 279.078	83.1027	79.3971	81.5763
Mn 257.610	1.4570	1.4199	1.3857
Mo 202.032	0.3887	-1.2479u	-0.2808u
Na 330.237	49110.1	46904.1	46374.6
Ni 231.604	1.3999	0.5884	0.9345
Pb 220.353	0.0738	1.9593	-0.4431u
Sb 206.834	-0.7170u	0.8131	-1.1957u
Se 196.026	-6.8736u	-4.1606u	-3.1427u
Sn 189.925	1.0266	-2.0312u	1.7615
Sr 216.596	63.7529	62.6982	60.7505
Ti 334.941	0.4414	0.5547	0.4167
Tl 190.794	3.3194	-0.4365u	0.9755
V 292.401	0.1015	0.3478	0.2046
Zn 206.200	0.4462	-0.0333u	-0.1918u

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	0.0439	ppb	0.3674	836.7	-7.4726
Al 308.215	30.4544	ppb	3.0521	10.0	513.144
As 188.980	2.6985	ppb	1.4384	53.3	-3.9341
B 249.678	19.8102	ppb	0.4819	2.4	308.560
Ba 389.178	39.4593	ppb	1.1115	2.8	809.002
Be 313.042	-0.0456	ppb	0.0064	14.0	-3184.43
Ca 370.602	315.2	ppb	8.616	2.7	1161
Cd 226.502	-0.0330	ppb	0.1389	421.3	17.5579
Co 228.615	-0.0784	ppb	0.6416	818.3	-10.3387
Cr 267.716	-0.0080	ppb	0.0644	806.5	4.9182
Cu 324.754	0.4260	ppb	0.2859	67.1	245.783
Fe 271.441	65.6067	ppb	15.6990	23.9	78.8113
K 766.491	187.278	ppb	4.7226	2.5	25678.6
Mg 279.078	81.3587	ppb	1.8624	2.3	195.762
Mn 257.610	1.4209	ppb	0.0357	2.5	240.077
Mo 202.032	-0.3800	ppb	0.8228	216.5	3.7431
Na 330.237	47462.9	ppb	1450.86	3.1	2879.66
Ni 231.604	0.9743	ppb	0.4072	41.8	5.8473
Pb 220.353	0.5300	ppb	1.2645	238.6	0.1895
Sb 206.834	-0.3666	ppb	1.0492	286.2	4.6145
Se 196.026	-4.7256	ppb	1.9285	40.8	6.5537
Sn 189.925	0.2523	ppb	2.0114	797.2	-5.1214
Sr 216.596	62.4005	ppb	1.5232	2.4	454.104
Ti 334.941	0.4710	ppb	0.0736	15.6	81.5079
Tl 190.794	1.2861	ppb	1.8971	147.5	-6.4082
V 292.401	0.2179	ppb	0.1237	56.8	9.0668
Zn 206.200	0.0737	ppb	0.3322	450.6	1.9227

280-59586-b-13-a^20 (Samp) **9/10/2014, 1:13:58 PM** **Rack 1, Tube 18**

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

Label	Replicates Concentration		
Ag 328.068	-0.3585u	-0.1739u	-0.0756u
Al 308.215	4.0037	6.2235	4.7520
As 188.980	-5.5717u	-2.9482u	-3.8686u
B 249.678	55.7403	54.2514	52.8655
Ba 389.178	43.1481	43.1764	42.7427
Be 313.042	-0.0445u	-0.0464u	-0.0370u
Ca 370.602	256.0	247.9	247.9
Cd 226.502	-0.1418u	0.0107	0.0290
Co 228.615	-0.1258u	-0.2206u	0.1331
Cr 267.716	-0.1683u	-0.1913u	-0.0883u
Cu 324.754	-0.1747u	0.2077	0.2628
Fe 271.441	16.2237	18.8079	13.5742
K 766.491	244.007	238.480	233.032
Mg 279.078	53.2938	46.3296	47.2026
Mn 257.610	0.4319	0.4185	0.4199
Mo 202.032	-0.4253u	-0.3139u	-0.4294u
Na 330.237	40999.1	39929.2	39305.9
Ni 231.604	0.0723	2.6570	0.9898
Pb 220.353	0.2631	-1.3383u	3.7381
Sb 206.834	-2.7158u	3.0405	0.9970
Se 196.026	-0.8469u	-0.2213u	-12.1025u
Sn 189.925	-0.1687u	-2.5323u	2.7436
Sr 216.596	41.5672	40.8163	40.5042
Ti 334.941	0.0758	0.0936	0.0299
Tl 190.794	3.8354	-2.9678u	4.3774
V 292.401	0.2779	0.0349	-0.0634u
Zn 206.200	-0.8886u	-0.1582u	-0.9690u

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.2027	ppb	0.1436	70.9	-19.2939
Al 308.215	4.9931	ppb	1.1293	22.6	368.879
As 188.980	-4.1295	ppb	1.3310	32.2	-7.2025
B 249.678	54.2857	ppb	1.4377	2.6	779.685
Ba 389.178	43.0224	ppb	0.2426	0.6	883.675
Be 313.042	-0.0426	ppb	0.0049	11.6	-3176.61
Ca 370.602	250.6	ppb	4.659	1.9	923.1
Cd 226.502	-0.0340	ppb	0.0938	275.8	17.4152
Co 228.615	-0.0711	ppb	0.1831	257.5	-10.2920
Cr 267.716	-0.1493	ppb	0.0540	36.2	1.2206
Cu 324.754	0.0986	ppb	0.2383	241.7	230.012
Fe 271.441	16.2019	ppb	2.6169	16.2	35.0356
K 766.491	238.506	ppb	5.4876	2.3	32228.4
Mg 279.078	48.9420	ppb	3.7940	7.8	127.401
Mn 257.610	0.4234	ppb	0.0074	1.7	102.066
Mo 202.032	-0.3895	ppb	0.0655	16.8	3.6948
Na 330.237	40078.1	ppb	856.392	2.1	2440.42
Ni 231.604	1.2397	ppb	1.3104	105.7	6.5729
Pb 220.353	0.8877	ppb	2.5952	292.4	0.5451
Sb 206.834	0.4406	ppb	2.9182	662.4	5.2950
Se 196.026	-4.3902	ppb	6.6863	152.3	6.6680

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Sn 189.925	0.0142	ppb	2.6427	18572.2	-5.2514
Sr 216.596	40.9626	ppb	0.5464	1.3	298.829
Ti 334.941	0.0664	ppb	0.0329	49.5	-60.0352
Tl 190.794	1.7484	ppb	4.0933	234.1	-6.1763
V 292.401	0.0831	ppb	0.1756	211.3	4.7515
Zn 206.200	-0.6719	ppb	0.4467	66.5	0.4166

280-59586-b-5-a^20 (Samp) **9/10/2014, 1:18:26 PM** **Rack 1, Tube 19**

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

Label	Replicates Concentration		
Ag 328.068	-0.1220u	-0.0601u	-0.3327u
Al 308.215	6.2328	4.5716	1.6255
As 188.980	2.4076	0.9848	2.7093
B 249.678	6.9405	6.2911	6.2247
Ba 389.178	27.5830	27.9445	26.9948
Be 313.042	-0.0581u	-0.0489u	-0.0287u
Ca 370.602	137.8	136.2	134.9
Cd 226.502	0.1051	-0.0657u	-0.1095u
Co 228.615	-0.2286u	0.2999	0.5642
Cr 267.716	0.0935	0.1026	0.1391
Cu 324.754	0.6074	0.3135	0.3745
Fe 271.441	28.4373	22.9069	25.3811
K 766.491	134.378	131.267	126.604
Mg 279.078	42.8306	39.8451	37.1626
Mn 257.610	0.2540	0.1948	0.2711
Mo 202.032	-0.1942u	-0.2062u	0.1698
Na 330.237	33268.8	32335.0	31245.5
Ni 231.604	0.6900	0.9992	0.5966
Pb 220.353	2.5614	0.8809	0.1839
Sb 206.834	2.2391	1.9833	5.1617
Se 196.026	6.0671	-5.8470u	-2.3172u
Sn 189.925	-6.2966u	3.6661	-0.1834u
Sr 216.596	24.9003	23.3032	22.9007
Ti 334.941	0.0618	0.0907	0.0694
Tl 190.794	5.7778	0.6876	4.8179
V 292.401	0.2723	0.1549	0.2143
Zn 206.200	-0.1729u	-0.8517u	0.7724

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.1716	ppb	0.1429	83.3	-17.8058
Al 308.215	4.1433	ppb	2.3333	56.3	364.087
As 188.980	2.0339	ppb	0.9210	45.3	-4.2519
B 249.678	6.4854	ppb	0.3955	6.1	126.545
Ba 389.178	27.5074	ppb	0.4794	1.7	557.751
Be 313.042	-0.0452	ppb	0.0150	33.2	-3181.73
Ca 370.602	136.3	ppb	1.450	1.1	500.3
Cd 226.502	-0.0234	ppb	0.1134	485.0	17.7929
Co 228.615	0.2119	ppb	0.4036	190.5	-8.1269
Cr 267.716	0.1118	ppb	0.0241	21.6	7.8782
Cu 324.754	0.4318	ppb	0.1551	35.9	246.250
Fe 271.441	25.5751	ppb	2.7703	10.8	43.3358

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
K 766.491	130.750	ppb	3.9128	3.0	18451.2
Mg 279.078	39.9461	ppb	2.8354	7.1	108.371
Mn 257.610	0.2400	ppb	0.0400	16.7	76.7361
Mo 202.032	-0.0769	ppb	0.2137	278.0	5.4239
Na 330.237	32283.1	ppb	1012.62	3.1	1976.73
Ni 231.604	0.7619	ppb	0.2107	27.6	5.2638
Pb 220.353	1.2087	ppb	1.2222	101.1	0.8627
Sb 206.834	3.1280	ppb	1.7659	56.5	7.5636
Se 196.026	-0.6990	ppb	6.1197	875.5	7.9387
Sn 189.925	-0.9379	ppb	5.0241	535.6	-5.7672
Sr 216.596	23.7014	ppb	1.0576	4.5	173.862
Ti 334.941	0.0739	ppb	0.0150	20.3	-56.7754
Tl 190.794	3.7611	ppb	2.7046	71.9	-5.1770
V 292.401	0.2138	ppb	0.0587	27.4	8.9474
Zn 206.200	-0.0841	ppb	0.8157	970.1	1.6030

280-59586-b-14-a^20 (Samp) **9/10/2014, 1:22:54 PM** **Rack 1, Tube 20**

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

Label	Replicates Concentration		
Ag 328.068	-0.4286u	-0.1597u	-0.2539u
Al 308.215	4.3186	2.8193	2.5920
As 188.980	1.4371	6.9076	3.6944
B 249.678	66.1705	64.3970	63.7300
Ba 389.178	65.7405	64.3546	62.9644
Be 313.042	-0.0175u	-0.0215u	-0.0447u
Ca 370.602	375.2	367.7	360.3
Cd 226.502	-0.1687u	-0.0766u	-0.1601u
Co 228.615	0.8961	-0.0742u	0.5793
Cr 267.716	0.2744	-0.3756u	-0.2789u
Cu 324.754	0.1242	0.0690	0.0905
Fe 271.441	18.3034	20.2503	23.8999
K 766.491	313.991	307.101	301.370
Mg 279.078	78.6273	73.5605	75.9746
Mn 257.610	0.4772	0.3905	0.4335
Mo 202.032	0.5117	-0.0984u	-0.2461u
Na 330.237	50925.4	49995.6	48850.7
Ni 231.604	0.1428	-0.8948u	-0.3597u
Pb 220.353	4.1233	2.7973	3.3318
Sb 206.834	3.5521	-0.3351u	-1.9271u
Se 196.026	2.5539	-4.2652u	1.8560
Sn 189.925	1.8978	4.9207	0.8787
Sr 216.596	63.2625	61.7281	62.0130
Ti 334.941	0.0568	0.0521	-0.0130u
Tl 190.794	-0.2018u	-1.0160u	4.5884
V 292.401	0.0859	0.0317	0.2021
Zn 206.200	0.1499	-0.0760u	-1.9913u

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.2807	ppb	0.1364	48.6	-23.0383
Al 308.215	3.2433	ppb	0.9382	28.9	358.995
As 188.980	4.0130	ppb	2.7491	68.5	-3.3044

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
B 249.678	64.7658	ppb	1.2613	1.9	922.852
Ba 389.178	64.3532	ppb	1.3881	2.2	1331.86
Be 313.042	-0.0279	ppb	0.0147	52.6	-3143.21
Ca 370.602	367.7	ppb	7.448	2.0	1356
Cd 226.502	-0.1351	ppb	0.0509	37.7	14.4412
Co 228.615	0.4670	ppb	0.4948	105.9	-6.1741
Cr 267.716	-0.1267	ppb	0.3507	276.8	1.8834
Cu 324.754	0.0946	ppb	0.0279	29.5	229.713
Fe 271.441	20.8179	ppb	2.8411	13.6	39.1428
K 766.491	307.487	ppb	6.3192	2.1	41047.9
Mg 279.078	76.0542	ppb	2.5343	3.3	184.651
Mn 257.610	0.4337	ppb	0.0434	10.0	103.632
Mo 202.032	0.0557	ppb	0.4017	721.1	6.1582
Na 330.237	49923.9	ppb	1039.24	2.1	3026.09
Ni 231.604	-0.3705	ppb	0.5189	140.0	2.1595
Pb 220.353	3.4175	ppb	0.6672	19.5	3.0488
Sb 206.834	0.4300	ppb	2.8186	655.5	5.2792
Se 196.026	0.0482	ppb	3.7518	7779.2	8.1971
Sn 189.925	2.5657	ppb	2.1022	81.9	-3.8715
Sr 216.596	62.3345	ppb	0.8162	1.3	453.638
Ti 334.941	0.0320	ppb	0.0390	122.0	-72.9118
Tl 190.794	1.1235	ppb	3.0281	269.5	-6.4869
V 292.401	0.1066	ppb	0.0870	81.7	5.3197
Zn 206.200	-0.6391	ppb	1.1765	184.1	0.4828

280-59586-b-11-a^20 (Samp) **9/10/2014, 1:27:22 PM** **Rack 1, Tube 21**

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

Label	Replicates Concentration		
Ag 328.068	-0.1164u	-0.3217u	-0.1623u
Al 308.215	2.9398	4.0173	4.5399
As 188.980	-1.6844u	-1.6408u	1.4012
B 249.678	19.6881	20.0694	19.1814
Ba 389.178	16.6396	16.2292	16.4660
Be 313.042	-0.0357u	-0.0390u	-0.0324u
Ca 370.602	151.7	152.0	145.2
Cd 226.502	-0.0107u	0.0912	0.1496
Co 228.615	-0.1895u	0.2561	0.4662
Cr 267.716	-0.0499u	0.4337	0.1102
Cu 324.754	-0.1164u	0.0128	-0.0246u
Fe 271.441	24.1373	22.0286	29.0523
K 766.491	146.807	144.518	143.779
Mg 279.078	28.8848	23.1811	19.7853
Mn 257.610	0.4046	0.4510	0.3746
Mo 202.032	-0.3270u	-1.2761u	0.6676
Na 330.237	24051.8	23809.3	23676.8
Ni 231.604	-0.0602u	-0.4006u	-0.1065u
Pb 220.353	3.8208	1.3102	3.7500
Sb 206.834	2.2918	3.8972	1.7635
Se 196.026	4.0335	-6.3855u	-7.9294u
Sn 189.925	-2.3525u	2.8869	0.2618
Sr 216.596	15.3170	14.9293	15.0435

Label	Replicates Concentration		
Ti 334.941	0.0791	0.0436	0.0272
Tl 190.794	-3.8221u	-4.8931u	-2.8752u
V 292.401	0.1683	0.2507	0.3208
Zn 206.200	0.4754	0.2442	-1.1676u

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.2002	ppb	0.1077	53.8	-19.1742
Al 308.215	3.8323	ppb	0.8159	21.3	362.311
As 188.980	-0.6413	ppb	1.7690	275.8	-5.5326
B 249.678	19.6463	ppb	0.4455	2.3	306.404
Ba 389.178	16.4450	ppb	0.2060	1.3	325.300
Be 313.042	-0.0357	ppb	0.0033	9.3	-3158.30
Ca 370.602	149.6	ppb	3.808	2.5	549.8
Cd 226.502	0.0767	ppb	0.0811	105.8	20.7286
Co 228.615	0.1776	ppb	0.3348	188.5	-8.3851
Cr 267.716	0.1647	ppb	0.2463	149.6	9.1717
Cu 324.754	-0.0427	ppb	0.0665	155.6	223.268
Fe 271.441	25.0727	ppb	3.6041	14.4	42.8970
K 766.491	145.035	ppb	1.5786	1.1	20277.6
Mg 279.078	23.9504	ppb	4.5983	19.2	74.6027
Mn 257.610	0.4100	ppb	0.0385	9.4	100.130
Mo 202.032	-0.3118	ppb	0.9719	311.7	4.1242
Na 330.237	23846.0	ppb	190.189	0.8	1474.86
Ni 231.604	-0.1891	ppb	0.1846	97.6	2.6567
Pb 220.353	2.9603	ppb	1.4295	48.3	2.5968
Sb 206.834	2.6508	ppb	1.1112	41.9	7.1648
Se 196.026	-3.4271	ppb	6.5070	189.9	6.9992
Sn 189.925	0.2654	ppb	2.6197	987.0	-5.1189
Sr 216.596	15.0966	ppb	0.1992	1.3	111.591
Ti 334.941	0.0500	ppb	0.0265	53.1	-64.5333
Tl 190.794	-3.8635	ppb	1.0096	26.1	-8.9647
V 292.401	0.2466	ppb	0.0763	31.0	10.1248
Zn 206.200	-0.1493	ppb	0.8894	595.7	1.4711

280-59586-b-10-a^20 (Samp) **9/10/2014, 1:31:51 PM** **Rack 1, Tube 22**

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

Label	Replicates Concentration		
Ag 328.068	0.1511	-0.1648u	-0.2586u
Al 308.215	4.6238	5.2192	5.1944
As 188.980	3.2655	-8.7967u	1.1153
B 249.678	13.4054	13.8380	12.8918
Ba 389.178	19.3610	18.8881	19.2987
Be 313.042	-0.0353u	-0.0472u	-0.0408u
Ca 370.602	150.0	145.1	148.1
Cd 226.502	-0.0476u	0.0339	-0.0327u
Co 228.615	-0.4792u	-0.4494u	0.1642
Cr 267.716	0.0264	-0.1141u	-0.0466u
Cu 324.754	-0.3641u	-0.0842u	0.4079
Fe 271.441	18.5801	20.8379	19.5480
K 766.491	107.469	105.398	103.276
Mg 279.078	26.4015	23.8655	21.2886

Label	Replicates Concentration		
Mn 257.610	0.2549	0.1805	0.1829
Mo 202.032	0.0133	0.5038	0.0798
Na 330.237	22744.5	22249.2	22012.9
Ni 231.604	0.6356	-0.3135u	0.3992
Pb 220.353	0.9016	1.4488	4.6034
Sb 206.834	4.6567	5.5932	-0.1237u
Se 196.026	3.0880	-1.1637u	-2.1268u
Sn 189.925	3.5480	-0.8471u	-4.0758u
Sr 216.596	23.6638	24.1646	22.6296
Ti 334.941	0.0601	0.1011	0.0915
Tl 190.794	1.7977	0.8994	7.0121
V 292.401	0.0460	-0.0852u	0.0368
Zn 206.200	-1.3021u	-1.1696u	0.4445

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.0907	ppb	0.2146	236.6	-13.9274
Al 308.215	5.0125	ppb	0.3368	6.7	369.012
As 188.980	-1.4720	ppb	6.4338	437.1	-5.9301
B 249.678	13.3784	ppb	0.4737	3.5	220.757
Ba 389.178	19.1826	ppb	0.2570	1.3	382.802
Be 313.042	-0.0411	ppb	0.0060	14.5	-3170.89
Ca 370.602	147.8	ppb	2.438	1.6	543.0
Cd 226.502	-0.0155	ppb	0.0434	280.6	18.0266
Co 228.615	-0.2548	ppb	0.3632	142.5	-11.7102
Cr 267.716	-0.0448	ppb	0.0702	156.9	3.7693
Cu 324.754	-0.0135	ppb	0.3908	2904.6	224.701
Fe 271.441	19.6553	ppb	1.1327	5.8	38.0930
K 766.491	105.381	ppb	2.0969	2.0	15207.6
Mg 279.078	23.8519	ppb	2.5565	10.7	74.4046
Mn 257.610	0.2061	ppb	0.0423	20.5	71.9604
Mo 202.032	0.1990	ppb	0.2661	133.7	6.9518
Na 330.237	22335.5	ppb	373.401	1.7	1385.02
Ni 231.604	0.2405	ppb	0.4941	205.5	3.8340
Pb 220.353	2.3180	ppb	1.9981	86.2	1.9604
Sb 206.834	3.3754	ppb	3.0663	90.8	7.7673
Se 196.026	-0.0675	ppb	2.7748	4112.2	8.1561
Sn 189.925	-0.4583	ppb	3.8267	835.0	-5.5101
Sr 216.596	23.4860	ppb	0.7828	3.3	172.307
Ti 334.941	0.0842	ppb	0.0215	25.5	-52.3602
Tl 190.794	3.2364	ppb	3.3006	102.0	-5.4373
V 292.401	-0.0008	ppb	0.0732	9011.8	2.0626
Zn 206.200	-0.6757	ppb	0.9724	143.9	0.4089

280-59586-b-12-a^20 (Samp) **9/10/2014, 1:36:20 PM** **Rack 1, Tube 23**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Replicates Concentration		
Ag 328.068	-0.0982u	-0.1282u	-0.5470u
Al 308.215	4.0995	3.8602	3.4863
As 188.980	2.2606	-2.1320u	-3.5227u
B 249.678	5.8926	5.4884	5.7512
Ba 389.178	22.2261	21.8770	21.4194

Label	Replicates Concentration		
Be 313.042	-0.0271u	-0.0253u	-0.0475u
Ca 370.602	126.5	119.2	116.0
Cd 226.502	0.0695	-0.1496u	0.1776
Co 228.615	0.3413	-0.2006u	0.1462
Cr 267.716	-0.1469u	0.0467	0.0106
Cu 324.754	0.2532	0.1573	0.1385
Fe 271.441	35.2307	34.2694	45.0455
K 766.491	140.863	136.902	134.322
Mg 279.078	38.2378	36.8510	35.3760
Mn 257.610	0.4768	0.4444	0.3915
Mo 202.032	0.1449	-0.1367u	-0.7641u
Na 330.237	23530.3	22743.7	22479.3
Ni 231.604	1.5023	1.6192	1.0384
Pb 220.353	-4.7827u	-3.3703u	1.3641
Sb 206.834	2.2511	1.4014	-3.6887u
Se 196.026	-4.3603u	0.6648	-10.6963u
Sn 189.925	-3.1771u	-1.2269u	1.5788
Sr 216.596	14.0481	12.7808	12.4808
Ti 334.941	0.0602	0.0094	0.0650
Tl 190.794	4.9831	-1.0662u	6.3308
V 292.401	-0.1299u	0.1281	-0.0545u
Zn 206.200	-0.1340u	0.7696	0.5094

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.2578	ppb	0.2509	97.3	-21.9410
Al 308.215	3.8153	ppb	0.3091	8.1	362.205
As 188.980	-1.1314	ppb	3.0187	266.8	-5.7673
B 249.678	5.7107	ppb	0.2051	3.6	115.950
Ba 389.178	21.8408	ppb	0.4045	1.9	438.716
Be 313.042	-0.0333	ppb	0.0123	37.0	-3152.62
Ca 370.602	120.6	ppb	5.375	4.5	442.1
Cd 226.502	0.0325	ppb	0.1667	512.7	19.4833
Co 228.615	0.0957	ppb	0.2745	286.9	-9.0142
Cr 267.716	-0.0299	ppb	0.1030	344.8	4.1580
Cu 324.754	0.1830	ppb	0.0615	33.6	234.226
Fe 271.441	38.1818	ppb	5.9635	15.6	54.5179
K 766.491	137.363	ppb	3.2948	2.4	19296.6
Mg 279.078	36.8216	ppb	1.4311	3.9	101.755
Mn 257.610	0.4376	ppb	0.0431	9.8	104.043
Mo 202.032	-0.2520	ppb	0.4653	184.7	4.4543
Na 330.237	22917.8	ppb	546.676	2.4	1419.64
Ni 231.604	1.3866	ppb	0.3072	22.2	6.9763
Pb 220.353	-2.2629	ppb	3.2195	142.3	-2.5736
Sb 206.834	-0.0121	ppb	3.2122	26618.4	4.9115
Se 196.026	-4.7973	ppb	5.6931	118.7	6.5275
Sn 189.925	-0.9417	ppb	2.3907	253.9	-5.7710
Sr 216.596	13.1033	ppb	0.8319	6.3	97.1113
Ti 334.941	0.0449	ppb	0.0308	68.6	-66.2071
Tl 190.794	3.4159	ppb	3.9397	115.3	-5.3487
V 292.401	-0.0188	ppb	0.1327	706.1	1.5891
Zn 206.200	0.3817	ppb	0.4652	121.9	2.5439

680-104951-d-2-a^20 (Samp) **9/10/2014, 1:40:49 PM** **Rack 1, Tube 24**

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

Label	Replicates Concentration		
Ag 328.068	0.2905	0.0796	0.0772
Al 308.215	3.3637	4.5628	4.1465
As 188.980	5.5757	-2.1077u	1.4243
B 249.678	2.9173	2.5466	2.4526
Ba 389.178	-0.5344	-0.5874	-0.7967u
Be 313.042	-0.0357u	-0.0327u	-0.0280u
Ca 370.602	1151	1120	1098
Cd 226.502	0.0042	0.0358	-0.1155u
Co 228.615	0.9989	0.9137	0.2616
Cr 267.716	0.7215	0.9022	1.0908
Cu 324.754	0.9267	0.9099	0.9002
Fe 271.441	30.6252	47.1754	34.5332
K 766.491	1563.50	1522.77	1486.98
Mg 279.078	5620.67	5471.50	5326.28
Mn 257.610	0.3091	0.3070	0.2977
Mo 202.032	1.8069	2.0729	2.6591
Na 330.237	20130.8	19846.9	19094.0
Ni 231.604	4.7060	3.1948	3.5388
Pb 220.353	2.3474	-0.2324u	5.1957
Sb 206.834	6.4494	1.2398	6.3306
Se 196.026	4.0946	-2.9683u	-7.1733u
Sn 189.925	-0.8742u	1.0492	-3.3054u
Sr 216.596	2.6464	3.2178	2.9705
Ti 334.941	0.0062	0.0298	0.0414
Tl 190.794	-1.6477u	5.9987	-0.3774u
V 292.401	0.1511	-0.0495u	0.2415
Zn 206.200	19.4214	17.9523	18.1984

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	0.1491	ppb	0.1225	82.1	-2.4812
Al 308.215	4.0243	ppb	0.6088	15.1	363.546
As 188.980	1.6308	ppb	3.8459	235.8	-4.4444
B 249.678	2.6389	ppb	0.2457	9.3	74.0698
Ba 389.178	-0.6395	ppb	0.1387	21.7	-19.9407
Be 313.042	-0.0321	ppb	0.0039	12.1	-3149.78
Ca 370.602	1123	ppb	26.91	2.4	4149
Cd 226.502	-0.0252	ppb	0.0798	317.0	17.8483
Co 228.615	0.7247	ppb	0.4033	55.7	-4.2360
Cr 267.716	0.9049	ppb	0.1847	20.4	28.1971
Cu 324.754	0.9122	ppb	0.0134	1.5	268.593
Fe 271.441	37.4446	ppb	8.6507	23.1	53.9158
K 766.491	1524.42	ppb	38.2896	2.5	196638
Mg 279.078	5472.81	ppb	147.196	2.7	11583.3
Mn 257.610	0.3046	ppb	0.0061	2.0	116.483
Mo 202.032	2.1796	ppb	0.4360	20.0	17.9115
Na 330.237	19690.5	ppb	535.786	2.7	1227.62
Ni 231.604	3.8132	ppb	0.7921	20.8	13.6273
Pb 220.353	2.4369	ppb	2.7152	111.4	2.0767
Sb 206.834	4.6733	ppb	2.9740	63.6	8.8368
Se 196.026	-2.0157	ppb	5.6941	282.5	7.4904

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Sn 189.925	-1.0435	ppb	2.1823	209.1	-5.8266
Sr 216.596	2.9449	ppb	0.2866	9.7	23.6825
Ti 334.941	0.0258	ppb	0.0179	69.5	-61.1854
Tl 190.794	1.3246	ppb	4.0975	309.3	-6.3877
V 292.401	0.1144	ppb	0.1489	130.2	5.3317
Zn 206.200	18.5240	ppb	0.7869	4.2	39.1651

Cont Calib Verif (CCV) **9/10/2014, 1:45:16 PM** **Rack 1, Tube 25**

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

Label	Replicates Concentration		
Ag 328.068	502.646	500.295	505.241
Al 308.215	4914.49	4914.61	4926.11
As 188.980	489.691	482.453	483.384
B 249.678	502.155	502.771	506.513
Ba 389.178	4985.32	4975.87	4988.56
Be 313.042	497.857	498.773	499.989
Ca 370.602	4996	4979	4996
Cd 226.502	499.901	498.256	499.206
Co 228.615	498.306	497.696	499.170
Cr 267.716	4991.72	4977.59	5000.46
Cu 324.754	4911.31	4954.78	4991.63
Fe 271.441	4999.49	4992.36	4994.76
K 766.491	10017.7	10013.6	10013.3
Mg 279.078	4960.89	4956.26	4969.55
Mn 257.610	5074.27	5061.84	5075.98
Mo 202.032	500.565	500.330	502.981
Na 330.237	7342.84	7100.63	7299.47
Ni 231.604	2522.69	2520.48	2530.35
Pb 220.353	503.923	496.539	502.727
Sb 206.834	956.348	953.045	945.471
Se 196.026	5013.87	4965.41	4991.98
Sn 189.925	4987.45	4976.62	4973.31
Sr 216.596	2499.19	2494.97	2502.57
Ti 334.941	490.683	490.483	491.660
Tl 190.794	5002.78	5048.59	5043.93
V 292.401	4971.80	4960.74	4969.72
Zn 206.200	2513.53	2513.70	2523.44

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Ag 328.068	502.727	ppb	2.4739	0.5	24127.4	100.54546
Al 308.215	4918.41	ppb	6.6755	0.1	28492.4	98.36810
As 188.980	485.176	ppb	3.9378	0.8	227.122	97.03526
B 249.678	503.813	ppb	2.3587	0.5	6931.14	100.76263
Ba 389.178	4983.25	ppb	6.5925	0.1	104696	99.66506
Be 313.042	498.873	ppb	1.0695	0.2	1170950	99.77460
Ca 370.602	4990	ppb	9.790	0.2	18483	99.80839
Cd 226.502	499.121	ppb	0.8259	0.2	14621.0	99.82414
Co 228.615	498.390	ppb	0.7410	0.1	3809.77	99.67809
Cr 267.716	4989.92	ppb	11.5356	0.2	128437	99.79847
Cu 324.754	4952.57	ppb	40.2042	0.8	239808	99.05142
Fe 271.441	4995.54	ppb	3.6275	0.1	4497.86	99.91072

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
K 766.491	10014.9	ppb	2.4895	0.0	1282183	100.14862
Mg 279.078	4962.23	ppb	6.7463	0.1	10494.9	99.24466
Mn 257.610	5070.70	ppb	7.7208	0.2	700268	101.41393
Mo 202.032	501.292	ppb	1.4673	0.3	2777.48	100.25838
Na 330.237	7247.65	ppb	129.153	1.8	469.906	96.63532
Ni 231.604	2524.51	ppb	5.1821	0.2	6922.92	100.98025
Pb 220.353	501.063	ppb	3.9631	0.8	497.137	100.21262
Sb 206.834	951.622	ppb	5.5765	0.6	832.416	95.16218
Se 196.026	4990.42	ppb	24.2639	0.5	1727.49	99.80840
Sn 189.925	4979.12	ppb	7.3944	0.1	2683.66	99.58249
Sr 216.596	2498.91	ppb	3.8061	0.2	18012.6	99.95640
Ti 334.941	490.942	ppb	0.6299	0.1	172358	98.18840
Tl 190.794	5031.77	ppb	25.2137	0.5	2497.01	100.63533
V 292.401	4967.42	ppb	5.8770	0.1	159597	99.34834
Zn 206.200	2516.89	ppb	5.6746	0.2	5070.60	100.67561

Cont Calib Blank (CCB) **9/10/2014, 1:49:43 PM** **Rack 1, Tube 26**

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

Label	Replicates Concentration		
Ag 328.068	0.1875	0.3278	-0.0448u
Al 308.215	2.2516	3.2829	2.0625
As 188.980	-0.1060u	0.6572	0.9369
B 249.678	5.0071	4.7475	3.6917
Ba 389.178	-0.3352u	0.1631	0.4202
Be 313.042	-0.0130u	-0.0052u	-0.0231u
Ca 370.602	2.767	2.404	5.083
Cd 226.502	-0.2202u	0.0325	0.0885
Co 228.615	0.2451	-0.0247u	0.1737
Cr 267.716	0.0931	0.2508	0.2109
Cu 324.754	0.3323	0.1145	0.5933
Fe 271.441	-2.4537u	-4.1392u	4.1685
K 766.491	-0.0503u	-0.2631u	-0.2992u
Mg 279.078	-3.6529u	1.8997	-1.1795u
Mn 257.610	0.0635	0.0373	0.0252
Mo 202.032	0.1054	0.2087	1.0179
Na 330.237	70.7106	-128.012u	-22.2083u
Ni 231.604	0.6228	0.6273	0.9755
Pb 220.353	1.2901	0.3554	1.4250
Sb 206.834	4.9384	6.4250	0.0547
Se 196.026	8.1098	0.5938	5.6215
Sn 189.925	0.5830	-0.8309u	0.3533
Sr 216.596	-0.2408u	0.0942	-0.2598u
Ti 334.941	0.1330	0.1192	0.1197
Tl 190.794	4.1241	5.8137	-2.3566u
V 292.401	0.7323	0.4915	0.1365
Zn 206.200	0.1743	-0.2698u	-0.6882u

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Ag 328.068	0.1569	ppb	0.1882	120.0	-2.0526	0.15685
Al 308.215	2.5323	ppb	0.6569	25.9	355.004	2.53233
As 188.980	0.4961	ppb	0.5398	108.8	-4.9878	0.49605

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
B 249.678	4.4821	ppb	0.6967	15.5	99.2324	4.48209
Ba 389.178	0.0827	ppb	0.3841	464.4	-18.5253	0.08271
Be 313.042	-0.0138	ppb	0.0090	65.1	-3103.97	-0.01379
Ca 370.602	3.418	ppb	1.453	42.5	9.603	3.41808
Cd 226.502	-0.0330	ppb	0.1644	497.7	17.5551	-0.03304
Co 228.615	0.1314	ppb	0.1398	106.4	-8.7551	0.13140
Cr 267.716	0.1849	ppb	0.0820	44.3	9.4982	0.18492
Cu 324.754	0.3467	ppb	0.2397	69.1	242.268	0.34673
Fe 271.441	-0.8082	ppb	4.3915	543.4	19.9643	-0.80815
K 766.491	-0.2042	ppb	0.1345	65.9	1708.05	-0.20420
Mg 279.078	-0.9776	ppb	2.7818	284.6	21.9929	-0.97760
Mn 257.610	0.0420	ppb	0.0196	46.6	49.1864	0.04198
Mo 202.032	0.4440	ppb	0.4997	112.5	8.3089	0.44403
Na 330.237	-26.5032	ppb	99.4308	375.2	54.8370	-26.50321
Ni 231.604	0.7418	ppb	0.2023	27.3	5.2077	0.74184
Pb 220.353	1.0235	ppb	0.5825	56.9	0.6793	1.02350
Sb 206.834	3.8060	ppb	3.3327	87.6	8.1271	3.80602
Se 196.026	4.7750	ppb	3.8288	80.2	9.8226	4.77500
Sn 189.925	0.0351	ppb	0.7587	2160.4	-5.2480	0.03512
Sr 216.596	-0.1355	ppb	0.1991	147.0	1.2250	-0.13548
Ti 334.941	0.1240	ppb	0.0078	6.3	-36.6110	0.12396
Tl 190.794	2.5271	ppb	4.3129	170.7	-5.7889	2.52708
V 292.401	0.4534	ppb	0.2998	66.1	16.7744	0.45345
Zn 206.200	-0.2612	ppb	0.4313	165.1	1.2448	-0.26121

280-59657-b-1-a^20 (Samp) **9/10/2014, 1:54:09 PM** **Rack 1, Tube 27**

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

Label	Replicates Concentration		
Ag 328.068	-0.2726u	-0.0452u	0.1479
Al 308.215	4.1213	3.5477	5.0596
As 188.980	10.8042	-1.8367u	3.9168
B 249.678	9.5176	9.2721	9.1879
Ba 389.178	31.0128	29.4700	27.5147
Be 313.042	-0.0464u	-0.0552u	-0.0507u
Ca 370.602	176.9	172.8	167.1
Cd 226.502	0.0480	-0.0410u	-0.1034u
Co 228.615	0.0607	0.2886	-0.2492u
Cr 267.716	0.0386	0.1160	0.0770
Cu 324.754	0.2027	0.2882	-0.0004u
Fe 271.441	34.6741	34.2177	25.5867
K 766.491	162.506	159.482	154.712
Mg 279.078	40.8202	40.0690	38.3878
Mn 257.610	0.3158	0.2953	0.2296
Mo 202.032	0.5487	0.2489	-0.3634u
Na 330.237	33765.7	33001.1	31722.0
Ni 231.604	2.5478	1.0651	2.0962
Pb 220.353	0.0406	0.7434	3.7887
Sb 206.834	2.5062	9.1986	3.2858
Se 196.026	-3.9045u	-4.0909u	2.9535
Sn 189.925	0.0144	2.6128	-0.0923u
Sr 216.596	31.4326	31.0415	29.5236

Label	Replicates Concentration		
Ti 334.941	0.0638	0.0688	0.0711
Tl 190.794	5.4446	6.8267	-0.2279u
V 292.401	0.0893	0.2045	0.2305
Zn 206.200	-0.5164u	-0.1495u	-0.4076u

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.0567	ppb	0.2105	371.5	-12.2945
Al 308.215	4.2429	ppb	0.7632	18.0	364.664
As 188.980	4.2947	ppb	6.3289	147.4	-3.1695
B 249.678	9.3258	ppb	0.1713	1.8	165.388
Ba 389.178	29.3325	ppb	1.7531	6.0	596.091
Be 313.042	-0.0508	ppb	0.0044	8.6	-3194.88
Ca 370.602	172.3	ppb	4.895	2.8	633.4
Cd 226.502	-0.0322	ppb	0.0761	236.6	17.5351
Co 228.615	0.0334	ppb	0.2699	809.2	-9.4996
Cr 267.716	0.0772	ppb	0.0387	50.1	6.9935
Cu 324.754	0.1635	ppb	0.1482	90.7	233.235
Fe 271.441	31.4929	ppb	5.1199	16.3	48.5976
K 766.491	158.900	ppb	3.9296	2.5	22050.3
Mg 279.078	39.7590	ppb	1.2455	3.1	107.975
Mn 257.610	0.2802	ppb	0.0450	16.1	82.2903
Mo 202.032	0.1447	ppb	0.4649	321.2	6.6503
Na 330.237	32829.6	ppb	1032.58	3.1	2009.24
Ni 231.604	1.9030	ppb	0.7600	39.9	8.3916
Pb 220.353	1.5242	ppb	1.9923	130.7	1.1747
Sb 206.834	4.9969	ppb	3.6596	73.2	9.1393
Se 196.026	-1.6806	ppb	4.0143	238.9	7.6008
Sn 189.925	0.8450	ppb	1.5320	181.3	-4.8042
Sr 216.596	30.6659	ppb	1.0084	3.3	224.253
Ti 334.941	0.0679	ppb	0.0037	5.5	-58.9450
Tl 190.794	4.0144	ppb	3.7384	93.1	-5.0510
V 292.401	0.1748	ppb	0.0752	43.0	7.6369
Zn 206.200	-0.3579	ppb	0.1884	52.7	1.0505

280-59657-b-2-a^20 (Samp) **9/10/2014, 1:58:36 PM** **Rack 1, Tube 28**

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

Label	Replicates Concentration		
Ag 328.068	0.1857	-0.1405u	-0.2323u
Al 308.215	4.6989	3.1389	3.5238
As 188.980	-5.4158u	4.4188	-0.0798u
B 249.678	19.1644	17.4699	17.5565
Ba 389.178	31.4136	29.8529	29.3485
Be 313.042	-0.0495u	-0.0544u	-0.0588u
Ca 370.602	204.3	195.5	192.3
Cd 226.502	-0.0244u	-0.1159u	0.0474
Co 228.615	0.3937	0.1443	0.3849
Cr 267.716	0.2693	0.1164	0.2240
Cu 324.754	0.0227	0.2696	0.0610
Fe 271.441	28.4347	27.8143	26.2781
K 766.491	167.830	160.831	154.406
Mg 279.078	44.4561	46.2407	45.3696

Label	Replicates Concentration		
Mn 257.610	0.2716	0.2147	0.2074
Mo 202.032	-0.0862u	0.2721	0.1653
Na 330.237	38149.3	37034.5	35494.7
Ni 231.604	0.1043	0.1317	0.3488
Pb 220.353	2.2798	-2.8368u	1.1146
Sb 206.834	-1.2592u	3.0292	-0.9804u
Se 196.026	-3.1791u	-8.4337u	-13.8160u
Sn 189.925	1.3798	-4.8316u	-0.6941u
Sr 216.596	45.1801	43.6336	41.5800
Ti 334.941	0.0199	0.0321	0.0187
Tl 190.794	-1.0932u	-2.9072u	8.1211
V 292.401	0.0743	-0.0300u	0.1444
Zn 206.200	-0.5356u	0.4479	-0.3358u

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.0624	ppb	0.2197	352.2	-12.5691
Al 308.215	3.7872	ppb	0.8126	21.5	362.071
As 188.980	-0.3589	ppb	4.9232	1371.6	-5.3974
B 249.678	18.0636	ppb	0.9543	5.3	284.754
Ba 389.178	30.2050	ppb	1.0766	3.6	614.429
Be 313.042	-0.0543	ppb	0.0047	8.6	-3203.64
Ca 370.602	197.4	ppb	6.258	3.2	726.2
Cd 226.502	-0.0310	ppb	0.0819	264.4	17.5474
Co 228.615	0.3076	ppb	0.1415	46.0	-7.3975
Cr 267.716	0.2032	ppb	0.0786	38.7	10.2723
Cu 324.754	0.1177	ppb	0.1329	112.9	231.002
Fe 271.441	27.5090	ppb	1.1102	4.0	45.0861
K 766.491	161.022	ppb	6.7138	4.2	22321.7
Mg 279.078	45.3554	ppb	0.8924	2.0	119.802
Mn 257.610	0.2313	ppb	0.0352	15.2	75.5431
Mo 202.032	0.1171	ppb	0.1839	157.1	6.4976
Na 330.237	36892.8	ppb	1332.99	3.6	2250.94
Ni 231.604	0.1950	ppb	0.1340	68.7	3.7097
Pb 220.353	0.1859	ppb	2.6818	1442.8	-0.1499
Sb 206.834	0.2632	ppb	2.3995	911.7	5.1391
Se 196.026	-8.4762	ppb	5.3186	62.7	5.2608
Sn 189.925	-1.3820	ppb	3.1623	228.8	-6.0061
Sr 216.596	43.4646	ppb	1.8060	4.2	316.972
Ti 334.941	0.0235	ppb	0.0074	31.4	-74.8400
Tl 190.794	1.3736	ppb	5.9135	430.5	-6.3629
V 292.401	0.0629	ppb	0.0878	139.6	3.9924
Zn 206.200	-0.1412	ppb	0.5198	368.2	1.4876

280-59657-b-3-a^20 (Samp) **9/10/2014, 2:03:03 PM** **Rack 1, Tube 29**

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

Label	Replicates Concentration		
Ag 328.068	0.1126	-0.0457u	-0.0329u
Al 308.215	3.8371	5.6289	3.2657
As 188.980	-1.7296u	-5.4453u	-1.9148u
B 249.678	39.4416	37.9268	37.6729
Ba 389.178	106.688	105.133	101.005

Label	Replicates Concentration		
Be 313.042	-0.0600u	-0.0758u	-0.0541u
Ca 370.602	596.8	583.4	566.7
Cd 226.502	-0.1071u	0.1074	-0.0003u
Co 228.615	0.1318	0.0969	-0.3398u
Cr 267.716	0.1627	0.0728	-0.0925u
Cu 324.754	0.2272	0.3042	0.0986
Fe 271.441	48.1680	43.6815	43.4195
K 766.491	293.456	287.257	278.501
Mg 279.078	176.197	174.791	168.963
Mn 257.610	0.6897	0.6207	0.7007
Mo 202.032	0.1027	-0.2845u	0.5176
Na 330.237	70603.1	68887.5	66773.5
Ni 231.604	1.9493	1.5079	1.1723
Pb 220.353	-2.3619u	0.9952	-0.3868u
Sb 206.834	-3.8613u	5.6458	1.3654
Se 196.026	3.6995	-0.1061u	4.1372
Sn 189.925	5.6575	-1.9799u	-2.2197u
Sr 216.596	154.285	150.213	145.635
Ti 334.941	0.0538	0.0431	0.0525
Tl 190.794	4.6396	-8.5950u	-1.8582u
V 292.401	0.4766	0.3290	0.0250
Zn 206.200	-0.0719u	-1.5915u	0.4901

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	0.0113	ppb	0.0879	774.9	-9.0350
Al 308.215	4.2439	ppb	1.2330	29.1	364.673
As 188.980	-3.0299	ppb	2.0938	69.1	-6.6762
B 249.678	38.3471	ppb	0.9563	2.5	561.914
Ba 389.178	104.275	ppb	2.9370	2.8	2170.81
Be 313.042	-0.0633	ppb	0.0112	17.7	-3228.61
Ca 370.602	582.3	ppb	15.09	2.6	2149
Cd 226.502	0.0000	ppb	0.1072	1481929.1	18.3843
Co 228.615	-0.0370	ppb	0.2628	709.6	-10.0389
Cr 267.716	0.0476	ppb	0.1295	271.7	6.5233
Cu 324.754	0.2100	ppb	0.1039	49.5	235.090
Fe 271.441	45.0897	ppb	2.6692	5.9	60.6192
K 766.491	286.405	ppb	7.5137	2.6	38352.4
Mg 279.078	173.317	ppb	3.8354	2.2	390.035
Mn 257.610	0.6704	ppb	0.0434	6.5	136.857
Mo 202.032	0.1119	ppb	0.4011	358.3	6.4675
Na 330.237	68754.7	ppb	1918.25	2.8	4146.21
Ni 231.604	1.5431	ppb	0.3897	25.3	7.4057
Pb 220.353	-0.5845	ppb	1.6873	288.7	-0.9126
Sb 206.834	1.0500	ppb	4.7614	453.5	5.8029
Se 196.026	2.5769	ppb	2.3338	90.6	9.0694
Sn 189.925	0.4860	ppb	4.4803	921.9	-4.9910
Sr 216.596	150.044	ppb	4.3275	2.9	1088.66
Ti 334.941	0.0498	ppb	0.0059	11.8	-68.0002
Tl 190.794	-1.9379	ppb	6.6177	341.5	-8.0093
V 292.401	0.2769	ppb	0.2303	83.2	10.6553
Zn 206.200	-0.3911	ppb	1.0769	275.4	0.9839

280-59657-b-3-b ms (Samp) **9/10/2014, 2:07:31 PM** **Rack 1, Tube 30**

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

Label	Replicates Concentration		
Ag 328.068	3.4918	3.4752	3.0804
Al 308.215	333.134	317.148	310.767
As 188.980	5.2803	7.0001	4.9314
B 249.678	56.2775	54.2661	52.1696
Ba 389.178	122.713	119.331	114.457
Be 313.042	3.2810	3.1695	3.0335
Ca 370.602	980.5	940.7	904.1
Cd 226.502	3.4674	3.3666	3.0372
Co 228.615	3.7619	3.0823	3.0838
Cr 267.716	6.4906	6.2033	6.2322
Cu 324.754	7.2921	6.6056	6.4775
Fe 271.441	374.152	362.238	349.056
K 766.491	687.869	661.718	638.159
Mg 279.078	519.996	497.416	481.736
Mn 257.610	35.0108	33.7296	32.5477
Mo 202.032	6.5775	6.1117	6.4361
Na 330.237	77966.4	74777.6	72368.5
Ni 231.604	7.2957	5.9612	6.4246
Pb 220.353	4.2010	5.2436	6.6712
Sb 206.834	-1.8080u	4.7016	5.4588
Se 196.026	-0.5301u	11.2688	0.9290
Sn 189.925	12.0982	15.3632	11.0928
Sr 216.596	176.302	168.696	163.253
Ti 334.941	6.6628	6.3975	6.1793
Tl 190.794	0.5608	5.9839	-2.3339u
V 292.401	6.7190	6.5739	6.2053
Zn 206.200	5.5166	6.3935	6.8851

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	3.3491	ppb	0.2329	7.0	151.113
Al 308.215	320.350	ppb	11.5221	3.6	2156.43
As 188.980	5.7373	ppb	1.1074	19.3	-2.4799
B 249.678	54.2378	ppb	2.0541	3.8	778.808
Ba 389.178	118.834	ppb	4.1503	3.5	2478.07
Be 313.042	3.1613	ppb	0.1239	3.9	4351.09
Ca 370.602	941.8	ppb	38.21	4.1	3475
Cd 226.502	3.2904	ppb	0.2250	6.8	115.373
Co 228.615	3.3093	ppb	0.3919	11.8	15.6107
Cr 267.716	6.3087	ppb	0.1582	2.5	167.728
Cu 324.754	6.7917	ppb	0.4380	6.4	553.149
Fe 271.441	361.815	ppb	12.5536	3.5	341.536
K 766.491	662.582	ppb	24.8659	3.8	86448.5
Mg 279.078	499.716	ppb	19.2335	3.8	1078.79
Mn 257.610	33.7627	ppb	1.2319	3.6	4708.94
Mo 202.032	6.3751	ppb	0.2388	3.7	41.0995
Na 330.237	75037.5	ppb	2808.00	3.7	4519.67
Ni 231.604	6.5605	ppb	0.6776	10.3	21.1695
Pb 220.353	5.3720	ppb	1.2401	23.1	4.9619
Sb 206.834	2.7841	ppb	3.9949	143.5	7.2041
Se 196.026	3.8892	ppb	6.4324	165.4	9.5320

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Sn 189.925	12.8514	ppb	2.2326	17.4	1.6881
Sr 216.596	169.417	ppb	6.5544	3.9	1228.98
Ti 334.941	6.4132	ppb	0.2421	3.8	2167.15
Tl 190.794	1.4036	ppb	4.2225	300.8	-6.3546
V 292.401	6.4994	ppb	0.2649	4.1	209.361
Zn 206.200	6.2650	ppb	0.6932	11.1	14.4120

280-59657-b-3-c msd (Samp) **9/10/2014, 2:11:58 PM** **Rack 1, Tube 31**

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

Label	Replicates Concentration		
Ag 328.068	3.1540	3.1342	3.0224
Al 308.215	291.658	285.818	278.176
As 188.980	7.6358	5.7865	6.1965
B 249.678	49.2141	48.2007	47.5924
Ba 389.178	107.712	105.961	102.714
Be 313.042	2.8549	2.7993	2.7290
Ca 370.602	849.5	829.8	816.1
Cd 226.502	2.9516	2.9217	2.6724
Co 228.615	3.0666	2.4930	3.0999
Cr 267.716	6.1043	5.5023	5.4375
Cu 324.754	6.0307	6.1196	5.8522
Fe 271.441	330.737	322.907	311.743
K 766.491	594.693	581.979	566.637
Mg 279.078	454.247	449.817	428.879
Mn 257.610	30.7000	29.9993	29.2625
Mo 202.032	5.3529	4.6222	5.1659
Na 330.237	66609.5	65729.0	64284.3
Ni 231.604	6.0167	4.6125	5.9751
Pb 220.353	4.8193	8.3282	3.6359
Sb 206.834	7.7722	4.2324	2.6634
Se 196.026	10.1834	11.4645	4.4617
Sn 189.925	12.4904	11.4892	10.5728
Sr 216.596	152.305	148.875	144.235
Ti 334.941	5.8803	5.6876	5.5265
Tl 190.794	-1.8435u	9.2037	3.2953
V 292.401	6.1919	5.7822	5.7197
Zn 206.200	5.3696	5.8701	5.7932

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	3.1035	ppb	0.0710	2.3	139.326
Al 308.215	285.217	ppb	6.7609	2.4	1957.26
As 188.980	6.5396	ppb	0.9712	14.9	-2.0958
B 249.678	48.3357	ppb	0.8193	1.7	698.207
Ba 389.178	105.462	ppb	2.5358	2.4	2196.96
Be 313.042	2.7944	ppb	0.0631	2.3	3489.71
Ca 370.602	831.8	ppb	16.76	2.0	3069
Cd 226.502	2.8486	ppb	0.1533	5.4	102.386
Co 228.615	2.8865	ppb	0.3412	11.8	12.3812
Cr 267.716	5.6814	ppb	0.3677	6.5	151.505
Cu 324.754	6.0008	ppb	0.1362	2.3	514.979
Fe 271.441	321.796	ppb	9.5456	3.0	306.035

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
K 766.491	581.103	ppb	14.0483	2.4	76031.0
Mg 279.078	444.314	ppb	13.5499	3.0	961.857
Mn 257.610	29.9873	ppb	0.7188	2.4	4187.24
Mo 202.032	5.0470	ppb	0.3796	7.5	33.7534
Na 330.237	65540.9	ppb	1173.99	1.8	3954.81
Ni 231.604	5.5348	ppb	0.7990	14.4	18.3566
Pb 220.353	5.5945	ppb	2.4403	43.6	5.1851
Sb 206.834	4.8893	ppb	2.6170	53.5	9.0007
Se 196.026	8.7032	ppb	3.7287	42.8	11.1881
Sn 189.925	11.5175	ppb	0.9591	8.3	0.9659
Sr 216.596	148.471	ppb	4.0502	2.7	1077.33
Ti 334.941	5.6981	ppb	0.1771	3.1	1916.65
Tl 190.794	3.5518	ppb	5.5281	155.6	-5.2863
V 292.401	5.8979	ppb	0.2565	4.3	190.398
Zn 206.200	5.6776	ppb	0.2695	4.7	13.2271

mb 680-347548/1-a (Samp) **9/10/2014, 2:16:26 PM** **Rack 1, Tube 32**

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

Label	Replicates Concentration		
Ag 328.068	0.0728	0.1124	0.0520
Al 308.215	4.6498	5.2023	5.5492
As 188.980	1.5413	1.4355	-1.3721u
B 249.678	2.7208	1.7416	1.4333
Ba 389.178	-0.5114u	-0.6068u	-0.9658u
Be 313.042	-0.0510u	-0.0420u	-0.0555u
Ca 370.602	4.345	5.433	0.5817
Cd 226.502	0.0879	-0.2556u	0.1077
Co 228.615	-0.1326u	-0.4447u	-0.0908u
Cr 267.716	-0.1071u	0.2632	-0.2374u
Cu 324.754	0.3059	0.2884	0.3149
Fe 271.441	8.6175	14.8175	9.3567
K 766.491	-0.4965u	-0.6998u	-0.5044u
Mg 279.078	2.5484	4.8808	7.6212
Mn 257.610	-0.2293u	-0.2338u	-0.2500u
Mo 202.032	0.4623	0.0383	0.0650
Na 330.237	119.246	57.6778	383.730
Ni 231.604	0.6746	-0.7702u	0.6000
Pb 220.353	-4.4104u	-0.7457u	2.8635
Sb 206.834	3.6698	3.9277	1.4405
Se 196.026	-6.4769u	-8.8742u	-7.1718u
Sn 189.925	1.6164	-0.3268u	-0.4443u
Sr 216.596	0.0799	-0.0720u	-0.1830u
Ti 334.941	0.0698	0.0423	0.0664
Tl 190.794	-0.6279u	-2.6170u	-3.0919u
V 292.401	0.0252	0.1355	0.2269
Zn 206.200	3.4039	2.9642	2.4134

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	0.0791	ppb	0.0307	38.8	-5.7860
Al 308.215	5.1338	ppb	0.4536	8.8	369.711
As 188.980	0.5349	ppb	1.6524	308.9	-4.9693

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Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
B 249.678	1.9652	ppb	0.6723	34.2	64.8047
Ba 389.178	-0.6947	ppb	0.2396	34.5	-34.8235
Be 313.042	-0.0495	ppb	0.0068	13.8	-3187.98
Ca 370.602	3.453	ppb	2.546	73.7	9.579
Cd 226.502	-0.0200	ppb	0.2043	1021.0	17.9617
Co 228.615	-0.2227	ppb	0.1934	86.8	-11.4650
Cr 267.716	-0.0271	ppb	0.2597	958.6	4.0431
Cu 324.754	0.3031	ppb	0.0135	4.4	240.155
Fe 271.441	10.9306	ppb	3.3864	31.0	30.3830
K 766.491	-0.5669	ppb	0.1151	20.3	1661.68
Mg 279.078	5.0168	ppb	2.5391	50.6	34.6335
Mn 257.610	-0.2377	ppb	0.0109	4.6	10.6275
Mo 202.032	0.1885	ppb	0.2375	126.0	6.8944
Na 330.237	186.884	ppb	173.230	92.7	67.5165
Ni 231.604	0.1681	ppb	0.8135	483.8	3.6356
Pb 220.353	-0.7642	ppb	3.6370	475.9	-1.0902
Sb 206.834	3.0127	ppb	1.3676	45.4	7.4608
Se 196.026	-7.5076	ppb	1.2334	16.4	5.5930
Sn 189.925	0.2818	ppb	1.1573	410.7	-5.1148
Sr 216.596	-0.0584	ppb	0.1320	226.1	1.8136
Ti 334.941	0.0595	ppb	0.0150	25.2	-59.2552
Tl 190.794	-2.1123	ppb	1.3072	61.9	-8.0944
V 292.401	0.1292	ppb	0.1010	78.2	6.4109
Zn 206.200	2.9272	ppb	0.4963	17.0	7.6817

lcs 680-347548/2-a (Samp) **9/10/2014, 2:20:55 PM** **Rack 1, Tube 33**

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

Label	Replicates Concentration		
Ag 328.068	53.3101	53.7276	53.0097
Al 308.215	5076.50	5069.20	5066.18
As 188.980	105.841	109.944	108.090
B 249.678	203.856	203.051	204.187
Ba 389.178	102.541	102.004	101.042
Be 313.042	52.2148	52.1291	52.0212
Ca 370.602	5053	5040	5041
Cd 226.502	51.7115	51.7041	51.9428
Co 228.615	53.3930	52.5373	52.4492
Cr 267.716	104.919	104.024	104.439
Cu 324.754	104.453	104.219	104.004
Fe 271.441	5146.69	5157.14	5131.74
K 766.491	5159.82	5149.79	5140.43
Mg 279.078	5077.02	5061.15	5053.40
Mn 257.610	538.822	537.962	536.645
Mo 202.032	102.681	103.141	103.494
Na 330.237	4958.71	5073.58	5029.05
Ni 231.604	103.631	102.380	105.307
Pb 220.353	50.7181	50.3780	48.9426
Sb 206.834	54.7636	46.8015	47.6771
Se 196.026	104.025	104.623	106.328
Sn 189.925	210.688	212.345	207.798
Sr 216.596	101.567	102.486	102.824

Label	Replicates Concentration		
Ti 334.941	103.300	103.354	102.959
Tl 190.794	36.5024	40.8497	37.7175
V 292.401	104.685	104.275	104.244
Zn 206.200	107.649	111.068	107.895

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	53.3491	ppb	0.3605	0.7	2550.18
Al 308.215	5070.63	ppb	5.3070	0.1	29082.5
As 188.980	107.958	ppb	2.0544	1.9	46.4443
B 249.678	203.698	ppb	0.5843	0.3	2818.30
Ba 389.178	101.862	ppb	0.7595	0.7	2142.10
Be 313.042	52.1217	ppb	0.0970	0.2	119457
Ca 370.602	5045	ppb	7.143	0.1	18597
Cd 226.502	51.7861	ppb	0.1357	0.3	1545.64
Co 228.615	52.7932	ppb	0.5213	1.0	394.859
Cr 267.716	104.461	ppb	0.4477	0.4	2693.46
Cu 324.754	104.225	ppb	0.2246	0.2	5262.69
Fe 271.441	5145.19	ppb	12.7672	0.2	4583.85
K 766.491	5150.01	ppb	9.7000	0.2	660188
Mg 279.078	5063.86	ppb	12.0404	0.2	10709.2
Mn 257.610	537.810	ppb	1.0965	0.2	74346.7
Mo 202.032	103.106	ppb	0.4077	0.4	575.983
Na 330.237	5020.45	ppb	57.9136	1.2	350.726
Ni 231.604	103.772	ppb	1.4686	1.4	287.795
Pb 220.353	50.0129	ppb	0.9424	1.9	48.8278
Sb 206.834	49.7474	ppb	4.3662	8.8	45.8838
Se 196.026	104.992	ppb	1.1947	1.1	44.5031
Sn 189.925	210.277	ppb	2.3014	1.1	108.292
Sr 216.596	102.292	ppb	0.6507	0.6	742.941
Ti 334.941	103.204	ppb	0.2141	0.2	36178.2
Tl 190.794	38.3566	ppb	2.2430	5.8	11.9232
V 292.401	104.401	ppb	0.2460	0.2	3337.42
Zn 206.200	108.871	ppb	1.9070	1.8	221.408

680-104772-d-83-a (Samp) **9/10/2014, 2:25:23 PM** **Rack 1, Tube 34**

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

Label	Replicates Concentration		
Ag 328.068	-0.4981u	-0.3021u	-0.3517u
Al 308.215	9.7704	6.8487	5.8883
As 188.980	2.1804	1.2788	3.6030
B 249.678	202.832	202.671	203.614
Ba 389.178	30.6626	30.8794	30.0107
Be 313.042	-0.0315u	-0.0271u	-0.0076u
Ca 370.602	7055	7030	7023
Cd 226.502	-0.2393	0.0648	0.2092
Co 228.615	0.3272	1.3589	0.9390
Cr 267.716	-0.2045u	-0.1685u	0.0664
Cu 324.754	-0.0394u	0.5387	0.3437
Fe 271.441	17923.3	17818.6	17865.2
K 766.491	13335.7	13247.7	13232.7
Mg 279.078	1487.58	1475.18	1475.75

Label	Replicates Concentration		
Mn 257.610	195.765	194.695	194.781
Mo 202.032	0.0130u	-0.1507u	-0.4310u
Na 330.237	11169.3	11132.4	10984.2
Ni 231.604	1.0315	-0.3440u	0.0112
Pb 220.353	0.8633	-1.9423u	-0.4803u
Sb 206.834	-4.0140u	-1.2795u	3.1492
Se 196.026	-10.1842u	-5.8051u	-9.8892u
Sn 189.925	1.7058	1.4091	0.9481
Sr 216.596	45.4079	45.6229	46.0160
Ti 334.941	0.1039	0.0904	0.0963
Tl 190.794	-0.9421u	4.0290	3.3048
V 292.401	0.1792	0.5348	0.2211
Zn 206.200	5.1416	7.1283	7.6830

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.3840	ppb	0.1019	26.5	-29.0677
Al 308.215	7.5025	ppb	2.0219	27.0	383.103
As 188.980	2.3541	ppb	1.1718	49.8	-4.2264
B 249.678	203.039	ppb	0.5044	0.2	2800.05
Ba 389.178	30.5176	ppb	0.4521	1.5	657.034
Be 313.042	-0.0220	ppb	0.0127	57.8	-3122.77
Ca 370.602	7036	ppb	16.79	0.2	25758
Cd 226.502	0.0116	ppb	0.2290	1979.5	65.1550
Co 228.615	0.8750	ppb	0.5188	59.3	-2.2087
Cr 267.716	-0.1022	ppb	0.1471	144.0	2.1949
Cu 324.754	0.2810	ppb	0.2941	104.7	232.385
Fe 271.441	17869.0	ppb	52.4761	0.3	15854.9
K 766.491	13272.0	ppb	55.6508	0.4	1698630
Mg 279.078	1479.50	ppb	6.9992	0.5	3113.01
Mn 257.610	195.080	ppb	0.5945	0.3	27028.6
Mo 202.032	-0.1895	ppb	0.2246	118.5	3.3246
Na 330.237	11095.3	ppb	97.9388	0.9	708.290
Ni 231.604	0.2329	ppb	0.7141	306.6	4.4472
Pb 220.353	-0.5198	ppb	1.4032	270.0	-1.0419
Sb 206.834	-0.7148	ppb	3.6149	505.7	4.3211
Se 196.026	-8.6262	ppb	2.4476	28.4	5.5096
Sn 189.925	1.3543	ppb	0.3818	28.2	-4.5334
Sr 216.596	45.6823	ppb	0.3084	0.7	346.708
Ti 334.941	0.0969	ppb	0.0068	7.0	-41.3866
Tl 190.794	2.1306	ppb	2.6855	126.0	-6.6900
V 292.401	0.3117	ppb	0.1943	62.4	19.8534
Zn 206.200	6.6510	ppb	1.3362	20.1	15.5943

680-104772-d-83-aSD (Samp) **9/10/2014, 2:29:52 PM** **Rack 1, Tube 35**

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

Label	Replicates Concentration		
Ag 328.068	0.4964	-0.1433u	0.2816
Al 308.215	3.6582	3.0334	3.8148
As 188.980	3.5058	-0.1563u	5.3109
B 249.678	44.3009	45.8198	44.9907
Ba 389.178	6.4506	5.1928	6.4881

Label	Replicates Concentration		
Be 313.042	-0.0309u	-0.0382u	-0.0557u
Ca 370.602	1505	1515	1514
Cd 226.502	-0.2418	-0.1731	0.0520
Co 228.615	-0.0714u	-0.6868u	0.1192
Cr 267.716	-0.0845u	0.0098	-0.0834u
Cu 324.754	0.3622	0.5328	-0.0150u
Fe 271.441	3849.84	3878.78	3862.13
K 766.491	2948.20	2958.55	2951.11
Mg 279.078	321.344	321.103	327.977
Mn 257.610	41.8492	42.1144	42.0169
Mo 202.032	0.6015	-0.3660u	0.0997
Na 330.237	2511.66	2347.83	2477.82
Ni 231.604	-0.1447u	1.5041	2.2807
Pb 220.353	3.4212	1.5554	-3.9554u
Sb 206.834	-2.1650u	2.4954	4.8736
Se 196.026	-4.6060u	-11.6771u	-7.3760u
Sn 189.925	-3.3901u	1.5308	0.1622
Sr 216.596	10.0890	10.1955	10.0592
Ti 334.941	0.0280	0.0585	0.0368
Tl 190.794	-1.5471u	-4.9329u	0.5236
V 292.401	-0.0492	0.5814	0.0832
Zn 206.200	0.9179	1.8620	0.5855

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	0.2116	ppb	0.3255	153.8	0.3377
Al 308.215	3.5021	ppb	0.4134	11.8	360.463
As 188.980	2.8868	ppb	2.7857	96.5	-3.8710
B 249.678	45.0371	ppb	0.7605	1.7	650.695
Ba 389.178	6.0438	ppb	0.7373	12.2	114.544
Be 313.042	-0.0416	ppb	0.0127	30.5	-3169.28
Ca 370.602	1511	ppb	5.654	0.4	5530
Cd 226.502	-0.1209	ppb	0.1537	127.1	25.0018
Co 228.615	-0.2130	ppb	0.4212	197.8	-11.2096
Cr 267.716	-0.0527	ppb	0.0541	102.6	3.4002
Cu 324.754	0.2934	ppb	0.2803	95.6	238.247
Fe 271.441	3863.58	ppb	14.5274	0.4	3444.29
K 766.491	2952.62	ppb	5.3365	0.2	379241
Mg 279.078	323.475	ppb	3.9008	1.2	699.502
Mn 257.610	41.9935	ppb	0.1341	0.3	5852.39
Mo 202.032	0.1118	ppb	0.4839	433.0	6.1504
Na 330.237	2445.77	ppb	86.4916	3.5	200.143
Ni 231.604	1.2134	ppb	1.2385	102.1	6.6374
Pb 220.353	0.3404	ppb	3.8354	1126.8	-0.0385
Sb 206.834	1.7346	ppb	3.5804	206.4	6.3828
Se 196.026	-7.8864	ppb	3.5631	45.2	5.5277
Sn 189.925	-0.5657	ppb	2.5399	449.0	-5.5720
Sr 216.596	10.1145	ppb	0.0717	0.7	78.3927
Ti 334.941	0.0411	ppb	0.0157	38.3	-64.6821
Tl 190.794	-1.9855	ppb	2.7545	138.7	-8.1836
V 292.401	0.2051	ppb	0.3325	162.1	10.4956
Zn 206.200	1.1218	ppb	0.6622	59.0	4.1227

680-104772-d-83-aPDS (Samp) **9/10/2014, 2:34:21 PM** **Rack 1, Tube 36**

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

Label	Replicates Concentration		
Ag 328.068	47.5481	47.7933	47.7463
Al 308.215	2155.37	2145.74	2143.96
As 188.980	221.809	221.115	206.485
B 249.678	725.122	722.409	726.824
Ba 389.178	249.848	249.388	247.723
Be 313.042	55.2233	55.0444	55.0415
Ca 370.602	9193	9157	9151
Cd 226.502	55.1348	54.9807	54.9192
Co 228.615	219.321	219.045	218.333
Cr 267.716	218.275	218.120	218.416
Cu 324.754	222.526	220.360	221.782
Fe 271.441	20439.3	20345.1	20355.1
K 766.491	15657.1	15582.7	15594.9
Mg 279.078	3685.45	3674.01	3672.71
Mn 257.610	427.619	425.708	425.805
Mo 202.032	216.565	214.690	216.990
Na 330.237	13547.3	13395.4	13591.0
Ni 231.604	219.510	219.140	217.661
Pb 220.353	212.788	214.656	219.946
Sb 206.834	201.911	204.737	211.060
Se 196.026	205.822	202.608	199.971
Sn 189.925	230.042	222.856	222.400
Sr 216.596	265.819	264.346	265.354
Ti 334.941	216.148	215.485	215.741
Tl 190.794	218.359	204.949	213.315
V 292.401	218.149	217.243	217.923
Zn 206.200	227.004	225.399	230.448

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	47.6959	ppb	0.1301	0.3	2277.45
Al 308.215	2148.36	ppb	6.1407	0.3	12537.7
As 188.980	216.470	ppb	8.6542	4.0	98.3078
B 249.678	724.785	ppb	2.2268	0.3	9929.73
Ba 389.178	248.986	ppb	1.1179	0.4	5257.71
Be 313.042	55.1031	ppb	0.1042	0.2	126482
Ca 370.602	9167	ppb	22.47	0.2	33647
Cd 226.502	55.0116	ppb	0.1111	0.2	1679.63
Co 228.615	218.900	ppb	0.5096	0.2	1668.77
Cr 267.716	218.270	ppb	0.1479	0.1	5622.77
Cu 324.754	221.556	ppb	1.1008	0.5	10934.9
Fe 271.441	20379.8	ppb	51.7508	0.3	18095.1
K 766.491	15611.6	ppb	39.9075	0.3	1997752
Mg 279.078	3677.39	ppb	7.0100	0.2	7749.99
Mn 257.610	426.377	ppb	1.0762	0.3	58985.5
Mo 202.032	216.082	ppb	1.2239	0.6	1199.89
Na 330.237	13511.2	ppb	102.644	0.8	846.674
Ni 231.604	218.770	ppb	0.9782	0.4	603.543
Pb 220.353	215.796	ppb	3.7130	1.7	212.757
Sb 206.834	205.903	ppb	4.6846	2.3	176.685
Se 196.026	202.800	ppb	2.9304	1.4	78.3953

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Sn 189.925	225.099	ppb	4.2865	1.9	116.298
Sr 216.596	265.173	ppb	0.7529	0.3	1928.61
Ti 334.941	215.792	ppb	0.3345	0.2	75719.1
Tl 190.794	212.208	ppb	6.7734	3.2	97.8651
V 292.401	217.771	ppb	0.4714	0.2	6962.81
Zn 206.200	227.617	ppb	2.5794	1.1	461.181

Cont Calib Verif (CCV) **9/10/2014, 2:38:49 PM** **Rack 1, Tube 37**

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

Label	Replicates Concentration		
Ag 328.068	499.707	502.680	510.648
Al 308.215	4893.87	4907.83	4991.71
As 188.980	484.632	481.722	483.561
B 249.678	507.078	508.998	521.331
Ba 389.178	4950.86	4964.55	5052.51
Be 313.042	496.866	496.184	506.175
Ca 370.602	4969	4980	5069
Cd 226.502	493.716	494.280	504.787
Co 228.615	495.232	495.485	506.483
Cr 267.716	4957.26	4968.03	5056.32
Cu 324.754	5036.96	5024.12	5020.23
Fe 271.441	4929.25	4941.83	5030.69
K 766.491	9975.30	9981.54	10139.5
Mg 279.078	4946.35	4956.81	5039.94
Mn 257.610	5024.15	5039.52	5152.91
Mo 202.032	494.200	499.813	509.397
Na 330.237	7067.75	7023.04	7417.38
Ni 231.604	2515.37	2512.65	2557.94
Pb 220.353	500.266	496.536	492.456
Sb 206.834	937.660	944.301	959.093
Se 196.026	4953.97	4947.86	5085.40
Sn 189.925	4938.05	4952.40	5047.16
Sr 216.596	2479.89	2484.56	2529.61
Ti 334.941	487.952	488.946	497.814
Tl 190.794	5044.63	5054.53	5152.72
V 292.401	4929.93	4944.78	5035.64
Zn 206.200	2499.77	2498.60	2555.44

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Ag 328.068	504.345	ppb	5.6573	1.1	24205.2	100.86906
Al 308.215	4931.14	ppb	52.9209	1.1	28565.7	98.62276
As 188.980	483.305	ppb	1.4718	0.3	226.226	96.66098
B 249.678	512.469	ppb	7.7348	1.5	7049.40	102.49380
Ba 389.178	4989.31	ppb	55.1650	1.1	104823	99.78613
Be 313.042	499.742	ppb	5.5819	1.1	1172998	99.94832
Ca 370.602	5006	ppb	55.00	1.1	18541	100.12135
Cd 226.502	497.594	ppb	6.2355	1.3	14576.5	99.51889
Co 228.615	499.067	ppb	6.4239	1.3	3815.01	99.81335
Cr 267.716	4993.87	ppb	54.3506	1.1	128539	99.87745
Cu 324.754	5027.10	ppb	8.7533	0.2	243414	100.54207
Fe 271.441	4967.26	ppb	55.2922	1.1	4473.02	99.34514

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
K 766.491	10032.1	ppb	93.0499	0.9	1284389	100.32112
Mg 279.078	4981.03	ppb	51.2805	1.0	10534.5	99.62064
Mn 257.610	5072.19	ppb	70.3236	1.4	700475	101.44385
Mo 202.032	501.137	ppb	7.6845	1.5	2776.60	100.22731
Na 330.237	7169.39	ppb	215.925	3.0	465.199	95.59187
Ni 231.604	2528.65	ppb	25.3996	1.0	6934.29	101.14604
Pb 220.353	496.419	ppb	3.9065	0.8	492.553	99.28384
Sb 206.834	947.018	ppb	10.9715	1.2	828.717	94.70178
Se 196.026	4995.74	ppb	77.7042	1.6	1729.33	99.91487
Sn 189.925	4979.20	ppb	59.2898	1.2	2683.71	99.58408
Sr 216.596	2498.02	ppb	27.4579	1.1	18006.2	99.92075
Ti 334.941	491.571	ppb	5.4298	1.1	172578	98.31417
Tl 190.794	5083.96	ppb	59.7552	1.2	2522.96	101.67923
V 292.401	4970.12	ppb	57.2320	1.2	159681	99.40237
Zn 206.200	2517.94	ppb	32.4803	1.3	5072.63	100.71744

Cont Calib Blank (CCB) **9/10/2014, 2:43:16 PM** **Rack 1, Tube 38**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Replicates	Concentration	
Ag 328.068	0.3373	0.1549	-0.2847u
Al 308.215	4.6476	4.4840	5.0495
As 188.980	3.6083	-0.0857u	-3.8833u
B 249.678	7.3104	5.9696	5.4859
Ba 389.178	0.3901	-0.5013u	0.1732
Be 313.042	-0.0488u	-0.0377u	-0.0487u
Ca 370.602	-0.2391u	4.421	4.075
Cd 226.502	-0.0234u	-0.0559u	0.0826
Co 228.615	-0.0538u	-0.1335u	-0.3378u
Cr 267.716	0.3436	0.2479	0.4594
Cu 324.754	0.6965	0.5016	0.3486
Fe 271.441	4.6110	-0.0626u	-2.2820u
K 766.491	0.2547	0.1660	-0.0580u
Mg 279.078	0.7014	1.0379	2.0460
Mn 257.610	0.0804	0.0294	0.0187
Mo 202.032	1.7531	1.0826	0.1303
Na 330.237	58.7890	19.0775	122.809
Ni 231.604	0.2633	0.1975	-0.5384u
Pb 220.353	3.1156	2.6821	1.0379
Sb 206.834	5.0206	1.9653	4.6836
Se 196.026	-12.0350u	-3.0244u	4.3719
Sn 189.925	0.1828	3.2672	2.7766
Sr 216.596	0.3477	-0.6495u	-0.8582u
Ti 334.941	0.1167	0.1294	0.0665
Tl 190.794	4.8887	-0.5990u	0.8187
V 292.401	0.8101	0.4347	0.5470
Zn 206.200	0.4440	-1.3057u	-0.2861u

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Ag 328.068	0.0692	ppb	0.3197	462.1	-6.2560	0.06918
Al 308.215	4.7270	ppb	0.2910	6.2	367.485	4.72701
As 188.980	-0.1202	ppb	3.7459	3115.3	-5.2827	-0.12024

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
B 249.678	6.2553	ppb	0.9452	15.1	123.460	6.25531
Ba 389.178	0.0207	ppb	0.4649	2250.9	-19.8234	0.02065
Be 313.042	-0.0451	ppb	0.0064	14.1	-3177.54	-0.04508
Ca 370.602	2.752	ppb	2.596	94.3	7.152	2.75216
Cd 226.502	0.0011	ppb	0.0724	6476.8	18.5507	0.00112
Co 228.615	-0.1750	ppb	0.1465	83.7	-11.1155	-0.17504
Cr 267.716	0.3503	ppb	0.1059	30.2	13.7550	0.35032
Cu 324.754	0.5156	ppb	0.1744	33.8	250.445	0.51555
Fe 271.441	0.7555	ppb	3.5186	465.8	21.3652	0.75547
K 766.491	0.1209	ppb	0.1612	133.3	1749.62	0.12090
Mg 279.078	1.2618	ppb	0.6997	55.5	26.7248	1.26175
Mn 257.610	0.0428	ppb	0.0330	76.9	49.3135	0.04283
Mo 202.032	0.9887	ppb	0.8155	82.5	11.3231	0.98868
Na 330.237	66.8919	ppb	52.3384	78.2	60.3930	66.89191
Ni 231.604	-0.0259	ppb	0.4451	1721.5	3.1034	-0.02585
Pb 220.353	2.2785	ppb	1.0960	48.1	1.9211	2.27853
Sb 206.834	3.8898	ppb	1.6752	43.1	8.1905	3.88982
Se 196.026	-3.5625	ppb	8.2167	230.6	6.9515	-3.56250
Sn 189.925	2.0755	ppb	1.6574	79.9	-4.1461	2.07550
Sr 216.596	-0.3867	ppb	0.6445	166.7	-0.5779	-0.38665
Ti 334.941	0.1042	ppb	0.0333	31.9	-43.5637	0.10417
Tl 190.794	1.7028	ppb	2.8487	167.3	-6.1983	1.70280
V 292.401	0.5973	ppb	0.1927	32.3	21.2605	0.59726
Zn 206.200	-0.3826	ppb	0.8788	229.7	0.9992	-0.38257

680-104772-d-83-b ms (Samp) **9/10/2014, 2:47:42 PM** **Rack 1, Tube 39**

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

Label	Replicates Concentration		
Ag 328.068	52.1889	53.4257	52.6682
Al 308.215	4844.92	4856.76	4833.64
As 188.980	103.095	104.928	104.336
B 249.678	393.418	394.385	393.277
Ba 389.178	125.571	126.231	124.425
Be 313.042	49.6030	49.6994	49.5961
Ca 370.602	11532	11568	11538
Cd 226.502	49.4657	50.0259	49.7012
Co 228.615	49.4718	50.7146	49.3494
Cr 267.716	99.4861	99.3032	98.6902
Cu 324.754	100.481	100.035	99.8870
Fe 271.441	21903.8	22007.9	21948.5
K 766.491	17761.9	17816.3	17724.7
Mg 279.078	6230.12	6252.73	6214.77
Mn 257.610	693.265	695.568	693.335
Mo 202.032	98.5028	97.9617	98.9287
Na 330.237	15528.9	15844.6	15716.3
Ni 231.604	99.3068	99.8129	100.733
Pb 220.353	50.8949	46.3117	52.4627
Sb 206.834	48.9512	52.8249	50.1811
Se 196.026	97.1645	79.5102	95.3549
Sn 189.925	200.617	204.878	206.263
Sr 216.596	142.137	142.316	139.480

Label	Replicates Concentration		
Ti 334.941	98.0862	98.3310	98.0538
Tl 190.794	40.5062	50.6580	37.3733
V 292.401	99.5261	99.9011	99.9598
Zn 206.200	107.031	105.660	105.481

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	52.7609	ppb	0.6236	1.2	2520.85
Al 308.215	4845.10	ppb	11.5605	0.2	27804.2
As 188.980	104.119	ppb	0.9358	0.9	44.4843
B 249.678	393.693	ppb	0.6029	0.2	5402.85
Ba 389.178	125.409	ppb	0.9140	0.7	2670.42
Be 313.042	49.6328	ppb	0.0578	0.1	113606
Ca 370.602	11546	ppb	19.56	0.2	42395
Cd 226.502	49.7309	ppb	0.2813	0.6	1529.36
Co 228.615	49.8453	ppb	0.7554	1.5	373.055
Cr 267.716	99.1598	ppb	0.4169	0.4	2557.09
Cu 324.754	100.134	ppb	0.3090	0.3	5058.59
Fe 271.441	21953.4	ppb	52.2336	0.2	19477.8
K 766.491	17767.7	ppb	46.0588	0.3	2273417
Mg 279.078	6232.54	ppb	19.0931	0.3	13143.6
Mn 257.610	694.056	ppb	1.3101	0.2	95965.8
Mo 202.032	98.4644	ppb	0.4847	0.5	548.902
Na 330.237	15696.6	ppb	158.762	1.0	978.216
Ni 231.604	99.9510	ppb	0.7232	0.7	277.921
Pb 220.353	49.8898	ppb	3.1963	6.4	48.5354
Sb 206.834	50.6524	ppb	1.9794	3.9	46.6975
Se 196.026	90.6765	ppb	9.7126	10.7	39.8543
Sn 189.925	203.919	ppb	2.9428	1.4	104.861
Sr 216.596	141.311	ppb	1.5886	1.1	1038.60
Ti 334.941	98.1570	ppb	0.1515	0.2	34409.5
Tl 190.794	42.8458	ppb	6.9445	16.2	13.4807
V 292.401	99.7957	ppb	0.2353	0.2	3197.48
Zn 206.200	106.057	ppb	0.8482	0.8	216.115

680-104772-d-83-c ms (Samp) **9/10/2014, 2:52:09 PM** **Rack 1, Tube 40**

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

Label	Replicates Concentration		
Ag 328.068	54.2545	54.3512	53.6084
Al 308.215	5062.26	5053.19	5058.44
As 188.980	110.113	105.262	113.327
B 249.678	407.839	407.597	408.112
Ba 389.178	131.198	130.844	129.834
Be 313.042	51.8255	51.8634	51.6986
Ca 370.602	12003	12008	12008
Cd 226.502	51.5674	51.3891	51.5537
Co 228.615	52.1135	52.7076	52.1224
Cr 267.716	103.640	102.838	103.084
Cu 324.754	105.222	104.475	104.145
Fe 271.441	22808.7	22806.1	22749.3
K 766.491	18297.9	18271.6	18244.0
Mg 279.078	6488.68	6484.88	6476.83

Label	Replicates Concentration		
Mn 257.610	722.144	722.543	720.719
Mo 202.032	102.751	103.193	102.676
Na 330.237	16334.6	16188.1	16265.5
Ni 231.604	101.872	101.292	102.649
Pb 220.353	51.7590	47.1673	49.2193
Sb 206.834	49.9412	51.3814	54.9859
Se 196.026	100.567	96.6883	86.9020
Sn 189.925	206.676	211.415	209.697
Sr 216.596	146.910	148.038	146.380
Ti 334.941	102.285	102.296	102.211
Tl 190.794	39.4683	40.9822	40.3094
V 292.401	103.830	103.349	103.523
Zn 206.200	109.397	108.826	107.986

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	54.0714	ppb	0.4038	0.7	2583.71
Al 308.215	5057.96	ppb	4.5544	0.1	29010.7
As 188.980	109.567	ppb	4.0602	3.7	47.0871
B 249.678	407.849	ppb	0.2579	0.1	5595.64
Ba 389.178	130.625	ppb	0.7082	0.5	2782.21
Be 313.042	51.7959	ppb	0.0863	0.2	118691
Ca 370.602	12007	ppb	2.709	0.0	44086
Cd 226.502	51.5034	ppb	0.0992	0.2	1583.41
Co 228.615	52.3145	ppb	0.3404	0.7	392.006
Cr 267.716	103.187	ppb	0.4113	0.4	2660.76
Cu 324.754	104.614	ppb	0.5520	0.5	5274.90
Fe 271.441	22788.0	ppb	33.5391	0.1	20217.6
K 766.491	18271.2	ppb	26.9565	0.1	2337791
Mg 279.078	6483.46	ppb	6.0537	0.1	13671.9
Mn 257.610	721.802	ppb	0.9588	0.1	99800.4
Mo 202.032	102.873	ppb	0.2795	0.3	573.228
Na 330.237	16262.7	ppb	73.2815	0.5	1011.43
Ni 231.604	101.938	ppb	0.6810	0.7	283.398
Pb 220.353	49.3818	ppb	2.3002	4.7	48.0111
Sb 206.834	52.1028	ppb	2.5986	5.0	47.8758
Se 196.026	94.7192	ppb	7.0421	7.4	41.2642
Sn 189.925	209.262	ppb	2.3989	1.1	107.746
Sr 216.596	147.110	ppb	0.8468	0.6	1081.14
Ti 334.941	102.264	ppb	0.0458	0.0	35852.5
Tl 190.794	40.2533	ppb	0.7585	1.9	12.1629
V 292.401	103.567	ppb	0.2439	0.2	3318.06
Zn 206.200	108.736	ppb	0.7101	0.7	221.532

680-104772-d-84-a (Samp) **9/10/2014, 2:56:36 PM** **Rack 1, Tube 41**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Replicates Concentration		
Ag 328.068	-0.5793u	-0.4126u	-0.2751u
Al 308.215	4125.59	4122.93	4131.38
As 188.980	2.6014	5.0685	-8.8656u
B 249.678	70.0598	68.6492	69.6524
Ba 389.178	31.0503	32.8081	32.1555

Label	Replicates Concentration		
Be 313.042	0.6570	0.6668	0.6563
Ca 370.602	7218	7218	7227
Cd 226.502	0.1662	-0.0459u	-0.0978u
Co 228.615	7.5478	8.0299	8.3245
Cr 267.716	0.8072	1.3468	0.7134
Cu 324.754	5.6902	5.3692	5.4377
Fe 271.441	34.4222	32.4511	29.4950
K 766.491	2253.77	2245.59	2255.19
Mg 279.078	1439.62	1438.08	1444.27
Mn 257.610	42.8477	42.7944	42.8961
Mo 202.032	0.4498	-0.2928u	0.1838
Na 330.237	34776.8	35217.9	34659.3
Ni 231.604	15.4858	15.9072	16.2020
Pb 220.353	3.6247	6.4777	6.5059
Sb 206.834	9.1372	3.6634	-2.5587u
Se 196.026	-7.0921u	2.0354	-7.0994u
Sn 189.925	-0.8484u	0.1382	4.7603
Sr 216.596	51.4644	52.3583	52.1161
Ti 334.941	0.3070	0.2771	0.2937
Tl 190.794	3.5976	-3.0524u	-4.8284u
V 292.401	0.4285	0.5552	0.3094
Zn 206.200	132.216	126.361	127.211

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.4223	ppb	0.1523	36.1	-29.6937
Al 308.215	4126.63	ppb	4.3223	0.1	23722.1
As 188.980	-0.3986	ppb	7.4357	1865.5	-5.4164
B 249.678	69.4538	ppb	0.7259	1.0	986.941
Ba 389.178	32.0046	ppb	0.8885	2.8	655.741
Be 313.042	0.6600	ppb	0.0058	0.9	-1521.21
Ca 370.602	7221	ppb	5.077	0.1	26691
Cd 226.502	0.0075	ppb	0.1399	1861.4	18.7086
Co 228.615	7.9674	ppb	0.3921	4.9	51.3428
Cr 267.716	0.9558	ppb	0.3418	35.8	29.6518
Cu 324.754	5.4990	ppb	0.1691	3.1	484.627
Fe 271.441	32.1228	ppb	2.4799	7.7	49.6941
K 766.491	2251.52	ppb	5.1802	0.2	289602
Mg 279.078	1440.66	ppb	3.2222	0.2	3066.85
Mn 257.610	42.8461	ppb	0.0509	0.1	5967.98
Mo 202.032	0.1136	ppb	0.3762	331.1	6.4777
Na 330.237	34884.7	ppb	294.515	0.8	2131.10
Ni 231.604	15.8650	ppb	0.3600	2.3	46.6626
Pb 220.353	5.5361	ppb	1.6554	29.9	4.9737
Sb 206.834	3.4140	ppb	5.8520	171.4	7.8069
Se 196.026	-4.0521	ppb	5.2718	130.1	6.8264
Sn 189.925	1.3500	ppb	2.9943	221.8	-4.5310
Sr 216.596	51.9796	ppb	0.4623	0.9	379.647
Ti 334.941	0.2926	ppb	0.0150	5.1	22.9855
Tl 190.794	-1.4277	ppb	4.4417	311.1	-7.7806
V 292.401	0.4310	ppb	0.1229	28.5	15.8072
Zn 206.200	128.596	ppb	3.1633	2.5	261.366

680-104772-d-85-a (Samp) **9/10/2014, 3:01:04 PM** **Rack 1, Tube 42**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Replicates Concentration		
Ag 328.068	0.1464	-0.6491u	-0.3202u
Al 308.215	442.752	442.837	442.108
As 188.980	3.8482	6.7804	-2.7129u
B 249.678	36.3506	36.8459	37.1151
Ba 389.178	40.8643	40.1621	41.3793
Be 313.042	0.1374	0.1365	0.1291
Ca 370.602	6116	6133	6134
Cd 226.502	0.2275	0.0804	0.3617
Co 228.615	28.0126	27.9280	27.2921
Cr 267.716	0.1067	0.4082	0.1645
Cu 324.754	4.7648	5.0054	4.4485
Fe 271.441	5.9252	-0.2318	3.5113
K 766.491	1893.30	1897.56	1897.26
Mg 279.078	1656.08	1657.81	1662.89
Mn 257.610	158.797	159.237	159.442
Mo 202.032	-0.5177u	-0.1987u	0.4287
Na 330.237	40515.7	40459.0	40894.1
Ni 231.604	9.6726	11.3222	10.1738
Pb 220.353	2.5396	2.9524	3.8534
Sb 206.834	2.7748	2.1286	2.4968
Se 196.026	6.4122	-5.3564u	3.4636
Sn 189.925	0.7608	-2.4902u	-1.3422u
Sr 216.596	42.4529	42.4782	42.4922
Ti 334.941	0.0835	0.1136	0.1258
Tl 190.794	2.3900	-2.5819u	1.2594
V 292.401	0.3289	-0.0113u	0.1209
Zn 206.200	81.2178	82.4768	83.0255

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.2743	ppb	0.3998	145.7	-22.2179
Al 308.215	442.566	ppb	0.3984	0.1	2848.18
As 188.980	2.6386	ppb	4.8609	184.2	-3.9623
B 249.678	36.7705	ppb	0.3878	1.1	540.380
Ba 389.178	40.8019	ppb	0.6110	1.5	841.043
Be 313.042	0.1343	ppb	0.0045	3.4	-2758.61
Ca 370.602	6128	ppb	10.10	0.2	22650
Cd 226.502	0.2232	ppb	0.1407	63.0	24.9222
Co 228.615	27.7442	ppb	0.3939	1.4	202.989
Cr 267.716	0.2265	ppb	0.1600	70.7	10.9021
Cu 324.754	4.7396	ppb	0.2793	5.9	448.932
Fe 271.441	3.0682	ppb	3.1023	101.1	25.2103
K 766.491	1896.04	ppb	2.3791	0.1	244152
Mg 279.078	1658.93	ppb	3.5377	0.2	3527.93
Mn 257.610	159.158	ppb	0.3297	0.2	22030.1
Mo 202.032	-0.0959	ppb	0.4815	502.0	5.3206
Na 330.237	40622.9	ppb	236.517	0.6	2472.59
Ni 231.604	10.3895	ppb	0.8457	8.1	31.6520
Pb 220.353	3.1151	ppb	0.6718	21.6	2.7238
Sb 206.834	2.4667	ppb	0.3241	13.1	7.0059
Se 196.026	1.5064	ppb	6.1236	406.5	8.7508

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Sn 189.925	-1.0239	ppb	1.6487	161.0	-5.8119
Sr 216.596	42.4744	ppb	0.0199	0.0	310.748
Ti 334.941	0.1076	ppb	0.0218	20.2	-42.1900
Tl 190.794	0.3558	ppb	2.6062	732.5	-6.8264
V 292.401	0.1462	ppb	0.1715	117.3	6.7158
Zn 206.200	82.2400	ppb	0.9268	1.1	167.789

680-104926-e-1-a (Samp) **9/10/2014, 3:05:31 PM** **Rack 1, Tube 43**

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

Label	Replicates Concentration		
Ag 328.068	-0.0367u	-0.3077u	-0.2483u
Al 308.215	28.9319	29.3608	27.9887
As 188.980	1.1686	-2.6504u	-9.1439u
B 249.678	155.554	157.097	157.614
Ba 389.178	43.2279	42.7823	43.3332
Be 313.042	-0.1688u	-0.1570u	-0.1467u
Ca 370.602	110244	110240	110275
Cd 226.502	-0.4774u	-0.1938u	-0.1530u
Co 228.615	-0.3330u	1.0316	-0.4193u
Cr 267.716	0.2880	0.0301	0.1477
Cu 324.754	0.4580u	0.0801u	0.0894u
Fe 271.441	-6.9501u	-15.6032u	-21.1311u
K 766.491	4284.13	4282.77	4280.33
Mg 279.078	8794.99	8793.30	8808.80
Mn 257.610	3.0893	3.0057	2.9968
Mo 202.032	0.7144	0.6052	0.0044
Na 330.237	154594x	154168x	154466x
Ni 231.604	2.1571	0.8946	0.5154
Pb 220.353	1.0260	-2.4437u	9.7384
Sb 206.834	-3.9077u	-8.6006u	-2.2063u
Se 196.026	-5.1830u	-2.9159u	-0.7436
Sn 189.925	-2.1941u	-1.0473u	-6.7779u
Sr 216.596	669.775	672.148	671.648
Ti 334.941	0.3191	0.3418	0.3020
Tl 190.794	-4.5963u	-0.0468u	-1.4324u
V 292.401	0.2693	0.4250	0.3162
Zn 206.200	5.2549	5.4890	4.6149

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.1976b	ppb	0.1424	72.1	-19.2344
Al 308.215	28.7604b	ppb	0.7019	2.4	503.612
As 188.980	-3.5419b	ppb	5.2137	147.2	-6.9207
B 249.678	156.755b	ppb	1.0716	0.7	2179.78
Ba 389.178	43.1145b	ppb	0.2924	0.7	907.466
Be 313.042	-0.1575b	ppb	0.0111	7.0	-3416.46
Ca 370.602	110253b	ppb	18.67	0.0	407591
Cd 226.502	-0.2747b	ppb	0.1767	64.3	9.9299
Co 228.615	0.0931b	ppb	0.8139	874.0	-9.0429
Cr 267.716	0.1553b	ppb	0.1292	83.2	10.0050
Cu 324.754	0.2092b	ppb	0.2156	103.1	129.372
Fe 271.441	-14.5615b	ppb	7.1477	49.1	7.8199

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
K 766.491	4282.41b	ppb	1.9214	0.0	549261
Mg 279.078	8799.03b	ppb	8.4988	0.1	18608.9
Mn 257.610	3.0306b	ppb	0.0510	1.7	512.143
Mo 202.032	0.4413b	ppb	0.3823	86.6	8.2959
Na 330.237	154410xb	ppb	218.645	0.1	9241.32
Ni 231.604	1.1890b	ppb	0.8595	72.3	6.4326
Pb 220.353	2.7736b	ppb	6.2762	226.3	2.4104
Sb 206.834	-4.9049b	ppb	3.3117	67.5	0.7650
Se 196.026	-2.9475b	ppb	2.2199	75.3	7.7304
Sn 189.925	-3.3398b	ppb	3.0322	90.8	-7.0399
Sr 216.596	671.190b	ppb	1.2507	0.2	4885.43
Ti 334.941	0.3210b	ppb	0.0200	6.2	38.1742
Tl 190.794	-2.0252b	ppb	2.3320	115.1	-8.0488
V 292.401	0.3368b	ppb	0.0799	23.7	11.9069
Zn 206.200	5.1196b	ppb	0.4525	8.8	12.1064

680-104926-e-2-a (Samp) **9/10/2014, 3:09:59 PM** **Rack 1, Tube 44**

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

Label	Replicates Concentration		
Ag 328.068	-0.0543u	-0.0337u	-0.3417u
Al 308.215	29.9949	31.6881	31.5615
As 188.980	26.6669	20.0289	24.6743
B 249.678	172.315	172.034	174.546
Ba 389.178	39.8758	41.7552	41.0423
Be 313.042	-0.1185u	-0.1139u	-0.1066u
Ca 370.602	107456	107606	107573
Cd 226.502	-0.1611	-0.1654	-0.4077
Co 228.615	3.2513	2.8707	3.0423
Cr 267.716	-0.0017	0.2523	0.0588
Cu 324.754	0.2828u	-0.0577u	0.0271u
Fe 271.441	11355.5	11389.0	11392.1
K 766.491	6827.95	6837.09	6827.68
Mg 279.078	16767.7	16760.3	16748.9
Mn 257.610	505.320	505.354	505.575
Mo 202.032	1.8479	2.5684	2.4120
Na 330.237	22967.0	22955.2	22898.4
Ni 231.604	0.4398	2.0011	1.4187
Pb 220.353	4.5568	0.8384	0.4278
Sb 206.834	-3.9448u	-1.7227u	-1.2159u
Se 196.026	-1.7545	0.8145	4.9475
Sn 189.925	3.2557	-2.4875u	-1.3887u
Sr 216.596	934.198	936.530	934.659
Ti 334.941	0.2090	0.2021	0.1652
Tl 190.794	-0.4700u	-0.7913u	-3.4800u
V 292.401	0.2520	0.5176	0.3361
Zn 206.200	43.8168	44.8311	41.9819

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.1432	ppb	0.1722	120.2	-16.1237
Al 308.215	31.0815	ppb	0.9432	3.0	516.874
As 188.980	23.7900	ppb	3.4062	14.3	6.0820

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
B 249.678	172.965	ppb	1.3760	0.8	2393.45
Ba 389.178	40.8911	ppb	0.9488	2.3	901.602
Be 313.042	-0.1130	ppb	0.0060	5.3	-3297.52
Ca 370.602	107545	ppb	79.03	0.1	397419
Cd 226.502	-0.2447	ppb	0.1411	57.7	41.1836
Co 228.615	3.0548	ppb	0.1906	6.2	14.1614
Cr 267.716	0.1031	ppb	0.1327	128.7	7.5759
Cu 324.754	0.0840	ppb	0.1772	210.9	126.027
Fe 271.441	11378.9	ppb	20.3231	0.2	10104.0
K 766.491	6830.90	ppb	5.3551	0.1	875099
Mg 279.078	16758.9	ppb	9.4554	0.1	35398.1
Mn 257.610	505.416	ppb	0.1383	0.0	69954.7
Mo 202.032	2.2761	ppb	0.3790	16.7	17.4990
Na 330.237	22940.2	ppb	36.6870	0.2	1415.66
Ni 231.604	1.2865	ppb	0.7890	61.3	7.1080
Pb 220.353	1.9410	ppb	2.2746	117.2	1.4593
Sb 206.834	-2.2945	ppb	1.4515	63.3	2.9425
Se 196.026	1.3358	ppb	3.3813	253.1	9.4149
Sn 189.925	-0.2068	ppb	3.0486	1473.9	-5.3742
Sr 216.596	935.129	ppb	1.2349	0.1	6803.59
Ti 334.941	0.1921	ppb	0.0236	12.3	22.4571
Tl 190.794	-1.5804	ppb	1.6529	104.6	-8.2229
V 292.401	0.3686	ppb	0.1358	36.8	18.4901
Zn 206.200	43.5432	ppb	1.4442	3.3	89.9260

680-104926-e-3-a (Samp) **9/10/2014, 3:14:27 PM** **Rack 1, Tube 45**

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

Label	Replicates Concentration		
Ag 328.068	-0.6661u	-0.3745u	-0.5476u
Al 308.215	37.6207	38.7596	39.3444
As 188.980	-0.1868u	-5.2940u	-0.1287u
B 249.678	171.254	171.788	171.832
Ba 389.178	68.0675	67.7056	68.3080
Be 313.042	-0.1436u	-0.1556u	-0.1549u
Ca 370.602	146203	146434	146575
Cd 226.502	-0.1642	-0.2599	-0.2406
Co 228.615	0.6706	0.2663	-0.5419u
Cr 267.716	0.0088	0.1162	0.0452
Cu 324.754	0.2141u	0.2602u	0.0415u
Fe 271.441	5844.86	5878.32	5873.43
K 766.491	4276.76	4283.30	4277.59
Mg 279.078	8776.50	8780.37	8776.06
Mn 257.610	136.335	136.430	136.240
Mo 202.032	0.7248	-0.3672u	0.0719u
Na 330.237	174660x	177192x	176299x
Ni 231.604	0.2589	0.0999	-0.3683u
Pb 220.353	3.3531	0.8219	2.2212
Sb 206.834	-1.9558u	-6.3196u	-0.5832u
Se 196.026	-6.0626u	-2.9044u	-6.3136u
Sn 189.925	-0.3140u	-4.8696u	-6.8806u
Sr 216.596	850.533	849.262	849.998

Label	Replicates Concentration		
Ti 334.941	0.5202	0.5055	0.5298
Tl 190.794	-2.1758u	3.3208	-5.5683u
V 292.401	0.5148	0.3227	0.6416
Zn 206.200	50.6964	51.4262	50.6210

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.5294b	ppb	0.1467	27.7	-35.3056
Al 308.215	38.5749b	ppb	0.8765	2.3	559.203
As 188.980	-1.8698b	ppb	2.9656	158.6	-6.1628
B 249.678	171.625b	ppb	0.3217	0.2	2378.95
Ba 389.178	68.0270b	ppb	0.3032	0.4	1441.55
Be 313.042	-0.1514b	ppb	0.0067	4.4	-3389.80
Ca 370.602	146404b	ppb	188.2	0.1	541154
Cd 226.502	-0.2215b	ppb	0.0506	22.8	26.7948
Co 228.615	0.1317b	ppb	0.6174	468.8	-8.4652
Cr 267.716	0.0568b	ppb	0.0546	96.2	7.6327
Cu 324.754	0.1719b	ppb	0.1153	67.1	92.7585
Fe 271.441	5865.54b	ppb	18.0763	0.3	5218.31
K 766.491	4279.22b	ppb	3.5622	0.1	548853
Mg 279.078	8777.64b	ppb	2.3719	0.0	18551.7
Mn 257.610	136.335b	ppb	0.0953	0.1	18932.6
Mo 202.032	0.1432b	ppb	0.5495	383.8	6.1550
Na 330.237	176050xb	ppb	1283.94	0.7	10525.8
Ni 231.604	-0.0032b	ppb	0.3261	10215.4	3.3755
Pb 220.353	2.1321b	ppb	1.2680	59.5	1.7110
Sb 206.834	-2.9529b	ppb	2.9953	101.4	2.4214
Se 196.026	-5.0935b	ppb	1.9000	37.3	7.2751
Sn 189.925	-4.0214b	ppb	3.3645	83.7	-7.4040
Sr 216.596	849.931b	ppb	0.6383	0.1	6191.43
Ti 334.941	0.5185b	ppb	0.0122	2.4	106.645
Tl 190.794	-1.4744b	ppb	4.4859	304.2	-7.9990
V 292.401	0.4931b	ppb	0.1605	32.6	19.3471
Zn 206.200	50.9146b	ppb	0.4447	0.9	104.683

680-104926-e-4-a (Samp) **9/10/2014, 3:18:56 PM** **Rack 1, Tube 46**

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

Label	Replicates Concentration		
Ag 328.068	-0.4998u	0.0709	-0.2233u
Al 308.215	25.6351	25.9237	27.7552
As 188.980	-1.2653u	-0.6618u	-5.6128u
B 249.678	57.5229	57.9118	57.0645
Ba 389.178	33.2733	33.5756	33.4856
Be 313.042	-0.1288u	-0.1473u	-0.1500u
Ca 370.602	92074	92097	92049
Cd 226.502	-0.2700u	-0.0173	-0.2151u
Co 228.615	-0.5862u	0.5683	0.1962
Cr 267.716	0.3171	0.6900	0.6519
Cu 324.754	-0.0349u	0.0301u	0.0925u
Fe 271.441	2100.65	2106.52	2094.52
K 766.491	1962.91	1965.62	1963.56
Mg 279.078	2869.86	2866.30	2872.80

Label	Replicates Concentration		
Mn 257.610	91.8329	91.7631	91.6540
Mo 202.032	-0.1865u	0.9751	-0.4617u
Na 330.237	44797.9	44779.2	44674.6
Ni 231.604	2.7307	2.4870	0.5536
Pb 220.353	4.3261	1.4830	-0.9960u
Sb 206.834	-3.2618u	-1.2617u	-0.1096u
Se 196.026	2.0628	-8.7193u	-3.4175u
Sn 189.925	-0.7889u	4.0995	-0.9540u
Sr 216.596	487.807	485.888	486.168
Ti 334.941	0.2529	0.3031	0.2469
Tl 190.794	-1.2809u	-7.7228u	-8.9382u
V 292.401	0.4415	0.2749	0.0850
Zn 206.200	102.831	100.001	100.829

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.2174	ppb	0.2854	131.3	-20.0193
Al 308.215	26.4380	ppb	1.1499	4.3	490.424
As 188.980	-2.5133	ppb	2.7011	107.5	-6.4438
B 249.678	57.4998	ppb	0.4241	0.7	822.154
Ba 389.178	33.4448	ppb	0.1552	0.5	693.385
Be 313.042	-0.1421	ppb	0.0115	8.1	-3373.50
Ca 370.602	92074	ppb	24.19	0.0	340353
Cd 226.502	-0.1675	ppb	0.1329	79.4	18.9986
Co 228.615	0.0594	ppb	0.5893	991.4	-9.1975
Cr 267.716	0.5530	ppb	0.2051	37.1	19.3383
Cu 324.754	0.0293	ppb	0.0637	217.7	138.190
Fe 271.441	2100.56	ppb	5.9995	0.3	1882.08
K 766.491	1964.03	ppb	1.4107	0.1	252845
Mg 279.078	2869.65	ppb	3.2535	0.1	6080.87
Mn 257.610	91.7500	ppb	0.0902	0.1	12734.2
Mo 202.032	0.1090	ppb	0.7626	699.9	6.2788
Na 330.237	44750.6	ppb	66.4449	0.1	2717.10
Ni 231.604	1.9237	ppb	1.1928	62.0	8.5228
Pb 220.353	1.6044	ppb	2.6632	166.0	1.2305
Sb 206.834	-1.5444	ppb	1.5950	103.3	3.6142
Se 196.026	-3.3580	ppb	5.3913	160.6	7.5366
Sn 189.925	0.7856	ppb	2.8712	365.5	-4.8339
Sr 216.596	486.621	ppb	1.0365	0.2	3546.67
Ti 334.941	0.2676	ppb	0.0309	11.5	16.4796
Tl 190.794	-5.9806	ppb	4.1152	68.8	-10.0891
V 292.401	0.2671	ppb	0.1784	66.8	11.4254
Zn 206.200	101.220	ppb	1.4547	1.4	206.150

680-104926-c-6-a (Samp) **9/10/2014, 3:23:25 PM** **Rack 1, Tube 47**

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

Label	Replicates Concentration		
Ag 328.068	-0.3246u	-0.2351u	-0.5360u
Al 308.215	27.6092	26.2770	27.1869
As 188.980	11.5724	24.7125	15.1509
B 249.678	161.629	161.377	162.134
Ba 389.178	40.4889	39.5340	41.6050

Label	Replicates Concentration		
Be 313.042	-0.1628u	-0.1654u	-0.1677u
Ca 370.602	101079	101018	101015
Cd 226.502	-0.2178	-0.0856	-0.2617
Co 228.615	1.4652	2.5723	2.0520
Cr 267.716	0.6642	0.1613	0.1430
Cu 324.754	29.7581	29.9481	29.9764
Fe 271.441	11352.8	11326.9	11301.5
K 766.491	7805.64	7816.84	7843.70
Mg 279.078	17023.6	17021.6	17043.5
Mn 257.610	468.620	468.856	468.570
Mo 202.032	1.9229	2.4356	1.4256
Na 330.237	211558x	212129x	212275x
Ni 231.604	0.9639	2.9932	-0.1233
Pb 220.353	2.3408	6.2310	10.9357
Sb 206.834	-6.1006u	-2.9375u	-3.1525u
Se 196.026	-4.3661u	1.1817	-5.4738u
Sn 189.925	-0.3390u	-6.3764u	-2.9216u
Sr 216.596	853.838	853.327	855.629
Ti 334.941	0.1685	0.1759	0.1753
Tl 190.794	-3.8172u	4.6598	-5.6644u
V 292.401	0.1624	0.4616	0.5841
Zn 206.200	26.0264	25.7949	25.7522

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.3652b	ppb	0.1545	42.3	-26.8844
Al 308.215	27.0244b	ppb	0.6808	2.5	493.866
As 188.980	17.1453b	ppb	6.7933	39.6	2.9009
B 249.678	161.713b	ppb	0.3857	0.2	2239.74
Ba 389.178	40.5426b	ppb	1.0365	2.6	894.986
Be 313.042	-0.1653b	ppb	0.0024	1.5	-3446.72
Ca 370.602	101038b	ppb	36.10	0.0	373361
Cd 226.502	-0.1884b	ppb	0.0917	48.7	42.1316
Co 228.615	2.0298b	ppb	0.5539	27.3	6.3083
Cr 267.716	0.3228b	ppb	0.2957	91.6	14.7884
Cu 324.754	29.8942b	ppb	0.1187	0.4	1574.82
Fe 271.441	11327.1b	ppb	25.6651	0.2	10058.0
K 766.491	7822.06b	ppb	19.5578	0.3	1001823
Mg 279.078	17029.6b	ppb	12.0936	0.1	35969.8
Mn 257.610	468.682b	ppb	0.1528	0.0	64883.2
Mo 202.032	1.9280b	ppb	0.5050	26.2	15.5724
Na 330.237	211987xb	ppb	378.895	0.2	12661.0
Ni 231.604	1.2780b	ppb	1.5818	123.8	7.0847
Pb 220.353	6.5025b	ppb	4.3039	66.2	5.9752
Sb 206.834	-4.0635b	ppb	1.7675	43.5	1.4546
Se 196.026	-2.8861b	ppb	3.5660	123.6	7.9227
Sn 189.925	-3.2123b	ppb	3.0292	94.3	-6.9597
Sr 216.596	854.264b	ppb	1.2090	0.1	6216.74
Ti 334.941	0.1732b	ppb	0.0041	2.4	0.4788
Tl 190.794	-1.6073b	ppb	5.5054	342.5	-8.2426
V 292.401	0.4027b	ppb	0.2169	53.9	18.1391
Zn 206.200	25.8578b	ppb	0.1475	0.6	54.2242

680-104926-c-7-a (Samp) **9/10/2014, 3:27:54 PM** **Rack 1, Tube 48**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Replicates Concentration		
Ag 328.068	-0.2657u	-0.2228u	-0.2864u
Al 308.215	24.0935	23.3315	22.4529
As 188.980	-0.1581u	-1.8847u	0.8772
B 249.678	144.639	143.792	144.496
Ba 389.178	53.1192	53.7309	54.1185
Be 313.042	-0.1652u	-0.1617u	-0.1706u
Ca 370.602	118824	118705	118788
Cd 226.502	-0.3405	-0.3235	-0.1355
Co 228.615	0.1872	0.0137	0.6119
Cr 267.716	0.1868	0.4899	0.2857
Cu 324.754	5.5335	5.8945	5.8966
Fe 271.441	5256.08	5289.81	5311.74
K 766.491	4340.30	4345.29	4349.07
Mg 279.078	8698.09	8679.98	8690.76
Mn 257.610	119.988	119.822	120.028
Mo 202.032	0.4216	0.6747	-0.5640u
Na 330.237	158564x	159071x	159282x
Ni 231.604	1.8084	2.6436	2.6056
Pb 220.353	-1.3445u	1.0634	4.6152
Sb 206.834	-5.5667u	-6.2363u	0.0914
Se 196.026	-6.9108u	-11.4813u	-3.0831u
Sn 189.925	-0.2470u	1.1982	1.2129
Sr 216.596	686.835	685.890	686.380
Ti 334.941	0.2871	0.2351	0.2969
Tl 190.794	-6.8544u	-4.2965u	-8.6205u
V 292.401	0.5105	0.3535	0.6311
Zn 206.200	266.535	265.778	269.008

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.2583b	ppb	0.0324	12.5	-22.2760
Al 308.215	23.2926b	ppb	0.8210	3.5	472.615
As 188.980	-0.3885b	ppb	1.3953	359.1	-5.4496
B 249.678	144.309b	ppb	0.4535	0.3	2006.11
Ba 389.178	53.6562b	ppb	0.5038	0.9	1138.41
Be 313.042	-0.1658b	ppb	0.0045	2.7	-3433.00
Ca 370.602	118772b	ppb	61.17	0.1	439010
Cd 226.502	-0.2665b	ppb	0.1138	42.7	24.0679
Co 228.615	0.2709b	ppb	0.3077	113.6	-7.4271
Cr 267.716	0.3208b	ppb	0.1546	48.2	14.2963
Cu 324.754	5.7749b	ppb	0.2090	3.6	390.506
Fe 271.441	5285.88b	ppb	28.0344	0.5	4704.69
K 766.491	4344.89b	ppb	4.3963	0.1	557249
Mg 279.078	8689.61b	ppb	9.1061	0.1	18366.9
Mn 257.610	119.946b	ppb	0.1089	0.1	16667.6
Mo 202.032	0.1774b	ppb	0.6545	368.9	6.3916
Na 330.237	158972xb	ppb	368.928	0.2	9509.51
Ni 231.604	2.3525b	ppb	0.4716	20.0	9.8125
Pb 220.353	1.4447b	ppb	2.9981	207.5	1.0375
Sb 206.834	-3.9039b	ppb	3.4762	89.0	1.6193
Se 196.026	-7.1584b	ppb	4.2046	58.7	6.4122

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Sn 189.925	0.7214b	ppb	0.8387	116.3	-4.8459
Sr 216.596	686.368b	ppb	0.4725	0.1	5000.80
Ti 334.941	0.2730b	ppb	0.0332	12.2	21.5130
Tl 190.794	-6.5905b	ppb	2.1740	33.0	-10.5196
V 292.401	0.4984b	ppb	0.1392	27.9	19.3877
Zn 206.200	267.107b	ppb	1.6889	0.6	541.094

Cont Calib Verif (CCV) **9/10/2014, 3:32:22 PM** **Rack 1, Tube 49**

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

Label	Replicates Concentration		
Ag 328.068	503.402	499.694	497.791
Al 308.215	4910.31	4891.08	4894.31
As 188.980	484.302	483.556	484.877
B 249.678	502.741	503.794	506.646
Ba 389.178	4958.28	4945.75	4945.87
Be 313.042	495.813	496.946	493.282
Ca 370.602	4980	4958	4961
Cd 226.502	493.242	492.733	491.157
Co 228.615	493.828	492.825	494.808
Cr 267.716	4953.83	4945.40	4944.70
Cu 324.754	4968.64	5001.68	4920.62
Fe 271.441	4931.61	4902.85	4904.04
K 766.491	9996.45	9976.80	9980.06
Mg 279.078	4961.10	4929.96	4926.49
Mn 257.610	5031.44	5021.90	5011.11
Mo 202.032	494.770	496.362	495.183
Na 330.237	6997.18	7269.72	6871.85
Ni 231.604	2507.38	2499.54	2498.91
Pb 220.353	487.600	491.055	488.975
Sb 206.834	942.251	939.247	944.033
Se 196.026	4956.49	4958.05	4940.44
Sn 189.925	4953.17	4920.84	4936.41
Sr 216.596	2473.61	2476.48	2468.79
Ti 334.941	488.775	488.029	488.254
Tl 190.794	5040.53	5060.47	5046.23
V 292.401	4940.06	4932.91	4928.61
Zn 206.200	2486.96	2477.42	2486.03

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Ag 328.068	500.296	ppb	2.8534	0.6	24010.8	100.05913
Al 308.215	4898.57	ppb	10.2971	0.2	28379.3	97.97137
As 188.980	484.245	ppb	0.6625	0.1	226.675	96.84904
B 249.678	504.394	ppb	2.0204	0.4	6939.02	100.87871
Ba 389.178	4949.97	ppb	7.2016	0.1	103997	98.99937
Be 313.042	495.347	ppb	1.8759	0.4	1162661	99.06945
Ca 370.602	4967	ppb	12.06	0.2	18395	99.33128
Cd 226.502	492.377	ppb	1.0872	0.2	14423.9	98.47543
Co 228.615	493.820	ppb	0.9912	0.2	3774.85	98.76403
Cr 267.716	4947.98	ppb	5.0782	0.1	127357	98.95956
Cu 324.754	4963.65	ppb	40.7595	0.8	240344	99.27292
Fe 271.441	4912.83	ppb	16.2718	0.3	4424.53	98.25670

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
K 766.491	9984.44	ppb	10.5304	0.1	1278294	99.84438
Mg 279.078	4939.18	ppb	19.0624	0.4	10446.2	98.78365
Mn 257.610	5021.48	ppb	10.1695	0.2	693473	100.42968
Mo 202.032	495.438	ppb	0.8264	0.2	2745.09	99.08767
Na 330.237	7046.25	ppb	203.422	2.9	458.037	93.95004
Ni 231.604	2501.94	ppb	4.7197	0.2	6861.08	100.07774
Pb 220.353	489.210	ppb	1.7393	0.4	485.409	97.84206
Sb 206.834	941.844	ppb	2.4187	0.3	824.230	94.18436
Se 196.026	4951.66	ppb	9.7470	0.2	1714.14	99.03318
Sn 189.925	4936.81	ppb	16.1642	0.3	2660.81	98.73618
Sr 216.596	2472.96	ppb	3.8860	0.2	17825.7	98.91849
Ti 334.941	488.353	ppb	0.3822	0.1	171448	97.67052
Tl 190.794	5049.08	ppb	10.2687	0.2	2505.61	100.98152
V 292.401	4933.86	ppb	5.7819	0.1	158517	98.67722
Zn 206.200	2483.47	ppb	5.2605	0.2	5003.12	99.33865

Cont Calib Blank (CCB) **9/10/2014, 3:36:49 PM** **Rack 1, Tube 50**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Replicates	Concentration	
Ag 328.068	0.0580	0.2254	-0.0634u
Al 308.215	1.9794	4.0071	2.8784
As 188.980	-5.9160u	-2.5171u	1.8831
B 249.678	5.1585	5.0963	4.9211
Ba 389.178	-0.3341u	0.3663	0.7999
Be 313.042	-0.0409u	-0.0542u	-0.0770u
Ca 370.602	4.848	4.374	0.5603
Cd 226.502	0.1956	0.0730	0.0530
Co 228.615	0.3116	0.1784	-0.5010u
Cr 267.716	0.4945	0.1870	0.2632
Cu 324.754	0.4745	0.5440	0.2187
Fe 271.441	-0.5734u	0.8896	0.7223
K 766.491	-0.1339u	-0.4200u	-0.2117u
Mg 279.078	1.5356	6.9177	1.5911
Mn 257.610	0.0571	0.0055	-0.0346u
Mo 202.032	0.3317	0.2525	0.1236
Na 330.237	190.335	179.049	96.6682
Ni 231.604	0.6749	0.8733	0.5574
Pb 220.353	3.6386	0.2509	-3.1069u
Sb 206.834	3.2839	5.4706	4.2866
Se 196.026	6.9024	3.0110	-9.8569u
Sn 189.925	-0.6197u	3.4335	2.8432
Sr 216.596	0.6925	-0.3649u	-0.8280u
Ti 334.941	0.0820	0.1121	0.1095
Tl 190.794	12.7494	3.6596	-0.5931u
V 292.401	0.4218	0.5440	0.5775
Zn 206.200	0.2002	-0.5911u	-0.1239u

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Ag 328.068	0.0733	ppb	0.1450	197.7	-6.0567	0.07335
Al 308.215	2.9549	ppb	1.0160	34.4	357.389	2.95495
As 188.980	-2.1833	ppb	3.9102	179.1	-6.2705	-2.18333

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
B 249.678	5.0586	ppb	0.1231	2.4	107.109	5.05864
Ba 389.178	0.2773	ppb	0.5722	206.3	-14.4312	0.27734
Be 313.042	-0.0574	ppb	0.0183	31.8	-3206.33	-0.05736
Ca 370.602	3.261	ppb	2.351	72.1	9.057	3.26074
Cd 226.502	0.1072	ppb	0.0772	72.0	21.6469	0.10721
Co 228.615	-0.0037	ppb	0.4358	11877.2	-9.7864	-0.00367
Cr 267.716	0.3149	ppb	0.1601	50.9	12.8459	0.31494
Cu 324.754	0.4124	ppb	0.1713	41.5	245.440	0.41240
Fe 271.441	0.3462	ppb	0.8008	231.3	20.9845	0.34619
K 766.491	-0.2552	ppb	0.1479	58.0	1701.53	-0.25520
Mg 279.078	3.3481	ppb	3.0915	92.3	31.1352	3.34815
Mn 257.610	0.0094	ppb	0.0460	491.3	44.7007	0.00936
Mo 202.032	0.2359	ppb	0.1051	44.5	7.1575	0.23592
Na 330.237	155.351	ppb	51.1329	32.9	65.6559	155.35089
Ni 231.604	0.7019	ppb	0.1597	22.7	5.0981	0.70187
Pb 220.353	0.2609	ppb	3.3728	1292.9	-0.0752	0.26087
Sb 206.834	4.3470	ppb	1.0946	25.2	8.5899	4.34704
Se 196.026	0.0188	ppb	8.7711	46603.3	8.1847	0.01882
Sn 189.925	1.8857	ppb	2.1897	116.1	-4.2486	1.88565
Sr 216.596	-0.1668	ppb	0.7793	467.2	0.9990	-0.16679
Ti 334.941	0.1012	ppb	0.0166	16.4	-44.6149	0.10118
Tl 190.794	5.2720	ppb	6.8158	129.3	-4.4249	5.27196
V 292.401	0.5145	ppb	0.0820	15.9	18.7862	0.51446
Zn 206.200	-0.1716	ppb	0.3978	231.8	1.4252	-0.17160

mb 680-347964/1-a (Samp) **9/10/2014, 3:41:15 PM** **Rack 1, Tube 51**

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

Label	Replicates Concentration		
Ag 328.068	-0.2050u	0.2863	-0.3516u
Al 308.215	3.6400	1.8990	4.6860
As 188.980	-5.8764u	5.8732	1.8102
B 249.678	2.2385	2.8433	3.1985
Ba 389.178	-0.9429u	-0.8300u	-0.2514u
Be 313.042	-0.0757u	-0.0748u	-0.1001u
Ca 370.602	6.298	1.429	4.932
Cd 226.502	-0.0453u	-0.1690u	0.0219
Co 228.615	0.3030	-0.0016u	0.2653
Cr 267.716	0.1225	0.0318	0.0643
Cu 324.754	-0.1274u	0.0411	0.3047
Fe 271.441	-2.4075u	-6.4164u	-2.8811u
K 766.491	-0.1129u	-0.1622u	-0.6505u
Mg 279.078	2.2451	4.9303	-0.0857u
Mn 257.610	-0.2124u	-0.2248u	-0.2262u
Mo 202.032	0.3023	-0.1708u	0.0350
Na 330.237	85.7280	70.0839	60.4176
Ni 231.604	1.6609	0.3382	0.5689
Pb 220.353	1.8119	-1.3353u	-1.6137u
Sb 206.834	2.3695	5.3600	7.8049
Se 196.026	-7.3612u	-2.5086u	2.0379
Sn 189.925	2.2409	8.2645	1.8211
Sr 216.596	0.0106	0.0548	-0.0734u

Label	Replicates Concentration		
Ti 334.941	0.1346	0.0716	0.0518
Tl 190.794	2.6753	-0.9499u	-4.7277u
V 292.401	0.0331	0.1829	0.0207
Zn 206.200	-1.1213u	-0.5405u	-0.3285u

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.0901	ppb	0.3341	370.9	-13.8968
Al 308.215	3.4083	ppb	1.4079	41.3	359.927
As 188.980	0.6023	ppb	5.9672	990.7	-4.9370
B 249.678	2.7601	ppb	0.4854	17.6	75.7293
Ba 389.178	-0.6747	ppb	0.3710	55.0	-34.4272
Be 313.042	-0.0835	ppb	0.0144	17.2	-3267.90
Ca 370.602	4.220	ppb	2.511	59.5	12.53
Cd 226.502	-0.0641	ppb	0.0968	151.0	16.6511
Co 228.615	0.1889	ppb	0.1661	87.9	-8.3063
Cr 267.716	0.0729	ppb	0.0460	63.1	6.6158
Cu 324.754	0.0728	ppb	0.2178	299.1	229.009
Fe 271.441	-3.9017	ppb	2.1906	56.1	17.2238
K 766.491	-0.3085	ppb	0.2972	96.3	1694.71
Mg 279.078	2.3632	ppb	2.5101	106.2	29.0453
Mn 257.610	-0.2211	ppb	0.0076	3.4	12.8807
Mo 202.032	0.0555	ppb	0.2372	427.3	6.1589
Na 330.237	72.0765	ppb	12.7723	17.7	60.7015
Ni 231.604	0.8560	ppb	0.7065	82.5	5.5206
Pb 220.353	-0.3790	ppb	1.9025	502.0	-0.7087
Sb 206.834	5.1781	ppb	2.7223	52.6	9.2933
Se 196.026	-2.6107	ppb	4.7004	180.0	7.2793
Sn 189.925	4.1088	ppb	3.6050	87.7	-3.0480
Sr 216.596	-0.0027	ppb	0.0651	2435.4	2.1920
Ti 334.941	0.0860	ppb	0.0433	50.3	-49.9393
Tl 190.794	-1.0008	ppb	3.7017	369.9	-7.5419
V 292.401	0.0789	ppb	0.0903	114.5	4.8152
Zn 206.200	-0.6634	ppb	0.4105	61.9	0.4332

lcs 680-347964/2-a (Samp) **9/10/2014, 3:45:42 PM** **Rack 1, Tube 52**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Replicates Concentration		
Ag 328.068	52.0663	52.2517	52.3137
Al 308.215	4953.58	4956.17	4953.37
As 188.980	99.4763	105.217	102.452
B 249.678	198.719	199.879	200.889
Ba 389.178	100.119	99.8872	99.1368
Be 313.042	51.1017	51.0852	51.1122
Ca 370.602	4895	4896	4906
Cd 226.502	50.0374	50.1475	50.0922
Co 228.615	51.3318	50.0497	50.8562
Cr 267.716	101.570	101.322	100.910
Cu 324.754	101.106	100.988	101.338
Fe 271.441	4954.04	4966.45	4992.26
K 766.491	5002.37	5002.01	4996.36
Mg 279.078	4941.73	4945.35	4942.07

Label	Replicates Concentration		
Mn 257.610	523.204	523.188	522.676
Mo 202.032	100.689	100.388	100.007
Na 330.237	4799.34	4823.15	4837.10
Ni 231.604	102.378	100.027	102.563
Pb 220.353	50.8703	53.5707	52.0658
Sb 206.834	56.2834	45.8094	54.4786
Se 196.026	97.4731	92.5713	102.602
Sn 189.925	198.582	208.595	208.974
Sr 216.596	98.6633	99.1754	98.6911
Ti 334.941	100.202	100.334	100.325
Tl 190.794	44.6202	42.5630	34.8840
V 292.401	101.072	100.784	101.081
Zn 206.200	99.8649	100.272	99.0720

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	52.2106	ppb	0.1287	0.2	2495.55
Al 308.215	4954.37	ppb	1.5582	0.0	28423.5
As 188.980	102.382	ppb	2.8710	2.8	43.7747
B 249.678	199.829	ppb	1.0856	0.5	2765.54
Ba 389.178	99.7144	ppb	0.5135	0.5	2096.47
Be 313.042	51.0997	ppb	0.0136	0.0	117054
Ca 370.602	4899	ppb	6.388	0.1	18060
Cd 226.502	50.0924	ppb	0.0551	0.1	1495.84
Co 228.615	50.7459	ppb	0.6481	1.3	379.171
Cr 267.716	101.267	ppb	0.3333	0.3	2611.26
Cu 324.754	101.144	ppb	0.1779	0.2	5113.74
Fe 271.441	4970.92	ppb	19.4949	0.4	4429.27
K 766.491	5000.25	ppb	3.3705	0.1	641040
Mg 279.078	4943.05	ppb	2.0030	0.0	10454.3
Mn 257.610	523.023	ppb	0.3000	0.1	72304.0
Mo 202.032	100.361	ppb	0.3417	0.3	560.807
Na 330.237	4819.86	ppb	19.0934	0.4	338.911
Ni 231.604	101.656	ppb	1.4137	1.4	281.990
Pb 220.353	52.1689	ppb	1.3532	2.6	50.9698
Sb 206.834	52.1905	ppb	5.5994	10.7	47.9761
Se 196.026	97.5487	ppb	5.0155	5.1	41.9360
Sn 189.925	205.384	ppb	5.8933	2.9	105.650
Sr 216.596	98.8433	ppb	0.2879	0.3	717.966
Ti 334.941	100.287	ppb	0.0736	0.1	35153.5
Tl 190.794	40.6891	ppb	5.1315	12.6	13.0830
V 292.401	100.979	ppb	0.1692	0.2	3227.88
Zn 206.200	99.7362	ppb	0.6102	0.6	202.972

680-105017-c-23-d (Samp) **9/10/2014, 3:50:09 PM** **Rack 1, Tube 53**

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

Label	Replicates Concentration		
Ag 328.068	0.0201	0.1724	0.0804
Al 308.215	7.7992	6.2551	3.6667
As 188.980	-1.9212u	0.5533	-3.0267u
B 249.678	4.5293	4.3356	3.7836
Ba 389.178	-0.3311u	-1.2802u	-0.8980u

Label	Replicates Concentration		
Be 313.042	-0.0919u	-0.0769u	-0.0912u
Ca 370.602	13.47	12.93	10.91
Cd 226.502	-0.1170u	0.0271	-0.1534u
Co 228.615	-0.4195u	0.1128	0.1805
Cr 267.716	-0.3605u	0.1339	-0.0486u
Cu 324.754	0.4113	0.3188	0.1703
Fe 271.441	9.1043	16.1063	6.9030
K 766.491	3.3616	3.5879	3.5692
Mg 279.078	5.1457	1.4972	2.0817
Mn 257.610	0.0837	0.0165	0.0244
Mo 202.032	0.1400	0.2369	0.2400
Na 330.237	199.543	32.2866	174.856
Ni 231.604	0.4211	0.3172	1.4505
Pb 220.353	-3.3716u	1.4523	-2.2957u
Sb 206.834	2.5573	-0.4588u	6.5515
Se 196.026	-4.8598u	-4.1701u	-7.9673u
Sn 189.925	0.2786	1.9694	-0.9360u
Sr 216.596	0.2625	-0.4077u	-0.3439u
Ti 334.941	0.0890	0.0770	0.0910
Tl 190.794	-6.3682u	2.0108	-4.2301u
V 292.401	-0.0031u	0.2067	0.2536
Zn 206.200	0.0043	1.0799	-0.4285u

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	0.0910	ppb	0.0767	84.3	-5.2140
Al 308.215	5.9070	ppb	2.0881	35.4	374.094
As 188.980	-1.4649	ppb	1.8331	125.1	-5.9266
B 249.678	4.2162	ppb	0.3870	9.2	95.5810
Ba 389.178	-0.8364	ppb	0.4776	57.1	-37.8122
Be 313.042	-0.0867	ppb	0.0085	9.8	-3275.40
Ca 370.602	12.44	ppb	1.347	10.8	42.84
Cd 226.502	-0.0811	ppb	0.0954	117.7	16.1700
Co 228.615	-0.0421	ppb	0.3286	780.9	-10.0799
Cr 267.716	-0.0918	ppb	0.2500	272.5	2.3780
Cu 324.754	0.3001	ppb	0.1216	40.5	240.003
Fe 271.441	10.7045	ppb	4.8058	44.9	30.1845
K 766.491	3.5063	ppb	0.1256	3.6	2182.45
Mg 279.078	2.9082	ppb	1.9597	67.4	30.1850
Mn 257.610	0.0415	ppb	0.0367	88.5	49.1589
Mo 202.032	0.2057	ppb	0.0569	27.6	6.9892
Na 330.237	135.562	ppb	90.2867	66.6	64.4714
Ni 231.604	0.7296	ppb	0.6265	85.9	5.1745
Pb 220.353	-1.4050	ppb	2.5323	180.2	-1.7246
Sb 206.834	2.8833	ppb	3.5165	122.0	7.3504
Se 196.026	-5.6657	ppb	2.0228	35.7	6.2274
Sn 189.925	0.4373	ppb	1.4592	333.7	-5.0308
Sr 216.596	-0.1631	ppb	0.3699	226.8	1.0373
Ti 334.941	0.0857	ppb	0.0076	8.8	-50.0555
Tl 190.794	-2.8625	ppb	4.3537	152.1	-8.4669
V 292.401	0.1524	ppb	0.1367	89.7	7.1616
Zn 206.200	0.2186	ppb	0.7767	355.4	2.2141

680-105017-c-23-dSD (Samp) **9/10/2014, 3:54:37 PM** **Rack 1, Tube 54**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Replicates Concentration		
Ag 328.068	-0.1227u	-0.2528u	-0.2186u
Al 308.215	5.0751	4.2862	2.7290
As 188.980	1.0326	-0.6039u	-0.8190u
B 249.678	1.9149	1.1409	1.4705
Ba 389.178	-0.8483u	-0.4298u	0.4897
Be 313.042	-0.0870u	-0.0824u	-0.0749u
Ca 370.602	7.659	7.760	7.886
Cd 226.502	0.0627	-0.0539u	-0.0297u
Co 228.615	-0.0182u	0.4662	0.9585
Cr 267.716	-0.1783u	-0.0771u	0.0116
Cu 324.754	0.1491	-0.1211u	0.0111
Fe 271.441	4.0935	-1.3034u	8.5252
K 766.491	1.5147	1.6986	1.6438
Mg 279.078	-1.0906u	2.2379	1.9184
Mn 257.610	-0.1531u	-0.1529u	-0.1999u
Mo 202.032	-0.0502u	0.1570	-0.1464u
Na 330.237	8.3852	-186.620u	178.253
Ni 231.604	-0.2486u	0.2617	0.1857
Pb 220.353	-0.6581u	-1.6394u	1.7920
Sb 206.834	-0.1338u	-1.6537u	3.9681
Se 196.026	-11.3638u	-2.9764u	-4.7575u
Sn 189.925	3.4590	-2.9112u	4.7711
Sr 216.596	-0.2042u	0.0753	-0.4782u
Ti 334.941	0.0793	0.1092	0.0190
Tl 190.794	-0.9788u	2.7131	4.6675
V 292.401	0.1870	0.1836	0.0679
Zn 206.200	-1.1036u	0.3063	0.0225

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.1980	ppb	0.0674	34.0	-19.0734
Al 308.215	4.0301	ppb	1.1938	29.6	363.448
As 188.980	-0.1301	ppb	1.0127	778.4	-5.2877
B 249.678	1.5088	ppb	0.3884	25.7	58.5913
Ba 389.178	-0.2628	ppb	0.6845	260.5	-25.7669
Be 313.042	-0.0814	ppb	0.0061	7.5	-3263.00
Ca 370.602	7.768	ppb	0.1135	1.5	25.57
Cd 226.502	-0.0070	ppb	0.0615	883.9	18.3370
Co 228.615	0.4688	ppb	0.4884	104.2	-6.1580
Cr 267.716	-0.0812	ppb	0.0950	116.9	2.6472
Cu 324.754	0.0130	ppb	0.1351	1037.2	226.109
Fe 271.441	3.7718	ppb	4.9222	130.5	24.0856
K 766.491	1.6190	ppb	0.0944	5.8	1941.16
Mg 279.078	1.0219	ppb	1.8364	179.7	26.2010
Mn 257.610	-0.1686	ppb	0.0271	16.1	20.1313
Mo 202.032	-0.0132	ppb	0.1551	1171.6	5.7778
Na 330.237	0.0060	ppb	182.581	3047495.4	56.4116
Ni 231.604	0.0662	ppb	0.2753	415.6	3.3562
Pb 220.353	-0.1685	ppb	1.7673	1048.8	-0.5006
Sb 206.834	0.7269	ppb	2.9080	400.1	5.5322
Se 196.026	-6.3659	ppb	4.4190	69.4	5.9862

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Sn 189.925	1.7730	ppb	4.1094	231.8	-4.3095
Sr 216.596	-0.2024	ppb	0.2767	136.7	0.7817
Ti 334.941	0.0692	ppb	0.0459	66.4	-55.8546
Tl 190.794	2.1339	ppb	2.8673	134.4	-5.9838
V 292.401	0.1461	ppb	0.0678	46.4	7.0154
Zn 206.200	-0.2583	ppb	0.7457	288.7	1.2513

680-105017-c-23-dPDS (Samp) **9/10/2014, 3:59:04 PM** **Rack 1, Tube 55**

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

Label	Replicates Concentration		
Ag 328.068	50.6863	51.3793	51.2752
Al 308.215	2186.84	2191.65	2193.82
As 188.980	212.437	209.933	214.919
B 249.678	539.706	543.986	543.346
Ba 389.178	224.882	225.951	223.561
Be 313.042	56.6788	56.9622	56.8443
Ca 370.602	2073	2076	2070
Cd 226.502	56.4150	56.8008	56.4499
Co 228.615	222.907	225.046	225.127
Cr 267.716	224.129	224.789	224.217
Cu 324.754	227.160	228.723	227.599
Fe 271.441	2207.72	2227.97	2216.09
K 766.491	2308.36	2314.32	2312.48
Mg 279.078	2254.36	2258.28	2256.39
Mn 257.610	234.030	235.132	234.630
Mo 202.032	221.081	222.173	222.123
Na 330.237	2126.94	2346.83	2224.65
Ni 231.604	224.335	227.443	223.205
Pb 220.353	224.557	221.959	225.315
Sb 206.834	214.554	207.835	210.769
Se 196.026	224.877	209.227	206.441
Sn 189.925	230.142	227.926	226.445
Sr 216.596	222.793	225.236	223.463
Ti 334.941	221.436	222.354	222.314
Tl 190.794	216.424	229.594	226.619
V 292.401	222.355	223.910	222.861
Zn 206.200	222.550	226.308	226.319

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	51.1136	ppb	0.3737	0.7	2442.48
Al 308.215	2190.77	ppb	3.5712	0.2	12778.7
As 188.980	212.430	ppb	2.4929	1.2	96.5056
B 249.678	542.346	ppb	2.3087	0.4	7449.42
Ba 389.178	224.798	ppb	1.1968	0.5	4712.91
Be 313.042	56.8284	ppb	0.1424	0.3	130538
Ca 370.602	2073	ppb	3.062	0.1	7678
Cd 226.502	56.5552	ppb	0.2134	0.4	1677.54
Co 228.615	224.360	ppb	1.2591	0.6	1709.79
Cr 267.716	224.378	ppb	0.3584	0.2	5779.90
Cu 324.754	227.827	ppb	0.8063	0.4	11245.0
Fe 271.441	2217.26	ppb	10.1747	0.5	2001.23

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
K 766.491	2311.72	ppb	3.0507	0.1	297299
Mg 279.078	2256.35	ppb	1.9607	0.1	4785.21
Mn 257.610	234.597	ppb	0.5518	0.2	32455.5
Mo 202.032	221.792	ppb	0.6166	0.3	1233.00
Na 330.237	2232.80	ppb	110.172	4.9	183.936
Ni 231.604	224.994	ppb	2.1948	1.0	619.956
Pb 220.353	223.944	ppb	1.7600	0.8	221.012
Sb 206.834	211.053	ppb	3.3683	1.6	180.978
Se 196.026	213.515	ppb	9.9379	4.7	81.7789
Sn 189.925	228.171	ppb	1.8604	0.8	117.955
Sr 216.596	223.830	ppb	1.2624	0.6	1615.04
Ti 334.941	222.035	ppb	0.5193	0.2	77907.2
Tl 190.794	224.212	ppb	6.9072	3.1	104.557
V 292.401	223.042	ppb	0.7930	0.4	7123.19
Zn 206.200	225.059	ppb	2.1725	1.0	455.597

680-105017-c-23-e ms (Samp) **9/10/2014, 4:03:32 PM** **Rack 1, Tube 56**

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

Label	Replicates Concentration		
Ag 328.068	52.9411	52.5173	53.1199
Al 308.215	5039.11	5034.43	5043.39
As 188.980	112.032	100.172	99.1027
B 249.678	209.057	207.995	208.034
Ba 389.178	100.996	100.821	100.707
Be 313.042	51.9822	51.9403	51.9513
Ca 370.602	4992	4980	4998
Cd 226.502	50.9375	50.9104	51.1521
Co 228.615	50.8336	51.5650	52.5092
Cr 267.716	103.285	103.009	103.189
Cu 324.754	104.012	102.890	104.565
Fe 271.441	5059.52	5053.29	5069.13
K 766.491	5080.98	5083.60	5082.91
Mg 279.078	5021.47	5021.76	5045.88
Mn 257.610	532.784	531.693	532.193
Mo 202.032	101.329	100.758	103.168
Na 330.237	5047.81	4950.03	5025.86
Ni 231.604	103.072	100.929	102.287
Pb 220.353	53.0670	51.4368	54.3843
Sb 206.834	53.0197	53.1609	52.1828
Se 196.026	90.0811	103.600	106.131
Sn 189.925	208.219	204.874	201.180
Sr 216.596	100.384	100.938	101.945
Ti 334.941	102.020	101.979	102.088
Tl 190.794	42.4144	41.0037	35.0127
V 292.401	103.003	102.327	102.618
Zn 206.200	104.760	104.576	104.297

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	52.8595	ppb	0.3095	0.6	2526.69
Al 308.215	5038.98	ppb	4.4817	0.1	28903.1
As 188.980	103.769	ppb	7.1760	6.9	44.4385

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
B 249.678	208.362	ppb	0.6020	0.3	2882.07
Ba 389.178	100.841	ppb	0.1457	0.1	2120.53
Be 313.042	51.9579	ppb	0.0217	0.0	119072
Ca 370.602	4990	ppb	9.222	0.2	18395
Cd 226.502	51.0000	ppb	0.1324	0.3	1522.60
Co 228.615	51.6359	ppb	0.8400	1.6	386.000
Cr 267.716	103.161	ppb	0.1400	0.1	2660.00
Cu 324.754	103.822	ppb	0.8532	0.8	5243.22
Fe 271.441	5060.64	ppb	7.9784	0.2	4508.88
K 766.491	5082.50	ppb	1.3597	0.0	651556
Mg 279.078	5029.70	ppb	14.0099	0.3	10637.2
Mn 257.610	532.223	ppb	0.5466	0.1	73575.1
Mo 202.032	101.752	ppb	1.2596	1.2	568.494
Na 330.237	5007.90	ppb	51.3025	1.0	350.017
Ni 231.604	102.096	ppb	1.0843	1.1	283.200
Pb 220.353	52.9627	ppb	1.4765	2.8	51.7500
Sb 206.834	52.7878	ppb	0.5287	1.0	48.4705
Se 196.026	99.9373	ppb	8.6290	8.6	42.7615
Sn 189.925	204.758	ppb	3.5206	1.7	105.312
Sr 216.596	101.089	ppb	0.7916	0.8	734.277
Ti 334.941	102.029	ppb	0.0550	0.1	35765.3
Tl 190.794	39.4769	ppb	3.9299	10.0	12.4797
V 292.401	102.649	ppb	0.3388	0.3	3281.30
Zn 206.200	104.544	ppb	0.2327	0.2	212.675

680-105017-c-23-f ms (Samp) **9/10/2014, 4:08:01 PM** **Rack 1, Tube 57**

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

Label	Replicates Concentration		
Ag 328.068	51.0620	51.2237	51.3946
Al 308.215	4944.98	4933.64	4936.64
As 188.980	104.002	99.8615	98.5490
B 249.678	202.894	203.561	202.585
Ba 389.178	98.3703	99.2497	98.3570
Be 313.042	50.9480	50.8556	50.9452
Ca 370.602	4904	4892	4893
Cd 226.502	50.6976	49.9309	49.8178
Co 228.615	50.8117	51.0433	50.6219
Cr 267.716	101.187	101.248	101.360
Cu 324.754	101.315	101.507	102.158
Fe 271.441	4949.96	4937.45	4946.00
K 766.491	4988.24	4972.98	4983.19
Mg 279.078	4931.53	4919.97	4937.48
Mn 257.610	522.472	521.866	522.692
Mo 202.032	99.3599	100.025	100.345
Na 330.237	4904.78	4877.23	4861.25
Ni 231.604	99.5721	100.476	98.4029
Pb 220.353	52.5161	55.6159	53.5003
Sb 206.834	49.6014	49.9527	51.1820
Se 196.026	104.815	101.525	103.501
Sn 189.925	200.142	206.922	207.589
Sr 216.596	99.3764	99.2190	97.6334

Label	Replicates Concentration		
Ti 334.941	100.083	99.9785	100.118
Tl 190.794	44.1394	37.1093	37.4058
V 292.401	100.766	100.794	100.906
Zn 206.200	100.434	102.321	101.462

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	51.2267	ppb	0.1663	0.3	2448.37
Al 308.215	4938.42	ppb	5.8755	0.1	28333.1
As 188.980	100.804	ppb	2.8458	2.8	43.0195
B 249.678	203.013	ppb	0.4989	0.2	2809.03
Ba 389.178	98.6590	ppb	0.5116	0.5	2074.23
Be 313.042	50.9163	ppb	0.0526	0.1	116623
Ca 370.602	4897	ppb	6.302	0.1	18051
Cd 226.502	50.1488	ppb	0.4786	1.0	1497.43
Co 228.615	50.8256	ppb	0.2110	0.4	379.785
Cr 267.716	101.265	ppb	0.0876	0.1	2611.19
Cu 324.754	101.660	ppb	0.4420	0.4	5138.71
Fe 271.441	4944.47	ppb	6.3961	0.1	4405.81
K 766.491	4981.47	ppb	7.7740	0.2	638639
Mg 279.078	4929.66	ppb	8.9039	0.2	10426.1
Mn 257.610	522.343	ppb	0.4279	0.1	72210.0
Mo 202.032	99.9100	ppb	0.5025	0.5	558.311
Na 330.237	4881.09	ppb	22.0209	0.5	342.563
Ni 231.604	99.4837	ppb	1.0394	1.0	276.035
Pb 220.353	53.8774	ppb	1.5840	2.9	52.6622
Sb 206.834	50.2454	ppb	0.8300	1.7	46.3391
Se 196.026	103.281	ppb	1.6562	1.6	43.9095
Sn 189.925	204.884	ppb	4.1205	2.0	105.380
Sr 216.596	98.7429	ppb	0.9641	1.0	717.296
Ti 334.941	100.060	ppb	0.0725	0.1	35073.5
Tl 190.794	39.5515	ppb	3.9760	10.1	12.5186
V 292.401	100.822	ppb	0.0741	0.1	3222.90
Zn 206.200	101.406	ppb	0.9450	0.9	206.342

640-49038-c-1-c (Samp) **9/10/2014, 4:12:29 PM** **Rack 1, Tube 58**

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

Label	Replicates Concentration		
Ag 328.068	0.5166	0.0724	0.5194
Al 308.215	853.983	851.564	852.901
As 188.980	56.1752	56.9251	57.4348
B 249.678	7608.96x	7641.15x	7676.69x
Ba 389.178	513.437	512.506	514.716
Be 313.042	-0.2379u	-0.2393u	-0.2426u
Ca 370.602	18045	18053	18110
Cd 226.502	0.1289	-0.0792	-0.0448
Co 228.615	37.3004	37.1265	38.4966
Cr 267.716	23.8137	23.8842	24.0586
Cu 324.754	7.1779	7.4431	7.0344
Fe 271.441	5158.64	5178.67	5188.95
K 766.491	357960o	359705o	360386o
Mg 279.078	34680.1	34641.4	34759.9

Label	Replicates Concentration		
Mn 257.610	161.328	161.379	162.167
Mo 202.032	2.8291	3.2495	3.4831
Na 330.237	2295942x	2319722x	2311422x
Ni 231.604	158.661	158.769	158.276
Pb 220.353	4.4460	2.5975	2.7032
Sb 206.834	5.5878	2.8935	-1.4489u
Se 196.026	-1.7805u	7.0216	7.2710
Sn 189.925	71.7960	73.9396	75.0499
Sr 216.596	123.673	122.141	123.076
Ti 334.941	14.8323	14.8621	14.8603
Tl 190.794	-2.6431u	1.7224	-4.9773u
V 292.401	45.7031	45.6128	45.8469
Zn 206.200	120.835	118.348	119.866

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	0.3695b	ppb	0.2572	69.6	7.9314
Al 308.215	852.816b	ppb	1.2117	0.1	5175.18
As 188.980	56.8450b	ppb	0.6336	1.1	21.9511
B 249.678	7642.27xb	ppb	33.8830	0.4	104455
Ba 389.178	513.553b	ppb	1.1099	0.2	10864.8
Be 313.042	-0.2399b	ppb	0.0024	1.0	-3928.70
Ca 370.602	18069b	ppb	35.47	0.2	66726
Cd 226.502	0.0016b	ppb	0.1115	6792.1	23.7349
Co 228.615	37.6412b	ppb	0.7459	2.0	279.441
Cr 267.716	23.9188b	ppb	0.1261	0.5	639.345
Cu 324.754	7.2185b	ppb	0.2074	2.9	556.525
Fe 271.441	5175.42b	ppb	15.4106	0.3	4609.55
K 766.491	359350oxb	ppb	1251.11	0.3	45946436
Mg 279.078	34693.8b	ppb	60.4060	0.2	73291.5
Mn 257.610	161.625b	ppb	0.4707	0.3	22563.4
Mo 202.032	3.1872b	ppb	0.3314	10.4	23.0357
Na 330.237	2309028xb	ppb	12069.2	0.5	137404
Ni 231.604	158.569b	ppb	0.2588	0.2	437.991
Pb 220.353	3.2489b	ppb	1.0381	32.0	2.7845
Sb 206.834	2.3441b	ppb	3.5504	151.5	7.0046
Se 196.026	4.1707b	ppb	5.1554	123.6	9.8003
Sn 189.925	73.5952b	ppb	1.6541	2.2	34.9404
Sr 216.596	122.964b	ppb	0.7721	0.6	894.934
Ti 334.941	14.8516b	ppb	0.0167	0.1	5014.01
Tl 190.794	-1.9660b	ppb	3.4008	173.0	-8.1595
V 292.401	45.7209b	ppb	0.1181	0.3	1457.12
Zn 206.200	119.683b	ppb	1.2536	1.0	243.430

X (Samp) **9/10/2014, 4:16:58 PM** **Rack 1, Tube 59**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Replicates Concentration		
Ag 328.068	10.8100	11.3063	11.0742
Al 308.215	211.991	211.210	213.220
As 188.980	20.1616	20.8077	19.0240
B 249.678	156.476	150.686	146.320
Ba 389.178	10.7592	11.5008	10.4226

Label	Replicates Concentration		
Be 313.042	4.1113	4.1476	4.1235
Ca 370.602	516.6	522.3	520.6
Cd 226.502	5.1561	5.1948	5.2229
Co 228.615	10.7784	10.1765	9.6538
Cr 267.716	10.0406	10.6475	10.5090
Cu 324.754	21.3173	21.6036	21.3919
Fe 271.441	52.0397	42.5216	58.4910
K 766.491	1089.52	1090.74	1092.18
Mg 279.078	519.078	518.830	519.843
Mn 257.610	10.8097	10.7416	10.7652
Mo 202.032	9.7597	10.1427	9.3062
Na 330.237	979.882	981.819	1280.19
Ni 231.604	43.1562	41.9027	42.7435
Pb 220.353	13.4071	9.9789	9.2403
Sb 206.834	17.5463	21.7337	22.5710
Se 196.026	20.3495	25.8630	14.7728
Sn 189.925	52.8140	47.6785	52.0749
Sr 216.596	10.3382	9.5982	9.7576
Ti 334.941	10.4147	10.4217	10.4619
Tl 190.794	27.3830	26.8060	27.1996
V 292.401	10.1140	10.5020	10.5307
Zn 206.200	20.3137	20.4468	19.5866

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	11.0635	ppb	0.2483	2.2	521.011
Al 308.215	212.140	ppb	1.0134	0.5	1543.73
As 188.980	19.9977	ppb	0.9030	4.5	4.3500
B 249.678	151.161	ppb	5.0948	3.4	2103.57
Ba 389.178	10.8942	ppb	0.5516	5.1	210.035
Be 313.042	4.1275	ppb	0.0185	0.4	6631.61
Ca 370.602	519.8	ppb	2.949	0.6	1920
Cd 226.502	5.1913	ppb	0.0335	0.6	170.399
Co 228.615	10.2029	ppb	0.5628	5.5	68.4513
Cr 267.716	10.3990	ppb	0.3181	3.1	272.402
Cu 324.754	21.4376	ppb	0.1485	0.7	1262.21
Fe 271.441	51.0175	ppb	8.0336	15.7	66.5951
K 766.491	1090.81	ppb	1.3306	0.1	141200
Mg 279.078	519.250	ppb	0.5284	0.1	1120.68
Mn 257.610	10.7722	ppb	0.0346	0.3	1533.93
Mo 202.032	9.7362	ppb	0.4187	4.3	59.7247
Na 330.237	1080.63	ppb	172.827	16.0	120.443
Ni 231.604	42.6008	ppb	0.6388	1.5	119.943
Pb 220.353	10.8754	ppb	2.2234	20.4	10.4131
Sb 206.834	20.6170	ppb	2.6920	13.1	22.2444
Se 196.026	20.3285	ppb	5.5451	27.3	15.1835
Sn 189.925	50.8558	ppb	2.7763	5.5	22.1974
Sr 216.596	9.8980	ppb	0.3894	3.9	72.5814
Ti 334.941	10.4328	ppb	0.0254	0.2	3585.04
Tl 190.794	27.1295	ppb	0.2948	1.1	6.4453
V 292.401	10.3822	ppb	0.2327	2.2	333.874
Zn 206.200	20.1157	ppb	0.4630	2.3	42.3555

CRI (Samp) **9/10/2014, 4:21:27 PM** **Rack 1, Tube 60**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Replicates Concentration		
Ag 328.068	10.5575	10.6868	11.0657
Al 308.215	231.801	231.663	232.766
As 188.980	20.3878	24.2143	23.5628
B 249.678	119.085	120.294	117.670
Ba 389.178	10.1996	10.0912	9.6873
Be 313.042	4.1457	4.1387	4.1144
Ca 370.602	525.6	525.9	521.0
Cd 226.502	4.9737	5.4365	5.1265
Co 228.615	10.7892	10.3878	9.9156
Cr 267.716	10.5022	10.3229	10.4081
Cu 324.754	21.5639	21.7588	21.4001
Fe 271.441	53.1714	49.4832	56.4739
K 766.491	1069.53	1072.49	1063.16
Mg 279.078	520.816	527.098	521.353
Mn 257.610	10.7011	10.7369	10.6663
Mo 202.032	10.0950	9.3332	9.1081
Na 330.237	1053.21	924.917	1166.34
Ni 231.604	43.9254	43.2451	42.5790
Pb 220.353	11.6749	12.0252	13.3520
Sb 206.834	18.5508	13.8901	26.6965
Se 196.026	4.7682	14.6018	24.2506
Sn 189.925	52.8308	56.4557	49.3108
Sr 216.596	10.1237	10.4223	9.5679
Ti 334.941	10.4250	10.4891	10.3566
Tl 190.794	32.4831	28.6845	21.4914
V 292.401	10.2507	10.7215	10.4841
Zn 206.200	22.7512	21.9432	22.4222

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	10.7700	ppb	0.2641	2.5	506.935
Al 308.215	232.077	ppb	0.6009	0.3	1656.68
As 188.980	22.7216	ppb	2.0472	9.0	5.6539
B 249.678	119.016	ppb	1.3131	1.1	1664.34
Ba 389.178	9.9927	ppb	0.2700	2.7	191.111
Be 313.042	4.1329	ppb	0.0164	0.4	6644.46
Ca 370.602	524.1	ppb	2.758	0.5	1936
Cd 226.502	5.1789	ppb	0.2358	4.6	170.045
Co 228.615	10.3642	ppb	0.4373	4.2	69.6926
Cr 267.716	10.4111	ppb	0.0897	0.9	272.713
Cu 324.754	21.5743	ppb	0.1796	0.8	1268.81
Fe 271.441	53.0428	ppb	3.4972	6.6	68.4298
K 766.491	1068.40	ppb	4.7674	0.4	138334
Mg 279.078	523.089	ppb	3.4820	0.7	1128.78
Mn 257.610	10.7014	ppb	0.0353	0.3	1524.19
Mo 202.032	9.5121	ppb	0.5172	5.4	58.4843
Na 330.237	1048.15	ppb	120.790	11.5	118.503
Ni 231.604	43.2498	ppb	0.6732	1.6	121.722
Pb 220.353	12.3507	ppb	0.8847	7.2	11.8725
Sb 206.834	19.7125	ppb	6.4817	32.9	21.4839
Se 196.026	14.5402	ppb	9.7414	67.0	13.1903

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Sn 189.925	52.8658	ppb	3.5725	6.8	23.2829
Sr 216.596	10.0380	ppb	0.4336	4.3	73.5751
Ti 334.941	10.4236	ppb	0.0663	0.6	3581.83
Tl 190.794	27.5530	ppb	5.5825	20.3	6.6559
V 292.401	10.4854	ppb	0.2354	2.2	337.251
Zn 206.200	22.3722	ppb	0.4063	1.8	46.9105

Cont Calib Verif (CCV) **9/10/2014, 4:25:55 PM** **Rack 2, Tube 1**

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

Label	Replicates Concentration		
Ag 328.068	494.859	495.172	494.180
Al 308.215	4833.83	4839.12	4864.55
As 188.980	471.935	471.343	483.243
B 249.678	501.535	504.730	507.677
Ba 389.178	4887.59	4889.74	4907.43
Be 313.042	487.403	488.350	490.509
Ca 370.602	4873	4891	4908
Cd 226.502	486.568	485.331	488.895
Co 228.615	489.235	488.156	490.292
Cr 267.716	4878.56	4882.27	4902.15
Cu 324.754	4918.54	4903.79	4934.92
Fe 271.441	4839.03	4822.20	4854.27
K 766.491	9837.46	9840.96	9900.03
Mg 279.078	4860.87	4871.11	4896.12
Mn 257.610	4957.71	4956.19	4990.14
Mo 202.032	489.907	488.148	491.131
Na 330.237	7053.94	7038.38	7222.56
Ni 231.604	2471.13	2469.51	2476.10
Pb 220.353	487.653	478.750	492.132
Sb 206.834	924.357	924.231	928.518
Se 196.026	4856.50	4859.32	4920.82
Sn 189.925	4835.63	4877.18	4900.09
Sr 216.596	2439.77	2441.09	2444.21
Ti 334.941	481.821	482.660	484.598
Tl 190.794	4998.05	5013.10	5033.22
V 292.401	4869.65	4872.00	4891.72
Zn 206.200	2448.18	2448.45	2451.39

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Ag 328.068	494.737	ppb	0.5070	0.1	23744.0	98.94734
Al 308.215	4845.83	ppb	16.4229	0.3	28077.7	96.91668
As 188.980	475.507	ppb	6.7062	1.4	222.491	95.10141
B 249.678	504.647	ppb	3.0721	0.6	6942.36	100.92948
Ba 389.178	4894.92	ppb	10.8853	0.2	102840	97.89836
Be 313.042	488.754	ppb	1.5917	0.3	1147150	97.75081
Ca 370.602	4891	ppb	17.37	0.4	18115	97.81522
Cd 226.502	486.931	ppb	1.8098	0.4	14264.6	97.38625
Co 228.615	489.228	ppb	1.0680	0.2	3739.68	97.84557
Cr 267.716	4887.66	ppb	12.6877	0.3	125805	97.75320
Cu 324.754	4919.08	ppb	15.5680	0.3	238188	98.38164
Fe 271.441	4838.50	ppb	16.0430	0.3	4358.12	96.76996

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
K 766.491	9859.48	ppb	35.1625	0.4	1262317	98.59480
Mg 279.078	4876.04	ppb	18.1338	0.4	10312.9	97.52072
Mn 257.610	4968.01	ppb	19.1787	0.4	686089	99.36028
Mo 202.032	489.729	ppb	1.4993	0.3	2713.51	97.94572
Na 330.237	7104.96	ppb	102.139	1.4	461.733	94.73280
Ni 231.604	2472.24	ppb	3.4327	0.1	6779.67	98.88976
Pb 220.353	486.179	ppb	6.8118	1.4	482.393	97.23573
Sb 206.834	925.702	ppb	2.4397	0.3	810.360	92.57020
Se 196.026	4878.88	ppb	36.3513	0.7	1689.07	97.57763
Sn 189.925	4870.97	ppb	32.6806	0.7	2625.25	97.41933
Sr 216.596	2441.69	ppb	2.2823	0.1	17600.3	97.66755
Ti 334.941	483.026	ppb	1.4239	0.3	169577	96.60527
Tl 190.794	5014.79	ppb	17.6428	0.4	2488.53	100.29581
V 292.401	4877.79	ppb	12.1217	0.2	156715	97.55586
Zn 206.200	2449.34	ppb	1.7807	0.1	4934.35	97.97359

Cont Calib Blank (CCB) **9/10/2014, 4:30:23 PM** **Rack 2, Tube 2**

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

Label	Replicates	Concentration	
Ag 328.068	0.3935	-0.3928u	0.5188
Al 308.215	4.7861	3.8325	0.8390
As 188.980	-5.7274u	-3.3359u	-1.9019u
B 249.678	10.1862	9.2656	7.3271
Ba 389.178	0.3802	0.2546	0.4780
Be 313.042	-0.0572u	-0.0631u	0.0158
Ca 370.602	1.728	3.133	-0.8444u
Cd 226.502	-0.1369u	-0.2438u	-0.0438u
Co 228.615	-0.4238u	0.3512	0.5515
Cr 267.716	0.2700	0.1450	-0.3147u
Cu 324.754	0.4625	0.1510	-0.0334u
Fe 271.441	1.6773	3.9083	-0.4653u
K 766.491	1.1248	1.0533	0.3175
Mg 279.078	2.4719	2.4207	1.4905
Mn 257.610	0.0221	-0.0419u	-0.0239u
Mo 202.032	1.1065	0.5231	0.2696
Na 330.237	-17.9849u	11.9053	24.0758
Ni 231.604	0.6838	0.0811	-0.1493u
Pb 220.353	0.3417	-1.7593u	-0.6729u
Sb 206.834	9.2515	10.2023	4.8512
Se 196.026	8.4142	2.1259	-4.0760u
Sn 189.925	-2.1591u	-3.1473u	2.2313
Sr 216.596	-0.5272u	0.0484	0.0595
Ti 334.941	0.1169	0.1001	0.0542
Tl 190.794	-0.2422u	2.8919	6.1141
V 292.401	0.7458	0.4792	0.4099
Zn 206.200	-1.1083u	-0.8388u	-0.8292u

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Ag 328.068	0.1732	ppb	0.4941	285.3	-1.2689	0.17319
Al 308.215	3.1525	ppb	2.0595	65.3	358.538	3.15251
As 188.980	-3.6551	ppb	1.9326	52.9	-6.9750	-3.65508

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
B 249.678	8.9263	ppb	1.4594	16.3	159.993	8.92632
Ba 389.178	0.3709	ppb	0.1120	30.2	-12.4661	0.37095
Be 313.042	-0.0349	ppb	0.0439	126.0	-3153.49	-0.03488
Ca 370.602	1.339	ppb	2.017	150.7	1.943	1.33881
Cd 226.502	-0.1415	ppb	0.1001	70.7	14.3782	-0.14153
Co 228.615	0.1596	ppb	0.5151	322.7	-8.5419	0.15963
Cr 267.716	0.0334	ppb	0.3079	921.1	5.5952	0.03343
Cu 324.754	0.1933	ppb	0.2506	129.6	234.848	0.19335
Fe 271.441	1.7068	ppb	2.1870	128.1	22.2107	1.70678
K 766.491	0.8319	ppb	0.4469	53.7	1840.52	0.83189
Mg 279.078	2.1277	ppb	0.5524	26.0	28.5565	2.12773
Mn 257.610	-0.0146	ppb	0.0330	226.7	41.3912	-0.01456
Mo 202.032	0.6330	ppb	0.4292	67.8	9.3551	0.63304
Na 330.237	5.9987	ppb	21.6435	360.8	56.7732	5.99874
Ni 231.604	0.2052	ppb	0.4302	209.6	3.7367	0.20521
Pb 220.353	-0.6968	ppb	1.0507	150.8	-1.0237	-0.69682
Sb 206.834	8.1017	ppb	2.8548	35.2	11.7550	8.10169
Se 196.026	2.1547	ppb	6.2452	289.8	8.9203	2.15470
Sn 189.925	-1.0250	ppb	2.8630	279.3	-5.8205	-1.02502
Sr 216.596	-0.1398	ppb	0.3356	240.1	1.2097	-0.13977
Ti 334.941	0.0904	ppb	0.0324	35.9	-48.3737	0.09044
Tl 190.794	2.9213	ppb	3.1783	108.8	-5.5927	2.92129
V 292.401	0.5450	ppb	0.1774	32.5	19.6928	0.54495
Zn 206.200	-0.9254	ppb	0.1585	17.1	-0.0958	-0.92540

mb 680-347970/1-a (Samp) **9/10/2014, 4:34:50 PM** **Rack 2, Tube 3**

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

Label	Replicates Concentration		
Ag 328.068	0.1515	-0.1124u	-0.0570u
Al 308.215	10.7181	8.1673	8.0469
As 188.980	-0.7207u	-3.2034u	-5.0879u
B 249.678	6.3055	6.1680	6.2214
Ba 389.178	-0.1504u	0.1223	-0.8341u
Be 313.042	-0.0950u	-0.0947u	-0.1093u
Ca 370.602	19.71	21.84	18.24
Cd 226.502	0.0406	0.3102	0.0623
Co 228.615	-0.5459u	-0.0195u	0.2135
Cr 267.716	0.1833	-0.0302u	-0.0758u
Cu 324.754	0.4808	0.4953	0.3450
Fe 271.441	-2.2908u	-4.3095u	5.2722
K 766.491	2.9740	3.0451	2.8605
Mg 279.078	-2.2289u	4.2342	3.2746
Mn 257.610	-0.1618u	-0.1787u	-0.2056u
Mo 202.032	0.1722	-0.9182u	0.1813
Na 330.237	315.359	89.3319	137.386
Ni 231.604	-0.1516u	0.2957	0.9492
Pb 220.353	-0.0657u	-1.0587u	-4.6488u
Sb 206.834	-1.8581u	6.7068	0.1873
Se 196.026	4.5755	-1.7267u	-13.2591u
Sn 189.925	-6.4865u	1.8531	0.1873
Sr 216.596	0.2868	0.0413	-0.9838u

Label	Replicates Concentration		
Ti 334.941	0.1194	0.1302	0.1586
Tl 190.794	3.0307	4.7554	0.8351
V 292.401	0.1664	-0.0556u	0.0318
Zn 206.200	1.5649	-0.5647u	1.1048

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.0060	ppb	0.1391	2321.1	-9.8638
Al 308.215	8.9774	ppb	1.5087	16.8	391.460
As 188.980	-3.0040	ppb	2.1904	72.9	-6.6635
B 249.678	6.2316	ppb	0.0693	1.1	123.126
Ba 389.178	-0.2874	ppb	0.4927	171.4	-26.2926
Be 313.042	-0.0997	ppb	0.0083	8.3	-3305.85
Ca 370.602	19.93	ppb	1.807	9.1	70.62
Cd 226.502	0.1377	ppb	0.1498	108.8	22.5498
Co 228.615	-0.1173	ppb	0.3891	331.7	-10.6489
Cr 267.716	0.0258	ppb	0.1383	536.9	5.4046
Cu 324.754	0.4404	ppb	0.0829	18.8	246.778
Fe 271.441	-0.4427	ppb	5.0511	1141.0	20.2878
K 766.491	2.9599	ppb	0.0931	3.1	2112.59
Mg 279.078	1.7600	ppb	3.4876	198.2	27.7714
Mn 257.610	-0.1820	ppb	0.0221	12.1	18.2757
Mo 202.032	-0.1882	ppb	0.6322	335.9	4.8101
Na 330.237	180.692	ppb	119.074	65.9	67.1584
Ni 231.604	0.3644	ppb	0.5536	151.9	4.1733
Pb 220.353	-1.9244	ppb	2.4110	125.3	-2.2384
Sb 206.834	1.6787	ppb	4.4730	266.5	6.3397
Se 196.026	-3.4701	ppb	9.0442	260.6	6.9834
Sn 189.925	-1.4820	ppb	4.4133	297.8	-6.0673
Sr 216.596	-0.2186	ppb	0.6740	308.4	0.6530
Ti 334.941	0.1361	ppb	0.0203	14.9	-32.3620
Tl 190.794	2.8737	ppb	1.9648	68.4	-5.6168
V 292.401	0.0475	ppb	0.1118	235.3	3.8637
Zn 206.200	0.7017	ppb	1.1206	159.7	3.1888

lcs 680-347970/2-a (Samp) **9/10/2014, 4:39:18 PM** **Rack 2, Tube 4**

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

Label	Replicates Concentration		
Ag 328.068	52.2469	51.6431	51.8574
Al 308.215	4854.95	4854.05	4865.56
As 188.980	101.003	101.202	98.3569
B 249.678	196.884	197.135	198.696
Ba 389.178	98.0674	98.6205	98.6724
Be 313.042	50.2591	50.1788	50.2058
Ca 370.602	4853	4863	4867
Cd 226.502	49.4333	49.5262	49.5739
Co 228.615	49.8215	50.3651	50.4828
Cr 267.716	100.148	100.169	100.799
Cu 324.754	101.446	100.579	101.025
Fe 271.441	4917.42	4892.23	4910.40
K 766.491	4862.35	4860.17	4864.46
Mg 279.078	4814.94	4811.91	4818.61

Label	Replicates Concentration		
Mn 257.610	519.181	519.039	519.375
Mo 202.032	99.8418	99.1248	100.157
Na 330.237	4900.86	4863.59	4799.11
Ni 231.604	100.509	100.198	98.8485
Pb 220.353	55.7872	49.6134	51.6274
Sb 206.834	54.4636	50.8648	51.6753
Se 196.026	86.7910	98.1885	98.0923
Sn 189.925	198.549	203.592	198.292
Sr 216.596	98.0657	99.2622	98.6156
Ti 334.941	100.080	99.9525	99.9274
Tl 190.794	33.2440	38.5828	42.8061
V 292.401	100.507	101.121	100.325
Zn 206.200	97.8330	99.7097	98.6194

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	51.9158	ppb	0.3061	0.6	2481.41
Al 308.215	4858.18	ppb	6.4034	0.1	27878.5
As 188.980	100.187	ppb	1.5884	1.6	42.7243
B 249.678	197.572	ppb	0.9819	0.5	2734.71
Ba 389.178	98.4534	ppb	0.3353	0.3	2069.60
Be 313.042	50.2146	ppb	0.0408	0.1	114973
Ca 370.602	4861	ppb	6.961	0.1	17920
Cd 226.502	49.5111	ppb	0.0715	0.1	1478.76
Co 228.615	50.2231	ppb	0.3528	0.7	375.170
Cr 267.716	100.372	ppb	0.3700	0.4	2588.20
Cu 324.754	101.017	ppb	0.4335	0.4	5107.62
Fe 271.441	4906.68	ppb	13.0027	0.3	4372.34
K 766.491	4862.33	ppb	2.1458	0.0	623407
Mg 279.078	4815.15	ppb	3.3566	0.1	10184.2
Mn 257.610	519.198	ppb	0.1690	0.0	71775.1
Mo 202.032	99.7079	ppb	0.5290	0.5	557.194
Na 330.237	4854.52	ppb	51.4782	1.1	340.994
Ni 231.604	99.8519	ppb	0.8828	0.9	277.044
Pb 220.353	52.3427	ppb	3.1484	6.0	51.1462
Sb 206.834	52.3345	ppb	1.8878	3.6	48.1031
Se 196.026	94.3573	ppb	6.5527	6.9	40.8360
Sn 189.925	200.144	ppb	2.9885	1.5	102.820
Sr 216.596	98.6479	ppb	0.5989	0.6	716.597
Ti 334.941	99.9866	ppb	0.0817	0.1	35047.6
Tl 190.794	38.2110	ppb	4.7919	12.5	11.8537
V 292.401	100.651	ppb	0.4168	0.4	3217.47
Zn 206.200	98.7207	ppb	0.9425	1.0	200.923

280-59657-b-4-a (Samp) **9/10/2014, 4:43:45 PM** **Rack 2, Tube 5**

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

Label	Replicates Concentration		
Ag 328.068	0.5304	0.1020	-0.2186u
Al 308.215	84.4003	85.1805	83.2701
As 188.980	-3.1338u	5.0448	-1.8052u
B 249.678	624.660	625.258	627.981
Ba 389.178	1775.59	1776.70	1777.25

Label	Replicates Concentration		
Be 313.042	-0.1865u	-0.1625u	-0.1870u
Ca 370.602	11371	11374	11399
Cd 226.502	-0.2711u	-0.2832u	-0.0805u
Co 228.615	-0.4499u	0.4071	0.2317
Cr 267.716	0.1071	0.1224	-0.0433
Cu 324.754	1.2732	1.3671	1.1797
Fe 271.441	582.570	582.582	579.099
K 766.491	8015.85	8016.52	8033.96
Mg 279.078	2877.89	2870.61	2867.32
Mn 257.610	17.4289	17.4349	17.4041
Mo 202.032	1.0389	-0.2417u	0.6317
Na 330.237	1390488x	1388899x	1397238x
Ni 231.604	-0.1914u	0.3449	1.4364
Pb 220.353	1.0148	1.5161	-0.3535u
Sb 206.834	4.0923	-0.8369u	5.8458
Se 196.026	2.7995	3.6084	11.0497
Sn 189.925	0.8794	2.8288	-0.2437
Sr 216.596	2260.71	2266.98	2267.90
Ti 334.941	1.3282	1.2672	1.3029
Tl 190.794	-2.9775u	-6.6968u	-6.9672u
V 292.401	0.6951	0.6206	0.5821
Zn 206.200	1.3192	0.9143	-0.3949u

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	0.1379b	ppb	0.3758	272.4	-2.9968
Al 308.215	84.2836b	ppb	0.9606	1.1	818.204
As 188.980	0.0353b	ppb	4.3889	12440.6	-5.2125
B 249.678	625.966b	ppb	1.7699	0.3	8590.47
Ba 389.178	1776.51b	ppb	0.8497	0.0	37308.0
Be 313.042	-0.1787b	ppb	0.0140	7.8	-3663.22
Ca 370.602	11381b	ppb	15.40	0.1	42064
Cd 226.502	-0.2116b	ppb	0.1137	53.7	8.5632
Co 228.615	0.0630b	ppb	0.4527	719.1	-9.2363
Cr 267.716	0.0620b	ppb	0.0916	147.6	17.9010
Cu 324.754	1.2733b	ppb	0.0937	7.4	276.129
Fe 271.441	581.417b	ppb	2.0072	0.3	535.920
K 766.491	8022.11b	ppb	10.2693	0.1	1027400
Mg 279.078	2871.94b	ppb	5.4108	0.2	6088.82
Mn 257.610	17.4227b	ppb	0.0164	0.1	2462.91
Mo 202.032	0.4763b	ppb	0.6543	137.4	8.4396
Na 330.237	1392208xb	ppb	4427.68	0.3	82870.4
Ni 231.604	0.5300b	ppb	0.8296	156.5	4.6476
Pb 220.353	0.7258b	ppb	0.9677	133.3	0.3748
Sb 206.834	3.0338b	ppb	3.4648	114.2	7.4777
Se 196.026	5.8192b	ppb	4.5477	78.2	10.2508
Sn 189.925	1.1548b	ppb	1.5546	134.6	-4.3639
Sr 216.596	2265.20b	ppb	3.9116	0.2	16405.1
Ti 334.941	1.2994b	ppb	0.0306	2.4	264.024
Tl 190.794	-5.5472b	ppb	2.2295	40.2	-9.8221
V 292.401	0.6326b	ppb	0.0574	9.1	11.5468
Zn 206.200	0.6129b	ppb	0.8959	146.2	3.0209

280-59657-b-4-aSD^5 (Samp) **9/10/2014, 4:48:13 PM** **Rack 2, Tube 6**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Replicates Concentration		
Ag 328.068	-0.3358u	-0.1180u	-0.3973u
Al 308.215	23.2989	24.7525	20.8615
As 188.980	-2.9264u	-0.8070u	-1.3289u
B 249.678	142.016	141.758	141.459
Ba 389.178	400.335	400.276	398.919
Be 313.042	-0.1296u	-0.1415u	-0.1449u
Ca 370.602	2559	2553	2550
Cd 226.502	-0.3248u	-0.2366u	-0.0104u
Co 228.615	0.2445	0.1222	0.0739
Cr 267.716	-0.0114	0.0206	0.0708
Cu 324.754	0.3624	0.5821	0.1505
Fe 271.441	127.297	127.139	130.893
K 766.491	1254.76	1257.33	1255.80
Mg 279.078	678.741	677.309	672.050
Mn 257.610	3.6970	3.6877	3.7197
Mo 202.032	-0.0588u	-0.2818u	-0.3375u
Na 330.237	268995x	269663x	267797x
Ni 231.604	0.6563	0.9660	1.6342
Pb 220.353	3.8905	0.9865	1.9112
Sb 206.834	-1.8560u	-2.3906u	-3.3178u
Se 196.026	4.2439	2.5001	-2.2264u
Sn 189.925	2.6895	5.2815	-0.1397u
Sr 216.596	510.094	509.000	508.861
Ti 334.941	0.4164	0.3227	0.3388
Tl 190.794	-3.9540u	0.3885	5.0092
V 292.401	0.2044	0.1802	0.1715
Zn 206.200	1.1420	-0.3653u	0.3237

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.2837b	ppb	0.1468	51.7	-23.1886
Al 308.215	22.9710b	ppb	1.9661	8.6	470.751
As 188.980	-1.6875b	ppb	1.1043	65.4	-6.0342
B 249.678	141.744b	ppb	0.2787	0.2	1974.55
Ba 389.178	399.843b	ppb	0.8013	0.2	8381.34
Be 313.042	-0.1387b	ppb	0.0080	5.8	-3430.09
Ca 370.602	2554b	ppb	4.366	0.2	9437
Cd 226.502	-0.1906b	ppb	0.1622	85.1	12.2864
Co 228.615	0.1469b	ppb	0.0879	59.9	-8.6138
Cr 267.716	0.0267b	ppb	0.0415	155.6	7.6298
Cu 324.754	0.3650b	ppb	0.2158	59.1	240.682
Fe 271.441	128.443b	ppb	2.1231	1.7	134.495
K 766.491	1255.96b	ppb	1.2898	0.1	162315
Mg 279.078	676.033b	ppb	3.5232	0.5	1451.67
Mn 257.610	3.7015b	ppb	0.0164	0.4	557.908
Mo 202.032	-0.2260b	ppb	0.1475	65.2	4.5899
Na 330.237	268818xb	ppb	945.557	0.4	16046.8
Ni 231.604	1.0855b	ppb	0.4998	46.0	6.1544
Pb 220.353	2.2627b	ppb	1.4836	65.6	1.9041
Sb 206.834	-2.5215b	ppb	0.7397	29.3	2.7904
Se 196.026	1.5058b	ppb	3.3478	222.3	8.7122

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Sn 189.925	2.6105b	ppb	2.7114	103.9	-3.8040
Sr 216.596	509.318b	ppb	0.6751	0.1	3690.31
Ti 334.941	0.3593b	ppb	0.0501	14.0	24.9325
Tl 190.794	0.4812b	ppb	4.4823	931.4	-6.8104
V 292.401	0.1853b	ppb	0.0170	9.2	6.2304
Zn 206.200	0.3668b	ppb	0.7546	205.7	2.5156

280-59657-b-4-aPDS (Samp) **9/10/2014, 4:52:41 PM** **Rack 2, Tube 7**

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

Label	Replicates Concentration		
Ag 328.068	53.0321	52.9833	52.6127
Al 308.215	2427.46	2428.05	2430.07
As 188.980	221.392	218.073	224.422
B 249.678	1153.14	1155.24	1158.89
Ba 389.178	1973.22	1971.47	1971.33
Be 313.042	55.7560	55.7040	55.6943
Ca 370.602	13286	13284	13287
Cd 226.502	54.8386	54.7728	54.5481
Co 228.615	213.333	213.343	216.005
Cr 267.716	218.869	220.106	218.924
Cu 324.754	232.478	231.450	231.470
Fe 271.441	2691.37	2676.94	2679.85
K 766.491	11900.0	11891.0	11891.5
Mg 279.078	4886.13	4899.85	4885.32
Mn 257.610	243.219	243.039	242.795
Mo 202.032	214.514	216.087	215.882
Na 330.237	1376667x	1381926x	1373726x
Ni 231.604	215.413	216.543	216.282
Pb 220.353	212.192	214.022	209.254
Sb 206.834	211.314	205.475	210.847
Se 196.026	224.294	232.612	223.884
Sn 189.925	219.353	223.869	216.339
Sr 216.596	2450.11	2460.14	2453.91
Ti 334.941	216.987	217.088	216.917
Tl 190.794	200.035	191.986	193.717
V 292.401	219.516	218.812	219.015
Zn 206.200	225.311	224.531	228.307

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	52.8760b	ppb	0.2294	0.4	2526.94
Al 308.215	2428.53b	ppb	1.3671	0.1	14125.3
As 188.980	221.296b	ppb	3.1758	1.4	100.745
B 249.678	1155.76b	ppb	2.9102	0.3	15830.5
Ba 389.178	1972.01b	ppb	1.0577	0.1	41424.7
Be 313.042	55.7181b	ppb	0.0332	0.1	127759
Ca 370.602	13286b	ppb	1.230	0.0	49122
Cd 226.502	54.7199b	ppb	0.1523	0.3	1619.96
Co 228.615	214.227b	ppb	1.5401	0.7	1632.17
Cr 267.716	219.300b	ppb	0.6987	0.3	5660.57
Cu 324.754	231.799b	ppb	0.5882	0.3	11426.4
Fe 271.441	2682.72b	ppb	7.6312	0.3	2413.12

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
K 766.491	11894.2b	ppb	5.0723	0.0	1522465
Mg 279.078	4890.43b	ppb	8.1639	0.2	10347.8
Mn 257.610	243.018b	ppb	0.2129	0.1	33630.5
Mo 202.032	215.494b	ppb	0.8554	0.4	1198.11
Na 330.237	1377440xb	ppb	4154.38	0.3	81986.8
Ni 231.604	216.079b	ppb	0.5920	0.3	595.538
Pb 220.353	211.823b	ppb	2.4050	1.1	209.006
Sb 206.834	209.212b	ppb	3.2448	1.6	179.500
Se 196.026	226.930b	ppb	4.9247	2.2	86.4639
Sn 189.925	219.853b	ppb	3.7900	1.7	113.739
Sr 216.596	2454.72b	ppb	5.0675	0.2	17769.8
Ti 334.941	216.997b	ppb	0.0858	0.0	76026.9
Tl 190.794	195.246b	ppb	4.2369	2.2	90.1362
V 292.401	219.114b	ppb	0.3624	0.2	6987.47
Zn 206.200	226.050b	ppb	1.9933	0.9	457.617

280-59657-b-4-b ms (Samp) **9/10/2014, 4:57:09 PM** **Rack 2, Tube 8**

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

Label	Replicates Concentration		
Ag 328.068	55.5535	56.3484	56.1960
Al 308.215	5360.35	5365.79	5371.62
As 188.980	103.955	97.3671	95.9116
B 249.678	799.051	798.419	803.206
Ba 389.178	1797.36	1803.21	1804.90
Be 313.042	49.6487	49.7806	49.8459
Ca 370.602	15707	15757	15765
Cd 226.502	48.4840	48.1262	48.3999
Co 228.615	49.0929	48.2090	47.2573
Cr 267.716	98.6867	98.5655	98.3959
Cu 324.754	104.022	104.495	104.510
Fe 271.441	5284.56	5276.82	5283.49
K 766.491	16371.3	16372.4	16396.3
Mg 279.078	7294.70	7310.74	7322.58
Mn 257.610	517.841	518.043	519.161
Mo 202.032	98.4573	97.1992	97.6770
Na 330.237	1344308x	1346410x	1348327x
Ni 231.604	94.1525	97.9012	95.9294
Pb 220.353	46.1666	51.7321	46.7587
Sb 206.834	55.9390	49.3393	49.4355
Se 196.026	116.023	109.225	108.940
Sn 189.925	195.112	191.624	189.571
Sr 216.596	2263.84	2267.65	2269.08
Ti 334.941	98.6990	98.8545	98.3951
Tl 190.794	23.0215	31.5619	27.5741
V 292.401	99.0551	99.2494	99.4358
Zn 206.200	99.6831	98.3515	101.283

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	56.0326b	ppb	0.4219	0.8	2678.75
Al 308.215	5365.92b	ppb	5.6324	0.1	30755.1
As 188.980	99.0778b	ppb	4.2857	4.3	42.1900

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
B 249.678	800.225b	ppb	2.6009	0.3	10968.9
Ba 389.178	1801.83b	ppb	3.9552	0.2	37860.0
Be 313.042	49.7584b	ppb	0.1004	0.2	113736
Ca 370.602	15743b	ppb	31.37	0.2	58144
Cd 226.502	48.3367b	ppb	0.1871	0.4	1440.32
Co 228.615	48.1864b	ppb	0.9180	1.9	359.590
Cr 267.716	98.5494b	ppb	0.1460	0.1	2552.42
Cu 324.754	104.343b	ppb	0.2775	0.3	5258.10
Fe 271.441	5281.63b	ppb	4.1952	0.1	4704.45
K 766.491	16380.0b	ppb	14.1039	0.1	2095998
Mg 279.078	7309.34b	ppb	13.9911	0.2	15451.5
Mn 257.610	518.348b	ppb	0.7111	0.1	71669.0
Mo 202.032	97.7779b	ppb	0.6350	0.6	546.482
Na 330.237	1346348xb	ppb	2010.41	0.1	80138.4
Ni 231.604	95.9943b	ppb	1.8752	2.0	266.484
Pb 220.353	48.2192b	ppb	3.0567	6.3	47.0417
Sb 206.834	51.5713b	ppb	3.7828	7.3	47.4828
Se 196.026	111.396b	ppb	4.0093	3.6	46.7643
Sn 189.925	192.103b	ppb	2.8010	1.5	98.7460
Sr 216.596	2266.85b	ppb	2.7070	0.1	16417.1
Ti 334.941	98.6495b	ppb	0.2336	0.2	34469.5
Tl 190.794	27.3858b	ppb	4.2733	15.6	6.4526
V 292.401	99.2468b	ppb	0.1904	0.2	3162.12
Zn 206.200	99.7727b	ppb	1.4680	1.5	203.058

280-59657-b-4-c msd (Samp) **9/10/2014, 5:01:37 PM** **Rack 2, Tube 9**

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

Label	Replicates Concentration		
Ag 328.068	57.7543	57.6991	57.4563
Al 308.215	5634.51	5587.55	5573.10
As 188.980	110.532	111.021	101.688
B 249.678	837.530	834.387	829.949
Ba 389.178	1889.28	1877.31	1875.13
Be 313.042	52.1194	51.8114	51.6822
Ca 370.602	16514	16383	16347
Cd 226.502	50.9184	50.1081	50.3415
Co 228.615	50.4018	48.9796	49.9367
Cr 267.716	102.876	102.059	102.043
Cu 324.754	109.339	108.649	108.098
Fe 271.441	5520.30	5492.68	5478.41
K 766.491	17352.7	17226.9	17163.6
Mg 279.078	7635.36	7600.06	7589.39
Mn 257.610	542.618	539.102	538.089
Mo 202.032	100.823	100.659	99.9296
Na 330.237	1410128x	1402844x	1402498x
Ni 231.604	101.900	101.745	97.6473
Pb 220.353	51.4240	51.2002	49.1211
Sb 206.834	61.7893	51.6621	48.6833
Se 196.026	102.954	111.518	117.088
Sn 189.925	201.166	192.496	204.264
Sr 216.596	2373.35	2362.01	2362.06

Label	Replicates Concentration		
Ti 334.941	102.903	102.234	101.886
Tl 190.794	26.6750	31.0974	37.3605
V 292.401	103.316	102.579	102.748
Zn 206.200	105.163	105.628	102.301

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	57.6366b	ppb	0.1585	0.3	2755.72
Al 308.215	5598.39b	ppb	32.1073	0.6	32072.6
As 188.980	107.747b	ppb	5.2527	4.9	46.3393
B 249.678	833.956b	ppb	3.8088	0.5	11429.6
Ba 389.178	1880.58b	ppb	7.6199	0.4	39515.4
Be 313.042	51.8710b	ppb	0.2246	0.4	118695
Ca 370.602	16414b	ppb	87.85	0.5	60624
Cd 226.502	50.4560b	ppb	0.4171	0.8	1502.60
Co 228.615	49.7727b	ppb	0.7252	1.5	371.766
Cr 267.716	102.326b	ppb	0.4765	0.5	2650.07
Cu 324.754	108.695b	ppb	0.6216	0.6	5468.02
Fe 271.441	5497.13b	ppb	21.2939	0.4	4895.55
K 766.491	17247.7b	ppb	96.2577	0.6	2206939
Mg 279.078	7608.27b	ppb	24.0577	0.3	16082.5
Mn 257.610	539.936b	ppb	2.3771	0.4	74652.0
Mo 202.032	100.470b	ppb	0.4754	0.5	561.365
Na 330.237	1405157xb	ppb	4308.41	0.3	83636.4
Ni 231.604	100.431b	ppb	2.4119	2.4	278.652
Pb 220.353	50.5818b	ppb	1.2699	2.5	49.3665
Sb 206.834	54.0449b	ppb	6.8703	12.7	49.5513
Se 196.026	110.520b	ppb	7.1194	6.4	46.4718
Sn 189.925	199.309b	ppb	6.0998	3.1	102.648
Sr 216.596	2365.81b	ppb	6.5341	0.3	17133.7
Ti 334.941	102.341b	ppb	0.5168	0.5	35762.2
Tl 190.794	31.7110b	ppb	5.3691	16.9	8.5977
V 292.401	102.881b	ppb	0.3862	0.4	3278.01
Zn 206.200	104.364b	ppb	1.8019	1.7	212.322

280-59657-b-5-a (Samp) **9/10/2014, 5:06:06 PM** **Rack 2, Tube 10**

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

Label	Replicates Concentration		
Ag 328.068	0.1195	-0.4293u	-0.1085u
Al 308.215	98.4443	97.8490	95.9402
As 188.980	-3.6016u	2.2268	-4.6968u
B 249.678	130.197	130.608	127.691
Ba 389.178	570.379	574.787	568.186
Be 313.042	-0.1786u	-0.1753u	-0.1568u
Ca 370.602	2701	2712	2676
Cd 226.502	-0.5238u	-0.0066	-0.3728u
Co 228.615	0.1392	-0.0947u	-0.2021u
Cr 267.716	17.1738	17.3619	17.7418
Cu 324.754	5.1222	4.9369	4.7236
Fe 271.441	1722.54	1727.92	1700.62
K 766.491	3678.80	3690.25	3636.83
Mg 279.078	707.633	706.902	696.303

Label	Replicates Concentration		
Mn 257.610	32.8151	32.9714	32.4832
Mo 202.032	1.2765	0.9982	0.9453
Na 330.237	560381x	561499x	554877x
Ni 231.604	2.6688	3.1528	2.3937
Pb 220.353	-1.3722u	3.7570	3.5550
Sb 206.834	3.7520	0.4350	1.9003
Se 196.026	9.8065	5.9330	8.7469
Sn 189.925	0.3827	1.3938	-4.3735u
Sr 216.596	401.432	405.070	400.189
Ti 334.941	2.7449	3.2420	2.8684
Tl 190.794	5.3613	-3.2121u	-2.5770u
V 292.401	0.7334	0.7692	0.6237
Zn 206.200	-0.4360u	1.1653	0.7339

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.1394b	ppb	0.2757	197.7	-16.3214
Al 308.215	97.4112b	ppb	1.3082	1.3	892.636
As 188.980	-2.0238b	ppb	3.7217	183.9	-6.2065
B 249.678	129.499b	ppb	1.5788	1.2	1806.23
Ba 389.178	571.117b	ppb	3.3617	0.6	11982.4
Be 313.042	-0.1702b	ppb	0.0117	6.9	-3540.98
Ca 370.602	2696b	ppb	18.17	0.7	9941
Cd 226.502	-0.3011b	ppb	0.2660	88.3	12.1284
Co 228.615	-0.0525b	ppb	0.1745	332.4	-10.0542
Cr 267.716	17.4258b	ppb	0.2894	1.7	458.015
Cu 324.754	4.9276b	ppb	0.1995	4.0	461.309
Fe 271.441	1717.03b	ppb	14.4590	0.8	1542.12
K 766.491	3668.63b	ppb	28.1277	0.8	470786
Mg 279.078	703.613b	ppb	6.3407	0.9	1506.68
Mn 257.610	32.7566b	ppb	0.2493	0.8	4572.85
Mo 202.032	1.0733b	ppb	0.1780	16.6	11.6475
Na 330.237	558919xb	ppb	3544.95	0.6	33302.4
Ni 231.604	2.7384b	ppb	0.3843	14.0	10.7422
Pb 220.353	1.9799b	ppb	2.9048	146.7	1.6106
Sb 206.834	2.0291b	ppb	1.6622	81.9	6.7275
Se 196.026	8.1621b	ppb	2.0019	24.5	11.0307
Sn 189.925	-0.8656b	ppb	3.0797	355.8	-5.6229
Sr 216.596	402.230b	ppb	2.5363	0.6	2916.06
Ti 334.941	2.9518b	ppb	0.2588	8.8	911.075
Tl 190.794	-0.1426b	ppb	4.7771	3349.2	-7.1823
V 292.401	0.7088b	ppb	0.0758	10.7	19.9381
Zn 206.200	0.4878b	ppb	0.8286	169.9	2.7524

280-59657-b-6-a (Samp) **9/10/2014, 5:10:34 PM** **Rack 2, Tube 11**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Replicates Concentration		
Ag 328.068	0.1113	-0.0676u	0.3039
Al 308.215	46.2601	48.3351	47.9093
As 188.980	-5.3807u	-0.2998u	0.3487
B 249.678	176.194	175.298	175.623
Ba 389.178	504.086	502.058	503.465

Label	Replicates Concentration		
Be 313.042	-0.1738u	-0.1780u	-0.1762u
Ca 370.602	3297	3286	3293
Cd 226.502	-0.1700u	-0.3548u	-0.2309u
Co 228.615	0.2852	0.2324	1.0578
Cr 267.716	1.5731	1.5696	1.8613
Cu 324.754	1.2135	1.6956	1.5567
Fe 271.441	1344.87	1344.77	1351.38
K 766.491	3699.57	3699.22	3696.48
Mg 279.078	651.863	653.347	647.615
Mn 257.610	21.1376	21.0266	21.0217
Mo 202.032	1.5503	1.6193	1.5917
Na 330.237	568077x	566918x	566710x
Ni 231.604	1.2654	2.1262	0.8667
Pb 220.353	4.8945	1.9813	-0.1031u
Sb 206.834	1.2686	2.4466	0.6733
Se 196.026	-3.1286u	9.0613	5.7852
Sn 189.925	-2.6878u	0.1279	-5.0118u
Sr 216.596	460.853	459.961	461.748
Ti 334.941	0.9130	0.9414	1.0113
Tl 190.794	-3.4674u	0.4580	1.9281
V 292.401	0.4331	0.3507	0.2300
Zn 206.200	1.8109	0.7983	2.2585

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	0.1159b	ppb	0.1858	160.3	-4.0863
Al 308.215	47.5015b	ppb	1.0960	2.3	609.862
As 188.980	-1.7773b	ppb	3.1374	176.5	-6.0856
B 249.678	175.705b	ppb	0.4534	0.3	2437.79
Ba 389.178	503.203b	ppb	1.0392	0.2	10554.8
Be 313.042	-0.1760b	ppb	0.0021	1.2	-3555.30
Ca 370.602	3292b	ppb	5.679	0.2	12149
Cd 226.502	-0.2519b	ppb	0.0941	37.4	12.5503
Co 228.615	0.5251b	ppb	0.4621	88.0	-5.6826
Cr 267.716	1.6680b	ppb	0.1674	10.0	52.3593
Cu 324.754	1.4886b	ppb	0.2481	16.7	294.372
Fe 271.441	1347.01b	ppb	3.7876	0.3	1214.31
K 766.491	3698.42b	ppb	1.6925	0.0	474596
Mg 279.078	650.942b	ppb	2.9747	0.5	1396.19
Mn 257.610	21.0620b	ppb	0.0655	0.3	2956.84
Mo 202.032	1.5871b	ppb	0.0347	2.2	14.5225
Na 330.237	567235xb	ppb	736.180	0.1	33797.3
Ni 231.604	1.4194b	ppb	0.6437	45.4	7.1132
Pb 220.353	2.2576b	ppb	2.5102	111.2	1.8839
Sb 206.834	1.4628b	ppb	0.9025	61.7	6.1392
Se 196.026	3.9060b	ppb	6.3085	161.5	9.5614
Sn 189.925	-2.5239b	ppb	2.5738	102.0	-6.5170
Sr 216.596	460.854b	ppb	0.8932	0.2	3340.39
Ti 334.941	0.9552b	ppb	0.0506	5.3	209.075
Tl 190.794	-0.3604b	ppb	2.7893	773.9	-7.2769
V 292.401	0.3379b	ppb	0.1021	30.2	8.6933
Zn 206.200	1.6225b	ppb	0.7481	46.1	5.0732

280-59657-b-7-a (Samp) **9/10/2014, 5:15:03 PM** **Rack 2, Tube 12**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Replicates Concentration		
Ag 328.068	-0.5742u	-0.2939u	-0.7108u
Al 308.215	524.257	525.666	526.791
As 188.980	-1.8262u	-6.9465u	-1.5595u
B 249.678	318.358	318.652	319.935
Ba 389.178	568.787	566.896	567.936
Be 313.042	-0.1780u	-0.1785u	-0.1782u
Ca 370.602	3881	3871	3878
Cd 226.502	-0.0991u	-0.0824u	-0.2886u
Co 228.615	0.0556	-0.8140u	0.6768
Cr 267.716	0.3701	0.6918	0.3057
Cu 324.754	1.6855	1.9910	1.4885
Fe 271.441	508.262	501.368	515.414
K 766.491	4518.43	4527.65	4526.06
Mg 279.078	926.419	924.903	928.622
Mn 257.610	20.7127	20.9114	20.8723
Mo 202.032	0.7493	-0.2243u	-0.6702u
Na 330.237	730385x	729606x	732116x
Ni 231.604	0.6695	3.1090	1.9727
Pb 220.353	1.6636	-0.6864u	4.1253
Sb 206.834	-2.6254u	0.0606	8.2774
Se 196.026	9.4718	2.8006	-8.5525u
Sn 189.925	6.9656	0.9878	1.0760
Sr 216.596	652.874	650.066	653.202
Ti 334.941	6.2428	6.1884	6.3698
Tl 190.794	-0.0836u	-10.3815u	-0.5994u
V 292.401	1.6735	1.7957	1.7448
Zn 206.200	1.5913	4.3957	2.7975

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.5263b	ppb	0.2125	40.4	-34.8063
Al 308.215	525.572b	ppb	1.2697	0.2	3318.58
As 188.980	-3.4440b	ppb	3.0361	88.2	-6.8778
B 249.678	318.982b	ppb	0.8388	0.3	4396.05
Ba 389.178	567.873b	ppb	0.9471	0.2	11912.5
Be 313.042	-0.1782b	ppb	0.0002	0.1	-3580.26
Ca 370.602	3877b	ppb	4.970	0.1	14323
Cd 226.502	-0.1567b	ppb	0.1145	73.1	12.5263
Co 228.615	-0.0272b	ppb	0.7488	2753.4	-9.8461
Cr 267.716	0.4559b	ppb	0.2068	45.4	22.4985
Cu 324.754	1.7216b	ppb	0.2532	14.7	304.927
Fe 271.441	508.348b	ppb	7.0231	1.4	471.175
K 766.491	4524.04b	ppb	4.9310	0.1	580155
Mg 279.078	926.648b	ppb	1.8702	0.2	1980.22
Mn 257.610	20.8321b	ppb	0.1053	0.5	2924.36
Mo 202.032	-0.0484b	ppb	0.7259	1499.8	5.5404
Na 330.237	730702xb	ppb	1284.34	0.2	43521.3
Ni 231.604	1.9170b	ppb	1.2207	63.7	8.4475
Pb 220.353	1.7008b	ppb	2.4061	141.5	1.3213
Sb 206.834	1.9042b	ppb	5.6804	298.3	6.5319
Se 196.026	1.2399b	ppb	9.1129	735.0	8.6350

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Sn 189.925	3.0098b	ppb	3.4261	113.8	-3.4958
Sr 216.596	652.047b	ppb	1.7238	0.3	4724.19
Ti 334.941	6.2670b	ppb	0.0931	1.5	2061.26
Tl 190.794	-3.6882b	ppb	5.8023	157.3	-8.8978
V 292.401	1.7380b	ppb	0.0614	3.5	52.6664
Zn 206.200	2.9282b	ppb	1.4068	48.0	7.6931

Cont Calib Verif (CCV) **9/10/2014, 5:19:32 PM** **Rack 2, Tube 13**

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

Label	Replicates Concentration		
Ag 328.068	495.295	494.940	496.713
Al 308.215	4840.98	4846.32	4839.85
As 188.980	472.288	470.762	475.479
B 249.678	498.508	500.076	500.771
Ba 389.178	4892.72	4888.51	4892.85
Be 313.042	490.700	487.350	487.356
Ca 370.602	4895	4888	4881
Cd 226.502	485.731	485.381	485.023
Co 228.615	487.763	487.430	486.849
Cr 267.716	4884.00	4885.70	4879.17
Cu 324.754	4885.47	4933.52	4892.77
Fe 271.441	4841.39	4847.50	4829.55
K 766.491	9852.74	9848.41	9847.71
Mg 279.078	4867.59	4861.30	4861.10
Mn 257.610	4967.77	4962.60	4974.59
Mo 202.032	490.579	489.808	488.835
Na 330.237	6974.02	7141.48	7008.36
Ni 231.604	2470.42	2475.23	2461.10
Pb 220.353	488.499	487.217	486.767
Sb 206.834	929.962	926.348	918.580
Se 196.026	4852.36	4867.01	4851.98
Sn 189.925	4842.16	4851.83	4846.19
Sr 216.596	2443.39	2437.90	2440.73
Ti 334.941	483.106	483.202	482.516
Tl 190.794	5011.90	4995.83	4971.14
V 292.401	4877.06	4872.28	4876.25
Zn 206.200	2434.80	2436.86	2437.81

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Ag 328.068	495.649	ppb	0.9378	0.2	23787.7	99.12987
Al 308.215	4842.38	ppb	3.4575	0.1	28058.1	96.84766
As 188.980	472.843	ppb	2.4069	0.5	221.216	94.56866
B 249.678	499.785	ppb	1.1591	0.2	6875.92	99.95705
Ba 389.178	4891.36	ppb	2.4694	0.1	102765	97.82715
Be 313.042	488.469	ppb	1.9324	0.4	1146479	97.69379
Ca 370.602	4888	ppb	7.224	0.1	18104	97.75578
Cd 226.502	485.378	ppb	0.3542	0.1	14219.2	97.07565
Co 228.615	487.348	ppb	0.4627	0.1	3725.25	97.46952
Cr 267.716	4882.96	ppb	3.3894	0.1	125684	97.65912
Cu 324.754	4903.92	ppb	25.8914	0.5	237454	98.07838
Fe 271.441	4839.48	ppb	9.1249	0.2	4359.08	96.78964

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
K 766.491	9849.62	ppb	2.7235	0.0	1261056	98.49621
Mg 279.078	4863.33	ppb	3.6879	0.1	10286.1	97.26658
Mn 257.610	4968.32	ppb	6.0169	0.1	686131	99.36642
Mo 202.032	489.741	ppb	0.8736	0.2	2713.58	97.94817
Na 330.237	7041.29	ppb	88.4540	1.3	457.971	93.88383
Ni 231.604	2468.92	ppb	7.1870	0.3	6770.55	98.75666
Pb 220.353	487.494	ppb	0.8984	0.2	483.694	97.49889
Sb 206.834	924.964	ppb	5.8162	0.6	809.716	92.49635
Se 196.026	4857.12	ppb	8.5718	0.2	1681.58	97.14238
Sn 189.925	4846.72	ppb	4.8599	0.1	2612.16	96.93447
Sr 216.596	2440.67	ppb	2.7446	0.1	17593.1	97.62698
Ti 334.941	482.942	ppb	0.3714	0.1	169548	96.58833
Tl 190.794	4992.96	ppb	20.5320	0.4	2477.69	99.85917
V 292.401	4875.20	ppb	2.5559	0.1	156631	97.50397
Zn 206.200	2436.49	ppb	1.5364	0.1	4908.42	97.45966

Cont Calib Blank (CCB) **9/10/2014, 5:23:59 PM** **Rack 2, Tube 14**

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

Label	Replicates		Concentration
Ag 328.068	-0.2203u	0.0505	0.1004
Al 308.215	2.9800	3.5167	3.9161
As 188.980	-4.4297u	-1.8995u	2.8883
B 249.678	7.3478	6.0642	6.6482
Ba 389.178	-0.8349u	0.0497	0.3537
Be 313.042	-0.0389u	-0.0566u	-0.0792u
Ca 370.602	3.863	1.635	5.234
Cd 226.502	-0.1398u	-0.0201u	-0.1322u
Co 228.615	0.3463	0.7043	0.9821
Cr 267.716	0.2062	0.5911	0.0648
Cu 324.754	0.4562	0.3010	0.3808
Fe 271.441	6.2740	1.9122	-14.1589u
K 766.491	0.2677	0.4183	0.3593
Mg 279.078	1.5100	2.0836	-0.7222u
Mn 257.610	0.1546	0.0165	0.0183
Mo 202.032	1.0428	1.0430	0.7163
Na 330.237	13.2807	-11.8553u	8.7230
Ni 231.604	0.2210	0.7767	0.0314
Pb 220.353	0.1105	-0.7980u	1.1481
Sb 206.834	-0.5587u	0.4163	5.6829
Se 196.026	1.8073	-1.0021u	4.1496
Sn 189.925	2.5404	-0.4350u	1.9410
Sr 216.596	-0.5383u	-0.3575u	0.1963
Ti 334.941	0.1520	0.1443	0.0754
Tl 190.794	2.2743	7.8060	-1.4314u
V 292.401	0.2750	0.4963	0.1646
Zn 206.200	-0.7431u	0.3540	-0.1397u

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Ag 328.068	-0.0232	ppb	0.1725	745.0	-10.6849	-0.02316
Al 308.215	3.4709	ppb	0.4698	13.5	360.349	3.47092
As 188.980	-1.1470	ppb	3.7166	324.0	-5.7742	-1.14697

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
B 249.678	6.6867	ppb	0.6427	9.6	129.331	6.68672
Ba 389.178	-0.1438	ppb	0.6175	429.4	-23.2797	-0.14380
Be 313.042	-0.0583	ppb	0.0202	34.7	-3208.62	-0.05827
Ca 370.602	3.578	ppb	1.817	50.8	10.21	3.57757
Cd 226.502	-0.0974	ppb	0.0671	68.9	15.6715	-0.09737
Co 228.615	0.6776	ppb	0.3188	47.0	-4.5766	0.67757
Cr 267.716	0.2874	ppb	0.2724	94.8	12.1374	0.28739
Cu 324.754	0.3793	ppb	0.0776	20.5	243.857	0.37934
Fe 271.441	-1.9909	ppb	10.7611	540.5	18.9558	-1.99089
K 766.491	0.3484	ppb	0.0759	21.8	1778.71	0.34843
Mg 279.078	0.9571	ppb	1.4824	154.9	26.0817	0.95712
Mn 257.610	0.0631	ppb	0.0792	125.5	52.1150	0.06313
Mo 202.032	0.9340	ppb	0.1886	20.2	11.0209	0.93404
Na 330.237	3.3828	ppb	13.3919	395.9	56.6165	3.38279
Ni 231.604	0.3430	ppb	0.3873	112.9	4.1145	0.34302
Pb 220.353	0.1535	ppb	0.9738	634.2	-0.1823	0.15353
Sb 206.834	1.8468	ppb	3.3577	181.8	6.4636	1.84683
Se 196.026	1.6516	ppb	2.5794	156.2	8.7471	1.65163
Sn 189.925	1.3488	ppb	1.5736	116.7	-4.5385	1.34882
Sr 216.596	-0.2332	ppb	0.3827	164.1	0.5260	-0.23317
Ti 334.941	0.1239	ppb	0.0422	34.0	-36.6184	0.12394
Tl 190.794	2.8830	ppb	4.6487	161.2	-5.6118	2.88296
V 292.401	0.3120	ppb	0.1689	54.1	12.0855	0.31196
Zn 206.200	-0.1763	ppb	0.5494	311.7	1.4160	-0.17626

280-59657-b-8-a (Samp) **9/10/2014, 5:36:40 PM** **Rack 2, Tube 15**

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

Label	Replicates Concentration		
Ag 328.068	-0.3435u	-0.2104u	0.1601
Al 308.215	59.2008	59.7363	56.4948
As 188.980	-0.3365u	-7.2027u	1.9616
B 249.678	508.208	511.802	511.476
Ba 389.178	616.851	617.390	616.219
Be 313.042	-0.1726u	-0.1927u	-0.1951u
Ca 370.602	5812	5820	5795
Cd 226.502	-0.0051u	-0.1154u	-0.2483u
Co 228.615	-0.3202u	0.2199	0.4888
Cr 267.716	1.7442	1.8064	1.9650
Cu 324.754	2.6823	2.5548	2.5373
Fe 271.441	777.543	772.276	768.237
K 766.491	8204.10	8214.19	8198.72
Mg 279.078	1224.48	1230.69	1224.59
Mn 257.610	18.4440	18.3812	18.2276
Mo 202.032	-0.2856u	0.2803	0.0565
Na 330.237	805467x	794598x	805862x
Ni 231.604	1.3604	2.3766	1.0152
Pb 220.353	1.4575	-0.5387u	5.1387
Sb 206.834	-3.5029u	0.1671	5.2393
Se 196.026	-4.7803u	0.0088	3.4804
Sn 189.925	5.1729	2.5783	0.9023
Sr 216.596	867.653	865.931	863.600

Label	Replicates Concentration		
Ti 334.941	0.8883	0.9809	0.9500
Tl 190.794	-3.1716u	1.4844	-10.7133u
V 292.401	0.6522	0.5787	1.0274
Zn 206.200	8.8740	7.4108	9.0545

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.1313b	ppb	0.2610	198.8	-15.9003
Al 308.215	58.4773b	ppb	1.7377	3.0	671.957
As 188.980	-1.8592b	ppb	4.7681	256.5	-6.1210
B 249.678	510.495b	ppb	1.9872	0.4	7012.58
Ba 389.178	616.820b	ppb	0.5861	0.1	12942.0
Be 313.042	-0.1868b	ppb	0.0123	6.6	-3609.26
Ca 370.602	5809b	ppb	12.64	0.2	21461
Cd 226.502	-0.1230b	ppb	0.1218	99.0	13.9231
Co 228.615	0.1295b	ppb	0.4120	318.2	-8.7096
Cr 267.716	1.8385b	ppb	0.1139	6.2	58.6987
Cu 324.754	2.5914b	ppb	0.0791	3.1	345.277
Fe 271.441	772.685b	ppb	4.6667	0.6	705.401
K 766.491	8205.67b	ppb	7.8508	0.1	1050869
Mg 279.078	1226.59b	ppb	3.5524	0.3	2613.21
Mn 257.610	18.3509b	ppb	0.1113	0.6	2583.83
Mo 202.032	0.0171b	ppb	0.2850	1671.6	5.8814
Na 330.237	801976xb	ppb	6392.55	0.8	47760.9
Ni 231.604	1.5841b	ppb	0.7077	44.7	7.5440
Pb 220.353	2.0191b	ppb	2.8801	142.6	1.6551
Sb 206.834	0.6345b	ppb	4.3898	691.8	5.4684
Se 196.026	-0.4304b	ppb	4.1478	963.8	8.0729
Sn 189.925	2.8845b	ppb	2.1517	74.6	-3.5491
Sr 216.596	865.728b	ppb	2.0342	0.2	6271.83
Ti 334.941	0.9398b	ppb	0.0472	5.0	184.827
Tl 190.794	-4.1335b	ppb	6.1555	148.9	-9.1273
V 292.401	0.7528b	ppb	0.2406	32.0	20.3188
Zn 206.200	8.4464b	ppb	0.9014	10.7	18.8352

280-59657-b-9-a (Samp) **9/10/2014, 5:41:07 PM** **Rack 2, Tube 16**

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

Label	Replicates Concentration		
Ag 328.068	-0.0335u	0.0103	-0.4813u
Al 308.215	18.0062	16.5105	17.3230
As 188.980	2.3175	-2.6152u	-0.6872u
B 249.678	49.9110	48.0678	48.7824
Ba 389.178	674.110	673.841	673.499
Be 313.042	-0.1719u	-0.1607u	-0.1831u
Ca 370.602	1830	1830	1830
Cd 226.502	0.0893	-0.2397u	-0.1764u
Co 228.615	0.2705	0.1994	-0.6891u
Cr 267.716	0.1604	0.0604	0.0252
Cu 324.754	0.8018	0.3348	0.5620
Fe 271.441	177.158	176.054	185.492
K 766.491	3425.71	3406.75	3419.95
Mg 279.078	553.154	553.910	550.126

Label	Replicates Concentration		
Mn 257.610	5.8757	5.8623	5.8011
Mo 202.032	0.2132	-0.0981u	-0.4616u
Na 330.237	539387x	537140x	535517x
Ni 231.604	1.4623	-0.2430u	0.3186
Pb 220.353	3.5667	-0.4332u	3.6997
Sb 206.834	1.8811	3.2322	-0.6204u
Se 196.026	-1.1571u	2.8541	0.3825
Sn 189.925	2.5620	-1.2541u	-2.4374u
Sr 216.596	349.496	349.976	351.277
Ti 334.941	0.2187	0.2777	0.2100
Tl 190.794	-4.4728u	-12.2142u	1.5879
V 292.401	0.4233	0.1713	0.4172
Zn 206.200	1.6638	1.1637	2.5391

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.1682b	ppb	0.2720	161.8	-17.6442
Al 308.215	17.2799b	ppb	0.7488	4.3	438.511
As 188.980	-0.3283b	ppb	2.4858	757.2	-5.3839
B 249.678	48.9204b	ppb	0.9293	1.9	706.280
Ba 389.178	673.817b	ppb	0.3061	0.0	14136.6
Be 313.042	-0.1719b	ppb	0.0112	6.5	-3542.48
Ca 370.602	1830b	ppb	0.4621	0.0	6759
Cd 226.502	-0.1089b	ppb	0.1745	160.3	13.7830
Co 228.615	-0.0731b	ppb	0.5347	731.8	-10.3006
Cr 267.716	0.0820b	ppb	0.0701	85.5	11.2853
Cu 324.754	0.5662b	ppb	0.2335	41.2	251.122
Fe 271.441	179.568b	ppb	5.1600	2.9	179.781
K 766.491	3417.47b	ppb	9.7223	0.3	438675
Mg 279.078	552.397b	ppb	2.0025	0.4	1190.43
Mn 257.610	5.8464b	ppb	0.0398	0.7	852.728
Mo 202.032	-0.1155b	ppb	0.3378	292.4	5.1974
Na 330.237	537348xb	ppb	1943.07	0.4	32020.0
Ni 231.604	0.5127b	ppb	0.8691	169.5	4.5860
Pb 220.353	2.2777b	ppb	2.3487	103.1	1.9188
Sb 206.834	1.4976b	ppb	1.9547	130.5	6.1880
Se 196.026	0.6932b	ppb	2.0236	291.9	8.4296
Sn 189.925	-0.3765b	ppb	2.6127	694.0	-5.3631
Sr 216.596	350.250b	ppb	0.9218	0.3	2538.55
Ti 334.941	0.2355b	ppb	0.0368	15.6	-41.6407
Tl 190.794	-5.0331b	ppb	6.9181	137.5	-9.5521
V 292.401	0.3373b	ppb	0.1438	42.6	8.9421
Zn 206.200	1.7889b	ppb	0.6961	38.9	5.3869

280-59657-b-10-a (Samp) **9/10/2014, 5:45:35 PM** **Rack 2, Tube 17**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Replicates Concentration		
Ag 328.068	0.0487	-0.0169u	-0.4838u
Al 308.215	69.9453	72.2266	73.1721
As 188.980	1.1136	-6.3892u	-1.4102u
B 249.678	43.3606	42.6461	43.1807
Ba 389.178	617.060	617.757	617.526

Label	Replicates Concentration		
Be 313.042	-0.1692u	-0.1690u	-0.1719u
Ca 370.602	1976	1979	1972
Cd 226.502	-0.0257u	-0.2757u	0.1076
Co 228.615	-0.2395u	-0.4093u	0.7379
Cr 267.716	0.4261	0.2056	-0.0315
Cu 324.754	0.6982	0.7106	0.8027
Fe 271.441	496.096	486.397	497.269
K 766.491	3039.97	3037.93	3035.74
Mg 279.078	521.544	515.179	515.734
Mn 257.610	8.3859	8.3567	8.4104
Mo 202.032	0.8140	0.1349	0.3833
Na 330.237	523953x	522330x	523763x
Ni 231.604	1.9538	0.3584	1.9533
Pb 220.353	7.4175	2.5028	6.3324
Sb 206.834	3.4904	-4.5222u	-0.7180u
Se 196.026	-2.2558u	0.8471	-1.5017u
Sn 189.925	-2.1537u	1.0582	0.4369
Sr 216.596	342.457	343.911	342.519
Ti 334.941	1.0298	1.0095	1.0092
Tl 190.794	0.7758	-6.5038u	-4.6931u
V 292.401	0.1309	0.5268	0.3461
Zn 206.200	0.4816	1.5397	0.0247

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.1507b	ppb	0.2904	192.7	-16.8273
Al 308.215	71.7813b	ppb	1.6589	2.3	747.362
As 188.980	-2.2286b	ppb	3.8178	171.3	-6.2957
B 249.678	43.0625b	ppb	0.3716	0.9	626.005
Ba 389.178	617.448b	ppb	0.3552	0.1	12952.9
Be 313.042	-0.1700b	ppb	0.0016	1.0	-3536.14
Ca 370.602	1976b	ppb	3.270	0.2	7295
Cd 226.502	-0.0646b	ppb	0.1946	301.2	15.9503
Co 228.615	0.0297b	ppb	0.6191	2083.9	-9.4982
Cr 267.716	0.2001b	ppb	0.2288	114.4	14.2012
Cu 324.754	0.7372b	ppb	0.0571	7.7	259.250
Fe 271.441	493.254b	ppb	5.9671	1.2	457.756
K 766.491	3037.88b	ppb	2.1137	0.1	390142
Mg 279.078	517.486b	ppb	3.5258	0.7	1116.06
Mn 257.610	8.3843b	ppb	0.0269	0.3	1203.72
Mo 202.032	0.4441b	ppb	0.3436	77.4	8.2680
Na 330.237	523349xb	ppb	887.235	0.2	31187.1
Ni 231.604	1.4218b	ppb	0.9210	64.8	7.0893
Pb 220.353	5.4176b	ppb	2.5819	47.7	5.0203
Sb 206.834	-0.5833b	ppb	4.0080	687.1	4.4202
Se 196.026	-0.9701b	ppb	1.6183	166.8	7.8622
Sn 189.925	-0.2196b	ppb	1.7036	775.9	-5.2814
Sr 216.596	342.962b	ppb	0.8222	0.2	2485.99
Ti 334.941	1.0162b	ppb	0.0118	1.2	233.793
Tl 190.794	-3.4737b	ppb	3.7899	109.1	-8.7903
V 292.401	0.3346b	ppb	0.1982	59.2	8.9569
Zn 206.200	0.6820b	ppb	0.7771	113.9	3.1590

280-59657-b-11-a (Samp) **9/10/2014, 5:50:03 PM** **Rack 2, Tube 18**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Replicates Concentration		
Ag 328.068	-0.1174u	-0.3462u	-0.0932u
Al 308.215	27.8794	27.7863	28.7670
As 188.980	-0.2297u	-3.4943u	1.1385
B 249.678	561.195	563.925	563.968
Ba 389.178	639.964	639.814	639.541
Be 313.042	-0.1660u	-0.1745u	-0.1621u
Ca 370.602	4479	4451	4479
Cd 226.502	-0.1026u	-0.2202u	-0.1690u
Co 228.615	-0.4440u	-0.0302u	0.0720
Cr 267.716	1.3528	1.2089	1.4473
Cu 324.754	1.0570	0.8579	1.6676
Fe 271.441	803.543	809.982	797.581
K 766.491	4159.73	4170.09	4167.66
Mg 279.078	626.233	625.794	624.070
Mn 257.610	16.3996	16.3875	16.3179
Mo 202.032	-0.4019u	-0.0244u	0.1839
Na 330.237	679830x	677021x	686274x
Ni 231.604	0.1674	-0.1403u	1.8045
Pb 220.353	6.3521	-0.8292u	-3.5190u
Sb 206.834	-2.0718u	1.8944	0.3979
Se 196.026	6.1772	-6.3460u	14.0495
Sn 189.925	-3.9774u	2.9258	2.1315
Sr 216.596	640.482	637.887	644.092
Ti 334.941	0.4051	0.3585	0.3928
Tl 190.794	-1.8859u	-2.7256u	-9.6316u
V 292.401	0.6309	0.3811	0.5184
Zn 206.200	4.3791	2.4814	2.9843

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.1856b	ppb	0.1396	75.2	-18.5076
Al 308.215	28.1442b	ppb	0.5413	1.9	500.079
As 188.980	-0.8618b	ppb	2.3802	276.2	-5.6438
B 249.678	563.029b	ppb	1.5887	0.3	7730.34
Ba 389.178	639.773b	ppb	0.2141	0.0	13422.8
Be 313.042	-0.1675b	ppb	0.0063	3.8	-3549.38
Ca 370.602	4469b	ppb	16.31	0.4	16509
Cd 226.502	-0.1639b	ppb	0.0590	36.0	13.2528
Co 228.615	-0.1341b	ppb	0.2733	203.8	-10.7385
Cr 267.716	1.3363b	ppb	0.1201	9.0	44.7837
Cu 324.754	1.1941b	ppb	0.4219	35.3	278.964
Fe 271.441	803.702b	ppb	6.2020	0.8	732.838
K 766.491	4165.83b	ppb	5.4194	0.1	534356
Mg 279.078	625.366b	ppb	1.1436	0.2	1343.28
Mn 257.610	16.3683b	ppb	0.0441	0.3	2307.05
Mo 202.032	-0.0808b	ppb	0.2970	367.6	5.3375
Na 330.237	681042xb	ppb	4743.77	0.7	40567.2
Ni 231.604	0.6105b	ppb	1.0454	171.2	4.8767
Pb 220.353	0.6679b	ppb	5.1030	764.0	0.3188
Sb 206.834	0.0735b	ppb	2.0029	2724.5	4.9920
Se 196.026	4.6269b	ppb	10.2858	222.3	9.8077

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Sn 189.925	0.3600b	ppb	3.7772	1049.2	-4.9363
Sr 216.596	640.820b	ppb	3.1161	0.5	4643.27
Ti 334.941	0.3855b	ppb	0.0241	6.3	-1.0418
Tl 190.794	-4.7477b	ppb	4.2504	89.5	-9.4346
V 292.401	0.5101b	ppb	0.1251	24.5	13.4978
Zn 206.200	3.2816b	ppb	0.9832	30.0	8.4109

280-59657-b-12-a (Samp) **9/10/2014, 5:54:30 PM** **Rack 2, Tube 19**

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

Label	Replicates	Concentration	
Ag 328.068	0.0031	-0.1867u	-0.0216u
Al 308.215	20.2521	18.2610	23.4200
As 188.980	-2.2338u	-2.8033u	-0.7224u
B 249.678	136.305	136.644	134.896
Ba 389.178	385.323	386.376	385.695
Be 313.042	-0.1622u	-0.1571u	-0.1661u
Ca 370.602	2293	2295	2294
Cd 226.502	-0.3245u	-0.0832u	-0.2237u
Co 228.615	-0.2309u	-0.0954u	0.0217
Cr 267.716	-0.0124	0.1541	0.0343
Cu 324.754	0.7619	0.4306	0.5817
Fe 271.441	289.797	295.084	295.359
K 766.491	3065.59	3065.27	3066.01
Mg 279.078	341.693	340.131	341.630
Mn 257.610	4.8668	4.8563	4.7933
Mo 202.032	0.3549	-0.1093u	0.3657
Na 330.237	527557x	528499x	527381x
Ni 231.604	-0.3774u	-0.2186u	0.4412
Pb 220.353	2.2119	1.3034	2.6206
Sb 206.834	-0.2766u	-5.3863u	-1.7765u
Se 196.026	-2.1974u	5.3245	-0.1378u
Sn 189.925	1.2538	-1.5435u	0.8575
Sr 216.596	362.994	362.593	363.899
Ti 334.941	0.2800	0.2476	0.3318
Tl 190.794	0.7044	1.2113	-1.9434u
V 292.401	0.0327u	0.2955	0.4988
Zn 206.200	1.2516	0.0273	0.4559

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.0684b	ppb	0.1032	150.8	-12.8731
Al 308.215	20.6444b	ppb	2.6018	12.6	457.596
As 188.980	-1.9198b	ppb	1.0754	56.0	-6.1465
B 249.678	135.948b	ppb	0.9272	0.7	1895.27
Ba 389.178	385.798b	ppb	0.5341	0.1	8085.76
Be 313.042	-0.1618b	ppb	0.0045	2.8	-3517.18
Ca 370.602	2294b	ppb	1.085	0.0	8473
Cd 226.502	-0.2105b	ppb	0.1212	57.6	11.1487
Co 228.615	-0.1015b	ppb	0.1264	124.5	-10.5196
Cr 267.716	0.0587b	ppb	0.0859	146.3	10.6047
Cu 324.754	0.5914b	ppb	0.1659	28.0	251.900
Fe 271.441	293.413b	ppb	3.1348	1.1	280.703

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
K 766.491	3065.62b	ppb	0.3716	0.0	393689
Mg 279.078	341.151b	ppb	0.8842	0.3	744.016
Mn 257.610	4.8388b	ppb	0.0398	0.8	712.681
Mo 202.032	0.2038b	ppb	0.2712	133.1	6.9549
Na 330.237	527812xb	ppb	601.099	0.1	31452.7
Ni 231.604	-0.0516b	ppb	0.4341	841.4	3.0435
Pb 220.353	2.0453b	ppb	0.6742	33.0	1.6868
Sb 206.834	-2.4798b	ppb	2.6265	105.9	2.8199
Se 196.026	0.9964b	ppb	3.8871	390.1	8.5379
Sn 189.925	0.1893b	ppb	1.5136	799.7	-5.0595
Sr 216.596	363.162b	ppb	0.6689	0.2	2632.23
Ti 334.941	0.2865b	ppb	0.0425	14.8	-23.3339
Tl 190.794	-0.0092b	ppb	1.6941	18420.9	-7.0605
V 292.401	0.2757b	ppb	0.2337	84.8	6.9985
Zn 206.200	0.5783b	ppb	0.6212	107.4	2.9457

280-59657-b-13-a (Samp) **9/10/2014, 5:58:58 PM** **Rack 2, Tube 20**

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

Label	Replicates Concentration		
Ag 328.068	0.0730	0.2481	0.1391
Al 308.215	43.4487	44.2573	43.2374
As 188.980	-1.5689u	5.7592	-1.8192u
B 249.678	724.314	726.074	725.472
Ba 389.178	591.712	591.256	589.897
Be 313.042	-0.1686u	-0.1577u	-0.1596u
Ca 370.602	3686	3691	3688
Cd 226.502	-0.3174u	-0.2146u	-0.2789u
Co 228.615	-0.2911u	0.1406	-0.3317u
Cr 267.716	0.5679	0.3582	0.3208
Cu 324.754	0.6783	0.3212	0.3759
Fe 271.441	551.943	546.789	546.672
K 766.491	3665.68	3655.73	3648.78
Mg 279.078	694.953	698.507	688.689
Mn 257.610	11.1499	11.0471	11.0705
Mo 202.032	0.0544	0.4363	0.3015
Na 330.237	656448x	658386x	658302x
Ni 231.604	-0.0366u	0.1372	0.7122
Pb 220.353	-0.9306u	0.1828	2.3600
Sb 206.834	-1.2886u	-0.8246u	1.4827
Se 196.026	7.2497	4.7533	-3.1994u
Sn 189.925	-6.1222u	1.9055	-0.5720u
Sr 216.596	660.269	658.177	658.351
Ti 334.941	0.7355	0.7365	0.6698
Tl 190.794	-4.5859u	-2.9802u	-2.5879u
V 292.401	0.1062u	0.3453	0.3207
Zn 206.200	1.5765	0.2335	-0.7415u

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	0.1534b	ppb	0.0884	57.6	-2.2461
Al 308.215	43.6478b	ppb	0.5383	1.2	587.931
As 188.980	0.7903b	ppb	4.3050	544.7	-4.8510

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
B 249.678	725.287b	ppb	0.8946	0.1	9947.50
Ba 389.178	590.955b	ppb	0.9442	0.2	12396.9
Be 313.042	-0.1620b	ppb	0.0058	3.6	-3533.19
Ca 370.602	3688b	ppb	2.796	0.1	13624
Cd 226.502	-0.2703b	ppb	0.0520	19.2	9.6012
Co 228.615	-0.1607b	ppb	0.2617	162.8	-10.9562
Cr 267.716	0.4156b	ppb	0.1332	32.0	20.8542
Cu 324.754	0.4585b	ppb	0.1923	41.9	244.120
Fe 271.441	548.468b	ppb	3.0102	0.5	506.667
K 766.491	3656.73b	ppb	8.4934	0.2	469265
Mg 279.078	694.049b	ppb	4.9711	0.7	1488.85
Mn 257.610	11.0892b	ppb	0.0538	0.5	1578.00
Mo 202.032	0.2641b	ppb	0.1937	73.4	7.2667
Na 330.237	657712xb	ppb	1095.51	0.2	39179.6
Ni 231.604	0.2709b	ppb	0.3919	144.7	3.9369
Pb 220.353	0.5374b	ppb	1.6737	311.4	0.1908
Sb 206.834	-0.2102b	ppb	1.4843	706.3	4.7402
Se 196.026	2.9345b	ppb	5.4568	186.0	9.2168
Sn 189.925	-1.5962b	ppb	4.1107	257.5	-5.9982
Sr 216.596	658.932b	ppb	1.1609	0.2	4774.07
Ti 334.941	0.7140b	ppb	0.0382	5.4	116.767
Tl 190.794	-3.3847b	ppb	1.0586	31.3	-8.7483
V 292.401	0.2574b	ppb	0.1315	51.1	5.4589
Zn 206.200	0.3561b	ppb	1.1639	326.8	2.5021

680-104994-d-1-a (Samp) **9/10/2014, 6:03:26 PM** **Rack 2, Tube 21**

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

Label	Replicates Concentration		
Ag 328.068	0.1305	0.3489	-0.2946u
Al 308.215	56.8679	56.4692	58.4072
As 188.980	-7.2047u	-2.8137u	0.3161
B 249.678	92.2182	91.9137	91.3722
Ba 389.178	30.1486	29.5578	30.8473
Be 313.042	-0.1084u	-0.1067u	-0.1042u
Ca 370.602	29304	29324	29283
Cd 226.502	0.2660	0.2794	0.1370
Co 228.615	7.0711	6.9032	6.7790
Cr 267.716	1.1835	0.9855	1.1544
Cu 324.754	118.199	118.240	118.451
Fe 271.441	838.757	827.260	818.495
K 766.491	44600.1x	44568.2x	44545.0x
Mg 279.078	13619.3	13632.7	13634.1
Mn 257.610	159.274	159.288	159.272
Mo 202.032	176.240	174.802	174.720
Na 330.237	53028.2	53110.5	52761.1
Ni 231.604	7.8156	9.3318	8.1884
Pb 220.353	2.6739	2.0168	0.6746
Sb 206.834	1.2046u	10.3001	4.5636
Se 196.026	3.4376	2.0777	9.6253
Sn 189.925	8.9469	-0.7656u	-0.8860u
Sr 216.596	148.114	146.862	145.250

Label	Replicates Concentration		
Ti 334.941	2.1720	2.0078	2.0788
Tl 190.794	-7.8903u	-1.2300u	1.7410
V 292.401	1.1856u	0.9658u	1.0660u
Zn 206.200	330.699	327.771	331.599

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	0.0616b	ppb	0.3273	531.3	-6.3322
Al 308.215	57.2481b	ppb	1.0234	1.8	675.919
As 188.980	-3.2341b	ppb	3.7780	116.8	-6.7392
B 249.678	91.8347b	ppb	0.4285	0.5	1292.34
Ba 389.178	30.1845b	ppb	0.6455	2.1	649.976
Be 313.042	-0.1064b	ppb	0.0021	2.0	-3344.66
Ca 370.602	29304b	ppb	20.49	0.1	108319
Cd 226.502	0.2275b	ppb	0.0787	34.6	27.2629
Co 228.615	6.9178b	ppb	0.1466	2.1	40.0095
Cr 267.716	1.1078b	ppb	0.1069	9.6	33.6970
Cu 324.754	118.297b	ppb	0.1352	0.1	5925.11
Fe 271.441	828.171b	ppb	10.1618	1.2	754.982
K 766.491	44571.1xb	ppb	27.7054	0.1	5700366
Mg 279.078	13628.7b	ppb	8.1971	0.1	28808.0
Mn 257.610	159.278b	ppb	0.0088	0.0	22116.5
Mo 202.032	175.254b	ppb	0.8549	0.5	975.667
Na 330.237	52966.6b	ppb	182.689	0.3	3205.70
Ni 231.604	8.4453b	ppb	0.7901	9.4	26.3524
Pb 220.353	1.7884b	ppb	1.0190	57.0	1.2841
Sb 206.834	5.3561b	ppb	4.5993	85.9	6.4792
Se 196.026	5.0469b	ppb	4.0229	79.7	10.1003
Sn 189.925	2.4318b	ppb	5.6426	232.0	-3.9432
Sr 216.596	146.742b	ppb	1.4358	1.0	1069.24
Ti 334.941	2.0862b	ppb	0.0823	3.9	677.022
Tl 190.794	-2.4598b	ppb	4.9320	200.5	-8.3331
V 292.401	1.0725b	ppb	0.1101	10.3	-5.5943
Zn 206.200	330.023b	ppb	2.0014	0.6	667.999

680-104994-a-2-a (Samp) **9/10/2014, 6:07:55 PM** **Rack 2, Tube 22**

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

Label	Replicates Concentration		
Ag 328.068	0.2723	0.1135	-0.3421u
Al 308.215	20.9968	22.0071	24.0478
As 188.980	-5.1413u	-7.2802u	-3.4032u
B 249.678	14.4791	14.6727	14.7330
Ba 389.178	34.8695	34.5140	34.4975
Be 313.042	-0.0982u	-0.0995u	-0.0953u
Ca 370.602	11990	12005	11984
Cd 226.502	-0.0459u	-0.0165u	-0.0210u
Co 228.615	0.2535	-0.0305u	0.1594
Cr 267.716	-0.1108u	0.0669	0.1762
Cu 324.754	33.0102	32.2093	32.2865
Fe 271.441	-3.3637u	-1.2026u	-7.5201u
K 766.491	1845.80	1848.14	1846.92
Mg 279.078	2400.53	2403.66	2403.60

Label	Replicates Concentration		
Mn 257.610	14.3726	14.4561	14.3148
Mo 202.032	0.4778	1.0161	0.8227
Na 330.237	32323.9	32682.4	32392.0
Ni 231.604	0.7651	1.2065	0.1145
Pb 220.353	1.6274	-0.7771u	1.3137
Sb 206.834	-2.5539u	0.6449	1.7440
Se 196.026	2.9867	4.5417	-8.2894u
Sn 189.925	-2.3742u	-1.3102u	1.7177
Sr 216.596	89.3799	89.9201	90.6421
Ti 334.941	0.1345	0.1300	0.1599
Tl 190.794	-4.7535u	3.8727	3.6067
V 292.401	0.6887	0.6122	0.5274
Zn 206.200	6.2293	6.5656	5.2538

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	0.0146	ppb	0.3189	2186.3	-8.8611
Al 308.215	22.3506	ppb	1.5542	7.0	467.328
As 188.980	-5.2749	ppb	1.9420	36.8	-7.7504
B 249.678	14.6283	ppb	0.1327	0.9	237.833
Ba 389.178	34.6270	ppb	0.2102	0.6	713.176
Be 313.042	-0.0977	ppb	0.0022	2.2	-3300.43
Ca 370.602	11993	ppb	10.92	0.1	44333
Cd 226.502	-0.0278	ppb	0.0158	56.9	17.5958
Co 228.615	0.1275	ppb	0.1447	113.5	-8.7894
Cr 267.716	0.0441	ppb	0.1449	328.5	6.1347
Cu 324.754	32.5020	ppb	0.4418	1.4	1786.73
Fe 271.441	-4.0288	ppb	3.2108	79.7	17.1363
K 766.491	1846.95	ppb	1.1731	0.1	237876
Mg 279.078	2402.60	ppb	1.7882	0.1	5098.68
Mn 257.610	14.3812	ppb	0.0710	0.5	2042.84
Mo 202.032	0.7722	ppb	0.2727	35.3	10.1255
Na 330.237	32466.1	ppb	190.407	0.6	1987.61
Ni 231.604	0.6954	ppb	0.5494	79.0	5.0802
Pb 220.353	0.7213	ppb	1.3071	181.2	0.3791
Sb 206.834	-0.0550	ppb	2.2328	4057.2	4.8585
Se 196.026	-0.2537	ppb	7.0024	2760.2	8.1546
Sn 189.925	-0.6556	ppb	2.1230	323.8	-5.6146
Sr 216.596	89.9807	ppb	0.6333	0.7	656.249
Ti 334.941	0.1415	ppb	0.0161	11.4	-28.0956
Tl 190.794	0.9087	ppb	4.9054	539.8	-6.5904
V 292.401	0.6094	ppb	0.0806	13.2	21.5108
Zn 206.200	6.0162	ppb	0.6814	11.3	13.9170

680-104960-c-2-a (Samp) **9/10/2014, 6:12:24 PM** **Rack 2, Tube 23**

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

Label	Replicates Concentration		
Ag 328.068	0.1390	0.0935	-0.2026u
Al 308.215	90.4292	87.4700	90.0438
As 188.980	2.1535	-6.3176u	2.2355
B 249.678	66.7094	66.8311	66.9337
Ba 389.178	25.9316	26.1000	26.3246

Label	Replicates Concentration		
Be 313.042	-0.1597u	-0.1591u	-0.1703u
Ca 370.602	12983	12992	12976
Cd 226.502	-0.1173u	-0.0303u	0.0685
Co 228.615	1.2095	0.8201	1.4765
Cr 267.716	57.1613	57.7078	57.3737
Cu 324.754	66.4286	66.5722	66.9595
Fe 271.441	205.727	222.341	209.427
K 766.491	8904.58	8904.40	8899.85
Mg 279.078	2005.32	2014.30	1998.00
Mn 257.610	16.8029	16.7527	16.7768
Mo 202.032	1.1866	2.2418	2.2438
Na 330.237	313730x	314759x	314650x
Ni 231.604	5.7912	7.0358	6.7962
Pb 220.353	2.3580	2.9899	5.1290
Sb 206.834	117.401	124.806	124.003
Se 196.026	143.140	140.118	153.670
Sn 189.925	-2.8447u	-2.3188u	-2.5821u
Sr 216.596	62.7819	64.9108	63.3256
Ti 334.941	1.5517	1.5125	1.4891
Tl 190.794	6.1820	0.7195	-9.7079u
V 292.401	1.7862	2.0714	1.8063
Zn 206.200	321.951	323.576	323.152

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	0.0100b	ppb	0.1855	1861.1	-9.0670
Al 308.215	89.3143b	ppb	1.6088	1.8	846.868
As 188.980	-0.6429b	ppb	4.9146	764.5	-5.5342
B 249.678	66.8248b	ppb	0.1122	0.2	952.444
Ba 389.178	26.1187b	ppb	0.1972	0.8	533.854
Be 313.042	-0.1631b	ppb	0.0063	3.8	-3489.05
Ca 370.602	12983b	ppb	7.938	0.1	47993
Cd 226.502	-0.0264b	ppb	0.0930	352.7	17.1470
Co 228.615	1.1687b	ppb	0.3301	28.2	-0.7949
Cr 267.716	57.4143b	ppb	0.2755	0.5	1485.55
Cu 324.754	66.6535b	ppb	0.2746	0.4	3438.38
Fe 271.441	212.498b	ppb	8.7222	4.1	208.819
K 766.491	8902.94b	ppb	2.6812	0.0	1140019
Mg 279.078	2005.87b	ppb	8.1604	0.4	4260.30
Mn 257.610	16.7775b	ppb	0.0251	0.1	2371.18
Mo 202.032	1.8907b	ppb	0.6098	32.3	16.2965
Na 330.237	314379xb	ppb	565.261	0.2	18755.9
Ni 231.604	6.5411b	ppb	0.6604	10.1	21.1113
Pb 220.353	3.4923b	ppb	1.4522	41.6	3.1438
Sb 206.834	122.070b	ppb	4.0633	3.3	108.430
Se 196.026	145.643b	ppb	7.1139	4.9	58.4045
Sn 189.925	-2.5819b	ppb	0.2630	10.2	-6.5989
Sr 216.596	63.6728b	ppb	1.1061	1.7	465.953
Ti 334.941	1.5178b	ppb	0.0317	2.1	430.769
Tl 190.794	-0.9355b	ppb	8.0732	863.0	-7.5149
V 292.401	1.8880b	ppb	0.1592	8.4	56.3350
Zn 206.200	322.893b	ppb	0.8429	0.3	653.454

680-104960-c-2-b ms (Samp) **9/10/2014, 6:16:53 PM** **Rack 2, Tube 24**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Replicates Concentration		
Ag 328.068	-0.3080u	-0.4744u	0.1596
Al 308.215	4671.27	4664.88	4654.57
As 188.980	93.6159	90.2485	93.1166
B 249.678	240.098	239.643	240.110
Ba 389.178	112.716	112.056	112.421
Be 313.042	45.7062	45.7054	45.5847
Ca 370.602	17009	17011	16958
Cd 226.502	43.8452	44.6323	44.1293
Co 228.615	45.6790	44.9942	45.4912
Cr 267.716	147.375	147.518	147.080
Cu 324.754	158.093	158.441	157.894
Fe 271.441	4617.45	4605.93	4594.23
K 766.491	14255.2	14254.8	14236.8
Mg 279.078	6200.97	6206.27	6170.77
Mn 257.610	480.049	480.464	478.986
Mo 202.032	91.2983	91.6680	90.8947
Na 330.237	310005x	309775x	309765x
Ni 231.604	96.0507	97.3152	95.0687
Pb 220.353	47.3216	43.8330	46.1936
Sb 206.834	166.206	165.293	160.068
Se 196.026	228.130	234.081	230.933
Sn 189.925	171.879	170.050	178.080
Sr 216.596	150.724	152.491	149.629
Ti 334.941	91.1221	91.1106	90.7581
Tl 190.794	28.8139	39.9942	26.4215
V 292.401	92.7081	92.6448	92.2715
Zn 206.200	398.818	400.737	400.954

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.2076b	ppb	0.3287	158.3	-18.2440
Al 308.215	4663.57b	ppb	8.4248	0.2	26774.8
As 188.980	92.3270b	ppb	1.8172	2.0	38.9619
B 249.678	239.950b	ppb	0.2663	0.1	3315.50
Ba 389.178	112.398b	ppb	0.3308	0.3	2365.32
Be 313.042	45.6655b	ppb	0.0699	0.2	104246
Ca 370.602	16993b	ppb	30.34	0.2	62773
Cd 226.502	44.2022b	ppb	0.3986	0.9	1321.53
Co 228.615	45.3881b	ppb	0.3538	0.8	338.109
Cr 267.716	147.325b	ppb	0.2238	0.2	3799.68
Cu 324.754	158.142b	ppb	0.2770	0.2	7860.44
Fe 271.441	4605.87b	ppb	11.6105	0.3	4105.21
K 766.491	14248.9b	ppb	10.5028	0.1	1823528
Mg 279.078	6192.67b	ppb	19.1506	0.3	13094.4
Mn 257.610	479.833b	ppb	0.7626	0.2	66345.6
Mo 202.032	91.2870b	ppb	0.3868	0.4	510.623
Na 330.237	309848xb	ppb	135.895	0.0	18482.7
Ni 231.604	96.1448b	ppb	1.1262	1.2	266.871
Pb 220.353	45.7828b	ppb	1.7802	3.9	44.6995
Sb 206.834	163.856b	ppb	3.3122	2.0	142.809
Se 196.026	231.048b	ppb	2.9771	1.3	87.9594

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Sn 189.925	173.336b	ppb	4.2085	2.4	88.4034
Sr 216.596	150.948b	ppb	1.4439	1.0	1097.85
Ti 334.941	90.9969b	ppb	0.2069	0.2	31867.4
Tl 190.794	31.7432b	ppb	7.2450	22.8	8.6426
V 292.401	92.5415b	ppb	0.2359	0.3	2952.38
Zn 206.200	400.170b	ppb	1.1757	0.3	809.331

Cont Calib Verif (CCV) **9/10/2014, 6:21:21 PM** **Rack 2, Tube 25**

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

Label	Replicates Concentration		
Ag 328.068	495.017	494.082	493.758
Al 308.215	4848.67	4837.03	4841.19
As 188.980	471.979	470.062	477.199
B 249.678	497.648	498.186	498.847
Ba 389.178	4902.44	4886.70	4896.92
Be 313.042	488.994	490.320	489.892
Ca 370.602	4904	4892	4896
Cd 226.502	487.204	486.089	486.693
Co 228.615	489.696	486.640	489.666
Cr 267.716	4892.25	4888.48	4889.71
Cu 324.754	4942.41	4864.32	4901.98
Fe 271.441	4844.54	4845.20	4848.72
K 766.491	9855.99	9818.81	9847.67
Mg 279.078	4885.62	4848.51	4863.38
Mn 257.610	4978.84	4973.46	4981.16
Mo 202.032	491.945	489.366	491.394
Na 330.237	7034.98	7079.41	6978.47
Ni 231.604	2479.68	2472.36	2471.72
Pb 220.353	485.243	481.577	486.981
Sb 206.834	916.562	923.346	923.866
Se 196.026	4900.42	4843.29	4879.92
Sn 189.925	4865.55	4861.52	4874.26
Sr 216.596	2451.90	2442.53	2441.83
Ti 334.941	483.894	482.183	483.328
Tl 190.794	4999.31	4979.87	4978.95
V 292.401	4886.25	4871.88	4881.38
Zn 206.200	2454.36	2447.55	2442.95

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Ag 328.068	494.286	ppb	0.6540	0.1	23722.3	98.85718
Al 308.215	4842.30	ppb	5.8985	0.1	28057.5	96.84598
As 188.980	473.080	ppb	3.6940	0.8	221.329	94.61597
B 249.678	498.227	ppb	0.6008	0.1	6854.56	99.64540
Ba 389.178	4895.35	ppb	7.9876	0.2	102849	97.90701
Be 313.042	489.735	ppb	0.6768	0.1	1149455	97.94707
Ca 370.602	4897	ppb	6.417	0.1	18139	97.94578
Cd 226.502	486.662	ppb	0.5580	0.1	14256.7	97.33237
Co 228.615	488.667	ppb	1.7559	0.4	3735.34	97.73343
Cr 267.716	4890.15	ppb	1.9235	0.0	125869	97.80297
Cu 324.754	4902.90	ppb	39.0558	0.8	237405	98.05804
Fe 271.441	4846.15	ppb	2.2498	0.0	4364.94	96.92309

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
K 766.491	9840.83	ppb	19.5122	0.2	1259932	98.40825
Mg 279.078	4865.84	ppb	18.6764	0.4	10291.4	97.31674
Mn 257.610	4977.82	ppb	3.9517	0.1	687443	99.55642
Mo 202.032	490.902	ppb	1.3579	0.3	2720.01	98.18034
Na 330.237	7030.96	ppb	50.5936	0.7	457.345	93.74607
Ni 231.604	2474.59	ppb	4.4245	0.2	6786.10	98.98354
Pb 220.353	484.600	ppb	2.7590	0.6	480.827	96.92006
Sb 206.834	921.258	ppb	4.0754	0.4	806.544	92.12580
Se 196.026	4874.54	ppb	28.9378	0.6	1687.58	97.49086
Sn 189.925	4867.11	ppb	6.5120	0.1	2623.17	97.34217
Sr 216.596	2445.42	ppb	5.6233	0.2	17627.2	97.81668
Ti 334.941	483.135	ppb	0.8718	0.2	169616	96.62705
Tl 190.794	4986.05	ppb	11.4997	0.2	2474.25	99.72091
V 292.401	4879.83	ppb	7.3069	0.1	156781	97.59669
Zn 206.200	2448.29	ppb	5.7389	0.2	4932.24	97.93143

Cont Calib Blank (CCB) **9/10/2014, 6:25:50 PM** **Rack 2, Tube 26**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Replicates	Concentration	
Ag 328.068	0.1904	-0.0090u	-0.5645u
Al 308.215	3.2693	2.2968	3.7403
As 188.980	7.0205	7.0383	6.6786
B 249.678	6.2065	5.0512	4.7880
Ba 389.178	0.1485	-0.3318u	0.6508
Be 313.042	-0.0326u	-0.0560u	-0.0484u
Ca 370.602	1.107	2.738	2.985
Cd 226.502	0.1924	-0.0236u	0.0571
Co 228.615	0.2479	-0.3190u	1.0580
Cr 267.716	0.3111	0.0483	-0.0060u
Cu 324.754	0.4723	0.4169	-0.1803u
Fe 271.441	6.8773	2.3704	-0.2689u
K 766.491	0.1074	-0.0284u	0.1430
Mg 279.078	-1.7820u	3.5935	-0.2554u
Mn 257.610	0.0879	0.0073	-0.0753u
Mo 202.032	0.3736	0.4585	0.9204
Na 330.237	141.384	18.7680	77.3895
Ni 231.604	1.7045	0.1085	0.8579
Pb 220.353	1.5505	1.0452	-2.2298u
Sb 206.834	2.3237	-0.3819u	3.0416
Se 196.026	0.9233	5.6371	2.2566
Sn 189.925	2.3858	1.4550	3.7886
Sr 216.596	0.7780	-0.0302u	0.1341
Ti 334.941	0.0898	0.0836	0.1079
Tl 190.794	0.6292	0.0464	2.1282
V 292.401	0.5825	0.1710	0.5527
Zn 206.200	-0.2863u	-0.2926u	-0.6467u

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Ag 328.068	-0.1277	ppb	0.3912	306.3	-15.6988	-0.12771
Al 308.215	3.1021	ppb	0.7361	23.7	358.235	3.10214
As 188.980	6.9125	ppb	0.2027	2.9	-1.9160	6.91248

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
B 249.678	5.3486	ppb	0.7545	14.1	111.067	5.34857
Ba 389.178	0.1558	ppb	0.4914	315.3	-16.9854	0.15583
Be 313.042	-0.0457	ppb	0.0119	26.1	-3178.98	-0.04569
Ca 370.602	2.276	ppb	1.020	44.8	5.382	2.27648
Cd 226.502	0.0753	ppb	0.1091	144.9	20.7217	0.07531
Co 228.615	0.3290	ppb	0.6921	210.4	-7.2421	0.32897
Cr 267.716	0.1178	ppb	0.1696	144.0	7.7707	0.11781
Cu 324.754	0.2363	ppb	0.3618	153.1	236.928	0.23630
Fe 271.441	2.9929	ppb	3.6135	120.7	23.3542	2.99294
K 766.491	0.0740	ppb	0.0905	122.3	1743.62	0.07398
Mg 279.078	0.5187	ppb	2.7701	534.0	25.1538	0.51871
Mn 257.610	0.0066	ppb	0.0816	1229.3	44.3148	0.00664
Mo 202.032	0.5842	ppb	0.2943	50.4	9.0845	0.58416
Na 330.237	79.1804	ppb	61.3274	77.5	61.1254	79.18043
Ni 231.604	0.8903	ppb	0.7985	89.7	5.6146	0.89030
Pb 220.353	0.1220	ppb	2.0523	1682.4	-0.2132	0.12198
Sb 206.834	1.6611	ppb	1.8054	108.7	6.3131	1.66112
Se 196.026	2.9390	ppb	2.4299	82.7	9.1904	2.93899
Sn 189.925	2.5431	ppb	1.1748	46.2	-3.8936	2.54312
Sr 216.596	0.2940	ppb	0.4271	145.3	4.3254	0.29398
Ti 334.941	0.0938	ppb	0.0126	13.5	-47.2127	0.09377
Tl 190.794	0.9346	ppb	1.0739	114.9	-6.5799	0.93462
V 292.401	0.4354	ppb	0.2295	52.7	16.1677	0.43538
Zn 206.200	-0.4085	ppb	0.2063	50.5	0.9473	-0.40854

680-104960-c-2-c msd (Samp) **9/10/2014, 6:30:18 PM** **Rack 2, Tube 27**

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

Label	Replicates Concentration		
Ag 328.068	50.4612	50.7967	50.3344
Al 308.215	5219.35	5227.60	5215.15
As 188.980	106.080	100.527	106.490
B 249.678	258.625	259.991	260.078
Ba 389.178	122.507	122.769	122.070
Be 313.042	51.2284	51.2048	51.1230
Ca 370.602	17148	17139	17113
Cd 226.502	49.4298	49.3279	49.4850
Co 228.615	51.3442	50.7805	50.2828
Cr 267.716	156.509	156.589	155.316
Cu 324.754	168.299	167.609	167.126
Fe 271.441	5121.90	5131.13	5113.08
K 766.491	14626.3	14640.4	14624.5
Mg 279.078	6674.25	6666.65	6664.34
Mn 257.610	536.287	536.220	534.786
Mo 202.032	101.831	102.272	101.271
Na 330.237	299344x	300399x	299461x
Ni 231.604	104.871	105.512	106.600
Pb 220.353	46.9125	53.0364	52.7440
Sb 206.834	167.015	163.711	161.218
Se 196.026	244.996	245.161	242.003
Sn 189.925	192.383	195.424	195.295
Sr 216.596	158.068	159.560	159.575

Label	Replicates Concentration		
Ti 334.941	101.498	101.527	101.286
Tl 190.794	34.9790	36.3487	38.1282
V 292.401	103.569	103.873	102.967
Zn 206.200	401.239	403.902	401.397

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	50.5308b	ppb	0.2389	0.5	2415.02
Al 308.215	5220.70b	ppb	6.3378	0.1	29932.7
As 188.980	104.366b	ppb	3.3303	3.2	44.7237
B 249.678	259.565b	ppb	0.8146	0.3	3583.14
Ba 389.178	122.449b	ppb	0.3531	0.3	2578.67
Be 313.042	51.1854b	ppb	0.0553	0.1	117223
Ca 370.602	17133b	ppb	17.95	0.1	63287
Cd 226.502	49.4142b	ppb	0.0797	0.2	1475.31
Co 228.615	50.8025b	ppb	0.5311	1.0	379.606
Cr 267.716	156.138b	ppb	0.7126	0.5	4026.42
Cu 324.754	167.678b	ppb	0.5898	0.4	8321.57
Fe 271.441	5122.04b	ppb	9.0291	0.2	4563.02
K 766.491	14630.4b	ppb	8.6636	0.1	1872302
Mg 279.078	6668.41b	ppb	5.1852	0.1	14098.2
Mn 257.610	535.765b	ppb	0.8479	0.2	74072.8
Mo 202.032	101.791b	ppb	0.5016	0.5	568.706
Na 330.237	299735xb	ppb	578.420	0.2	17880.7
Ni 231.604	105.661b	ppb	0.8743	0.8	292.973
Pb 220.353	50.8976b	ppb	3.4543	6.8	49.7245
Sb 206.834	163.981b	ppb	2.9082	1.8	142.793
Se 196.026	244.054b	ppb	1.7777	0.7	92.4538
Sn 189.925	194.367b	ppb	1.7197	0.9	99.7589
Sr 216.596	159.067b	ppb	0.8659	0.5	1156.60
Ti 334.941	101.437b	ppb	0.1314	0.1	35536.2
Tl 190.794	36.4853b	ppb	1.5790	4.3	10.9895
V 292.401	103.470b	ppb	0.4610	0.4	3301.76
Zn 206.200	402.179b	ppb	1.4940	0.4	813.378

mb 680-348035/1-a (Samp) **9/10/2014, 6:34:46 PM** **Rack 2, Tube 28**

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

Label	Replicates Concentration		
Ag 328.068	-0.2239u	-0.1468u	0.1122
Al 308.215	10.5581	7.1009	9.5501
As 188.980	-1.7637u	3.0873	1.7676
B 249.678	4.1681	3.4072	3.3023
Ba 389.178	-0.6685u	-0.6325u	-0.2748u
Be 313.042	-0.0719u	-0.0718u	-0.0706u
Ca 370.602	23.14	19.54	19.65
Cd 226.502	-0.2623u	0.2461	0.0125
Co 228.615	-0.0035u	0.2372	0.3228
Cr 267.716	0.5763	0.4803	0.5195
Cu 324.754	0.1043	0.3621	0.2191
Fe 271.441	8.4656	10.8524	9.4075
K 766.491	9.6194	9.4494	9.5867
Mg 279.078	8.3885	12.5179	10.6009

Label	Replicates Concentration		
Mn 257.610	-0.0266u	-0.0568u	-0.0351u
Mo 202.032	0.5561	-0.0043u	-0.3522u
Na 330.237	113.251	118.522	75.2401
Ni 231.604	1.9051	1.4627	-0.1045u
Pb 220.353	3.4943	2.2614	2.5356
Sb 206.834	3.9022	0.7231	1.5389
Se 196.026	-8.6233u	-5.4355u	0.3682
Sn 189.925	10.3689	3.8651	11.2535
Sr 216.596	0.0338	-0.5374u	-0.0885u
Ti 334.941	0.2499	0.2210	0.2314
Tl 190.794	2.6682	1.5632	-5.1056u
V 292.401	0.0544	-0.0067u	0.0021
Zn 206.200	1.4021	1.6819	0.4640

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.0862	ppb	0.1761	204.3	-13.7090
Al 308.215	9.0697	ppb	1.7780	19.6	392.004
As 188.980	1.0304	ppb	2.5081	243.4	-4.7321
B 249.678	3.6258	ppb	0.4725	13.0	87.5122
Ba 389.178	-0.5253	ppb	0.2177	41.4	-31.2529
Be 313.042	-0.0714	ppb	0.0007	1.0	-3239.45
Ca 370.602	20.78	ppb	2.050	9.9	73.67
Cd 226.502	-0.0012	ppb	0.2545	20529.8	18.5101
Co 228.615	0.1855	ppb	0.1692	91.2	-8.3304
Cr 267.716	0.5253	ppb	0.0482	9.2	18.2665
Cu 324.754	0.2285	ppb	0.1291	56.5	236.525
Fe 271.441	9.5752	ppb	1.2022	12.6	29.1919
K 766.491	9.5518	ppb	0.0902	0.9	2955.41
Mg 279.078	10.5025	ppb	2.0665	19.7	46.2205
Mn 257.610	-0.0395	ppb	0.0156	39.4	38.0183
Mo 202.032	0.0665	ppb	0.4582	688.7	6.2192
Na 330.237	102.337	ppb	23.6146	23.1	62.4897
Ni 231.604	1.0877	ppb	1.0560	97.1	6.1562
Pb 220.353	2.7638	ppb	0.6473	23.4	2.4018
Sb 206.834	2.0547	ppb	1.6511	80.4	6.6563
Se 196.026	-4.5636	ppb	4.5587	99.9	6.6070
Sn 189.925	8.4959	ppb	4.0346	47.5	-0.6788
Sr 216.596	-0.1974	ppb	0.3007	152.4	0.7854
Ti 334.941	0.2341	ppb	0.0146	6.2	2.0876
Tl 190.794	-0.2914	ppb	4.2057	1443.3	-7.1894
V 292.401	0.0166	ppb	0.0330	199.1	2.7748
Zn 206.200	1.1827	ppb	0.6379	53.9	4.1588

lcs 680-348035/2-a (Samp) **9/10/2014, 6:39:14 PM** **Rack 2, Tube 29**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Replicates Concentration		
Ag 328.068	51.1373	51.2459	50.8016
Al 308.215	4827.90	4835.36	4805.22
As 188.980	93.1983	93.7012	104.788
B 249.678	188.512	189.033	189.559
Ba 389.178	97.7992	98.1752	96.5056

Label	Replicates Concentration		
Be 313.042	49.2790	49.3544	49.1668
Ca 370.602	4801	4809	4796
Cd 226.502	49.2469	48.8370	49.1661
Co 228.615	49.4671	48.9322	48.4946
Cr 267.716	99.6012	100.070	99.4347
Cu 324.754	99.5909	99.2980	98.9798
Fe 271.441	4875.18	4911.49	4853.63
K 766.491	4908.80	4917.63	4901.01
Mg 279.078	4803.82	4811.73	4783.68
Mn 257.610	512.188	512.989	510.721
Mo 202.032	97.9383	97.4313	95.9636
Na 330.237	4716.70	4830.65	4755.35
Ni 231.604	99.3095	100.066	97.9565
Pb 220.353	53.6017	46.9927	50.9331
Sb 206.834	47.5691	43.4472	50.0529
Se 196.026	95.7429	97.0042	89.2871
Sn 189.925	203.807	207.494	207.055
Sr 216.596	96.4308	97.2239	96.4113
Ti 334.941	98.6100	98.5666	98.2085
Tl 190.794	41.2001	40.8322	43.3321
V 292.401	98.6570	98.9716	98.1692
Zn 206.200	100.116	99.2051	99.6158

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	51.0616	ppb	0.2317	0.5	2440.42
Al 308.215	4822.83	ppb	15.7009	0.3	27677.8
As 188.980	97.2291	ppb	6.5508	6.7	41.3080
B 249.678	189.034	ppb	0.5237	0.3	2618.07
Ba 389.178	97.4933	ppb	0.8758	0.9	2049.26
Be 313.042	49.2667	ppb	0.0944	0.2	112745
Ca 370.602	4802	ppb	6.524	0.1	17702
Cd 226.502	49.0833	ppb	0.2172	0.4	1466.08
Co 228.615	48.9646	ppb	0.4870	1.0	365.543
Cr 267.716	99.7020	ppb	0.3295	0.3	2570.97
Cu 324.754	99.2896	ppb	0.3056	0.3	5024.11
Fe 271.441	4880.10	ppb	29.2400	0.6	4348.70
K 766.491	4909.15	ppb	8.3157	0.2	629393
Mg 279.078	4799.75	ppb	14.4641	0.3	10151.8
Mn 257.610	511.966	ppb	1.1500	0.2	70776.3
Mo 202.032	97.1111	ppb	1.0255	1.1	542.829
Na 330.237	4767.56	ppb	57.9503	1.2	335.877
Ni 231.604	99.1108	ppb	1.0688	1.1	275.010
Pb 220.353	50.5092	ppb	3.3248	6.6	49.3362
Sb 206.834	47.0231	ppb	3.3366	7.1	43.6537
Se 196.026	94.0114	ppb	4.1397	4.4	40.7145
Sn 189.925	206.119	ppb	2.0139	1.0	106.046
Sr 216.596	96.6887	ppb	0.4636	0.5	702.399
Ti 334.941	98.4617	ppb	0.2204	0.2	34512.0
Tl 190.794	41.7881	ppb	1.3497	3.2	13.6311
V 292.401	98.5993	ppb	0.4043	0.4	3152.02
Zn 206.200	99.6455	ppb	0.4561	0.5	202.791

lcsd 680-348035/3-a (Samp) **9/10/2014, 6:43:42 PM** **Rack 2, Tube 30**

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

Label	Replicates Concentration		
Ag 328.068	53.4802	53.0282	52.9989
Al 308.215	5068.35	5076.22	5066.48
As 188.980	104.496	106.170	103.662
B 249.678	200.718	200.156	198.862
Ba 389.178	102.945	103.084	101.575
Be 313.042	51.9102	51.9896	51.7964
Ca 370.602	5064	5069	5052
Cd 226.502	51.4892	51.7243	51.3426
Co 228.615	51.8680	51.7371	51.9005
Cr 267.716	105.022	104.869	105.249
Cu 324.754	105.319	105.499	105.052
Fe 271.441	5104.61	5128.69	5117.18
K 766.491	5154.83	5153.05	5137.82
Mg 279.078	5034.45	5041.37	5035.29
Mn 257.610	538.260	539.133	537.626
Mo 202.032	103.605	103.315	103.039
Na 330.237	5147.07	4982.51	5018.12
Ni 231.604	103.897	105.980	104.191
Pb 220.353	56.6785	56.3100	53.0809
Sb 206.834	50.9483	48.7922	46.5219
Se 196.026	100.485	103.915	105.727
Sn 189.925	217.228	217.313	208.765
Sr 216.596	102.240	102.200	100.137
Ti 334.941	103.605	103.676	103.588
Tl 190.794	39.7162	40.8791	38.9427
V 292.401	103.762	103.454	103.927
Zn 206.200	145.234	146.821	145.825

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	53.1691	ppb	0.2698	0.5	2541.55
Al 308.215	5070.35	ppb	5.1708	0.1	29080.9
As 188.980	104.776	ppb	1.2775	1.2	44.9208
B 249.678	199.912	ppb	0.9518	0.5	2766.57
Ba 389.178	102.535	ppb	0.8337	0.8	2156.21
Be 313.042	51.8988	ppb	0.0971	0.2	118932
Ca 370.602	5062	ppb	8.844	0.2	18661
Cd 226.502	51.5187	ppb	0.1926	0.4	1537.88
Co 228.615	51.8352	ppb	0.0865	0.2	387.520
Cr 267.716	105.047	ppb	0.1910	0.2	2708.54
Cu 324.754	105.290	ppb	0.2249	0.2	5314.17
Fe 271.441	5116.83	ppb	12.0432	0.2	4558.69
K 766.491	5148.57	ppb	9.3504	0.2	660004
Mg 279.078	5037.04	ppb	3.7740	0.1	10652.5
Mn 257.610	538.340	ppb	0.7568	0.1	74419.9
Mo 202.032	103.320	ppb	0.2830	0.3	577.167
Na 330.237	5049.24	ppb	86.5799	1.7	352.307
Ni 231.604	104.690	ppb	1.1276	1.1	290.310
Pb 220.353	55.3565	ppb	1.9793	3.6	54.1166
Sb 206.834	48.7541	ppb	2.2135	4.5	45.0446
Se 196.026	103.376	ppb	2.6621	2.6	43.9472

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Sn 189.925	214.436	ppb	4.9108	2.3	110.538
Sr 216.596	101.526	ppb	1.2026	1.2	737.394
Ti 334.941	103.623	ppb	0.0467	0.0	36325.3
Tl 190.794	39.8460	ppb	0.9747	2.4	12.6621
V 292.401	103.714	ppb	0.2399	0.2	3315.14
Zn 206.200	145.960	ppb	0.8023	0.5	296.278

680-105043-a-1-a (Samp) **9/10/2014, 6:48:10 PM** **Rack 2, Tube 31**

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

Label	Replicates Concentration		
Ag 328.068	1.3040	1.0011	1.3480
Al 308.215	7352.01	7383.04	7373.69
As 188.980	11.0904	11.2243	8.6319
B 249.678	25.1423	24.3513	24.0506
Ba 389.178	8847.12	8876.22	8872.11
Be 313.042	0.5352	0.5246	0.5248
Ca 370.602	2754	2766	2772
Cd 226.502	494.864	496.198	496.299
Co 228.615	3.0905	3.6838	3.3240
Cr 267.716	17382.0x	17454.5x	17418.4x
Cu 324.754	1028.44	1038.80	1032.58
Fe 271.441	11484.9	11497.1	11463.5
K 766.491	3927.66	3949.98	3935.74
Mg 279.078	922.810	931.262	931.095
Mn 257.610	131.471	132.117	131.838
Mo 202.032	2.0025	1.5761	0.8945
Na 330.237	-437370u	-428030u	-430949u
Ni 231.604	8.3140	7.8583	8.5071
Pb 220.353	71832.8x	72065.1x	71932.9x
Sb 206.834	58.0391	41.5707	55.8747
Se 196.026	2.3990	-8.4579u	17.4383
Sn 189.925	21.0254	16.9365	24.1629
Sr 216.596	133.691	135.386	135.349
Ti 334.941	576.803	578.502	573.653
Tl 190.794	2.8723	0.5124u	1.4994
V 292.401	18.7849u	18.0354u	18.3973u
Zn 206.200	479306x	479888x	480581x

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	1.2177b	ppb	0.1888	15.5	55.1752
Al 308.215	7369.58b	ppb	15.9199	0.2	42095.7
As 188.980	10.3155b	ppb	1.4596	14.1	-0.3689
B 249.678	24.5147b	ppb	0.5639	2.3	366.512
Ba 389.178	8865.15b	ppb	15.7506	0.2	186237
Be 313.042	0.5282b	ppb	0.0061	1.2	-1918.41
Ca 370.602	2764b	ppb	9.006	0.3	10182
Cd 226.502	495.787b	ppb	0.8006	0.2	14538.4
Co 228.615	3.3661b	ppb	0.2989	8.9	25.1936
Cr 267.716	17418.3xb	ppb	36.2774	0.2	448476
Cu 324.754	1033.27b	ppb	5.2125	0.5	50213.0
Fe 271.441	11481.8b	ppb	17.0086	0.1	10117.5

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
K 766.491	3937.79b	ppb	11.2972	0.3	505200
Mg 279.078	928.389b	ppb	4.8323	0.5	1961.83
Mn 257.610	131.809b	ppb	0.3240	0.2	18272.5
Mo 202.032	1.4911b	ppb	0.5589	37.5	13.1632
Na 330.237	-432117b	ppb	4778.42	1.1	-27091.8
Ni 231.604	8.2265b	ppb	0.3331	4.0	26.6220
Pb 220.353	71943.6xb	ppb	116.541	0.2	71217.2
Sb 206.834	51.8282b	ppb	8.9489	17.3	160.006
Se 196.026	3.7931b	ppb	13.0042	342.8	9.6699
Sn 189.925	20.7083b	ppb	3.6236	17.5	6.0672
Sr 216.596	134.809b	ppb	0.9683	0.7	986.434
Ti 334.941	576.319b	ppb	2.4604	0.4	202273
Tl 190.794	1.6280b	ppb	1.1852	72.8	-6.6794
V 292.401	18.4059b	ppb	0.3748	2.0	-586.888
Zn 206.200	479925xb	ppb	638.558	0.1	968776

680-105043-a-1-a (Samp) **9/10/2014, 6:52:38 PM** **Rack 2, Tube 32**

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

Label	Replicates Concentration		
Ag 328.068	0.1046	-0.0136	-0.0389u
Al 308.215	1406.19	1408.05	1401.55
As 188.980	2.5552	3.7606	10.5562
B 249.678	6.2748	6.1988	5.4114
Ba 389.178	1747.33	1752.86	1744.18
Be 313.042	0.0190	0.0255	0.0500
Ca 370.602	552.3	557.8	552.8
Cd 226.502	99.9594	99.7871	99.2717
Co 228.615	1.1950	1.0892	0.7238
Cr 267.716	3416.86	3422.18	3410.78
Cu 324.754	197.730	198.494	197.998
Fe 271.441	2304.01	2289.32	2275.12
K 766.491	720.312	722.795	718.712
Mg 279.078	189.835	189.893	187.748
Mn 257.610	25.8702	25.9032	25.6956
Mo 202.032	0.2662	-0.8292u	-1.1066u
Na 330.237	-69199.8u	-72874.3u	-67640.8u
Ni 231.604	-0.0320	0.5199	2.0992
Pb 220.353	14378.4	14428.9	14408.0
Sb 206.834	26.2334	26.5776	19.4017
Se 196.026	-2.6558u	-17.7610u	-3.5056u
Sn 189.925	3.3862	5.4901	5.5802
Sr 216.596	26.6543	27.0407	26.2114
Ti 334.941	111.929	111.115	111.005
Tl 190.794	1.0462	6.3795	-0.1030u
V 292.401	3.4702u	3.5934u	3.5455u
Zn 206.200	295031x	294502x	294539x

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	0.0174b	ppb	0.0766	441.4	-7.4975
Al 308.215	1405.27b	ppb	3.3484	0.2	8302.61
As 188.980	5.6240b	ppb	4.3138	76.7	-2.5496

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
B 249.678	5.9616b	ppb	0.4781	8.0	118.305
Ba 389.178	1748.12b	ppb	4.3916	0.3	36707.9
Be 313.042	0.0315b	ppb	0.0163	51.8	-2997.85
Ca 370.602	554.3b	ppb	3.010	0.5	2038
Cd 226.502	99.6727b	ppb	0.3578	0.4	2937.61
Co 228.615	1.0027b	ppb	0.2472	24.7	-0.2807
Cr 267.716	3416.61b	ppb	5.7064	0.2	87970.7
Cu 324.754	198.074b	ppb	0.3875	0.2	9807.81
Fe 271.441	2289.48b	ppb	14.4462	0.6	2034.20
K 766.491	720.606b	ppb	2.0574	0.3	93867.2
Mg 279.078	189.159b	ppb	1.2218	0.6	418.959
Mn 257.610	25.8230b	ppb	0.1116	0.4	3614.89
Mo 202.032	-0.5565b	ppb	0.7259	130.4	2.5834
Na 330.237	-69905.0b	ppb	2687.06	3.8	-4974.51
Ni 231.604	0.8624b	ppb	1.1061	128.3	5.9119
Pb 220.353	14405.1b	ppb	25.3697	0.2	14259.3
Sb 206.834	24.0709b	ppb	4.0473	16.8	47.1366
Se 196.026	-7.9742b	ppb	8.4863	106.4	5.4693
Sn 189.925	4.8188b	ppb	1.2415	25.8	-2.6366
Sr 216.596	26.6355b	ppb	0.4150	1.6	196.749
Ti 334.941	111.350b	ppb	0.5048	0.5	39016.8
Tl 190.794	2.4409b	ppb	3.4590	141.7	-5.9205
V 292.401	3.5364b	ppb	0.0621	1.8	-115.761
Zn 206.200	294691xb	ppb	295.105	0.1	594881

680-105043-a-1-a (Samp) **9/10/2014, 6:57:07 PM** **Rack 2, Tube 33**

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

Label	Replicates Concentration		
Ag 328.068	54.3133	54.1467	54.5118
Al 308.215	9542.95	9490.26	9528.92
As 188.980	221.320	225.503	222.198
B 249.678	545.986	547.287	549.917
Ba 389.178	9004.95	8963.38	9005.98
Be 313.042	54.7874	54.5551	54.8455
Ca 370.602	4728	4709	4733
Cd 226.502	545.959	543.455	545.524
Co 228.615	217.060	215.987	218.630
Cr 267.716	17464.4x	17401.7x	17478.5x
Cu 324.754	1245.69	1243.14	1246.01
Fe 271.441	13469.8	13404.6	13465.4
K 766.491	6236.08	6209.45	6224.14
Mg 279.078	3077.80	3054.83	3075.08
Mn 257.610	355.873	354.604	355.757
Mo 202.032	213.961	215.648	215.252
Na 330.237	-425838u	-425127u	-424481u
Ni 231.604	219.052	222.626	221.047
Pb 220.353	71442.8x	71125.9x	71430.9x
Sb 206.834	245.134	244.999	263.123
Se 196.026	219.850	207.580	220.628
Sn 189.925	232.764	229.139	243.271
Sr 216.596	348.638	348.781	349.077

Label	Replicates Concentration		
Ti 334.941	793.993	792.173	798.934
Tl 190.794	218.623	207.199	208.953
V 292.401	231.446	231.294	232.137
Zn 206.200	480519x	480638x	483113x

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	54.3239b	ppb	0.1828	0.3	2602.68
Al 308.215	9520.71b	ppb	27.2892	0.3	54308.2
As 188.980	223.007b	ppb	2.2057	1.0	101.487
B 249.678	547.730b	ppb	2.0024	0.4	7516.84
Ba 389.178	8991.44b	ppb	24.3016	0.3	188900
Be 313.042	54.7293b	ppb	0.1537	0.3	125516
Ca 370.602	4723b	ppb	12.28	0.3	17445
Cd 226.502	544.980b	ppb	1.3378	0.2	15981.6
Co 228.615	217.226b	ppb	1.3291	0.6	1664.33
Cr 267.716	17448.2xb	ppb	40.8870	0.2	449244
Cu 324.754	1244.95b	ppb	1.5749	0.1	60450.7
Fe 271.441	13446.6b	ppb	36.4632	0.3	11874.4
K 766.491	6223.22b	ppb	13.3368	0.2	797404
Mg 279.078	3069.24b	ppb	12.5474	0.4	6479.51
Mn 257.610	355.411b	ppb	0.7013	0.2	49165.3
Mo 202.032	214.954b	ppb	0.8821	0.4	1194.24
Na 330.237	-425149b	ppb	678.690	0.2	-26685.2
Ni 231.604	220.908b	ppb	1.7912	0.8	609.648
Pb 220.353	71333.2xb	ppb	179.626	0.3	70612.6
Sb 206.834	251.085b	ppb	10.4252	4.2	325.158
Se 196.026	216.019b	ppb	7.3188	3.4	82.8215
Sn 189.925	235.058b	ppb	7.3399	3.1	121.823
Sr 216.596	348.832b	ppb	0.2241	0.1	2528.52
Ti 334.941	795.034b	ppb	3.4987	0.4	279095
Tl 190.794	211.592b	ppb	6.1521	2.9	97.8404
V 292.401	231.626b	ppb	0.4491	0.2	6231.04
Zn 206.200	481423xb	ppb	1464.35	0.3	971800

CRI (Samp) **9/10/2014, 7:01:35 PM** **Rack 2, Tube 34**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Replicates Concentration		
Ag 328.068	10.2160	10.5245	9.3289
Al 308.215	206.460	201.860	204.523
As 188.980	23.8340	20.9289	18.9773
B 249.678	103.749	103.216	102.979
Ba 389.178	9.5038	9.6278	10.3248
Be 313.042	3.9574	3.9570	3.9564
Ca 370.602	495.7	488.9	492.6
Cd 226.502	4.8094	5.0027	4.9351
Co 228.615	10.3076	9.7324	9.9141
Cr 267.716	11.1736	11.2451	10.6911
Cu 324.754	20.8408	20.7877	20.5596
Fe 271.441	49.0011	45.3443	57.5281
K 766.491	1021.23	1017.88	1022.99
Mg 279.078	496.274	499.551	503.352

Label	Replicates Concentration		
Mn 257.610	10.1878	10.2207	10.2289
Mo 202.032	10.2531	9.7101	10.3995
Na 330.237	968.238	1023.73	1003.99
Ni 231.604	40.6698	41.9588	41.2687
Pb 220.353	16.9890	18.3971	11.9743
Sb 206.834	20.7864	19.2283	20.0593
Se 196.026	15.6149	16.3516	16.4905
Sn 189.925	52.4788	51.8137	54.3866
Sr 216.596	10.3622	9.2642	9.0902
Ti 334.941	10.1114	10.0949	10.1657
Tl 190.794	28.5010	28.4971	26.0555
V 292.401	10.0418	9.9876	9.9235
Zn 206.200	227.510	192.020	165.118

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	10.0231	ppb	0.6207	6.2	471.118
Al 308.215	204.281	ppb	2.3097	1.1	1499.21
As 188.980	21.2467	ppb	2.4439	11.5	4.9480
B 249.678	103.315	ppb	0.3941	0.4	1449.82
Ba 389.178	9.8188	ppb	0.4426	4.5	187.394
Be 313.042	3.9569	ppb	0.0005	0.0	6230.66
Ca 370.602	492.4	ppb	3.398	0.7	1819
Cd 226.502	4.9157	ppb	0.0981	2.0	162.342
Co 228.615	9.9847	ppb	0.2941	2.9	66.7661
Cr 267.716	11.0366	ppb	0.3014	2.7	288.820
Cu 324.754	20.7294	ppb	0.1494	0.7	1227.98
Fe 271.441	50.6245	ppb	6.2520	12.3	66.2540
K 766.491	1020.70	ppb	2.5973	0.3	132236
Mg 279.078	499.726	ppb	3.5423	0.7	1079.44
Mn 257.610	10.2125	ppb	0.0218	0.2	1456.53
Mo 202.032	10.1209	ppb	0.3632	3.6	61.8541
Na 330.237	998.652	ppb	28.1282	2.8	115.060
Ni 231.604	41.2991	ppb	0.6450	1.6	116.376
Pb 220.353	15.7868	ppb	3.3759	21.4	15.2748
Sb 206.834	20.0247	ppb	0.7796	3.9	21.7416
Se 196.026	16.1523	ppb	0.4706	2.9	13.7452
Sn 189.925	52.8930	ppb	1.3355	2.5	23.2976
Sr 216.596	9.5722	ppb	0.6897	7.2	70.2566
Ti 334.941	10.1240	ppb	0.0370	0.4	3476.55
Tl 190.794	27.6845	ppb	1.4108	5.1	6.7207
V 292.401	9.9843	ppb	0.0592	0.6	320.909
Zn 206.200	194.883	ppb	31.2948	16.1	395.153

mb 680-347829/1-a (Samp) **9/10/2014, 7:06:04 PM** **Rack 2, Tube 35**

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

Label	Replicates Concentration		
Ag 328.068	-0.0239u	0.1917	-0.5340u
Al 308.215	7.8321	9.2011	6.3029
As 188.980	-4.4864u	-6.0310u	1.7535
B 249.678	3.2223	3.4262	2.7097
Ba 389.178	-0.0077u	0.0844	-0.0615u

Label	Replicates Concentration		
Be 313.042	-0.0898u	-0.0777u	-0.0596u
Ca 370.602	21.14	27.88	17.59
Cd 226.502	-0.1249u	0.1437	-0.2845u
Co 228.615	0.5149	0.8318	-0.1638u
Cr 267.716	0.7819	0.7356	0.8862
Cu 324.754	0.4334	0.2772	0.2934
Fe 271.441	14.0072	3.5788	11.7754
K 766.491	6.5828	6.9997	6.2354
Mg 279.078	2.6534	2.5000	1.0001
Mn 257.610	-0.0307u	-0.0570u	-0.0659u
Mo 202.032	-0.1075u	-0.4626u	-0.3065u
Na 330.237	260.320	63.8062	87.4784
Ni 231.604	0.7364	-0.5065u	0.4011
Pb 220.353	1.9300	4.6668	4.3390
Sb 206.834	0.4034	2.2341	0.8424
Se 196.026	-8.8402u	-0.2332u	-5.3891u
Sn 189.925	3.1942	10.1338	9.4067
Sr 216.596	-0.1605u	0.4085	-0.0459u
Ti 334.941	0.2258	0.2152	0.2002
Tl 190.794	-3.0333u	6.0643	1.4055
V 292.401	0.3901	-0.0146u	0.2701
Zn 206.200	66.0554	68.5527	76.0360

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.1221	ppb	0.3727	305.3	-15.4290
Al 308.215	7.7787	ppb	1.4498	18.6	384.678
As 188.980	-2.9213	ppb	4.1215	141.1	-6.6240
B 249.678	3.1194	ppb	0.3692	11.8	80.5966
Ba 389.178	0.0050	ppb	0.0738	1462.0	-20.1366
Be 313.042	-0.0757	ppb	0.0152	20.1	-3249.49
Ca 370.602	22.20	ppb	5.226	23.5	78.96
Cd 226.502	-0.0886	ppb	0.2164	244.3	15.9521
Co 228.615	0.3943	ppb	0.5086	129.0	-6.7224
Cr 267.716	0.8013	ppb	0.0771	9.6	25.3683
Cu 324.754	0.3347	ppb	0.0859	25.7	241.651
Fe 271.441	9.7871	ppb	5.4912	56.1	29.3861
K 766.491	6.6060	ppb	0.3827	5.8	2578.77
Mg 279.078	2.0512	ppb	0.9135	44.5	28.3740
Mn 257.610	-0.0512	ppb	0.0183	35.7	36.3536
Mo 202.032	-0.2922	ppb	0.1780	60.9	4.2338
Na 330.237	137.201	ppb	107.279	78.2	64.3608
Ni 231.604	0.2103	ppb	0.6430	305.8	3.7511
Pb 220.353	3.6453	ppb	1.4945	41.0	3.2747
Sb 206.834	1.1600	ppb	0.9557	82.4	5.9079
Se 196.026	-4.8208	ppb	4.3315	89.9	6.5184
Sn 189.925	7.5782	ppb	3.8140	50.3	-1.1744
Sr 216.596	0.0674	ppb	0.3009	446.7	2.7315
Ti 334.941	0.2137	ppb	0.0129	6.0	-5.0851
Tl 190.794	1.4789	ppb	4.5492	307.6	-6.3094
V 292.401	0.2152	ppb	0.2079	96.6	9.2514
Zn 206.200	70.2147	ppb	5.1937	7.4	143.512

lcs 680-347829/2-a (Samp) **9/10/2014, 7:10:33 PM** **Rack 2, Tube 36**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Replicates Concentration		
Ag 328.068	51.4952	52.2364	51.7911
Al 308.215	4850.78	4863.28	4866.82
As 188.980	102.193	101.274	98.6779
B 249.678	188.826	190.463	192.141
Ba 389.178	97.8676	98.4894	98.2116
Be 313.042	49.6098	49.7915	49.7516
Ca 370.602	4846	4857	4853
Cd 226.502	49.4979	49.6775	50.0568
Co 228.615	49.8500	51.0622	49.8009
Cr 267.716	99.9477	100.741	100.614
Cu 324.754	100.408	100.282	100.571
Fe 271.441	4899.90	4909.32	4903.53
K 766.491	4965.08	4973.31	4976.52
Mg 279.078	4825.94	4830.85	4833.15
Mn 257.610	515.982	517.271	517.393
Mo 202.032	99.1378	98.6698	100.226
Na 330.237	4863.45	4720.82	4895.99
Ni 231.604	99.6960	98.4897	98.4203
Pb 220.353	52.0176	53.9837	52.7137
Sb 206.834	48.2897	47.8333	46.6787
Se 196.026	99.4101	87.4216	100.932
Sn 189.925	205.145	214.620	209.413
Sr 216.596	97.0221	97.7319	98.3972
Ti 334.941	99.1171	99.3741	99.4090
Tl 190.794	43.8363	41.6330	35.5530
V 292.401	99.4693	99.5798	99.3847
Zn 206.200	118.642	120.799	119.861

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	51.8409	ppb	0.3731	0.7	2477.80
Al 308.215	4860.29	ppb	8.4276	0.2	27890.3
As 188.980	100.715	ppb	1.8228	1.8	42.9769
B 249.678	190.477	ppb	1.6571	0.9	2637.77
Ba 389.178	98.1896	ppb	0.3115	0.3	2064.03
Be 313.042	49.7176	ppb	0.0955	0.2	113805
Ca 370.602	4852	ppb	5.207	0.1	17887
Cd 226.502	49.7440	ppb	0.2853	0.6	1485.48
Co 228.615	50.2377	ppb	0.7145	1.4	375.275
Cr 267.716	100.434	ppb	0.4260	0.4	2589.82
Cu 324.754	100.420	ppb	0.1450	0.1	5078.80
Fe 271.441	4904.25	ppb	4.7508	0.1	4370.15
K 766.491	4971.64	ppb	5.9000	0.1	637383
Mg 279.078	4829.98	ppb	3.6798	0.1	10215.6
Mn 257.610	516.882	ppb	0.7818	0.2	71455.2
Mo 202.032	99.3445	ppb	0.7984	0.8	555.186
Na 330.237	4826.75	ppb	93.1751	1.9	339.313
Ni 231.604	98.8687	ppb	0.7173	0.7	274.348
Pb 220.353	52.9050	ppb	0.9969	1.9	51.7039
Sb 206.834	47.6006	ppb	0.8303	1.7	44.1093
Se 196.026	95.9211	ppb	7.4000	7.7	41.3734

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Sn 189.925	209.726	ppb	4.7453	2.3	107.995
Sr 216.596	97.7171	ppb	0.6876	0.7	709.867
Ti 334.941	99.3001	ppb	0.1594	0.2	34806.5
Tl 190.794	40.3407	ppb	4.2902	10.6	12.9114
V 292.401	99.4779	ppb	0.0979	0.1	3179.80
Zn 206.200	119.767	ppb	1.0814	0.9	243.409

Cont Calib Verif (CCV) **9/10/2014, 7:15:02 PM** **Rack 2, Tube 37**

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

Label	Replicates Concentration		
Ag 328.068	499.602	496.022	497.282
Al 308.215	4869.34	4860.65	4856.89
As 188.980	478.142	478.732	472.150
B 249.678	498.202	499.362	499.515
Ba 389.178	4920.14	4911.42	4908.50
Be 313.042	490.893	492.665	490.779
Ca 370.602	4915	4917	4919
Cd 226.502	489.539	488.524	487.854
Co 228.615	489.664	491.094	489.822
Cr 267.716	4914.31	4912.52	4901.28
Cu 324.754	4919.55	4890.76	4951.83
Fe 271.441	4868.03	4848.23	4859.02
K 766.491	9886.54	9880.85	9881.23
Mg 279.078	4903.22	4888.58	4890.55
Mn 257.610	4995.99	4988.59	4986.69
Mo 202.032	492.067	490.630	492.458
Na 330.237	7231.01	7098.85	6987.63
Ni 231.604	2484.24	2484.43	2489.53
Pb 220.353	488.558	495.296	495.564
Sb 206.834	930.458	930.279	929.051
Se 196.026	4885.64	4902.74	4905.94
Sn 189.925	4901.08	4864.55	4887.32
Sr 216.596	2458.15	2455.02	2454.43
Ti 334.941	484.440	483.966	483.861
Tl 190.794	5041.74	5034.44	5024.33
V 292.401	4899.64	4892.91	4892.88
Zn 206.200	2471.86	2479.10	2462.17

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Ag 328.068	497.635	ppb	1.8159	0.4	23883.1	99.52702
Al 308.215	4862.29	ppb	6.3851	0.1	28171.9	97.24583
As 188.980	476.342	ppb	3.6420	0.8	222.891	95.26832
B 249.678	499.026	ppb	0.7181	0.1	6865.61	99.80520
Ba 389.178	4913.36	ppb	6.0536	0.1	103227	98.26712
Be 313.042	491.446	ppb	1.0575	0.2	1153481	98.28911
Ca 370.602	4917	ppb	1.724	0.0	18212	98.34039
Cd 226.502	488.639	ppb	0.8482	0.2	14314.5	97.72778
Co 228.615	490.193	ppb	0.7842	0.2	3747.05	98.03867
Cr 267.716	4909.37	ppb	7.0634	0.1	126364	98.18739
Cu 324.754	4920.71	ppb	30.5475	0.6	238267	98.41430
Fe 271.441	4858.43	ppb	9.9128	0.2	4375.99	97.16859

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
K 766.491	9882.87	ppb	3.1793	0.0	1265308	98.82872
Mg 279.078	4894.12	ppb	7.9459	0.2	10351.1	97.88233
Mn 257.610	4990.42	ppb	4.9113	0.1	689183	99.80842
Mo 202.032	491.718	ppb	0.9626	0.2	2724.52	98.34368
Na 330.237	7105.83	ppb	121.844	1.7	461.690	94.74438
Ni 231.604	2486.07	ppb	2.9984	0.1	6817.56	99.44266
Pb 220.353	493.140	ppb	3.9696	0.8	489.289	98.62791
Sb 206.834	929.929	ppb	0.7657	0.1	814.019	92.99293
Se 196.026	4898.11	ppb	10.9184	0.2	1695.70	97.96215
Sn 189.925	4884.32	ppb	18.4519	0.4	2632.46	97.68634
Sr 216.596	2455.87	ppb	1.9957	0.1	17702.5	98.23465
Ti 334.941	484.089	ppb	0.3085	0.1	169951	96.81778
Tl 190.794	5033.50	ppb	8.7409	0.2	2497.84	100.67002
V 292.401	4895.14	ppb	3.8963	0.1	157272	97.90282
Zn 206.200	2471.04	ppb	8.4962	0.3	4978.12	98.84176

Cont Calib Blank (CCB) **9/10/2014, 7:19:30 PM** **Rack 2, Tube 38**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Replicates		Concentration
Ag 328.068	-0.2458u	0.2371	0.0115
Al 308.215	4.2951	3.5578	4.5704
As 188.980	-3.8638u	-3.6708u	-3.3565u
B 249.678	6.0880	6.1236	4.7707
Ba 389.178	-0.1389u	-0.8191u	-0.0191u
Be 313.042	-0.0632u	-0.0841u	-0.0743u
Ca 370.602	2.621	2.479	-5.720u
Cd 226.502	-0.0695u	-0.0913u	-0.0827u
Co 228.615	0.4469	0.4991	-0.2323u
Cr 267.716	0.3915	0.0950	0.2269
Cu 324.754	0.2109	0.1465	0.6580
Fe 271.441	1.2805	6.4500	-0.4101u
K 766.491	-0.1681u	0.1436	-0.2933u
Mg 279.078	2.6903	-0.1241u	5.5505
Mn 257.610	0.0207	-0.0080u	-0.0180u
Mo 202.032	0.9588	0.3990	0.4311
Na 330.237	131.421	6.3249	107.879
Ni 231.604	0.2194	1.8242	1.0657
Pb 220.353	3.4520	0.5772	1.2026
Sb 206.834	3.1199	2.0629	4.0037
Se 196.026	7.3367	0.5932	-0.6509u
Sn 189.925	5.0111	2.2441	-2.8133u
Sr 216.596	0.2138	0.3452	0.0642
Ti 334.941	0.0984	0.1108	0.1366
Tl 190.794	2.6345	3.8784	4.3533
V 292.401	0.6965	0.2713	0.4592
Zn 206.200	1.3618	1.3574	1.4806

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Ag 328.068	0.0009	ppb	0.2416	26292.5	-9.5304	0.00092
Al 308.215	4.1411	ppb	0.5236	12.6	364.130	4.14111
As 188.980	-3.6304	ppb	0.2560	7.1	-6.9632	-3.63035

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
B 249.678	5.6608	ppb	0.7710	13.6	115.362	5.66079
Ba 389.178	-0.3257	ppb	0.4315	132.5	-27.0935	-0.32575
Be 313.042	-0.0739	ppb	0.0105	14.2	-3245.23	-0.07389
Ca 370.602	-0.2064	ppb	4.775	2313.2	-3.819	-0.20643
Cd 226.502	-0.0812	ppb	0.0110	13.5	16.1523	-0.08117
Co 228.615	0.2379	ppb	0.4081	171.5	-7.9404	0.23790
Cr 267.716	0.2378	ppb	0.1485	62.4	10.8590	0.23782
Cu 324.754	0.3385	ppb	0.2786	82.3	241.872	0.33846
Fe 271.441	2.4401	ppb	3.5740	146.5	22.8620	2.44015
K 766.491	-0.1059	ppb	0.2250	212.4	1720.62	-0.10594
Mg 279.078	2.7056	ppb	2.8374	104.9	29.7692	2.70557
Mn 257.610	-0.0018	ppb	0.0201	1142.5	43.1707	-0.00176
Mo 202.032	0.5963	ppb	0.3143	52.7	9.1514	0.59629
Na 330.237	81.8752	ppb	66.4789	81.2	61.2794	81.87522
Ni 231.604	1.0364	ppb	0.8028	77.5	6.0152	1.03644
Pb 220.353	1.7439	ppb	1.5119	86.7	1.3922	1.74393
Sb 206.834	3.0622	ppb	0.9717	31.7	7.4974	3.06216
Se 196.026	2.4263	ppb	4.2978	177.1	9.0138	2.42633
Sn 189.925	1.4806	ppb	3.9677	268.0	-4.4674	1.48064
Sr 216.596	0.2078	ppb	0.1406	67.7	3.7012	0.20775
Ti 334.941	0.1153	ppb	0.0195	16.9	-39.6444	0.11529
Tl 190.794	3.6221	ppb	0.8876	24.5	-5.2447	3.62206
V 292.401	0.4756	ppb	0.2131	44.8	17.4586	0.47565
Zn 206.200	1.3999	ppb	0.0699	5.0	4.5979	1.39991

680-104968-b-14-a (Samp) **9/10/2014, 7:23:58 PM** **Rack 2, Tube 39**

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

Label	Replicates Concentration		
Ag 328.068	-3.1718u	-3.7001u	-3.1607u
Al 308.215	187807	187881	188069
As 188.980	309.773	311.932	288.287
B 249.678	25.2778u	22.7267u	25.7774u
Ba 389.178	2110.69	2111.85	2110.40
Be 313.042	23.8051	23.7985	23.7988
Ca 370.602	25395	25384	25399
Cd 226.502	6.7370	6.4238	6.8922
Co 228.615	230.600	232.491	229.689
Cr 267.716	1140.16	1141.86	1140.17
Cu 324.754	225.269	225.627	224.935
Fe 271.441	891525	895167	891870
K 766.491	5093.53	5094.10	5087.72
Mg 279.078	9095.66	9089.08	9096.73
Mn 257.610	26635.5	26690.0	26682.9
Mo 202.032	17.7816	19.2087	18.0306
Na 330.237	1213.57u	1211.72u	1480.90u
Ni 231.604	111.069	116.850	112.651
Pb 220.353	1062.14	1049.02	1041.69
Sb 206.834	13.3910	28.9802	27.7933
Se 196.026	0.6761	-2.9235	-16.8104
Sn 189.925	141.893	137.436	135.673
Sr 216.596	218.015	217.408	217.241

Label	Replicates Concentration		
Ti 334.941	1237.81	1238.33	1237.64
Tl 190.794	12.2246u	-2.0178u	6.4437u
V 292.401	1538.17	1539.40	1538.01
Zn 206.200	1254.52	1245.60	1255.48

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-3.3442b	ppb	0.3083	9.2	-163.788
Al 308.215	187919b	ppb	135.491	0.1	1065169
As 188.980	303.331b	ppb	13.0728	4.3	133.504
B 249.678	24.5940b	ppb	1.6363	6.7	-242.214
Ba 389.178	2110.98b	ppb	0.7657	0.0	45999.4
Be 313.042	23.8008b	ppb	0.0037	0.0	53362.8
Ca 370.602	25393b	ppb	8.076	0.0	81462
Cd 226.502	6.6843b	ppb	0.2386	3.6	2563.17
Co 228.615	230.927b	ppb	1.4294	0.6	1821.08
Cr 267.716	1140.73b	ppb	0.9800	0.1	29362.5
Cu 324.754	225.277b	ppb	0.3461	0.2	11060.3
Fe 271.441	892854b	ppb	2010.30	0.2	791224
K 766.491	5091.78b	ppb	3.5358	0.1	652744
Mg 279.078	9093.82b	ppb	4.1388	0.0	17408.1
Mn 257.610	26669.4b	ppb	29.6431	0.1	3684727
Mo 202.032	18.3403b	ppb	0.7623	4.2	31.7030
Na 330.237	1302.06b	ppb	154.880	11.9	-300.631
Ni 231.604	113.523b	ppb	2.9878	2.6	346.588
Pb 220.353	1050.95b	ppb	10.3632	1.0	1022.44
Sb 206.834	23.3882b	ppb	8.6781	37.1	31.9180
Se 196.026	-6.3526b	ppb	9.2338	145.4	21.9447
Sn 189.925	138.334b	ppb	3.2058	2.3	69.4375
Sr 216.596	217.555b	ppb	0.4073	0.2	2198.83
Ti 334.941	1237.93b	ppb	0.3581	0.0	434860
Tl 190.794	5.5502b	ppb	7.1631	129.1	-37.8800
V 292.401	1538.52b	ppb	0.7598	0.0	49885.8
Zn 206.200	1251.87b	ppb	5.4459	0.4	2546.16

680-104968-b-14-aSD (Samp) **9/10/2014, 7:28:27 PM** **Rack 2, Tube 40**

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

Label	Replicates Concentration		
Ag 328.068	-1.1925u	-1.2635u	-1.0347u
Al 308.215	43598.3	42857.1	42094.3
As 188.980	73.0449	67.5216	71.0713
B 249.678	6.3356u	7.3438u	6.7462u
Ba 389.178	500.100	490.959	483.510
Be 313.042	5.6401	5.5385	5.4289
Ca 370.602	6134	6051	5975
Cd 226.502	0.5934	0.3344	-0.2489
Co 228.615	56.2241	55.8731	53.9036
Cr 267.716	270.376	265.378	261.191
Cu 324.754	51.6052	51.3883	50.0269
Fe 271.441	220157	216912	212905
K 766.491	1062.79	1042.14	1023.47
Mg 279.078	2251.09	2209.91	2178.04

Label	Replicates Concentration		
Mn 257.610	6800.73	6688.26	6585.80
Mo 202.032	5.0686	4.0595	4.4854
Na 330.237	425.252u	321.448u	476.553u
Ni 231.604	28.9145	28.6813	27.3451
Pb 220.353	257.784	251.528	246.991
Sb 206.834	9.9276	7.9058	10.4984
Se 196.026	-14.4141u	-8.5275	-7.2435
Sn 189.925	35.9011	36.4215	31.0915
Sr 216.596	51.7664	50.8814	47.1663
Ti 334.941	292.167	287.256	282.131
Tl 190.794	1.3380u	-6.0987u	-2.1445u
V 292.401	364.441	358.110	352.159
Zn 206.200	301.559	299.663	295.263

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-1.1636	ppb	0.1171	10.1	-63.1591
Al 308.215	42849.9	ppb	752.032	1.8	243147
As 188.980	70.5459	ppb	2.7989	4.0	26.9792
B 249.678	6.8085	ppb	0.5070	7.4	-18.0192
Ba 389.178	491.523	ppb	8.3094	1.7	10710.1
Be 313.042	5.5359	ppb	0.1056	1.9	10054.3
Ca 370.602	6053	ppb	79.41	1.3	19372
Cd 226.502	0.2263	ppb	0.4314	190.6	593.248
Co 228.615	55.3336	ppb	1.2508	2.3	428.877
Cr 267.716	265.648	ppb	4.5987	1.7	6841.45
Cu 324.754	51.0068	ppb	0.8555	1.7	2678.18
Fe 271.441	216658	ppb	3632.67	1.7	192012
K 766.491	1042.80	ppb	19.6665	1.9	135061
Mg 279.078	2213.01	ppb	36.6213	1.7	4257.31
Mn 257.610	6691.60	ppb	107.503	1.6	924544
Mo 202.032	4.5378	ppb	0.5066	11.2	12.6779
Na 330.237	407.751	ppb	79.0199	19.4	-24.1861
Ni 231.604	28.3137	ppb	0.8468	3.0	88.5789
Pb 220.353	252.101	ppb	5.4193	2.1	245.080
Sb 206.834	9.4439	ppb	1.3623	14.4	14.5780
Se 196.026	-10.0617	ppb	3.8236	38.0	8.6028
Sn 189.925	34.4714	ppb	2.9386	8.5	13.3487
Sr 216.596	49.9380	ppb	2.4408	4.9	514.046
Ti 334.941	287.185	ppb	5.0181	1.7	100822
Tl 190.794	-2.3017	ppb	3.7208	161.7	-16.2651
V 292.401	358.237	ppb	6.1420	1.7	11620.8
Zn 206.200	298.828	ppb	3.2302	1.1	609.212

680-104968-b-14-aPDS (Samp) **9/10/2014, 7:32:55 PM** **Rack 2, Tube 41**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Replicates Concentration		
Ag 328.068	34.6312	35.6543	32.9978
Al 308.215	187800	187653	188071
As 188.980	486.528	495.842	512.841
B 249.678	502.949	502.718	505.348
Ba 389.178	2288.67	2291.08	2290.88

Label	Replicates Concentration		
Be 313.042	74.1648	74.1945	74.2164
Ca 370.602	27003	26963	26999
Cd 226.502	55.5777	56.1380	56.4930
Co 228.615	423.378	428.265	424.392
Cr 267.716	1322.90	1322.61	1323.69
Cu 324.754	439.957	438.577	439.472
Fe 271.441	886369	885983	883856
K 766.491	7477.08	7490.48	7486.40
Mg 279.078	10947.9	10941.6	10969.7
Mn 257.610	26510.4	26556.4	26535.3
Mo 202.032	215.086	215.260	217.953
Na 330.237	3506.56u	3686.12u	3299.72u
Ni 231.604	311.128	305.039	313.036
Pb 220.353	1234.27	1236.31	1231.19
Sb 206.834	202.742	199.906	220.967
Se 196.026	178.752	161.927	188.481
Sn 189.925	347.170	337.632	338.946
Sr 216.596	412.379	409.343	411.546
Ti 334.941	1422.28	1422.75	1422.37
Tl 190.794	179.277	194.883	184.296
V 292.401	1719.19	1720.68	1722.39
Zn 206.200	1439.62	1442.19	1435.47

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	34.4278	ppb	1.3399	3.9	1648.13
Al 308.215	187841	ppb	212.027	0.1	1064750
As 188.980	498.404	ppb	13.3427	2.7	226.998
B 249.678	503.672	ppb	1.4563	0.3	6311.79
Ba 389.178	2290.21	ppb	1.3377	0.1	49754.5
Be 313.042	74.1919	ppb	0.0259	0.0	171832
Ca 370.602	26989	ppb	21.86	0.1	87524
Cd 226.502	56.0696	ppb	0.4615	0.8	3984.47
Co 228.615	425.345	ppb	2.5788	0.6	3310.42
Cr 267.716	1323.07	ppb	0.5557	0.0	34055.5
Cu 324.754	439.335	ppb	0.6999	0.2	21414.8
Fe 271.441	885403	ppb	1353.51	0.2	784634
K 766.491	7484.65	ppb	6.8684	0.1	958684
Mg 279.078	10953.1	ppb	14.7633	0.1	21352.4
Mn 257.610	26534.0	ppb	23.0670	0.1	3666019
Mo 202.032	216.100	ppb	1.6074	0.7	1126.77
Na 330.237	3497.47	ppb	193.362	5.5	-169.690
Ni 231.604	309.734	ppb	4.1766	1.3	884.090
Pb 220.353	1233.92	ppb	2.5735	0.2	1203.46
Sb 206.834	207.872	ppb	11.4294	5.5	185.654
Se 196.026	176.387	ppb	13.4340	7.6	84.7454
Sn 189.925	341.250	ppb	5.1692	1.5	179.021
Sr 216.596	411.089	ppb	1.5684	0.4	3585.96
Ti 334.941	1422.47	ppb	0.2454	0.0	499676
Tl 190.794	186.152	ppb	7.9667	4.3	52.4111
V 292.401	1720.75	ppb	1.6045	0.1	55695.5
Zn 206.200	1439.09	ppb	3.3882	0.2	2923.47

680-104968-b-14-b ms (Samp) **9/10/2014, 7:37:23 PM** **Rack 2, Tube 42**

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

Label	Replicates Concentration		
Ag 328.068	47.7989	46.0998	47.3749
Al 308.215	199475	199212	199330
As 188.980	369.912	370.542	378.482
B 249.678	154.996	156.484	154.190
Ba 389.178	1540.71	1539.52	1538.36
Be 313.042	70.3552	70.2852	70.2695
Ca 370.602	27982	27948	27957
Cd 226.502	51.6797	51.4912	51.0921
Co 228.615	225.581	229.711	226.920
Cr 267.716	1359.19	1355.28	1356.22
Cu 324.754	312.555	311.603	311.084
Fe 271.441	885026	885435	885696
K 766.491	10205.1	10187.7	10206.5
Mg 279.078	13376.6	13362.2	13354.8
Mn 257.610	20016.4	19957.3	20004.0
Mo 202.032	100.166	100.699	101.520
Na 330.237	6124.14u	6023.38u	6235.41u
Ni 231.604	205.980	205.350	201.779
Pb 220.353	897.636	896.862	908.008
Sb 206.834	41.1244	47.8296	32.5385
Se 196.026	57.9722	57.4213	67.8347
Sn 189.925	228.686	229.155	232.999
Sr 216.596	291.440	294.142	294.172
Ti 334.941	1266.29	1264.63	1265.85
Tl 190.794	27.8873u	39.0226u	37.5475u
V 292.401	1680.72	1679.96	1678.86
Zn 206.200	1248.95	1243.32	1241.87

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	47.0912	ppb	0.8843	1.9	2233.46
Al 308.215	199339	ppb	131.643	0.1	1129888
As 188.980	372.979	ppb	4.7760	1.3	166.910
B 249.678	155.223	ppb	1.1642	0.8	1546.98
Ba 389.178	1539.53	ppb	1.1763	0.1	33994.8
Be 313.042	70.3033	ppb	0.0456	0.1	162701
Ca 370.602	27962	ppb	17.67	0.1	91054
Cd 226.502	51.4210	ppb	0.3000	0.6	3855.01
Co 228.615	227.404	ppb	2.1070	0.9	1792.63
Cr 267.716	1356.90	ppb	2.0383	0.2	34927.0
Cu 324.754	311.747	ppb	0.7459	0.2	15241.2
Fe 271.441	885386	ppb	337.719	0.0	784606
K 766.491	10199.7	ppb	10.4789	0.1	1305820
Mg 279.078	13364.5	ppb	11.0880	0.1	26440.8
Mn 257.610	19992.6	ppb	31.1776	0.2	2762764
Mo 202.032	100.795	ppb	0.6825	0.7	488.463
Na 330.237	6127.64	ppb	106.057	1.7	-11.2602
Ni 231.604	204.370	ppb	2.2659	1.1	595.381
Pb 220.353	900.835	ppb	6.2236	0.7	873.483
Sb 206.834	40.4975	ppb	7.6648	18.9	46.3663
Se 196.026	61.0761	ppb	5.8596	9.6	44.1678

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Sn 189.925	230.280	ppb	2.3666	1.0	119.093
Sr 216.596	293.251	ppb	1.5684	0.5	2739.42
Ti 334.941	1265.59	ppb	0.8615	0.1	444584
Tl 190.794	34.8191	ppb	6.0483	17.4	-24.1354
V 292.401	1679.85	ppb	0.9343	0.1	54402.0
Zn 206.200	1244.71	ppb	3.7373	0.3	2531.05

680-104968-b-14-c ms (Samp) **9/10/2014, 7:41:52 PM** **Rack 2, Tube 43**

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

Label	Replicates Concentration		
Ag 328.068	46.4433	46.0046	44.9835
Al 308.215	205394	204738	204178
As 188.980	393.590	389.528	389.793
B 249.678	154.361	154.731	152.363
Ba 389.178	2110.71	2103.13	2096.35
Be 313.042	70.2747	70.1029	69.7872
Ca 370.602	30226	30154	30052
Cd 226.502	51.2197	51.4298	50.5705
Co 228.615	304.835	303.781	306.431
Cr 267.716	1077.69	1073.88	1070.29
Cu 324.754	330.745	328.712	327.139
Fe 271.441	836790	835290	835473
K 766.491	10916.5	10868.8	10846.1
Mg 279.078	14164.4	14099.7	14062.6
Mn 257.610	25428.5	25318.1	25269.3
Mo 202.032	101.602	99.7638	100.513
Na 330.237	6044.60u	6178.50u	6035.80u
Ni 231.604	214.688	215.694	210.445
Pb 220.353	1111.06	1104.25	1097.49
Sb 206.834	43.6538	43.9672	35.9400
Se 196.026	68.8171	66.7851	72.4344
Sn 189.925	242.372	248.875	244.128
Sr 216.596	308.108	306.492	304.235
Ti 334.941	1344.02	1339.52	1336.00
Tl 190.794	30.6636u	29.1269u	39.8652u
V 292.401	1541.21	1536.84	1532.33
Zn 206.200	1408.71	1399.92	1398.18

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	45.8105	ppb	0.7490	1.6	2194.28
Al 308.215	204770	ppb	608.390	0.3	1160652
As 188.980	390.970	ppb	2.2725	0.6	175.890
B 249.678	153.818	ppb	1.2736	0.8	1562.73
Ba 389.178	2103.40	ppb	7.1882	0.3	45748.5
Be 313.042	70.0550	ppb	0.2473	0.4	162072
Ca 370.602	30144	ppb	87.73	0.3	99854
Cd 226.502	51.0733	ppb	0.4480	0.9	3711.84
Co 228.615	305.016	ppb	1.3339	0.4	2386.50
Cr 267.716	1073.95	ppb	3.7002	0.3	27643.3
Cu 324.754	328.866	ppb	1.8078	0.5	16067.8
Fe 271.441	835851	ppb	818.208	0.1	740717

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
K 766.491	10877.1	ppb	35.8950	0.3	1392429
Mg 279.078	14108.9	ppb	51.5138	0.4	28116.2
Mn 257.610	25338.6	ppb	81.5513	0.3	3500867
Mo 202.032	100.626	ppb	0.9240	0.9	491.839
Na 330.237	6086.30	ppb	79.9674	1.3	7.8769
Ni 231.604	213.609	ppb	2.7861	1.3	618.886
Pb 220.353	1104.27	ppb	6.7854	0.6	1074.98
Sb 206.834	41.1870	ppb	4.5467	11.0	45.1231
Se 196.026	69.3456	ppb	2.8615	4.1	47.0843
Sn 189.925	245.125	ppb	3.3643	1.4	127.110
Sr 216.596	306.279	ppb	1.9451	0.6	2798.81
Ti 334.941	1339.85	ppb	4.0214	0.3	470659
Tl 190.794	33.2186	ppb	5.8072	17.5	-22.0876
V 292.401	1536.79	ppb	4.4413	0.3	49791.7
Zn 206.200	1402.27	ppb	5.6470	0.4	2848.67

680-104968-b-22-a (Samp) **9/10/2014, 7:46:20 PM** **Rack 2, Tube 44**

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

Label	Replicates Concentration		
Ag 328.068	0.0176u	0.3417	0.1783u
Al 308.215	76225.5	76417.3	76413.7
As 188.980	120.373	124.281	122.668
B 249.678	20.1993	20.4497	21.0094
Ba 389.178	590.053	592.434	590.557
Be 313.042	5.5042	5.5208	5.5132
Ca 370.602	19350	19404	19402
Cd 226.502	4.4169	4.5919	4.6468
Co 228.615	36.9360	37.9359	39.1781
Cr 267.716	201.426	201.013	202.455
Cu 324.754	256.157	258.103	255.678
Fe 271.441	254339	255210	255533
K 766.491	4467.21	4487.20	4490.93
Mg 279.078	4845.47	4851.83	4859.33
Mn 257.610	4000.47	4014.84	4020.65
Mo 202.032	7.9989	7.7566	6.7149
Na 330.237	915.682u	816.708u	1019.91u
Ni 231.604	91.8231	89.5618	88.4598
Pb 220.353	786.262	792.043	787.759
Sb 206.834	1.7434	10.0395	0.5389
Se 196.026	8.8011	-0.5926	-4.2084
Sn 189.925	50.0716	51.9493	52.9040
Sr 216.596	73.9226	73.3592	73.4642
Ti 334.941	952.579	954.980	954.560
Tl 190.794	5.9673u	-0.5352u	10.9706u
V 292.401	271.270	270.312	270.053
Zn 206.200	2363.23	2369.40	2365.77

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	0.1792	ppb	0.1620	90.4	-12.2157
Al 308.215	76352.2	ppb	109.680	0.1	432966
As 188.980	122.441	ppb	1.9639	1.6	51.5433

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
B 249.678	20.5528	ppb	0.4148	2.0	143.120
Ba 389.178	591.014	ppb	1.2546	0.2	12877.8
Be 313.042	5.5127	ppb	0.0083	0.2	9982.64
Ca 370.602	19386	ppb	30.51	0.2	68260
Cd 226.502	4.5519	ppb	0.1200	2.6	821.149
Co 228.615	38.0167	ppb	1.1232	3.0	307.876
Cr 267.716	201.631	ppb	0.7428	0.4	5194.13
Cu 324.754	256.646	ppb	1.2845	0.5	12604.8
Fe 271.441	255027	ppb	617.510	0.2	226011
K 766.491	4481.78	ppb	12.7551	0.3	574752
Mg 279.078	4852.21	ppb	6.9348	0.1	9752.92
Mn 257.610	4011.98	ppb	10.3896	0.3	554632
Mo 202.032	7.4901	ppb	0.6822	9.1	25.8184
Na 330.237	917.434	ppb	101.613	11.1	-28.5446
Ni 231.604	89.9482	ppb	1.7146	1.9	258.921
Pb 220.353	788.688	ppb	3.0004	0.4	774.156
Sb 206.834	4.1073	ppb	5.1727	125.9	9.6182
Se 196.026	1.3334	ppb	6.7152	503.6	12.7461
Sn 189.925	51.6417	ppb	1.4410	2.8	22.6215
Sr 216.596	73.5820	ppb	0.2996	0.4	712.893
Ti 334.941	954.039	ppb	1.2825	0.1	335046
Tl 190.794	5.4676	ppb	5.7691	105.5	-14.6988
V 292.401	270.545	ppb	0.6412	0.2	8824.02
Zn 206.200	2366.13	ppb	3.1039	0.1	4783.47

680-104968-b-23-a (Samp) **9/10/2014, 7:50:48 PM** **Rack 2, Tube 45**

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

Label	Replicates Concentration		
Ag 328.068	-0.6201u	-1.3902u	-0.9695u
Al 308.215	54879.5	54854.8	54840.9
As 188.980	81.8735	76.0797	82.8166
B 249.678	8.7716	8.6559	9.4962
Ba 389.178	338.479	338.323	337.446
Be 313.042	3.6999	3.7104	3.7157
Ca 370.602	6514	6511	6514
Cd 226.502	0.6710	1.1489	0.9233
Co 228.615	24.3556	24.7903	25.3689
Cr 267.716	111.289	110.852	111.631
Cu 324.754	88.4165	88.3717	87.9264
Fe 271.441	115677	115480	115570
K 766.491	1981.69	1979.94	1978.35
Mg 279.078	2379.70	2383.76	2383.85
Mn 257.610	2728.75	2728.01	2726.90
Mo 202.032	3.9304	4.3249	5.1492
Na 330.237	142.018u	402.209u	184.786u
Ni 231.604	44.2807	44.5473	44.6086
Pb 220.353	255.015	255.595	256.962
Sb 206.834	2.5519	3.2752	6.4239
Se 196.026	-8.9201u	-16.4973u	8.0680
Sn 189.925	17.1812	13.8519	14.5861
Sr 216.596	31.0492	30.2807	31.0679

Label	Replicates Concentration		
Ti 334.941	722.366	721.448	721.918
Tl 190.794	1.7028u	4.6463u	0.8292u
V 292.401	170.264	170.010	170.093
Zn 206.200	563.513	566.713	570.002

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.9933	ppb	0.3856	38.8	-59.3291
Al 308.215	54858.4	ppb	19.5635	0.0	311177
As 188.980	80.2566	ppb	3.6479	4.5	32.3608
B 249.678	8.9746	ppb	0.4555	5.1	81.1591
Ba 389.178	338.083	ppb	0.5573	0.2	7300.60
Be 313.042	3.7086	ppb	0.0080	0.2	5704.91
Ca 370.602	6513	ppb	1.786	0.0	22600
Cd 226.502	0.9144	ppb	0.2391	26.1	347.971
Co 228.615	24.8383	ppb	0.5084	2.0	196.843
Cr 267.716	111.257	ppb	0.3906	0.4	2868.05
Cu 324.754	88.2382	ppb	0.2710	0.3	4473.14
Fe 271.441	115576	ppb	98.3101	0.1	102438
K 766.491	1980.00	ppb	1.6719	0.1	254886
Mg 279.078	2382.44	ppb	2.3708	0.1	4821.15
Mn 257.610	2727.89	ppb	0.9322	0.0	376993
Mo 202.032	4.4682	ppb	0.6219	13.9	20.8445
Na 330.237	243.004	ppb	139.523	57.4	4.5700
Ni 231.604	44.4789	ppb	0.1743	0.4	129.257
Pb 220.353	255.857	ppb	0.9997	0.4	249.214
Sb 206.834	4.0837	ppb	2.0587	50.4	9.0343
Se 196.026	-5.7831	ppb	12.5795	217.5	8.1594
Sn 189.925	15.2064	ppb	1.7492	11.5	2.9450
Sr 216.596	30.7993	ppb	0.4492	1.5	305.037
Ti 334.941	721.911	ppb	0.4593	0.1	253492
Tl 190.794	2.3928	ppb	1.9999	83.6	-10.5167
V 292.401	170.122	ppb	0.1297	0.1	5532.92
Zn 206.200	566.743	ppb	3.2447	0.6	1148.16

680-104968-b-24-a (Samp) **9/10/2014, 7:55:16 PM** **Rack 2, Tube 46**

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

Label	Replicates Concentration		
Ag 328.068	-1.3662u	-1.0439u	-1.1903u
Al 308.215	54309.6	54288.3	54365.6
As 188.980	75.0854	73.2413	78.0605
B 249.678	7.8485	7.4942	8.5907
Ba 389.178	287.594	287.464	287.625
Be 313.042	3.4706	3.4658	3.4395
Ca 370.602	4911	4898	4900
Cd 226.502	0.3859	0.3016	0.0614
Co 228.615	26.3880	26.2839	26.8438
Cr 267.716	166.391	164.737	162.543
Cu 324.754	95.3228	95.4832	95.2863
Fe 271.441	128883	128764	128736
K 766.491	1916.13	1917.23	1918.29
Mg 279.078	2350.14	2355.54	2352.42

Label	Replicates Concentration		
Mn 257.610	2014.57	2015.17	2014.63
Mo 202.032	5.0254	5.9662	5.4284
Na 330.237	94.6732u	371.298u	399.793u
Ni 231.604	111.234	112.803	111.223
Pb 220.353	120.633	119.528	111.307
Sb 206.834	-2.6234u	0.2761	3.5785
Se 196.026	0.0578	-2.8858	7.9821
Sn 189.925	15.5264	11.2316	13.2692
Sr 216.596	24.8383	24.3446	23.9221
Ti 334.941	695.467	695.225	695.152
Tl 190.794	3.3594u	0.3949u	-7.1883u
V 292.401	186.006	186.859	186.324
Zn 206.200	491.457	492.477	490.413

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-1.2001	ppb	0.1614	13.4	-72.8410
Al 308.215	54321.2	ppb	39.9253	0.1	308134
As 188.980	75.4624	ppb	2.4316	3.2	29.9677
B 249.678	7.9778	ppb	0.5595	7.0	58.2077
Ba 389.178	287.561	ppb	0.0858	0.0	6264.19
Be 313.042	3.4586	ppb	0.0167	0.5	5121.73
Ca 370.602	4903	ppb	7.247	0.1	16450
Cd 226.502	0.2496	ppb	0.1684	67.5	364.105
Co 228.615	26.5052	ppb	0.2978	1.1	209.859
Cr 267.716	164.557	ppb	1.9304	1.2	4240.22
Cu 324.754	95.3641	ppb	0.1047	0.1	4819.86
Fe 271.441	128794	ppb	78.0284	0.1	114151
K 766.491	1917.22	ppb	1.0810	0.1	246860
Mg 279.078	2352.70	ppb	2.7128	0.1	4730.73
Mn 257.610	2014.79	ppb	0.3320	0.0	278555
Mo 202.032	5.4733	ppb	0.4720	8.6	25.2651
Na 330.237	288.588	ppb	168.538	58.4	1.7000
Ni 231.604	111.753	ppb	0.9089	0.8	314.141
Pb 220.353	117.156	ppb	5.0955	4.3	111.834
Sb 206.834	0.4104	ppb	3.1031	756.1	6.2569
Se 196.026	1.7180	ppb	5.6210	327.2	10.8190
Sn 189.925	13.3424	ppb	2.1483	16.1	1.9383
Sr 216.596	24.3683	ppb	0.4585	1.9	265.362
Ti 334.941	695.281	ppb	0.1646	0.0	244141
Tl 190.794	-1.1447	ppb	5.4398	475.2	-12.9324
V 292.401	186.397	ppb	0.4311	0.2	6058.83
Zn 206.200	491.449	ppb	1.0322	0.2	996.337

680-104968-b-25-a (Samp) **9/10/2014, 7:59:45 PM** **Rack 2, Tube 47**

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

Label	Replicates Concentration		
Ag 328.068	-0.7833u	-0.5874u	-0.7691u
Al 308.215	63415.6	63426.9	63435.5
As 188.980	87.4383	76.8722	96.8501
B 249.678	8.3665	9.4949	10.1540
Ba 389.178	348.064	347.680	346.604

Label	Replicates Concentration		
Be 313.042	3.3359	3.3282	3.3277
Ca 370.602	6830	6823	6837
Cd 226.502	1.2482	0.9741	1.3015
Co 228.615	23.2451	23.4704	22.6600
Cr 267.716	135.713	135.533	136.007
Cu 324.754	136.844	136.777	136.993
Fe 271.441	154073	154133	154433
K 766.491	2462.22	2469.10	2469.59
Mg 279.078	2711.02	2717.11	2713.84
Mn 257.610	2006.80	2005.18	2007.31
Mo 202.032	5.6444	5.0993	5.0220
Na 330.237	315.820u	375.746u	380.236u
Ni 231.604	69.4149	71.5701	69.9086
Pb 220.353	191.415	176.997	185.081
Sb 206.834	2.2905	1.2409	1.9979
Se 196.026	-19.7523u	-13.7146u	-6.8625
Sn 189.925	15.8498	10.4063	17.2572
Sr 216.596	28.4418	27.8604	29.3105
Ti 334.941	621.757	621.029	621.114
Tl 190.794	6.9056u	5.4615u	4.5143u
V 292.401	224.097	224.240	224.055
Zn 206.200	832.263	828.823	830.466

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.7133	ppb	0.1092	15.3	-51.8360
Al 308.215	63426.0	ppb	9.9735	0.0	359724
As 188.980	87.0535	ppb	9.9945	11.5	35.3303
B 249.678	9.3385	ppb	0.9040	9.7	59.0927
Ba 389.178	347.449	ppb	0.7566	0.2	7570.60
Be 313.042	3.3306	ppb	0.0046	0.1	4834.23
Ca 370.602	6830	ppb	7.175	0.1	23195
Cd 226.502	1.1746	ppb	0.1756	15.0	458.629
Co 228.615	23.1252	ppb	0.4183	1.8	184.041
Cr 267.716	135.751	ppb	0.2393	0.2	3498.27
Cu 324.754	136.871	ppb	0.1105	0.1	6827.58
Fe 271.441	154213	ppb	192.686	0.1	136675
K 766.491	2466.97	ppb	4.1206	0.2	317148
Mg 279.078	2713.99	ppb	3.0461	0.1	5441.45
Mn 257.610	2006.43	ppb	1.1124	0.1	277459
Mo 202.032	5.2553	ppb	0.3392	6.5	21.8879
Na 330.237	357.267	ppb	35.9643	10.1	-5.8183
Ni 231.604	70.2979	ppb	1.1291	1.6	201.441
Pb 220.353	184.497	ppb	7.2264	3.9	177.839
Sb 206.834	1.8431	ppb	0.5417	29.4	7.2937
Se 196.026	-13.4431	ppb	6.4492	48.0	5.9547
Sn 189.925	14.5045	ppb	3.6182	24.9	2.5658
Sr 216.596	28.5376	ppb	0.7298	2.6	315.094
Ti 334.941	621.300	ppb	0.3978	0.1	218163
Tl 190.794	5.6271	ppb	1.2043	21.4	-10.7121
V 292.401	224.131	ppb	0.0974	0.0	7286.50
Zn 206.200	830.517	ppb	1.7203	0.2	1681.45

680-104968-b-26-a (Samp) **9/10/2014, 8:04:14 PM** **Rack 2, Tube 48**

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

Label	Replicates Concentration		
Ag 328.068	-0.6499u	-1.0868u	-0.6294u
Al 308.215	80017.9	79859.9	79882.9
As 188.980	149.074	159.146	168.405
B 249.678	7.8760u	7.8056u	7.3966u
Ba 389.178	343.827	343.650	344.103
Be 313.042	3.5572	3.5477	3.5447
Ca 370.602	5043	5049	5046
Cd 226.502	-0.7079	-0.5344	-0.5580
Co 228.615	17.4848	18.1803	18.2319
Cr 267.716	349.567	348.952	349.272
Cu 324.754	56.2408	56.0005	56.3714
Fe 271.441	234182	233807	233758
K 766.491	3038.08	3031.75	3032.74
Mg 279.078	2758.21	2745.38	2753.64
Mn 257.610	1085.80	1083.82	1084.37
Mo 202.032	9.3940	7.9893	9.1604
Na 330.237	506.063u	680.623u	458.859u
Ni 231.604	42.8883	42.9149	39.6550
Pb 220.353	57.9479	55.2514	64.6796
Sb 206.834	-1.9081	11.3729	0.3404
Se 196.026	3.4921	-9.8303u	4.5189
Sn 189.925	11.0228	12.3339	16.7525
Sr 216.596	29.4762	28.2800	29.8980
Ti 334.941	711.940	710.893	711.072
Tl 190.794	-2.6106u	11.9232u	7.8507u
V 292.401	365.239	363.490	364.369
Zn 206.200	153.638	150.643	150.753

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.7887	ppb	0.2583	32.8	-65.9320
Al 308.215	79920.2	ppb	85.3531	0.1	453188
As 188.980	158.875	ppb	9.6683	6.1	69.1307
B 249.678	7.6927	ppb	0.2589	3.4	-18.8499
Ba 389.178	343.860	ppb	0.2285	0.1	7643.74
Be 313.042	3.5499	ppb	0.0065	0.2	5393.80
Ca 370.602	5046	ppb	3.294	0.1	15478
Cd 226.502	-0.6001	ppb	0.0941	15.7	617.998
Co 228.615	17.9657	ppb	0.4172	2.3	149.547
Cr 267.716	349.263	ppb	0.3073	0.1	8994.42
Cu 324.754	56.2042	ppb	0.1881	0.3	2922.37
Fe 271.441	233916	ppb	231.905	0.1	207302
K 766.491	3034.19	ppb	3.4053	0.1	389670
Mg 279.078	2752.41	ppb	6.5021	0.2	5358.63
Mn 257.610	1084.67	ppb	1.0226	0.1	150358
Mo 202.032	8.8479	ppb	0.7527	8.5	34.9669
Na 330.237	548.515	ppb	116.818	21.3	-30.8499
Ni 231.604	41.8194	ppb	1.8745	4.5	126.282
Pb 220.353	59.2930	ppb	4.8559	8.2	52.4273
Sb 206.834	3.2684	ppb	7.1082	217.5	9.8312
Se 196.026	-0.6064	ppb	8.0046	1320.0	11.3263

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Sn 189.925	13.3697	ppb	3.0020	22.5	1.9529
Sr 216.596	29.2181	ppb	0.8393	2.9	376.238
Ti 334.941	711.301	ppb	0.5600	0.1	249785
Tl 190.794	5.7211	ppb	7.4973	131.0	-14.2072
V 292.401	364.366	ppb	0.8743	0.2	11824.6
Zn 206.200	151.678	ppb	1.6984	1.1	312.373

Cont Calib Verif (CCV) **9/10/2014, 8:08:43 PM** **Rack 2, Tube 49**

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

Label	Replicates Concentration		
Ag 328.068	505.891	504.770	503.893
Al 308.215	4911.07	4927.76	4927.82
As 188.980	487.680	476.948	481.962
B 249.678	500.309	503.827	506.283
Ba 389.178	4941.05	4951.06	4955.33
Be 313.042	493.281	495.384	496.414
Ca 370.602	4941	4942	4969
Cd 226.502	497.827	498.307	500.577
Co 228.615	493.142	494.279	497.101
Cr 267.716	4942.04	4949.79	4957.01
Cu 324.754	5000.23	4915.34	4991.21
Fe 271.441	4935.82	4957.14	4939.09
K 766.491	10044.5	10065.2	10069.4
Mg 279.078	4951.26	4952.76	4960.67
Mn 257.610	5020.00	5037.66	5065.34
Mo 202.032	494.406	498.595	497.513
Na 330.237	7163.12	7151.00	7141.01
Ni 231.604	2492.61	2502.68	2507.49
Pb 220.353	486.906	492.335	495.876
Sb 206.834	939.205	949.984	934.571
Se 196.026	4926.02	4989.63	4971.72
Sn 189.925	4941.08	4956.33	4917.74
Sr 216.596	2470.54	2469.47	2479.02
Ti 334.941	487.381	488.314	489.165
Tl 190.794	5051.00	5071.84	5078.57
V 292.401	4925.91	4940.28	4947.32
Zn 206.200	2488.05	2487.89	2497.09

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Ag 328.068	504.851	ppb	1.0014	0.2	24229.3	100.97023
Al 308.215	4922.22	ppb	9.6505	0.2	28513.7	98.44434
As 188.980	482.197	ppb	5.3702	1.1	225.694	96.43932
B 249.678	503.473	ppb	3.0029	0.6	6926.42	100.69460
Ba 389.178	4949.15	ppb	7.3291	0.1	103980	98.98290
Be 313.042	495.027	ppb	1.5965	0.3	1161909	99.00530
Ca 370.602	4951	ppb	15.66	0.3	18337	99.01545
Cd 226.502	498.904	ppb	1.4687	0.3	14614.8	99.78071
Co 228.615	494.841	ppb	2.0384	0.4	3782.65	98.96812
Cr 267.716	4949.61	ppb	7.4879	0.2	127399	98.99222
Cu 324.754	4968.93	ppb	46.6268	0.9	240599	99.37857
Fe 271.441	4944.02	ppb	11.4794	0.2	4452.23	98.88033

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
K 766.491	10059.7	ppb	13.3371	0.1	1287920	100.59727
Mg 279.078	4954.90	ppb	5.0569	0.1	10479.3	99.09791
Mn 257.610	5041.00	ppb	22.8575	0.5	696168	100.82000
Mo 202.032	496.838	ppb	2.1742	0.4	2752.83	99.36761
Na 330.237	7151.71	ppb	11.0714	0.2	464.274	95.35614
Ni 231.604	2500.92	ppb	7.5948	0.3	6858.29	100.03696
Pb 220.353	491.706	ppb	4.5180	0.9	487.878	98.34117
Sb 206.834	941.253	ppb	7.9080	0.8	823.726	94.12534
Se 196.026	4962.46	ppb	32.8043	0.7	1717.86	99.24912
Sn 189.925	4938.39	ppb	19.4335	0.4	2661.66	98.76771
Sr 216.596	2473.01	ppb	5.2335	0.2	17826.1	98.92045
Ti 334.941	488.287	ppb	0.8923	0.2	171425	97.65739
Tl 190.794	5067.14	ppb	14.3770	0.3	2514.58	101.34277
V 292.401	4937.84	ppb	10.9141	0.2	158644	98.75672
Zn 206.200	2491.01	ppb	5.2662	0.2	5018.34	99.64027

Cont Calib Blank (CCB) **9/10/2014, 8:13:11 PM** **Rack 2, Tube 50**

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

Label	Replicates	Concentration	
Ag 328.068	0.0081	-0.3641u	0.3952
Al 308.215	5.1527	4.2180	5.4226
As 188.980	-1.6965u	-7.9687u	1.7446
B 249.678	5.7713	4.7342	4.2031
Ba 389.178	-0.2945u	-0.0441u	0.2288
Be 313.042	-0.0767u	-0.0732u	-0.0857u
Ca 370.602	0.1277	2.026	0.0568
Cd 226.502	-0.0545u	-0.0086u	-0.0900u
Co 228.615	0.0021	0.1732	-0.1444u
Cr 267.716	0.4790	-0.0008u	0.5019
Cu 324.754	0.5803	0.5580	0.2555
Fe 271.441	15.4870	4.7466	5.6438
K 766.491	0.0257	-0.2312u	-0.4619u
Mg 279.078	5.9398	0.9687	-0.6140u
Mn 257.610	0.0821	-0.0148u	-0.0224u
Mo 202.032	0.9208	0.8549	0.3584
Na 330.237	-83.3065u	-76.0721u	-23.1898u
Ni 231.604	0.6615	-0.0831u	1.7919
Pb 220.353	3.2346	1.5625	1.9767
Sb 206.834	3.7504	3.9223	7.2337
Se 196.026	-7.1480u	2.6183	-2.6810u
Sn 189.925	1.4205	2.7081	2.3116
Sr 216.596	0.3140	0.5060	-0.1698u
Ti 334.941	0.1537	0.1082	0.1187
Tl 190.794	5.2668	4.9155	3.9958
V 292.401	0.3959	0.5491	0.4449
Zn 206.200	0.3499	0.3966	0.6656

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Ag 328.068	0.0131	ppb	0.3797	2902.7	-8.9475	0.01308
Al 308.215	4.9311	ppb	0.6321	12.8	368.616	4.93110
As 188.980	-2.6402	ppb	4.9250	186.5	-6.4892	-2.64022

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Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
B 249.678	4.9028	ppb	0.7976	16.3	104.989	4.90283
Ba 389.178	-0.0366	ppb	0.2617	715.0	-21.0164	-0.03661
Be 313.042	-0.0785	ppb	0.0065	8.2	-3256.16	-0.07854
Ca 370.602	0.7368	ppb	1.117	151.6	-0.3648	0.73684
Cd 226.502	-0.0510	ppb	0.0408	79.9	17.0399	-0.05103
Co 228.615	0.0103	ppb	0.1589	1544.6	-9.6885	0.01029
Cr 267.716	0.3267	ppb	0.2839	86.9	13.1470	0.32669
Cu 324.754	0.4646	ppb	0.1815	39.1	247.979	0.46461
Fe 271.441	8.6258	ppb	5.9589	69.1	28.3442	8.62579
K 766.491	-0.2225	ppb	0.2439	109.6	1705.72	-0.22246
Mg 279.078	2.0982	ppb	3.4198	163.0	28.4813	2.09820
Mn 257.610	0.0150	ppb	0.0582	389.4	45.4805	0.01496
Mo 202.032	0.7114	ppb	0.3075	43.2	9.7880	0.71135
Na 330.237	-60.8561	ppb	32.8200	53.9	52.7895	-60.85612
Ni 231.604	0.7901	ppb	0.9441	119.5	5.3401	0.79010
Pb 220.353	2.2579	ppb	0.8708	38.6	1.9007	2.25791
Sb 206.834	4.9688	ppb	1.9633	39.5	9.1065	4.96883
Se 196.026	-2.4036	ppb	4.8891	203.4	7.3506	-2.40359
Sn 189.925	2.1467	ppb	0.6594	30.7	-4.1076	2.14674
Sr 216.596	0.2167	ppb	0.3482	160.7	3.7768	0.21674
Ti 334.941	0.1269	ppb	0.0238	18.8	-35.5829	0.12686
Tl 190.794	4.7260	ppb	0.6563	13.9	-4.6964	4.72604
V 292.401	0.4633	ppb	0.0782	16.9	17.0233	0.46330
Zn 206.200	0.4707	ppb	0.1704	36.2	2.7221	0.47071

680-105023-d-3-a (Samp) **9/10/2014, 8:17:39 PM** **Rack 2, Tube 51**

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

Label	Replicates Concentration		
Ag 328.068	-0.0730u	-0.1483u	-0.4956u
Al 308.215	25508.0	25496.7	25538.5
As 188.980	2.6426	0.2054	-0.4330u
B 249.678	9.7773	9.5366	10.1432
Ba 389.178	53.7650	54.4928	52.9060
Be 313.042	0.1163	0.1154	0.1238
Ca 370.602	50254	50191	50244
Cd 226.502	0.2640	0.0426	0.1172
Co 228.615	1.2070	1.3251	1.1510
Cr 267.716	23.6854	23.6578	23.8868
Cu 324.754	7.8728	7.8059	7.6371
Fe 271.441	7134.98	7118.25	7106.16
K 766.491	555.625	555.966	556.723
Mg 279.078	925.866	927.578	929.359
Mn 257.610	45.5292	45.5074	45.4009
Mo 202.032	1.2325	0.9264	1.3096
Na 330.237	184.005	158.270	125.204u
Ni 231.604	50.8880	53.1348	50.8603
Pb 220.353	36.3399	35.5783	42.9463
Sb 206.834	-2.2219u	-2.5058u	4.2781
Se 196.026	-2.2677u	-4.7101u	-6.6619u
Sn 189.925	8.6714	6.3573	11.2877
Sr 216.596	95.9724	95.4317	94.9103

Label	Replicates Concentration		
Ti 334.941	306.080	305.900	305.942
Tl 190.794	3.7526	-2.2597u	3.7606
V 292.401	28.5725	28.6583	28.6236
Zn 206.200	221.865	224.713	223.230

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.2390	ppb	0.2254	94.3	-21.7555
Al 308.215	25514.4	ppb	21.6350	0.1	144907
As 188.980	0.8050	ppb	1.6231	201.6	-4.8914
B 249.678	9.8191	ppb	0.3055	3.1	167.212
Ba 389.178	53.7213	ppb	0.7943	1.5	1123.78
Be 313.042	0.1185	ppb	0.0046	3.9	-2760.96
Ca 370.602	50230	ppb	33.91	0.1	185657
Cd 226.502	0.1413	ppb	0.1127	79.8	41.3684
Co 228.615	1.2277	ppb	0.0889	7.2	4.5742
Cr 267.716	23.7433	ppb	0.1250	0.5	615.939
Cu 324.754	7.7720	ppb	0.1215	1.6	546.807
Fe 271.441	7119.80	ppb	14.4736	0.2	6329.98
K 766.491	556.104	ppb	0.5618	0.1	72834.8
Mg 279.078	927.601	ppb	1.7467	0.2	1968.76
Mn 257.610	45.4792	ppb	0.0686	0.2	6344.86
Mo 202.032	1.1562	ppb	0.2027	17.5	11.6403
Na 330.237	155.826	ppb	29.4766	18.9	56.7823
Ni 231.604	51.6277	ppb	1.3052	2.5	144.950
Pb 220.353	38.2882	ppb	4.0520	10.6	36.3525
Sb 206.834	-0.1499	ppb	3.8374	2560.7	4.9251
Se 196.026	-4.5466	ppb	2.2017	48.4	6.9738
Sn 189.925	8.7722	ppb	2.4667	28.1	-0.5296
Sr 216.596	95.4381	ppb	0.5311	0.6	707.355
Ti 334.941	305.974	ppb	0.0941	0.0	107388
Tl 190.794	1.7512	ppb	3.4735	198.4	-6.6367
V 292.401	28.6181	ppb	0.0432	0.2	929.271
Zn 206.200	223.270	ppb	1.4240	0.6	452.585

680-104986-b-1-a (Samp) **9/10/2014, 8:22:08 PM** **Rack 2, Tube 52**

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

Label	Replicates Concentration		
Ag 328.068	2.9228	2.3823	2.8326
Al 308.215	7738.53	7744.71	7741.65
As 188.980	-10.2346u	-2.8918u	-4.1318u
B 249.678	49.8400	49.2101	50.0421
Ba 389.178	113.245	113.507	113.054
Be 313.042	-0.0969u	-0.1101u	-0.1125u
Ca 370.602	495382	496537	497132
Cd 226.502	0.5180	0.2435	0.4123
Co 228.615	4.1262	3.7109	3.4254
Cr 267.716	17.3501	17.1148	17.3903
Cu 324.754	183.933	184.205	185.219
Fe 271.441	5480.10	5477.80	5470.36
K 766.491	575.609	576.282	578.034
Mg 279.078	5809.01	5807.88	5817.15

Label	Replicates Concentration		
Mn 257.610	169.741	169.953	169.849
Mo 202.032	10.8055	11.1330	10.8676
Na 330.237	1401.46	1231.78	1271.91
Ni 231.604	7.3673	6.2004	5.5505
Pb 220.353	13.3427	16.7326	21.7695
Sb 206.834	3.5667	-0.6314u	-2.2191u
Se 196.026	-7.3946	-0.2590	-12.8510u
Sn 189.925	18.4928	19.0872	22.8965
Sr 216.596	335.392	335.045	337.402
Ti 334.941	86.6962	86.7436	86.9002
Tl 190.794	-6.9081u	-8.6103u	-8.4411u
V 292.401	17.0632	16.7141	17.4158
Zn 206.200	2553.19	2556.40	2562.47

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	2.7126	ppb	0.2896	10.7	119.968
Al 308.215	7741.63	ppb	3.0914	0.0	44206.2
As 188.980	-5.7528	ppb	3.9306	68.3	-8.0166
B 249.678	49.6974	ppb	0.4339	0.9	713.269
Ba 389.178	113.269	ppb	0.2274	0.2	2383.93
Be 313.042	-0.1065	ppb	0.0084	7.9	-3114.38
Ca 370.602	496350	ppb	890.0	0.2	1834892
Cd 226.502	0.3913	ppb	0.1384	35.4	44.3820
Co 228.615	3.7542	ppb	0.3524	9.4	20.3878
Cr 267.716	17.2851	ppb	0.1488	0.9	449.665
Cu 324.754	184.452	ppb	0.6780	0.4	8671.25
Fe 271.441	5476.09	ppb	5.0899	0.1	4873.51
K 766.491	576.642	ppb	1.2519	0.2	75460.6
Mg 279.078	5811.35	ppb	5.0595	0.1	12287.3
Mn 257.610	169.847	ppb	0.1061	0.1	23545.6
Mo 202.032	10.9354	ppb	0.1740	1.6	65.9038
Na 330.237	1301.72	ppb	88.6826	6.8	122.366
Ni 231.604	6.3727	ppb	0.9206	14.4	20.8442
Pb 220.353	17.2816	ppb	4.2401	24.5	16.3652
Sb 206.834	0.2387	ppb	2.9894	1252.3	5.0455
Se 196.026	-6.8349	ppb	6.3146	92.4	8.4753
Sn 189.925	20.1588	ppb	2.3894	11.9	5.6200
Sr 216.596	335.946	ppb	1.2725	0.4	2545.30
Ti 334.941	86.7800	ppb	0.1067	0.1	30411.8
Tl 190.794	-7.9865	ppb	0.9378	11.7	-11.2637
V 292.401	17.0644	ppb	0.3509	2.1	551.727
Zn 206.200	2557.35	ppb	4.7124	0.2	5164.34

680-104986-b-2-a (Samp) **9/10/2014, 8:26:36 PM** **Rack 2, Tube 53**

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

Label	Replicates Concentration		
Ag 328.068	2.3651	2.2571	2.5570
Al 308.215	7865.13	7844.64	7859.36
As 188.980	-8.9460u	-11.3039u	-9.8664u
B 249.678	40.4009	40.5132	40.3943
Ba 389.178	80.1252	81.3049	79.8781

Label	Replicates Concentration		
Be 313.042	-0.1009u	-0.1046u	-0.0915u
Ca 370.602	429063	431458	433093
Cd 226.502	0.1526	0.6595	0.4142
Co 228.615	3.4490	4.2840	3.8817
Cr 267.716	16.3956	16.3409	16.6274
Cu 324.754	180.620	180.104	180.331
Fe 271.441	4483.39	4470.38	4493.65
K 766.491	526.506	525.370	526.996
Mg 279.078	5281.07	5303.20	5297.28
Mn 257.610	151.036	150.926	150.810
Mo 202.032	9.9800	9.6880	9.9885
Na 330.237	1188.13	1431.16	1378.11
Ni 231.604	6.0455	4.8814	6.5564
Pb 220.353	19.1753	19.8592	17.1559
Sb 206.834	-3.0162u	1.8587	-2.0795u
Se 196.026	-5.7250	-9.1312u	-11.3413u
Sn 189.925	18.1355	23.3595	19.8882
Sr 216.596	287.329	287.706	287.566
Ti 334.941	81.1661	81.4709	81.4861
Tl 190.794	-1.5759u	-4.5820u	-7.2368u
V 292.401	15.9277	15.3746	15.4282
Zn 206.200	2947.53	2947.43	2945.90

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	2.3931	ppb	0.1519	6.3	104.756
Al 308.215	7856.38	ppb	10.5649	0.1	44856.3
As 188.980	-10.0388	ppb	1.1883	11.8	-10.0612
B 249.678	40.4361	ppb	0.0668	0.2	587.417
Ba 389.178	80.4361	ppb	0.7625	0.9	1691.02
Be 313.042	-0.0990	ppb	0.0067	6.8	-3123.69
Ca 370.602	431205	ppb	2027	0.5	1594069
Cd 226.502	0.4088	ppb	0.2535	62.0	42.2100
Co 228.615	3.8716	ppb	0.4176	10.8	21.1768
Cr 267.716	16.4546	ppb	0.1521	0.9	428.296
Cu 324.754	180.352	ppb	0.2584	0.1	8535.73
Fe 271.441	4482.47	ppb	11.6640	0.3	3993.04
K 766.491	526.291	ppb	0.8340	0.2	69023.0
Mg 279.078	5293.85	ppb	11.4539	0.2	11196.3
Mn 257.610	150.924	ppb	0.1130	0.1	20926.9
Mo 202.032	9.8855	ppb	0.1711	1.7	60.1797
Na 330.237	1332.47	ppb	127.782	9.6	123.581
Ni 231.604	5.8277	ppb	0.8585	14.7	19.3141
Pb 220.353	18.7301	ppb	1.4056	7.5	17.8076
Sb 206.834	-1.0790	ppb	2.5869	239.7	3.9445
Se 196.026	-8.7325	ppb	2.8293	32.4	7.4701
Sn 189.925	20.4611	ppb	2.6587	13.0	5.7833
Sr 216.596	287.534	ppb	0.1902	0.1	2180.03
Ti 334.941	81.3744	ppb	0.1805	0.2	28512.0
Tl 190.794	-4.4649	ppb	2.8323	63.4	-9.4770
V 292.401	15.5769	ppb	0.3050	2.0	503.597
Zn 206.200	2946.96	ppb	0.9118	0.0	5950.80

680-104979-c-1-a (Samp) **9/10/2014, 8:31:04 PM** **Rack 2, Tube 54**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Replicates Concentration		
Ag 328.068	2.4866	1.9122	1.7609
Al 308.215	66816.8	67383.7	66917.4
As 188.980	-0.2724u	-8.5793u	-2.3142u
B 249.678	1336.44	1352.21	1345.83
Ba 389.178	9632.46	9725.19	9633.71
Be 313.042	7.9323	7.9884	7.9311
Ca 370.602	110999	111977	111039
Cd 226.502	18.1163	19.5734	17.8299
Co 228.615	119.071	119.961	118.673
Cr 267.716	594.447	599.583	594.879
Cu 324.754	2598.13	2609.88	2574.90
Fe 271.441	772314	780771	774738
K 766.491	8818.27	8866.46	8811.39
Mg 279.078	47449.0	47873.7	47485.1
Mn 257.610	3960.51	3992.28	3967.51
Mo 202.032	83.8621	84.8795	84.7982
Na 330.237	1817.00u	1857.12u	1470.35u
Ni 231.604	441.739	447.229	447.130
Pb 220.353	582.173	601.381	601.945
Sb 206.834	13.1083	6.5671	18.4744
Se 196.026	-40.5638u	-13.5986	-15.9005
Sn 189.925	55.6056	53.8679	53.5281
Sr 216.596	452.059	459.206	452.698
Ti 334.941	549.870	554.375	549.976
Tl 190.794	6.0605u	-2.3172u	-1.9351u
V 292.401	193.046	193.979	192.148
Zn 206.200	11297.4	11393.5	11326.6

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	2.0532	ppb	0.3829	18.6	27.0488
Al 308.215	67039.3	ppb	302.451	0.5	380200
As 188.980	-3.7220	ppb	4.3287	116.3	-12.6067
B 249.678	1344.82	ppb	7.9328	0.6	17879.0
Ba 389.178	9663.79	ppb	53.1825	0.6	204538
Be 313.042	7.9506	ppb	0.0328	0.4	15707.7
Ca 370.602	111338	ppb	553.5	0.5	400740
Cd 226.502	18.5065	ppb	0.9350	5.1	2594.59
Co 228.615	119.235	ppb	0.6598	0.6	947.414
Cr 267.716	596.303	ppb	2.8487	0.5	15356.3
Cu 324.754	2594.30	ppb	17.7990	0.7	125651
Fe 271.441	775941	ppb	4355.07	0.6	687608
K 766.491	8832.04	ppb	30.0090	0.3	1130954
Mg 279.078	47602.6	ppb	235.471	0.5	98988.0
Mn 257.610	3973.43	ppb	16.6911	0.4	550708
Mo 202.032	84.5133	ppb	0.5654	0.7	408.551
Na 330.237	1714.82	ppb	212.666	12.4	-239.762
Ni 231.604	445.366	ppb	3.1415	0.7	1251.81
Pb 220.353	595.166	ppb	11.2560	1.9	577.519
Sb 206.834	12.7166	ppb	5.9633	46.9	18.2465
Se 196.026	-23.3543	ppb	14.9482	64.0	11.7442

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Sn 189.925	54.3339	ppb	1.1144	2.1	24.0753
Sr 216.596	454.655	ppb	3.9544	0.9	3839.68
Ti 334.941	551.407	ppb	2.5709	0.5	193799
Tl 190.794	0.6027	ppb	4.7304	784.8	-38.7436
V 292.401	193.058	ppb	0.9154	0.5	6499.04
Zn 206.200	11339.2	ppb	49.2668	0.4	22907.9

RLV (Samp) **9/10/2014, 8:35:33 PM** **Rack 2, Tube 55**

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

Label	Replicates Concentration		
Ag 328.068	10.5549	10.2302	10.1025
Al 308.215	213.308	210.854	212.358
As 188.980	24.2063	21.6368	25.7791
B 249.678	108.450	106.162	106.012
Ba 389.178	10.0546	9.8942	10.1198
Be 313.042	3.9192	3.9160	3.9087
Ca 370.602	549.1	553.1	544.4
Cd 226.502	4.8268	4.7409	5.2045
Co 228.615	9.3258	10.2997	9.9431
Cr 267.716	10.6302	10.8586	10.4969
Cu 324.754	21.0040	21.2691	20.9817
Fe 271.441	103.961	97.8201	91.1619
K 766.491	1037.90	1034.21	1029.75
Mg 279.078	540.087	538.263	536.344
Mn 257.610	10.8526	10.7961	10.6878
Mo 202.032	10.3781	9.6119	10.0425
Na 330.237	988.579	1048.90	969.002
Ni 231.604	41.1919	42.8808	39.9199
Pb 220.353	13.1060	12.2325	12.5379
Sb 206.834	15.9955	17.6024	19.1766
Se 196.026	23.6871	19.1564	16.0995
Sn 189.925	60.4811	58.9241	58.8446
Sr 216.596	9.6640	9.6626	9.1877
Ti 334.941	10.3621	10.3921	10.3173
Tl 190.794	26.0461	23.1368	27.7748
V 292.401	10.1186	10.1650	10.0411
Zn 206.200	23.2918	24.1876	21.4482

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	10.2959	ppb	0.2332	2.3	484.194
Al 308.215	212.173	ppb	1.2375	0.6	1543.93
As 188.980	23.8741	ppb	2.0910	8.8	6.2055
B 249.678	106.875	ppb	1.3662	1.3	1498.41
Ba 389.178	10.0228	ppb	0.1161	1.2	191.854
Be 313.042	3.9147	ppb	0.0054	0.1	6131.35
Ca 370.602	548.8	ppb	4.348	0.8	2027
Cd 226.502	4.9241	ppb	0.2466	5.0	162.698
Co 228.615	9.8562	ppb	0.4927	5.0	65.7879
Cr 267.716	10.6619	ppb	0.1829	1.7	279.173
Cu 324.754	21.0849	ppb	0.1599	0.8	1245.13
Fe 271.441	97.6475	ppb	6.4011	6.6	107.902

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
K 766.491	1033.96	ppb	4.0826	0.4	133931
Mg 279.078	538.231	ppb	1.8719	0.3	1160.69
Mn 257.610	10.7788	ppb	0.0838	0.8	1535.05
Mo 202.032	10.0109	ppb	0.3841	3.8	61.2414
Na 330.237	1002.16	ppb	41.6458	4.2	115.750
Ni 231.604	41.3308	ppb	1.4854	3.6	116.464
Pb 220.353	12.6255	ppb	0.4433	3.5	12.1448
Sb 206.834	17.5915	ppb	1.5906	9.0	19.6837
Se 196.026	19.6476	ppb	3.8176	19.4	14.9498
Sn 189.925	59.4166	ppb	0.9228	1.6	26.8206
Sr 216.596	9.5047	ppb	0.2746	2.9	69.8051
Ti 334.941	10.3572	ppb	0.0376	0.4	3558.54
Tl 190.794	25.6526	ppb	2.3439	9.1	5.7093
V 292.401	10.1082	ppb	0.0626	0.6	324.969
Zn 206.200	22.9759	ppb	1.3968	6.1	48.1295

CRI (Samp) **9/10/2014, 8:40:01 PM** **Rack 2, Tube 56**

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

Label	Replicates Concentration		
Ag 328.068	10.3849	11.0592	10.3586
Al 308.215	219.422	217.248	221.149
As 188.980	25.4401	20.6149	24.3321
B 249.678	107.058	105.104	105.446
Ba 389.178	10.6621	10.7295	9.7240
Be 313.042	4.0607	4.0490	4.0664
Ca 370.602	518.1	513.1	516.3
Cd 226.502	5.1063	4.9867	4.8821
Co 228.615	10.0312	10.0528	10.1033
Cr 267.716	10.1636	10.3058	10.2475
Cu 324.754	21.7293	20.8434	20.8923
Fe 271.441	59.3350	56.4771	49.7846
K 766.491	1062.72	1058.56	1063.29
Mg 279.078	517.851	513.626	517.412
Mn 257.610	10.7078	10.5543	10.7571
Mo 202.032	10.2502	9.8535	10.2757
Na 330.237	1057.26	987.307	1108.06
Ni 231.604	42.5155	43.1021	42.2037
Pb 220.353	11.0567	7.1154	9.3578
Sb 206.834	22.9651	16.8393	26.7639
Se 196.026	26.4037	12.1010	3.0264
Sn 189.925	53.9573	58.6090	52.8577
Sr 216.596	10.3300	10.2808	10.0396
Ti 334.941	10.3514	10.2176	10.3283
Tl 190.794	23.9886	31.0483	24.3658
V 292.401	10.3774	10.1665	10.2881
Zn 206.200	22.2379	22.3731	22.1176

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	10.6009	ppb	0.3971	3.7	498.827
Al 308.215	219.273	ppb	1.9551	0.9	1584.17
As 188.980	23.4624	ppb	2.5274	10.8	6.0087

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
B 249.678	105.870	ppb	1.0438	1.0	1484.71
Ba 389.178	10.3719	ppb	0.5621	5.4	199.066
Be 313.042	4.0587	ppb	0.0089	0.2	6469.93
Ca 370.602	515.9	ppb	2.542	0.5	1905
Cd 226.502	4.9917	ppb	0.1121	2.2	164.579
Co 228.615	10.0624	ppb	0.0370	0.4	67.3662
Cr 267.716	10.2390	ppb	0.0715	0.7	268.282
Cu 324.754	21.1550	ppb	0.4980	2.4	1248.55
Fe 271.441	55.1989	ppb	4.9019	8.9	70.3175
K 766.491	1061.52	ppb	2.5827	0.2	137455
Mg 279.078	516.296	ppb	2.3227	0.4	1114.43
Mn 257.610	10.6730	ppb	0.1058	1.0	1520.24
Mo 202.032	10.1265	ppb	0.2368	2.3	61.8840
Na 330.237	1050.87	ppb	60.6280	5.8	118.667
Ni 231.604	42.6071	ppb	0.4561	1.1	119.961
Pb 220.353	9.1766	ppb	1.9769	21.5	8.7309
Sb 206.834	22.1894	ppb	5.0076	22.6	23.5670
Se 196.026	13.8437	ppb	11.7856	85.1	12.9505
Sn 189.925	55.1413	ppb	3.0530	5.5	24.5118
Sr 216.596	10.2168	ppb	0.1554	1.5	74.8854
Ti 334.941	10.2991	ppb	0.0715	0.7	3538.10
Tl 190.794	26.4676	ppb	3.9715	15.0	6.1161
V 292.401	10.2773	ppb	0.1059	1.0	330.418
Zn 206.200	22.2428	ppb	0.1278	0.6	46.6498

mb 680-348189/1-a (Samp) **9/10/2014, 8:44:29 PM** **Rack 2, Tube 57**

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

Label	Replicates Concentration		
Ag 328.068	-0.1868u	-0.3481u	0.2830
Al 308.215	6.2819	5.6488	7.4363
As 188.980	-6.9274u	-0.4197u	3.3364
B 249.678	4.2699	4.1371	3.6703
Ba 389.178	-0.5113u	-0.4639u	-0.0643u
Be 313.042	-0.1111u	-0.1022u	-0.1142u
Ca 370.602	8.158	8.868	9.309
Cd 226.502	-0.0747u	-0.0386u	0.0933
Co 228.615	0.3549	-0.4698u	0.0184
Cr 267.716	-0.0157u	0.3475	-0.0617u
Cu 324.754	-0.0274u	-0.2264u	0.1464
Fe 271.441	11.2347	6.6164	8.7661
K 766.491	0.1828	0.2173	0.5162
Mg 279.078	4.8676	2.0314	1.0290
Mn 257.610	-0.2621u	-0.1846u	-0.2015u
Mo 202.032	-0.6041u	0.3574	-0.8948u
Na 330.237	166.716	193.665	206.964
Ni 231.604	0.2907	1.1799	-0.0006u
Pb 220.353	0.3581	1.5204	4.2993
Sb 206.834	2.5682	1.8519	1.1992
Se 196.026	-4.2830u	-5.9753u	-1.0490u
Sn 189.925	-2.2882u	-0.5515u	-2.5708u
Sr 216.596	-0.3620u	0.3846	0.1348

Label	Replicates Concentration		
Ti 334.941	0.1484	0.1213	0.0893
Tl 190.794	1.3662	-5.7858u	-4.7304u
V 292.401	0.1798	0.0666	0.0441
Zn 206.200	1.7197	2.2719	0.9076

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.0840	ppb	0.3278	390.4	-13.6034
Al 308.215	6.4557	ppb	0.9063	14.0	377.170
As 188.980	-1.3369	ppb	5.1930	388.4	-5.8655
B 249.678	4.0258	ppb	0.3149	7.8	92.9521
Ba 389.178	-0.3465	ppb	0.2455	70.9	-27.5207
Be 313.042	-0.1092	ppb	0.0063	5.7	-3328.15
Ca 370.602	8.779	ppb	0.5807	6.6	29.31
Cd 226.502	-0.0067	ppb	0.0884	1326.9	18.3469
Co 228.615	-0.0322	ppb	0.4146	1288.5	-9.9933
Cr 267.716	0.0900	ppb	0.2241	248.9	7.0589
Cu 324.754	-0.0358	ppb	0.1865	521.0	223.740
Fe 271.441	8.8724	ppb	2.3110	26.0	28.5232
K 766.491	0.3054	ppb	0.1833	60.0	1773.21
Mg 279.078	2.6427	ppb	1.9910	75.3	29.6228
Mn 257.610	-0.2161	ppb	0.0407	18.9	13.5909
Mo 202.032	-0.3805	ppb	0.6553	172.2	3.7454
Na 330.237	189.115	ppb	20.5060	10.8	67.6547
Ni 231.604	0.4900	ppb	0.6149	125.5	4.5176
Pb 220.353	2.0593	ppb	2.0251	98.3	1.7050
Sb 206.834	1.8731	ppb	0.6848	36.6	6.5069
Se 196.026	-3.7691	ppb	2.5030	66.4	6.8805
Sn 189.925	-1.8035	ppb	1.0934	60.6	-6.2409
Sr 216.596	0.0524	ppb	0.3800	724.6	2.6141
Ti 334.941	0.1197	ppb	0.0296	24.7	-38.1139
Tl 190.794	-3.0500	ppb	3.8608	126.6	-8.5604
V 292.401	0.0968	ppb	0.0727	75.1	5.4893
Zn 206.200	1.6331	ppb	0.6863	42.0	5.0691

lcs 680-348189/2-a (Samp) **9/10/2014, 8:48:58 PM** **Rack 2, Tube 58**

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

Label	Replicates Concentration		
Ag 328.068	105.323	104.920	105.358
Al 308.215	10062.1	10024.2	10011.2
As 188.980	199.024	210.730	202.784
B 249.678	408.168	408.387	408.673
Ba 389.178	198.763	197.742	197.236
Be 313.042	102.773	102.577	102.348
Ca 370.602	9957	9917	9924
Cd 226.502	100.778	100.388	99.8243
Co 228.615	101.024	100.277	100.808
Cr 267.716	203.859	203.478	202.785
Cu 324.754	205.471	203.937	203.685
Fe 271.441	9907.75	9900.42	9883.44
K 766.491	11005.2	10973.8	10931.1
Mg 279.078	9773.51	9760.25	9736.73

Label	Replicates Concentration		
Mn 257.610	1039.41	1037.06	1034.69
Mo 202.032	203.095	201.111	201.727
Na 330.237	90452.8	90157.0	90330.3
Ni 231.604	200.456	199.585	200.000
Pb 220.353	105.287	102.598	99.4494
Sb 206.834	101.528	103.637	100.249
Se 196.026	200.429	183.259	191.623
Sn 189.925	403.287	403.725	406.372
Sr 216.596	199.536	199.028	197.588
Ti 334.941	202.687	201.918	201.721
Tl 190.794	74.2822	78.8367	74.6815
V 292.401	204.571	204.351	203.872
Zn 206.200	201.929	199.827	202.476

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	105.200	ppb	0.2437	0.2	5038.01
Al 308.215	10032.5	ppb	26.4144	0.3	57207.9
As 188.980	204.179	ppb	5.9762	2.9	92.4960
B 249.678	408.410	ppb	0.2530	0.1	5612.75
Ba 389.178	197.914	ppb	0.7777	0.4	4180.91
Be 313.042	102.566	ppb	0.2127	0.2	238031
Ca 370.602	9933	ppb	21.66	0.2	36621
Cd 226.502	100.330	ppb	0.4794	0.5	2976.89
Co 228.615	100.703	ppb	0.3846	0.4	762.040
Cr 267.716	203.374	ppb	0.5447	0.3	5240.03
Cu 324.754	204.365	ppb	0.9667	0.5	10102.4
Fe 271.441	9897.20	ppb	12.4724	0.1	8798.30
K 766.491	10970.0	ppb	37.2031	0.3	1404307
Mg 279.078	9756.83	ppb	18.6285	0.2	20611.7
Mn 257.610	1037.05	ppb	2.3584	0.2	143322
Mo 202.032	201.978	ppb	1.0152	0.5	1122.71
Na 330.237	90313.4	ppb	148.618	0.2	5420.22
Ni 231.604	200.014	ppb	0.4359	0.2	551.763
Pb 220.353	102.445	ppb	2.9216	2.9	100.394
Sb 206.834	101.805	ppb	1.7107	1.7	88.8428
Se 196.026	191.770	ppb	8.5856	4.5	74.5460
Sn 189.925	404.461	ppb	1.6688	0.4	213.176
Sr 216.596	198.718	ppb	1.0105	0.5	1441.23
Ti 334.941	202.108	ppb	0.5105	0.3	70918.7
Tl 190.794	75.9335	ppb	2.5222	3.3	30.5066
V 292.401	204.265	ppb	0.3571	0.2	6526.84
Zn 206.200	201.411	ppb	1.3985	0.7	408.082

680-104869-d-1-e (Samp) **9/10/2014, 8:53:27 PM** **Rack 2, Tube 59**

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

Label	Replicates Concentration		
Ag 328.068	-0.1802u	0.3349	-0.2379u
Al 308.215	19.5906	19.2428	20.2256
As 188.980	-1.6950u	-2.9715u	9.1326
B 249.678	157.139	156.066	157.147
Ba 389.178	20.8592	21.1519	21.2696

Label	Replicates Concentration		
Be 313.042	-0.0847u	-0.0738u	-0.0959u
Ca 370.602	8466	8452	8488
Cd 226.502	-0.1171u	-0.0775u	0.1687
Co 228.615	1.7634	2.2206	1.4492
Cr 267.716	0.4792	0.5558	0.5663
Cu 324.754	1.4475	1.3820	1.5482
Fe 271.441	35.1847	44.4104	35.2942
K 766.491	4181.84	4167.20	4188.67
Mg 279.078	1715.77	1717.11	1723.26
Mn 257.610	125.317	124.963	125.523
Mo 202.032	60.6315	59.5019	59.3909
Na 330.237	100342x	100679x	100901x
Ni 231.604	1.5225	3.4022	3.0562
Pb 220.353	-2.0451u	2.9859	3.3214
Sb 206.834	-1.2580u	2.5035	2.4112
Se 196.026	-1.2281u	-4.1788u	3.7921
Sn 189.925	2.0541	-2.2978u	2.4774
Sr 216.596	93.5846	94.0389	94.3116
Ti 334.941	0.2233	0.3505	0.2686
Tl 190.794	3.2010	-1.1300u	-9.7093u
V 292.401	0.3477u	0.4781	0.4137u
Zn 206.200	1396.05	1394.13	1398.29

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.0277b	ppb	0.3154	1138.1	-10.5143
Al 308.215	19.6863b	ppb	0.4983	2.5	455.887
As 188.980	1.4887b	ppb	6.6505	446.7	-4.4991
B 249.678	156.784b	ppb	0.6215	0.4	2180.17
Ba 389.178	21.0936b	ppb	0.2113	1.0	427.396
Be 313.042	-0.0848b	ppb	0.0111	13.1	-3288.79
Ca 370.602	8468b	ppb	18.32	0.2	31304
Cd 226.502	-0.0086b	ppb	0.1548	1796.2	18.0020
Co 228.615	1.8110b	ppb	0.3879	21.4	2.9884
Cr 267.716	0.5338b	ppb	0.0476	8.9	19.2993
Cu 324.754	1.4592b	ppb	0.0837	5.7	289.102
Fe 271.441	38.2964b	ppb	5.2951	13.8	54.7002
K 766.491	4179.24b	ppb	10.9734	0.3	536070
Mg 279.078	1718.72b	ppb	3.9937	0.2	3654.14
Mn 257.610	125.268b	ppb	0.2830	0.2	17350.6
Mo 202.032	59.8414b	ppb	0.6864	1.1	337.021
Na 330.237	100641xb	ppb	281.260	0.3	6038.77
Ni 231.604	2.6603b	ppb	1.0004	37.6	10.4689
Pb 220.353	1.4207b	ppb	3.0062	211.6	1.0239
Sb 206.834	1.2189b	ppb	2.1456	176.0	4.9359
Se 196.026	-0.5383b	ppb	4.0300	748.7	8.0544
Sn 189.925	0.7446b	ppb	2.6433	355.0	-4.8449
Sr 216.596	93.9784b	ppb	0.3673	0.4	683.717
Ti 334.941	0.2808b	ppb	0.0645	23.0	13.6429
Tl 190.794	-2.5461b	ppb	6.5706	258.1	-8.3123
V 292.401	0.4132b	ppb	0.0652	15.8	0.2940
Zn 206.200	1396.16b	ppb	2.0802	0.1	2820.17

680-104923-b-1-b (Samp) **9/10/2014, 8:57:56 PM** **Rack 2, Tube 60**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Replicates Concentration		
Ag 328.068	-0.0563u	-0.5035u	-0.7850u
Al 308.215	45.8047	46.6589	44.5945
As 188.980	2.8174	3.0994	-4.6308u
B 249.678	30.2769	29.8707	29.2617
Ba 389.178	77.9367	78.0208	77.7140
Be 313.042	-0.1341u	-0.1333u	-0.1362u
Ca 370.602	32389	32397	32410
Cd 226.502	0.2478	0.4575	0.1211
Co 228.615	1.2331	2.1468	1.4270
Cr 267.716	642.997	643.642	643.620
Cu 324.754	0.7641	0.6687	1.0954
Fe 271.441	9.4966	2.3830u	-5.8244u
K 766.491	309.216	308.290	308.912
Mg 279.078	391.370	389.006	395.325
Mn 257.610	10.5751	10.4836	10.4315
Mo 202.032	-0.1004u	0.7626	0.1222
Na 330.237	93767.0	92804.3	93613.3
Ni 231.604	1.0988	1.3623	1.9716
Pb 220.353	1.2913	-0.3303u	-1.1943u
Sb 206.834	1.7249	-4.8397	2.8000
Se 196.026	-4.2831u	-10.4370u	1.9904
Sn 189.925	-2.9214u	3.2438	-0.2114u
Sr 216.596	2860.56	2864.42	2864.23
Ti 334.941	1.3060	1.3400	1.3615
Tl 190.794	-2.7859u	0.2018	-1.4546u
V 292.401	0.5977u	1.0897u	0.5877u
Zn 206.200	365.662	365.485	365.981

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.4482	ppb	0.3675	82.0	-30.7933
Al 308.215	45.6860	ppb	1.0373	2.3	599.442
As 188.980	0.4287	ppb	4.3839	1022.7	-5.0200
B 249.678	29.8031	ppb	0.5109	1.7	445.225
Ba 389.178	77.8905	ppb	0.1585	0.2	1616.98
Be 313.042	-0.1345	ppb	0.0015	1.1	-3386.41
Ca 370.602	32399	ppb	10.37	0.0	119772
Cd 226.502	0.2754	ppb	0.1699	61.7	26.2084
Co 228.615	1.6023	ppb	0.4814	30.0	2.5459
Cr 267.716	643.419	ppb	0.3664	0.1	16571.7
Cu 324.754	0.8427	ppb	0.2240	26.6	235.042
Fe 271.441	2.0184	ppb	7.6670	379.9	19.6809
K 766.491	308.806	ppb	0.4724	0.2	41216.5
Mg 279.078	391.901	ppb	3.1925	0.8	851.818
Mn 257.610	10.4967	ppb	0.0727	0.7	1495.02
Mo 202.032	0.2615	ppb	0.4481	171.4	7.2996
Na 330.237	93394.9	ppb	517.166	0.6	5610.83
Ni 231.604	1.4776	ppb	0.4477	30.3	7.2249
Pb 220.353	-0.0777	ppb	1.2619	1623.3	-0.0916
Sb 206.834	-0.1049	ppb	4.1355	3940.8	8.9429
Se 196.026	-4.2433	ppb	6.2138	146.4	6.8851

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Sn 189.925	0.0370	ppb	3.0901	8352.0	-5.2286
Sr 216.596	2863.07	ppb	2.1773	0.1	20737.8
Ti 334.941	1.3358	ppb	0.0280	2.1	382.053
Tl 190.794	-1.3462	ppb	1.4968	111.2	-7.7112
V 292.401	0.7583	ppb	0.2870	37.8	-18.0090
Zn 206.200	365.709	ppb	0.2512	0.1	738.450

Cont Calib Verif (CCV) **9/10/2014, 9:02:25 PM** **Rack 3, Tube 1**

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

Label	Replicates Concentration		
Ag 328.068	499.704	495.746	501.045
Al 308.215	4857.28	4851.50	4857.51
As 188.980	474.086	473.992	479.499
B 249.678	496.310	498.826	501.256
Ba 389.178	4901.00	4899.35	4903.80
Be 313.042	491.655	490.773	491.071
Ca 370.602	4923	4913	4926
Cd 226.502	488.346	489.460	488.647
Co 228.615	493.412	489.381	490.108
Cr 267.716	4908.10	4909.15	4914.69
Cu 324.754	4978.92	4891.32	4932.47
Fe 271.441	4880.30	4871.01	4902.59
K 766.491	9934.20	9951.41	9957.65
Mg 279.078	4908.68	4901.61	4902.04
Mn 257.610	4988.27	4978.36	5004.88
Mo 202.032	489.680	492.935	492.005
Na 330.237	6812.69	7084.87	6909.69
Ni 231.604	2482.76	2491.87	2479.75
Pb 220.353	486.091	489.776	492.934
Sb 206.834	924.125	934.775	935.524
Se 196.026	4892.03	4887.84	4902.48
Sn 189.925	4885.23	4876.89	4891.54
Sr 216.596	2455.45	2454.42	2456.56
Ti 334.941	482.747	483.048	483.619
Tl 190.794	5032.41	4989.73	5000.44
V 292.401	4886.02	4888.07	4896.57
Zn 206.200	2474.19	2465.38	2471.10

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Ag 328.068	498.832	ppb	2.7550	0.6	23940.4	99.76637
Al 308.215	4855.43	ppb	3.4047	0.1	28132.5	97.10863
As 188.980	475.859	ppb	3.1529	0.7	222.660	95.17184
B 249.678	498.797	ppb	2.4733	0.5	6862.45	99.75943
Ba 389.178	4901.39	ppb	2.2487	0.0	102976	98.02772
Be 313.042	491.167	ppb	0.4491	0.1	1152822	98.23330
Ca 370.602	4921	ppb	6.959	0.1	18226	98.41940
Cd 226.502	488.818	ppb	0.5764	0.1	14319.8	97.76358
Co 228.615	490.967	ppb	2.1485	0.4	3752.97	98.19344
Cr 267.716	4910.65	ppb	3.5376	0.1	126396	98.21292
Cu 324.754	4934.23	ppb	43.8302	0.9	238921	98.68468
Fe 271.441	4884.63	ppb	16.2307	0.3	4399.13	97.69262

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
K 766.491	9947.75	ppb	12.1483	0.1	1273603	99.47753
Mg 279.078	4904.11	ppb	3.9623	0.1	10372.2	98.08220
Mn 257.610	4990.50	ppb	13.3968	0.3	689195	99.81009
Mo 202.032	491.540	ppb	1.6764	0.3	2723.53	98.30803
Na 330.237	6935.75	ppb	137.946	2.0	451.594	92.47666
Ni 231.604	2484.79	ppb	6.3098	0.3	6814.07	99.39177
Pb 220.353	489.600	ppb	3.4252	0.7	485.783	97.92007
Sb 206.834	931.475	ppb	6.3759	0.7	815.282	93.14746
Se 196.026	4894.12	ppb	7.5392	0.2	1694.32	97.88233
Sn 189.925	4884.55	ppb	7.3456	0.2	2632.59	97.69102
Sr 216.596	2455.48	ppb	1.0663	0.0	17699.7	98.21906
Ti 334.941	483.138	ppb	0.4430	0.1	169616	96.62756
Tl 190.794	5007.53	ppb	22.2034	0.4	2484.93	100.15056
V 292.401	4890.22	ppb	5.5946	0.1	157114	97.80442
Zn 206.200	2470.22	ppb	4.4684	0.2	4976.48	98.80881

Cont Calib Blank (CCB) **9/10/2014, 9:06:54 PM** **Rack 3, Tube 2**

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

Label	Replicates Concentration		
Ag 328.068	0.1779	-0.1593u	-0.0211u
Al 308.215	4.1918	4.2165	4.9372
As 188.980	3.0105	-1.8210u	-1.2648u
B 249.678	6.2742	4.5298	4.2362
Ba 389.178	-0.2241u	-0.2641u	-0.3470u
Be 313.042	-0.0456u	-0.0447u	-0.0494u
Ca 370.602	2.638	2.752	0.8880
Cd 226.502	0.0698	-0.0107u	-0.0492u
Co 228.615	0.4831	-0.2598u	0.1537
Cr 267.716	0.0439	0.2380	0.1127
Cu 324.754	0.4883	0.2207	0.3336
Fe 271.441	2.4596	8.7570	-3.6002u
K 766.491	0.0330	0.0935	0.0088
Mg 279.078	-1.4140u	1.2008	1.7960
Mn 257.610	0.0612	-0.0085u	0.0218
Mo 202.032	0.6133	-0.0363u	1.2387
Na 330.237	2.0043	-62.9026u	44.9185
Ni 231.604	1.2643	0.6907	0.1583
Pb 220.353	3.7347	1.4587	-1.4191u
Sb 206.834	2.2942	3.3732	5.5691
Se 196.026	1.0066	2.9668	1.3329
Sn 189.925	1.0313	1.3191	0.7682
Sr 216.596	-0.4004u	0.0813	-0.4056u
Ti 334.941	0.1088	0.1178	0.1203
Tl 190.794	9.2080	0.6608	7.0650
V 292.401	0.2045	0.4511	0.7295
Zn 206.200	-0.3414u	1.2302	-0.0015u

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Ag 328.068	-0.0009	ppb	0.1695	19792.7	-9.6154	-0.00086
Al 308.215	4.4485	ppb	0.4234	9.5	365.879	4.44846
As 188.980	-0.0251	ppb	2.6436	10547.0	-5.2373	-0.02506

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
B 249.678	5.0134	ppb	1.1017	22.0	106.501	5.01341
Ba 389.178	-0.2784	ppb	0.0627	22.5	-26.1016	-0.27840
Be 313.042	-0.0466	ppb	0.0025	5.3	-3180.97	-0.04656
Ca 370.602	2.093	ppb	1.045	49.9	4.660	2.09272
Cd 226.502	0.0033	ppb	0.0607	1827.1	18.6262	0.00332
Co 228.615	0.1257	ppb	0.3723	296.2	-8.8010	0.12568
Cr 267.716	0.1315	ppb	0.0984	74.9	8.1218	0.13153
Cu 324.754	0.3476	ppb	0.1344	38.7	242.308	0.34755
Fe 271.441	2.5388	ppb	6.1789	243.4	22.9104	2.53881
K 766.491	0.0451	ppb	0.0436	96.7	1739.93	0.04510
Mg 279.078	0.5276	ppb	1.7077	323.7	25.1658	0.52762
Mn 257.610	0.0248	ppb	0.0349	140.8	46.8307	0.02482
Mo 202.032	0.6052	ppb	0.6376	105.3	9.2007	0.60523
Na 330.237	-5.3265	ppb	54.2831	1019.1	56.0932	-5.32653
Ni 231.604	0.7044	ppb	0.5531	78.5	5.1053	0.70444
Pb 220.353	1.2581	ppb	2.5827	205.3	0.9114	1.25811
Sb 206.834	3.7455	ppb	1.6689	44.6	8.0743	3.74551
Se 196.026	1.7688	ppb	1.0503	59.4	8.7874	1.76876
Sn 189.925	1.0395	ppb	0.2755	26.5	-4.7056	1.03954
Sr 216.596	-0.2416	ppb	0.2796	115.7	0.4672	-0.24159
Ti 334.941	0.1156	ppb	0.0061	5.3	-39.5358	0.11563
Tl 190.794	5.6446	ppb	4.4471	78.8	-4.2403	5.64460
V 292.401	0.4617	ppb	0.2626	56.9	17.0117	0.46170
Zn 206.200	0.2958	ppb	0.8269	279.6	2.3692	0.29577

680-104982-a-1-b (Samp) **9/10/2014, 9:11:23 PM** **Rack 3, Tube 3**

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

Label	Replicates Concentration		
Ag 328.068	0.1499	0.2988	0.0033
Al 308.215	17.6418	20.3105	19.8245
As 188.980	-0.0370u	-2.0946u	4.6098
B 249.678	40.6000	39.4903	40.4248
Ba 389.178	12.9382	13.1317	14.2366
Be 313.042	-0.1058u	-0.1152u	-0.1214u
Ca 370.602	4842	4844	4832
Cd 226.502	0.7334	0.8196	0.6480
Co 228.615	0.3182	-0.3680u	-0.0208u
Cr 267.716	447.909	448.638	447.076
Cu 324.754	0.5259	0.2495	0.3875
Fe 271.441	2.0502u	7.3357	1.5753u
K 766.491	465.197	464.531	465.178
Mg 279.078	196.881	193.339	193.802
Mn 257.610	2.0612	2.0820	2.0695
Mo 202.032	0.6537	0.6570	0.3291
Na 330.237	94710.1x	94055.8	94007.6x
Ni 231.604	0.2337	1.0284	0.7048
Pb 220.353	3.0633	1.4775	-0.9277u
Sb 206.834	-0.7546	1.6597	0.0348
Se 196.026	9.5059	-4.1117u	-2.6965u
Sn 189.925	-2.1500u	1.6947	0.0224
Sr 216.596	908.343	908.429	906.469

Label	Replicates Concentration		
Ti 334.941	1.7615	1.6764	1.9119
Tl 190.794	10.1154	5.1215	2.5753
V 292.401	0.4494u	0.8024u	0.9737u
Zn 206.200	2103.05	2109.65	2096.63

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	0.1507	ppb	0.1478	98.1	-2.1582
Al 308.215	19.2589	ppb	1.4214	7.4	449.752
As 188.980	0.8261	ppb	3.4345	415.8	-4.8298
B 249.678	40.1717	ppb	0.5966	1.5	586.853
Ba 389.178	13.4355	ppb	0.7005	5.2	262.470
Be 313.042	-0.1141	ppb	0.0079	6.9	-3349.66
Ca 370.602	4839	ppb	6.085	0.1	17888
Cd 226.502	0.7336	ppb	0.0858	11.7	39.6086
Co 228.615	-0.0235	ppb	0.3431	1458.4	-9.9201
Cr 267.716	447.874	ppb	0.7815	0.2	11536.9
Cu 324.754	0.3876	ppb	0.1382	35.7	239.566
Fe 271.441	3.6537	ppb	3.1975	87.5	21.9350
K 766.491	464.968	ppb	0.3792	0.1	61182.6
Mg 279.078	194.674	ppb	1.9257	1.0	435.237
Mn 257.610	2.0709	ppb	0.0105	0.5	330.230
Mo 202.032	0.5466	ppb	0.1884	34.5	8.8769
Na 330.237	94257.9x	ppb	392.424	0.4	5657.00
Ni 231.604	0.6557	ppb	0.3996	60.9	4.9739
Pb 220.353	1.2044	ppb	2.0095	166.9	1.0802
Sb 206.834	0.3133	ppb	1.2310	392.9	8.0329
Se 196.026	0.8992	ppb	7.4871	832.6	8.5131
Sn 189.925	-0.1443	ppb	1.9277	1335.8	-5.3261
Sr 216.596	907.747	ppb	1.1077	0.1	6575.33
Ti 334.941	1.7833	ppb	0.1193	6.7	538.606
Tl 190.794	5.9374	ppb	3.8357	64.6	-4.0942
V 292.401	0.7418	ppb	0.2673	36.0	-5.2110
Zn 206.200	2103.11	ppb	6.5110	0.3	4246.19

680-105007-a-2-c (Samp) **9/10/2014, 9:15:51 PM** **Rack 3, Tube 4**

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

Label	Replicates Concentration		
Ag 328.068	-0.0264u	-0.0308u	0.0888
Al 308.215	12.4115	11.4912	10.4494
As 188.980	1.6199	-6.6938u	-0.0384u
B 249.678	16.8141	17.2391	16.5647
Ba 389.178	0.7938	0.9462	0.1287
Be 313.042	-0.1090u	-0.1082u	-0.0966u
Ca 370.602	3007	3016	3007
Cd 226.502	0.2609	0.0415	-0.2824u
Co 228.615	0.5366	0.2912	0.0284
Cr 267.716	-0.0338u	0.2296	0.0926
Cu 324.754	0.6012	0.7397	0.8267
Fe 271.441	18.2110	18.0213	12.8018
K 766.491	127.909	127.931	127.356
Mg 279.078	95.2169	93.0204	97.6632

Label	Replicates Concentration		
Mn 257.610	26.4594	26.6569	26.4873
Mo 202.032	0.3549	0.1135	0.9836
Na 330.237	80376.9	80748.8	80213.4
Ni 231.604	0.0728	0.7700	0.5948
Pb 220.353	3.1072	0.9498	4.3333
Sb 206.834	3.1554	3.5608	-0.9867u
Se 196.026	-7.6375u	8.1267	-7.5616u
Sn 189.925	-5.9195u	5.7184	-1.0601u
Sr 216.596	3.5824	4.0567	3.2438
Ti 334.941	0.1443	0.1615	0.1597
Tl 190.794	-3.6959u	3.4112	0.3031
V 292.401	0.0121u	0.2520	0.1618
Zn 206.200	454.983	457.999	457.318

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	0.0105	ppb	0.0678	644.2	-8.9878
Al 308.215	11.4507	ppb	0.9817	8.6	405.521
As 188.980	-1.7041	ppb	4.4000	258.2	-6.0412
B 249.678	16.8727	ppb	0.3410	2.0	268.523
Ba 389.178	0.6229	ppb	0.4347	69.8	-6.9049
Be 313.042	-0.1046	ppb	0.0069	6.6	-3326.32
Ca 370.602	3010	ppb	5.590	0.2	11124
Cd 226.502	0.0067	ppb	0.2733	4094.9	18.4588
Co 228.615	0.2854	ppb	0.2542	89.0	-7.5733
Cr 267.716	0.0961	ppb	0.1317	137.0	7.8723
Cu 324.754	0.7225	ppb	0.1137	15.7	257.562
Fe 271.441	16.3447	ppb	3.0697	18.8	35.1787
K 766.491	127.732	ppb	0.3257	0.3	18065.3
Mg 279.078	95.3002	ppb	2.3225	2.4	225.310
Mn 257.610	26.5345	ppb	0.1069	0.4	3707.78
Mo 202.032	0.4840	ppb	0.4492	92.8	8.5289
Na 330.237	80446.4	ppb	274.375	0.3	4840.33
Ni 231.604	0.4792	ppb	0.3627	75.7	4.4888
Pb 220.353	2.7967	ppb	1.7130	61.2	2.4338
Sb 206.834	1.9098	ppb	2.5166	131.8	6.5238
Se 196.026	-2.3575	ppb	9.0796	385.1	7.3859
Sn 189.925	-0.4204	ppb	5.8452	1390.4	-5.4780
Sr 216.596	3.6276	ppb	0.4083	11.3	29.1460
Ti 334.941	0.1552	ppb	0.0094	6.1	-32.2094
Tl 190.794	0.0061	ppb	3.5629	58016.7	-7.0383
V 292.401	0.1420	ppb	0.1212	85.4	6.0996
Zn 206.200	456.767	ppb	1.5819	0.3	923.840

680-105007-a-2-cSD^5 (Samp) **9/10/2014, 9:20:19 PM** **Rack 3, Tube 5**

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

Label	Replicates Concentration		
Ag 328.068	-0.3763u	0.4071	-0.2884u
Al 308.215	4.3977	3.0233	4.1098
As 188.980	6.4841	-2.3083u	5.3902
B 249.678	4.4796	4.4371	4.0401
Ba 389.178	-0.8295u	-0.0108u	0.6444

Label	Replicates Concentration		
Be 313.042	-0.0744u	-0.0796u	-0.0848u
Ca 370.602	691.9	679.3	660.5
Cd 226.502	-0.0460u	0.0077	-0.0808u
Co 228.615	0.3554	0.9606	0.0100
Cr 267.716	-0.0072u	-0.2091u	0.0627
Cu 324.754	0.2212	0.1142	0.2326
Fe 271.441	4.5156	1.3626	11.6700
K 766.491	26.5386	26.2168	25.4244
Mg 279.078	25.8479	21.8086	21.7566
Mn 257.610	5.8069	5.6631	5.6092
Mo 202.032	0.2504	-0.3091u	0.1783
Na 330.237	17651.4	17478.9	17084.2
Ni 231.604	0.7346	0.5318	1.6341
Pb 220.353	-4.5319u	0.7208	-1.6443u
Sb 206.834	3.9003	0.6988	1.5379
Se 196.026	4.7998	-5.0111u	-1.9396u
Sn 189.925	-1.1345u	2.5222	-3.2600u
Sr 216.596	0.3374	0.0638	1.0501
Ti 334.941	0.0807	0.0334	0.0559
Tl 190.794	3.3772	2.5029	3.9211
V 292.401	0.0832	0.0837	0.1862
Zn 206.200	103.784	102.387	99.9989

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.0859	ppb	0.4292	499.9	-13.6746
Al 308.215	3.8436	ppb	0.7248	18.9	362.394
As 188.980	3.1887	ppb	4.7918	150.3	-3.6989
B 249.678	4.3189	ppb	0.2424	5.6	96.9788
Ba 389.178	-0.0653	ppb	0.7384	1130.7	-21.5653
Be 313.042	-0.0796	ppb	0.0052	6.5	-3260.51
Ca 370.602	677.2	ppb	15.79	2.3	2501
Cd 226.502	-0.0397	ppb	0.0446	112.4	17.3098
Co 228.615	0.4420	ppb	0.4812	108.9	-6.3664
Cr 267.716	-0.0512	ppb	0.1411	275.7	3.5622
Cu 324.754	0.1893	ppb	0.0653	34.5	234.000
Fe 271.441	5.8494	ppb	5.2816	90.3	25.8848
K 766.491	26.0599	ppb	0.5734	2.2	5066.05
Mg 279.078	23.1377	ppb	2.3472	10.1	72.9165
Mn 257.610	5.6931	ppb	0.1022	1.8	829.623
Mo 202.032	0.0399	ppb	0.3044	763.3	6.0720
Na 330.237	17404.9	ppb	290.766	1.7	1091.42
Ni 231.604	0.9668	ppb	0.5867	60.7	5.8247
Pb 220.353	-1.8185	ppb	2.6306	144.7	-2.1336
Sb 206.834	2.0457	ppb	1.6600	81.1	6.6451
Se 196.026	-0.7170	ppb	5.0184	699.9	7.9357
Sn 189.925	-0.6241	ppb	2.9247	468.6	-5.6006
Sr 216.596	0.4838	ppb	0.5092	105.3	5.8628
Ti 334.941	0.0567	ppb	0.0236	41.7	-61.6469
Tl 190.794	3.2670	ppb	0.7155	21.9	-5.4204
V 292.401	0.1177	ppb	0.0593	50.4	5.9327
Zn 206.200	102.057	ppb	1.9140	1.9	207.792

680-105007-a-2-cPDS (Samp) **9/10/2014, 9:24:48 PM** **Rack 3, Tube 6**

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

Label	Replicates Concentration		
Ag 328.068	51.6759	52.0920	52.3347
Al 308.215	2154.96	2172.03	2161.78
As 188.980	209.870	202.441	216.185
B 249.678	537.650	539.637	541.959
Ba 389.178	219.127	219.171	219.614
Be 313.042	55.3403	55.5715	55.5424
Ca 370.602	5003	5024	5016
Cd 226.502	55.0692	55.3147	55.3461
Co 228.615	219.008	218.832	219.329
Cr 267.716	219.959	221.239	220.489
Cu 324.754	225.055	224.625	224.597
Fe 271.441	2186.02	2183.63	2187.70
K 766.491	2619.78	2635.16	2626.18
Mg 279.078	2248.94	2259.09	2252.09
Mn 257.610	254.859	255.587	255.626
Mo 202.032	217.606	217.412	218.350
Na 330.237	82159.5	82556.3	82344.7
Ni 231.604	215.413	219.683	218.382
Pb 220.353	217.482	215.636	215.604
Sb 206.834	209.956	207.960	200.888
Se 196.026	215.625	212.038	206.541
Sn 189.925	217.608	217.142	215.489
Sr 216.596	223.087	221.245	223.311
Ti 334.941	216.870	218.109	217.647
Tl 190.794	222.850	216.700	208.542
V 292.401	217.936	219.561	219.273
Zn 206.200	672.107	674.433	670.929

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	52.0342	ppb	0.3332	0.6	2486.68
Al 308.215	2162.92	ppb	8.5913	0.4	12620.4
As 188.980	209.498	ppb	6.8796	3.3	95.1017
B 249.678	539.748	ppb	2.1566	0.4	7413.90
Ba 389.178	219.304	ppb	0.2691	0.1	4597.39
Be 313.042	55.4847	ppb	0.1259	0.2	127370
Ca 370.602	5014	ppb	10.45	0.2	18550
Cd 226.502	55.2433	ppb	0.1516	0.3	1638.78
Co 228.615	219.057	ppb	0.2520	0.1	1669.12
Cr 267.716	220.563	ppb	0.6429	0.3	5682.35
Cu 324.754	224.759	ppb	0.2568	0.1	11093.8
Fe 271.441	2185.78	ppb	2.0452	0.1	1972.96
K 766.491	2627.04	ppb	7.7291	0.3	337614
Mg 279.078	2253.38	ppb	5.1962	0.2	4779.02
Mn 257.610	255.357	ppb	0.4320	0.2	35321.8
Mo 202.032	217.789	ppb	0.4952	0.2	1210.85
Na 330.237	82353.5	ppb	198.525	0.2	4948.62
Ni 231.604	217.826	ppb	2.1889	1.0	600.306
Pb 220.353	216.241	ppb	1.0752	0.5	213.394
Sb 206.834	206.268	ppb	4.7649	2.3	176.978
Se 196.026	211.401	ppb	4.5751	2.2	81.0683

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Sn 189.925	216.747	ppb	1.1135	0.5	111.801
Sr 216.596	222.548	ppb	1.1338	0.5	1606.63
Ti 334.941	217.542	ppb	0.6259	0.3	76322.6
Tl 190.794	216.031	ppb	7.1774	3.3	100.490
V 292.401	218.923	ppb	0.8672	0.4	6991.08
Zn 206.200	672.489	ppb	1.7829	0.3	1358.83

680-105007-a-2-f ms (Samp) **9/10/2014, 9:29:17 PM** **Rack 3, Tube 7**

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

Label	Replicates Concentration		
Ag 328.068	165.052	164.785	163.920
Al 308.215	1573.93	1575.76	1576.89
As 188.980	157.459	158.698	160.113
B 249.678	319.612	320.154	322.472
Ba 389.178	153.717	153.406	153.291
Be 313.042	158.291	158.277	158.116
Ca 370.602	17821	17835	17799
Cd 226.502	154.565	154.815	155.019
Co 228.615	156.707	157.136	156.094
Cr 267.716	158.546	158.886	158.307
Cu 324.754	163.696	163.231	162.116
Fe 271.441	15652.1	15644.5	15622.4
K 766.491	16937.2	16960.1	16913.8
Mg 279.078	15437.2	15449.2	15439.0
Mn 257.610	1660.52	1661.20	1659.29
Mo 202.032	161.295	162.485	159.732
Na 330.237	82164.6	82110.3	81671.8
Ni 231.604	156.535	159.556	158.881
Pb 220.353	161.105	154.381	158.120
Sb 206.834	158.039	155.795	142.926
Se 196.026	155.375	153.224	145.304
Sn 189.925	154.332	159.071	152.112
Sr 216.596	160.244	160.997	159.180
Ti 334.941	161.671	161.748	161.539
Tl 190.794	26.2411	33.8590	25.5032
V 292.401	161.629	161.229	161.247
Zn 206.200	529.043	533.675	530.354

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	164.586	ppb	0.5920	0.4	7887.13
Al 308.215	1575.52	ppb	1.4957	0.1	9285.77
As 188.980	158.757	ppb	1.3278	0.8	70.7005
B 249.678	320.746	ppb	1.5194	0.5	4411.76
Ba 389.178	153.471	ppb	0.2201	0.1	3271.76
Be 313.042	158.228	ppb	0.0973	0.1	368858
Ca 370.602	17818	ppb	18.39	0.1	65685
Cd 226.502	154.800	ppb	0.2270	0.1	4584.01
Co 228.615	156.646	ppb	0.5239	0.3	1191.44
Cr 267.716	158.580	ppb	0.2907	0.2	4086.97
Cu 324.754	163.014	ppb	0.8120	0.5	8094.42
Fe 271.441	15639.7	ppb	15.4141	0.1	13890.4

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
K 766.491	16937.0	ppb	23.1322	0.1	2167217
Mg 279.078	15441.8	ppb	6.4847	0.0	32607.6
Mn 257.610	1660.34	ppb	0.9705	0.1	229433
Mo 202.032	161.171	ppb	1.3810	0.9	896.426
Na 330.237	81982.2	ppb	270.177	0.3	4921.73
Ni 231.604	158.324	ppb	1.5852	1.0	437.693
Pb 220.353	157.869	ppb	3.3688	2.1	155.545
Sb 206.834	152.254	ppb	8.1551	5.4	131.890
Se 196.026	151.301	ppb	5.3037	3.5	60.8131
Sn 189.925	155.172	ppb	3.5549	2.3	78.5485
Sr 216.596	160.141	ppb	0.9131	0.6	1169.36
Ti 334.941	161.652	ppb	0.1058	0.1	56722.8
Tl 190.794	28.5344	ppb	4.6259	16.2	6.9174
V 292.401	161.368	ppb	0.2258	0.1	5159.83
Zn 206.200	531.024	ppb	2.3874	0.4	1073.70

680-105007-a-2-g msd (Samp) **9/10/2014, 9:33:46 PM** **Rack 3, Tube 8**

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

Label	Replicates Concentration		
Ag 328.068	167.296	166.604	165.993
Al 308.215	1605.61	1603.20	1602.72
As 188.980	162.427	162.471	150.726
B 249.678	325.748	324.937	325.861
Ba 389.178	156.115	155.033	156.046
Be 313.042	160.939	160.689	160.631
Ca 370.602	18079	18052	18084
Cd 226.502	157.502	157.357	157.308
Co 228.615	157.967	158.242	157.750
Cr 267.716	161.466	160.872	161.418
Cu 324.754	165.832	165.808	165.488
Fe 271.441	15905.9	15825.2	15836.8
K 766.491	17295.9	17226.9	17218.2
Mg 279.078	15739.3	15716.8	15712.2
Mn 257.610	1688.89	1685.61	1685.01
Mo 202.032	162.303	163.631	162.984
Na 330.237	82439.1	82439.3	82603.2
Ni 231.604	161.237	160.293	158.570
Pb 220.353	158.093	164.661	158.554
Sb 206.834	160.198	154.270	158.137
Se 196.026	165.864	147.427	154.272
Sn 189.925	155.097	158.081	153.770
Sr 216.596	162.211	162.386	161.963
Ti 334.941	161.863	161.567	161.639
Tl 190.794	26.5746	28.6221	36.9676
V 292.401	164.055	163.561	163.664
Zn 206.200	540.563	534.413	527.998

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	166.631	ppb	0.6518	0.4	7985.29
Al 308.215	1603.84	ppb	1.5489	0.1	9446.49
As 188.980	158.541	ppb	6.7684	4.3	70.5956

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
B 249.678	325.515	ppb	0.5039	0.2	4476.77
Ba 389.178	155.731	ppb	0.6057	0.4	3320.53
Be 313.042	160.753	ppb	0.1638	0.1	374793
Ca 370.602	18072	ppb	17.08	0.1	66618
Cd 226.502	157.389	ppb	0.1010	0.1	4660.48
Co 228.615	157.987	ppb	0.2467	0.2	1201.71
Cr 267.716	161.252	ppb	0.3299	0.2	4155.75
Cu 324.754	165.710	ppb	0.1921	0.1	8224.60
Fe 271.441	15856.0	ppb	43.6437	0.3	14082.2
K 766.491	17247.0	ppb	42.5859	0.2	2206850
Mg 279.078	15722.8	ppb	14.5242	0.1	33200.4
Mn 257.610	1686.50	ppb	2.0914	0.1	233048
Mo 202.032	162.973	ppb	0.6642	0.4	906.370
Na 330.237	82493.8	ppb	94.6923	0.1	4952.02
Ni 231.604	160.033	ppb	1.3525	0.8	442.390
Pb 220.353	160.436	ppb	3.6663	2.3	158.081
Sb 206.834	157.535	ppb	3.0095	1.9	136.342
Se 196.026	155.854	ppb	9.3196	6.0	62.3906
Sn 189.925	155.649	ppb	2.2082	1.4	78.8065
Sr 216.596	162.187	ppb	0.2127	0.1	1184.36
Ti 334.941	161.690	ppb	0.1546	0.1	56736.5
Tl 190.794	30.7214	ppb	5.5054	17.9	7.9988
V 292.401	163.760	ppb	0.2608	0.2	5236.36
Zn 206.200	534.325	ppb	6.2830	1.2	1080.37

680-105009-c-1-b (Samp) **9/10/2014, 9:38:15 PM** **Rack 3, Tube 9**

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

Label	Replicates Concentration		
Ag 328.068	-0.4987u	0.0588	-0.3615u
Al 308.215	11.2784	9.7999	9.5398
As 188.980	0.9349	1.1170	-0.4141u
B 249.678	37.3347	35.9597	36.9836
Ba 389.178	0.9582	0.1030	1.1565
Be 313.042	-0.0944u	-0.1094u	-0.0912u
Ca 370.602	1353	1341	1352
Cd 226.502	-0.2540u	0.0916	-0.0981u
Co 228.615	0.3201	0.3075	-0.1169u
Cr 267.716	0.3355	0.3746	0.2554
Cu 324.754	0.4209	0.1814	0.5741
Fe 271.441	29.4561	31.2982	25.5673
K 766.491	88.2492	87.6116	87.8080
Mg 279.078	124.272	127.019	127.353
Mn 257.610	5.3796	5.2767	5.3041
Mo 202.032	3.5325	3.3324	2.6848
Na 330.237	85214.1	84621.5	85250.4
Ni 231.604	2.1666	1.1512	1.4754
Pb 220.353	3.2596	1.4004	-0.5088u
Sb 206.834	0.5827	0.4242	1.3298
Se 196.026	-3.3867u	4.3161	5.7602
Sn 189.925	-1.8360u	-4.3408u	2.6210
Sr 216.596	5.7514	5.5931	6.1433

Label	Replicates Concentration		
Ti 334.941	0.0946	0.1249	0.1177
Tl 190.794	0.7959	7.8635	-4.4060u
V 292.401	0.2794	0.3178	0.4570
Zn 206.200	10.3356	10.8026	12.3617

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.2671	ppb	0.2905	108.7	-22.3721
Al 308.215	10.2060	ppb	0.9377	9.2	398.648
As 188.980	0.5459	ppb	0.8364	153.2	-4.9635
B 249.678	36.7593	ppb	0.7144	1.9	540.199
Ba 389.178	0.7392	ppb	0.5598	75.7	-4.3470
Be 313.042	-0.0983	ppb	0.0097	9.9	-3313.13
Ca 370.602	1348	ppb	6.762	0.5	4981
Cd 226.502	-0.0868	ppb	0.1731	199.3	15.7504
Co 228.615	0.1702	ppb	0.2487	146.1	-8.5082
Cr 267.716	0.3219	ppb	0.0608	18.9	13.7213
Cu 324.754	0.3921	ppb	0.1979	50.5	243.222
Fe 271.441	28.7738	ppb	2.9257	10.2	46.1880
K 766.491	87.8896	ppb	0.3265	0.4	12971.3
Mg 279.078	126.215	ppb	1.6904	1.3	290.574
Mn 257.610	5.3201	ppb	0.0533	1.0	778.586
Mo 202.032	3.1832	ppb	0.4431	13.9	23.4654
Na 330.237	85028.6	ppb	353.056	0.4	5114.22
Ni 231.604	1.5977	ppb	0.5187	32.5	7.5548
Pb 220.353	1.3837	ppb	1.8843	136.2	1.0331
Sb 206.834	0.7789	ppb	0.4836	62.1	5.5241
Se 196.026	2.2299	ppb	4.9174	220.5	8.9543
Sn 189.925	-1.1853	ppb	3.5262	297.5	-5.8902
Sr 216.596	5.8293	ppb	0.2832	4.9	44.6774
Ti 334.941	0.1124	ppb	0.0158	14.1	-47.5262
Tl 190.794	1.4178	ppb	6.1583	434.4	-6.3416
V 292.401	0.3514	ppb	0.0934	26.6	12.1547
Zn 206.200	11.1666	ppb	1.0610	9.5	24.3142

lb2 680-347881/9-d (Samp) **9/10/2014, 9:42:44 PM** **Rack 3, Tube 10**

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

Label	Replicates Concentration		
Ag 328.068	0.0153	0.1113	-0.0867u
Al 308.215	4.8359	8.4806	6.9524
As 188.980	-6.1323u	4.7625	-0.4756u
B 249.678	14.7830	15.1925	14.6820
Ba 389.178	-1.0445u	-0.3601u	0.0258
Be 313.042	-0.0969u	-0.0952u	-0.0853u
Ca 370.602	116.3	115.7	119.6
Cd 226.502	-0.1650u	0.0482	0.1472
Co 228.615	-0.0067u	0.0647	0.1217
Cr 267.716	0.2049	0.0199	0.0230
Cu 324.754	0.4429	0.2632	0.3449
Fe 271.441	9.1225	8.7598	5.5608
K 766.491	25.5465	25.9718	25.6495
Mg 279.078	28.3831	28.0841	29.6467

Label	Replicates Concentration		
Mn 257.610	-0.1384u	-0.1822u	-0.1608u
Mo 202.032	0.5958	0.6658	0.1005
Na 330.237	79146.1	79145.9	79577.2
Ni 231.604	0.9464	1.1803	0.1589
Pb 220.353	2.9078	-1.2207u	-0.3942u
Sb 206.834	2.7749	2.7394	0.8892
Se 196.026	-7.7385u	0.7371	3.2014
Sn 189.925	-1.5550u	2.8117	0.0738
Sr 216.596	0.5666	1.1623	-0.6855u
Ti 334.941	0.1554	0.1997	0.1616
Tl 190.794	-2.7428u	9.8895	-0.4664u
V 292.401	0.0776	0.1494	0.0299
Zn 206.200	1.3982	1.1273	1.2916

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	0.0133	ppb	0.0990	743.1	-8.9380
Al 308.215	6.7563	ppb	1.8302	27.1	378.921
As 188.980	-0.6151	ppb	5.4487	885.8	-5.5198
B 249.678	14.8858	ppb	0.2703	1.8	241.358
Ba 389.178	-0.4596	ppb	0.5420	117.9	-29.8295
Be 313.042	-0.0925	ppb	0.0063	6.8	-3298.78
Ca 370.602	117.2	ppb	2.077	1.8	430.1
Cd 226.502	0.0102	ppb	0.1595	1569.9	18.5416
Co 228.615	0.0599	ppb	0.0643	107.3	-9.3021
Cr 267.716	0.0826	ppb	0.1059	128.2	7.5152
Cu 324.754	0.3503	ppb	0.0900	25.7	242.337
Fe 271.441	7.8144	ppb	1.9601	25.1	27.6080
K 766.491	25.7226	ppb	0.2219	0.9	5022.92
Mg 279.078	28.7047	ppb	0.8294	2.9	84.6695
Mn 257.610	-0.1605	ppb	0.0219	13.7	21.1956
Mo 202.032	0.4540	ppb	0.3081	67.9	8.3639
Na 330.237	79289.8	ppb	248.944	0.3	4772.89
Ni 231.604	0.7619	ppb	0.5351	70.2	5.2629
Pb 220.353	0.4310	ppb	2.1844	506.9	0.0925
Sb 206.834	2.1345	ppb	1.0786	50.5	6.7146
Se 196.026	-1.2667	ppb	5.7386	453.0	7.7428
Sn 189.925	0.4435	ppb	2.2067	497.5	-5.0118
Sr 216.596	0.3478	ppb	0.9431	271.2	4.7496
Ti 334.941	0.1722	ppb	0.0240	13.9	-26.2402
Tl 190.794	2.2268	ppb	6.7330	302.4	-5.9387
V 292.401	0.0856	ppb	0.0602	70.3	4.2986
Zn 206.200	1.2724	ppb	0.1364	10.7	4.3408

mb 680-348065/1-b (Samp) **9/10/2014, 9:47:13 PM** **Rack 3, Tube 11**

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

Label	Replicates Concentration		
Ag 328.068	-0.1683u	-0.2628u	-0.2108u
Al 308.215	4.3830	3.6833	6.7718
As 188.980	-2.3268u	-1.8552u	4.1734
B 249.678	2.4144	2.3282	2.2323
Ba 389.178	-0.4955u	-0.1527u	-0.4227u

Label	Replicates Concentration		
Be 313.042	-0.0554u	-0.0597u	-0.0817u
Ca 370.602	5.903	9.305	11.26
Cd 226.502	-0.2364u	0.1458	0.3071
Co 228.615	-0.3315u	0.1630	-0.3801u
Cr 267.716	-0.1409u	-0.0516u	0.0199
Cu 324.754	-0.0964u	0.0050	0.2390
Fe 271.441	2.8675	-2.0898u	0.8079
K 766.491	-0.0752u	0.1235	0.3380
Mg 279.078	0.7289	3.9509	0.3180
Mn 257.610	-0.1892u	-0.2091u	-0.2209u
Mo 202.032	-0.4378u	-0.1767u	0.1032
Na 330.237	170.712	-16.7754u	-78.0482u
Ni 231.604	1.8226	-0.1247u	-0.5625u
Pb 220.353	2.7233	3.2170	4.1402
Sb 206.834	2.3321	2.6040	-2.2362u
Se 196.026	-5.5370u	-8.4474u	-0.0302u
Sn 189.925	-1.7003u	3.1776	-1.0917u
Sr 216.596	-0.7070u	-0.3253u	0.1610
Ti 334.941	0.1524	0.0813	0.0609
Tl 190.794	-0.7206u	2.2739	5.2345
V 292.401	0.3165	0.1624	0.1629
Zn 206.200	1.2084	0.4230	0.4512

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.2140	ppb	0.0473	22.1	-19.8358
Al 308.215	4.9460	ppb	1.6194	32.7	368.635
As 188.980	-0.0029	ppb	3.6244	125153.3	-5.2268
B 249.678	2.3250	ppb	0.0911	3.9	69.7412
Ba 389.178	-0.3569	ppb	0.1806	50.6	-27.7558
Be 313.042	-0.0656	ppb	0.0141	21.6	-3225.63
Ca 370.602	8.823	ppb	2.712	30.7	29.58
Cd 226.502	0.0722	ppb	0.2791	386.8	20.6307
Co 228.615	-0.1829	ppb	0.3005	164.3	-11.1528
Cr 267.716	-0.0575	ppb	0.0806	140.1	3.2567
Cu 324.754	0.0492	ppb	0.1720	349.5	227.854
Fe 271.441	0.5285	ppb	2.4904	471.2	21.1342
K 766.491	0.1288	ppb	0.2066	160.4	1750.63
Mg 279.078	1.6659	ppb	1.9895	119.4	27.5758
Mn 257.610	-0.2064	ppb	0.0160	7.8	14.9054
Mo 202.032	-0.1704	ppb	0.2706	158.8	4.9085
Na 330.237	25.2963	ppb	129.607	512.4	57.9151
Ni 231.604	0.3785	ppb	1.2697	335.5	4.2118
Pb 220.353	3.3602	ppb	0.7192	21.4	2.9925
Sb 206.834	0.8999	ppb	2.7194	302.2	5.6806
Se 196.026	-4.6715	ppb	4.2748	91.5	6.5696
Sn 189.925	0.1285	ppb	2.6580	2068.1	-5.1975
Sr 216.596	-0.2904	ppb	0.4351	149.8	0.1203
Ti 334.941	0.0982	ppb	0.0481	48.9	-45.6549
Tl 190.794	2.2626	ppb	2.9776	131.6	-5.9204
V 292.401	0.2139	ppb	0.0889	41.5	9.2255
Zn 206.200	0.6942	ppb	0.4455	64.2	3.1739

lcs 680-348065/2-b (Samp) **9/10/2014, 9:51:42 PM** **Rack 3, Tube 12**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Replicates Concentration		
Ag 328.068	51.6630	51.0477	52.0535
Al 308.215	4912.56	4898.18	4914.38
As 188.980	107.375	102.619	104.530
B 249.678	198.815	198.647	200.133
Ba 389.178	97.8382	98.3642	99.2734
Be 313.042	50.6929	50.6226	50.7746
Ca 370.602	4868	4861	4860
Cd 226.502	49.9498	50.1945	50.7699
Co 228.615	50.2264	50.6803	50.4749
Cr 267.716	100.087	100.138	100.371
Cu 324.754	100.426	99.5522	101.078
Fe 271.441	4949.13	4947.83	4934.43
K 766.491	4985.71	4971.51	4990.67
Mg 279.078	4924.32	4901.25	4923.20
Mn 257.610	517.415	516.688	518.651
Mo 202.032	97.5695	98.1575	99.8981
Na 330.237	4823.90	4676.49	4988.74
Ni 231.604	98.7491	98.8063	98.9647
Pb 220.353	48.3842	49.7750	52.9725
Sb 206.834	49.1129	53.8861	50.0825
Se 196.026	108.035	95.7408	98.1221
Sn 189.925	195.417	204.246	198.015
Sr 216.596	99.0730	99.2712	96.2662
Ti 334.941	99.0950	98.6583	98.9989
Tl 190.794	37.8630	32.4173	48.1596
V 292.401	99.6981	99.2007	100.067
Zn 206.200	101.712	100.695	101.331

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	51.5881	ppb	0.5071	1.0	2465.67
Al 308.215	4908.37	ppb	8.8737	0.2	28162.7
As 188.980	104.841	ppb	2.3934	2.3	44.9522
B 249.678	199.198	ppb	0.8137	0.4	2756.93
Ba 389.178	98.4919	ppb	0.7261	0.7	2070.61
Be 313.042	50.6967	ppb	0.0761	0.2	116107
Ca 370.602	4863	ppb	4.074	0.1	17927
Cd 226.502	50.3047	ppb	0.4210	0.8	1501.90
Co 228.615	50.4605	ppb	0.2273	0.5	376.992
Cr 267.716	100.199	ppb	0.1515	0.2	2583.75
Cu 324.754	100.352	ppb	0.7656	0.8	5075.49
Fe 271.441	4943.80	ppb	8.1385	0.2	4405.22
K 766.491	4982.63	ppb	9.9446	0.2	638788
Mg 279.078	4916.26	ppb	13.0096	0.3	10397.8
Mn 257.610	517.585	ppb	0.9926	0.2	71552.8
Mo 202.032	98.5417	ppb	1.2109	1.2	550.742
Na 330.237	4829.71	ppb	156.206	3.2	339.546
Ni 231.604	98.8400	ppb	0.1117	0.1	274.270
Pb 220.353	50.3772	ppb	2.3527	4.7	49.2005
Sb 206.834	51.0272	ppb	2.5229	4.9	47.0185
Se 196.026	100.633	ppb	6.5204	6.5	42.9961

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Sn 189.925	199.226	ppb	4.5376	2.3	102.324
Sr 216.596	98.2035	ppb	1.6807	1.7	713.397
Ti 334.941	98.9174	ppb	0.2295	0.2	34672.3
Tl 190.794	39.4800	ppb	7.9948	20.3	12.4833
V 292.401	99.6553	ppb	0.4348	0.4	3185.75
Zn 206.200	101.246	ppb	0.5136	0.5	206.022

Cont Calib Verif (CCV) **9/10/2014, 9:56:11 PM** **Rack 3, Tube 13**

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

Label	Replicates Concentration		
Ag 328.068	497.085	496.545	498.477
Al 308.215	4864.33	4852.88	4867.83
As 188.980	481.381	486.054	479.930
B 249.678	498.512	499.914	502.081
Ba 389.178	4908.67	4906.57	4913.81
Be 313.042	491.656	490.865	492.695
Ca 370.602	4922	4911	4925
Cd 226.502	488.129	490.001	490.270
Co 228.615	490.636	489.849	491.304
Cr 267.716	4924.71	4916.88	4927.04
Cu 324.754	4919.56	4919.45	4943.76
Fe 271.441	4887.66	4887.65	4898.76
K 766.491	9943.75	9937.01	9956.05
Mg 279.078	4908.90	4897.94	4912.56
Mn 257.610	4986.15	4985.88	5012.86
Mo 202.032	490.970	492.638	493.531
Na 330.237	6953.88	7084.30	7154.90
Ni 231.604	2480.28	2478.73	2487.74
Pb 220.353	494.155	494.418	499.021
Sb 206.834	933.187	939.805	938.248
Se 196.026	4888.73	4869.10	4934.47
Sn 189.925	4880.74	4876.04	4912.66
Sr 216.596	2456.23	2457.30	2462.27
Ti 334.941	483.831	482.987	483.888
Tl 190.794	5034.54	5001.53	5007.33
V 292.401	4898.40	4893.14	4900.62
Zn 206.200	2472.77	2475.39	2479.72

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Ag 328.068	497.369	ppb	0.9970	0.2	23870.3	99.47383
Al 308.215	4861.68	ppb	7.8187	0.2	28168.1	97.23361
As 188.980	482.455	ppb	3.2001	0.7	225.817	96.49101
B 249.678	500.169	ppb	1.7984	0.4	6881.22	100.03377
Ba 389.178	4909.68	ppb	3.7247	0.1	103150	98.19365
Be 313.042	491.739	ppb	0.9181	0.2	1154168	98.34776
Ca 370.602	4919	ppb	7.056	0.1	18220	98.38530
Cd 226.502	489.467	ppb	1.1663	0.2	14338.7	97.89335
Co 228.615	490.596	ppb	0.7286	0.1	3750.11	98.11923
Cr 267.716	4922.88	ppb	5.3241	0.1	126711	98.45752
Cu 324.754	4927.59	ppb	14.0056	0.3	238600	98.55182
Fe 271.441	4891.36	ppb	6.4119	0.1	4404.99	97.82714

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
K 766.491	9945.60	ppb	9.6501	0.1	1273328	99.45602
Mg 279.078	4906.47	ppb	7.6067	0.2	10377.2	98.12935
Mn 257.610	4994.96	ppb	15.4961	0.3	689810	99.89926
Mo 202.032	492.380	ppb	1.3002	0.3	2728.18	98.47591
Na 330.237	7064.36	ppb	101.986	1.4	459.227	94.19147
Ni 231.604	2482.25	ppb	4.8164	0.2	6807.11	99.29008
Pb 220.353	495.865	ppb	2.7363	0.6	491.987	99.17297
Sb 206.834	937.080	ppb	3.4602	0.4	820.055	93.70797
Se 196.026	4897.43	ppb	33.5416	0.7	1695.46	97.94860
Sn 189.925	4889.81	ppb	19.9241	0.4	2635.43	97.79630
Sr 216.596	2458.60	ppb	3.2210	0.1	17722.3	98.34412
Ti 334.941	483.569	ppb	0.5041	0.1	169768	96.71370
Tl 190.794	5014.47	ppb	17.6235	0.4	2488.38	100.28940
V 292.401	4897.39	ppb	3.8424	0.1	157344	97.94771
Zn 206.200	2475.96	ppb	3.5135	0.1	4988.05	99.03838

Cont Calib Blank (CCB) **9/10/2014, 10:00:40 PM** **Rack 3, Tube 14**

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

Label	Replicates	Concentration	
Ag 328.068	0.0726	-0.1483u	0.1809
Al 308.215	2.0609	5.6676	3.3823
As 188.980	1.4587	0.0109	0.2169
B 249.678	5.4910	5.7760	4.7491
Ba 389.178	-0.0739u	-0.1395u	0.0332
Be 313.042	-0.0176u	-0.0596u	-0.0590u
Ca 370.602	4.405	0.2899	1.088
Cd 226.502	0.2320	0.0053	-0.0141u
Co 228.615	0.3510	0.6897	0.8857
Cr 267.716	0.4495	0.0318	0.2643
Cu 324.754	0.1993	0.7789	0.1179
Fe 271.441	-0.1211u	-4.8644u	2.9212
K 766.491	0.2757	-0.4111u	0.0674
Mg 279.078	4.4004	3.7105	1.3050
Mn 257.610	0.1148	0.0640	-0.0394u
Mo 202.032	0.6992	-0.0109u	0.1048
Na 330.237	-153.778u	32.4641	142.375
Ni 231.604	-0.8122u	1.7585	0.1344
Pb 220.353	3.7564	6.2937	2.0743
Sb 206.834	4.1858	3.4117	4.2556
Se 196.026	-6.6173u	5.0337	-3.7552u
Sn 189.925	-2.2212u	1.9172	0.6218
Sr 216.596	0.0702	-0.3447u	-0.1728u
Ti 334.941	0.0812	0.0824	0.0808
Tl 190.794	5.0210	-0.5653u	5.6858
V 292.401	0.3830	0.5054	0.3252
Zn 206.200	0.4979	0.4037	0.3689

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Ag 328.068	0.0351	ppb	0.1678	478.4	-7.8929	0.03507
Al 308.215	3.7036	ppb	1.8247	49.3	361.625	3.70360
As 188.980	0.5622	ppb	0.7832	139.3	-4.9562	0.56215

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
B 249.678	5.3387	ppb	0.5301	9.9	110.945	5.33869
Ba 389.178	-0.0601	ppb	0.0871	145.1	-21.5131	-0.06006
Be 313.042	-0.0454	ppb	0.0241	53.1	-3178.24	-0.04540
Ca 370.602	1.928	ppb	2.182	113.2	4.070	1.92751
Cd 226.502	0.0744	ppb	0.1368	183.8	20.7000	0.07443
Co 228.615	0.6421	ppb	0.2705	42.1	-4.8348	0.64213
Cr 267.716	0.2485	ppb	0.2093	84.2	11.1349	0.24852
Cu 324.754	0.3654	ppb	0.3605	98.7	243.168	0.36537
Fe 271.441	-0.6881	ppb	3.9237	570.2	20.0822	-0.68811
K 766.491	-0.0226	ppb	0.3521	1556.1	1731.27	-0.02263
Mg 279.078	3.1386	ppb	1.6250	51.8	30.6845	3.13861
Mn 257.610	0.0465	ppb	0.0786	169.1	49.8319	0.04647
Mo 202.032	0.2644	ppb	0.3810	144.1	7.3146	0.26438
Na 330.237	7.0204	ppb	149.707	2132.5	56.8289	7.02036
Ni 231.604	0.3602	ppb	1.3001	360.9	4.1618	0.36025
Pb 220.353	4.0415	ppb	2.1241	52.6	3.6666	4.04146
Sb 206.834	3.9510	ppb	0.4684	11.9	8.2543	3.95100
Se 196.026	-1.7796	ppb	6.0715	341.2	7.5655	-1.77962
Sn 189.925	0.1060	ppb	2.1169	1997.8	-5.2098	0.10596
Sr 216.596	-0.1491	ppb	0.2085	139.8	1.1430	-0.14909
Ti 334.941	0.0815	ppb	0.0008	1.0	-51.5136	0.08148
Tl 190.794	3.3805	ppb	3.4333	101.6	-5.3647	3.38050
V 292.401	0.4045	ppb	0.0920	22.7	15.2487	0.40453
Zn 206.200	0.4235	ppb	0.0667	15.8	2.6268	0.42349

680-104926-d-1-d (Samp) **9/10/2014, 10:05:09 PM** **Rack 3, Tube 15**

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

Label	Replicates Concentration		
Ag 328.068	-0.3379u	0.0287	-0.7869u
Al 308.215	13.4112	13.6453	13.6343
As 188.980	0.5391	0.7076	-7.6020u
B 249.678	122.535	122.024	122.685
Ba 389.178	42.1794	42.6712	43.1067
Be 313.042	-0.1428u	-0.1389u	-0.1388u
Ca 370.602	108486	108489	108496
Cd 226.502	-0.1856u	-0.2608u	-0.2325u
Co 228.615	0.1309	0.2827	0.5504
Cr 267.716	0.1646	0.2546	0.2030
Cu 324.754	0.5720u	-0.0146u	-0.0521u
Fe 271.441	-43.2760u	-46.4163u	-39.8026u
K 766.491	4197.76	4202.67	4196.45
Mg 279.078	8739.59	8731.26	8733.64
Mn 257.610	2.5078	2.5181	2.4956
Mo 202.032	1.7348	0.9371	0.7266
Na 330.237	152885x	154373x	153440x
Ni 231.604	-0.1550u	2.1483	1.1112
Pb 220.353	0.4839	9.0498	2.7099
Sb 206.834	-2.6646u	0.2376	5.0474
Se 196.026	0.1230	-18.8914u	-12.6374u
Sn 189.925	-2.4501u	-3.3471u	-4.1979u
Sr 216.596	659.288	661.356	661.500

Label	Replicates Concentration		
Ti 334.941	0.2320	0.2517	0.2353
Tl 190.794	-2.7913u	2.7111	-8.9811u
V 292.401	0.5485	0.5994	0.5373
Zn 206.200	-0.3396u	-1.2939u	-1.3299u

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.3654b	ppb	0.4085	111.8	-27.2776
Al 308.215	13.5636b	ppb	0.1321	1.0	417.560
As 188.980	-2.1184b	ppb	4.7497	224.2	-6.2389
B 249.678	122.415b	ppb	0.3469	0.3	1710.62
Ba 389.178	42.6524b	ppb	0.4639	1.1	897.551
Be 313.042	-0.1402b	ppb	0.0023	1.6	-3376.34
Ca 370.602	108490b	ppb	5.040	0.0	401074
Cd 226.502	-0.2263b	ppb	0.0380	16.8	11.2965
Co 228.615	0.3213b	ppb	0.2124	66.1	-7.3090
Cr 267.716	0.2074b	ppb	0.0452	21.8	11.3333
Cu 324.754	0.1684b	ppb	0.3500	207.8	129.129
Fe 271.441	-43.1650b	ppb	3.3083	7.7	-17.5168
K 766.491	4198.96b	ppb	3.2821	0.1	538592
Mg 279.078	8734.83b	ppb	4.2915	0.0	18473.3
Mn 257.610	2.5072b	ppb	0.0112	0.4	439.412
Mo 202.032	1.1329b	ppb	0.5318	46.9	12.1247
Na 330.237	153566xb	ppb	752.141	0.5	9191.18
Ni 231.604	1.0348b	ppb	1.1535	111.5	6.0091
Pb 220.353	4.0812b	ppb	4.4445	108.9	3.7051
Sb 206.834	0.8735b	ppb	3.8951	445.9	5.6383
Se 196.026	-10.4686b	ppb	9.6910	92.6	5.1309
Sn 189.925	-3.3317b	ppb	0.8740	26.2	-7.0358
Sr 216.596	660.715b	ppb	1.2378	0.2	4809.18
Ti 334.941	0.2397b	ppb	0.0105	4.4	9.5935
Tl 190.794	-3.0205b	ppb	5.8495	193.7	-8.5425
V 292.401	0.5617b	ppb	0.0331	5.9	18.9756
Zn 206.200	-0.9878b	ppb	0.5616	56.9	-0.2233

680-104926-d-1-dSD^5 (Samp) **9/10/2014, 10:09:38 PM** **Rack 3, Tube 16**

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

Label	Replicates Concentration		
Ag 328.068	-0.0962u	-0.2491u	0.2262
Al 308.215	5.1011	6.4556	7.7950
As 188.980	0.4271	1.8927	3.2286
B 249.678	30.4677	29.6970	29.1802
Ba 389.178	7.7417	7.4396	7.3310
Be 313.042	-0.0803u	-0.0991u	-0.0944u
Ca 370.602	25009	24497	23835
Cd 226.502	-0.0902u	0.0274	0.1706
Co 228.615	-0.3939u	0.2279	-0.3038u
Cr 267.716	-0.1850u	0.0769	-0.0508u
Cu 324.754	-0.1982u	-0.1221u	0.2826u
Fe 271.441	-23.7615u	-14.8154u	-27.4563u
K 766.491	833.720	817.498	793.612
Mg 279.078	2073.99	2031.68	1975.67

Label	Replicates Concentration		
Mn 257.610	0.3685	0.3432	0.4614
Mo 202.032	0.0713	0.2732	-0.0219u
Na 330.237	33097.4	32323.9	31501.3
Ni 231.604	0.1390	0.6666	-1.0331u
Pb 220.353	2.0998	-1.2538u	0.2871
Sb 206.834	-3.3473u	-3.4733u	-1.1636u
Se 196.026	11.3942	-4.3537u	-2.4775u
Sn 189.925	-1.8843u	-1.0801u	3.8941
Sr 216.596	156.675	152.628	148.619
Ti 334.941	0.1090	0.0469	0.0854
Tl 190.794	4.8966	4.2587	1.7820
V 292.401	0.4464	0.0474	0.2011
Zn 206.200	-1.2581u	-1.5773u	1.1657

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.0397	ppb	0.2427	611.2	-11.5201
Al 308.215	6.4506	ppb	1.3470	20.9	377.174
As 188.980	1.8495	ppb	1.4012	75.8	-4.3398
B 249.678	29.7816	ppb	0.6479	2.2	444.891
Ba 389.178	7.5041	ppb	0.2128	2.8	142.415
Be 313.042	-0.0913	ppb	0.0098	10.7	-3280.23
Ca 370.602	24447	ppb	588.9	2.4	90375
Cd 226.502	0.0360	ppb	0.1306	363.2	19.4112
Co 228.615	-0.1566	ppb	0.3360	214.6	-10.9577
Cr 267.716	-0.0530	ppb	0.1310	247.2	3.6375
Cu 324.754	-0.0126	ppb	0.2584	2059.1	201.326
Fe 271.441	-22.0111	ppb	6.4997	29.5	1.1742
K 766.491	814.944	ppb	20.1756	2.5	105929
Mg 279.078	2027.11	ppb	49.3179	2.4	4305.64
Mn 257.610	0.3910	ppb	0.0623	15.9	108.929
Mo 202.032	0.1075	ppb	0.1509	140.3	6.4487
Na 330.237	32307.5	ppb	798.170	2.5	1978.21
Ni 231.604	-0.0758	ppb	0.8699	1147.5	2.9657
Pb 220.353	0.3777	ppb	1.6786	444.4	0.0404
Sb 206.834	-2.6614	ppb	1.2987	48.8	2.6658
Se 196.026	1.5210	ppb	8.6017	565.5	8.8275
Sn 189.925	0.3099	ppb	3.1300	1010.0	-5.0932
Sr 216.596	152.641	ppb	4.0281	2.6	1112.62
Ti 334.941	0.0804	ppb	0.0313	39.0	-50.3148
Tl 190.794	3.6458	ppb	1.6453	45.1	-5.2321
V 292.401	0.2317	ppb	0.2013	86.9	9.4885
Zn 206.200	-0.5566	ppb	1.5000	269.5	0.6485

680-104926-d-1-dPDS (Samp) **9/10/2014, 10:14:08 PM** **Rack 3, Tube 17**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Replicates Concentration		
Ag 328.068	52.1975	52.2249	51.8236
Al 308.215	2253.53	2256.41	2252.42
As 188.980	217.503	214.938	213.397
B 249.678	653.227	655.117	654.956
Ba 389.178	258.520	259.787	260.211

Label	Replicates Concentration		
Be 313.042	55.9825	55.9847	55.9949
Ca 370.602	109261	109334	109301
Cd 226.502	54.5858	54.1773	54.3115
Co 228.615	217.056	216.493	214.703
Cr 267.716	219.077	218.045	217.209
Cu 324.754	227.464	225.235	225.054
Fe 271.441	2106.72	2105.67	2115.65
K 766.491	6796.93	6785.85	6783.92
Mg 279.078	10855.1	10854.0	10851.6
Mn 257.610	229.050	228.848	228.576
Mo 202.032	215.525	214.778	215.589
Na 330.237	154812x	154240x	153863x
Ni 231.604	216.512	212.626	215.465
Pb 220.353	219.001	215.913	220.768
Sb 206.834	213.638	201.972	207.567
Se 196.026	212.552	203.578	219.259
Sn 189.925	220.372	221.717	216.466
Sr 216.596	870.625	872.444	871.533
Ti 334.941	215.478	215.298	215.087
Tl 190.794	210.058	208.549	203.524
V 292.401	216.986	217.486	217.051
Zn 206.200	220.674	219.573	216.823

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	52.0820b	ppb	0.2242	0.4	2488.70
Al 308.215	2254.12b	ppb	2.0616	0.1	13136.9
As 188.980	215.279b	ppb	2.0739	1.0	97.8692
B 249.678	654.433b	ppb	1.0475	0.2	8981.05
Ba 389.178	259.506b	ppb	0.8799	0.3	5463.31
Be 313.042	55.9873b	ppb	0.0066	0.0	128585
Ca 370.602	109299b	ppb	36.35	0.0	404080
Cd 226.502	54.3582b	ppb	0.2082	0.4	1612.50
Co 228.615	216.084b	ppb	1.2290	0.6	1646.35
Cr 267.716	218.110b	ppb	0.9354	0.4	5619.81
Cu 324.754	225.917b	ppb	1.3425	0.6	11049.3
Fe 271.441	2109.34b	ppb	5.4829	0.3	1905.06
K 766.491	6788.90b	ppb	7.0219	0.1	869728
Mg 279.078	10853.6b	ppb	1.7852	0.0	22943.9
Mn 257.610	228.825b	ppb	0.2382	0.1	31707.3
Mo 202.032	215.298b	ppb	0.4512	0.2	1197.07
Na 330.237	154305xb	ppb	477.930	0.3	9230.02
Ni 231.604	214.868b	ppb	2.0103	0.9	592.195
Pb 220.353	218.561b	ppb	2.4569	1.1	215.689
Sb 206.834	207.726b	ppb	5.8345	2.8	178.237
Se 196.026	211.796b	ppb	7.8674	3.7	81.7359
Sn 189.925	219.518b	ppb	2.7275	1.2	113.312
Sr 216.596	871.534b	ppb	0.9092	0.1	6327.90
Ti 334.941	215.288b	ppb	0.1957	0.1	75542.9
Tl 190.794	207.377b	ppb	3.4211	1.6	96.1871
V 292.401	217.174b	ppb	0.2720	0.1	6934.99
Zn 206.200	219.023b	ppb	1.9833	0.9	443.426

680-104926-d-1-e ms (Samp) **9/10/2014, 10:18:37 PM** **Rack 3, Tube 18**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Replicates Concentration		
Ag 328.068	52.5340	52.6240	52.2090
Al 308.215	5097.70	5090.74	5091.02
As 188.980	96.1187	105.969	101.717
B 249.678	320.488	319.817	320.686
Ba 389.178	137.574	138.118	137.885
Be 313.042	50.3403	50.3559	50.3026
Ca 370.602	109802	109766	109697
Cd 226.502	48.9933	48.3649	48.5401
Co 228.615	47.7822	49.6730	48.7753
Cr 267.716	98.7600	98.1685	98.4921
Cu 324.754	101.606	101.074	101.870
Fe 271.441	4779.41	4802.42	4785.94
K 766.491	9984.97	9973.51	9959.35
Mg 279.078	13353.6	13364.7	13348.5
Mn 257.610	508.968	509.202	509.101
Mo 202.032	97.6072	97.3898	98.5513
Na 330.237	153949x	154025x	153885x
Ni 231.604	98.0965	96.1865	97.0751
Pb 220.353	53.0216	54.1005	52.5362
Sb 206.834	46.4721	45.0163	52.5211
Se 196.026	93.2902	99.7242	97.6277
Sn 189.925	202.698	195.459	195.112
Sr 216.596	737.531	732.821	736.119
Ti 334.941	97.8110	97.7638	97.6553
Tl 190.794	35.8891	37.9273	38.7182
V 292.401	99.0229	99.4365	99.0713
Zn 206.200	97.3772	96.1145	94.9674

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	52.4557b	ppb	0.2183	0.4	2507.08
Al 308.215	5093.16b	ppb	3.9395	0.1	29209.6
As 188.980	101.268b	ppb	4.9405	4.9	43.2426
B 249.678	320.330b	ppb	0.4554	0.1	4412.12
Ba 389.178	137.859b	ppb	0.2731	0.2	2918.45
Be 313.042	50.3329b	ppb	0.0274	0.1	115275
Ca 370.602	109755b	ppb	53.50	0.0	405704
Cd 226.502	48.6328b	ppb	0.3243	0.7	1452.14
Co 228.615	48.7435b	ppb	0.9458	1.9	363.818
Cr 267.716	98.4735b	ppb	0.2962	0.3	2540.56
Cu 324.754	101.517b	ppb	0.4055	0.4	5030.80
Fe 271.441	4789.26b	ppb	11.8619	0.2	4268.21
K 766.491	9972.61b	ppb	12.8313	0.1	1276781
Mg 279.078	13355.6b	ppb	8.3124	0.1	28223.2
Mn 257.610	509.090b	ppb	0.1177	0.0	70427.8
Mo 202.032	97.8494b	ppb	0.6175	0.6	546.924
Na 330.237	153953xb	ppb	70.4929	0.0	9210.12
Ni 231.604	97.1194b	ppb	0.9558	1.0	269.548
Pb 220.353	53.2194b	ppb	0.8007	1.5	52.0081
Sb 206.834	48.0032b	ppb	3.9798	8.3	44.4623
Se 196.026	96.8807b	ppb	3.2814	3.4	42.2401

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Sn 189.925	197.757b	ppb	4.2829	2.2	101.560
Sr 216.596	735.490b	ppb	2.4171	0.3	5349.99
Ti 334.941	97.7433b	ppb	0.0798	0.1	34265.2
Tl 190.794	37.5115b	ppb	1.4597	3.9	11.5076
V 292.401	99.1769b	ppb	0.2261	0.2	3169.48
Zn 206.200	96.1530b	ppb	1.2053	1.3	195.742

680-104926-d-1-f msd (Samp) **9/10/2014, 10:23:06 PM** **Rack 3, Tube 19**

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

Label	Replicates Concentration		
Ag 328.068	53.3877	52.6547	53.3026
Al 308.215	5207.51	5185.44	5223.69
As 188.980	109.265	106.968	102.605
B 249.678	325.251	325.320	326.454
Ba 389.178	141.188	140.740	141.849
Be 313.042	51.5196	51.3495	51.6352
Ca 370.602	112619	112187	112798
Cd 226.502	50.0253	49.8171	49.4088
Co 228.615	50.2824	49.2174	50.4409
Cr 267.716	101.155	100.575	102.114
Cu 324.754	104.090	103.744	104.225
Fe 271.441	4907.74	4919.06	4928.68
K 766.491	10243.0	10191.6	10256.0
Mg 279.078	13679.7	13632.7	13677.4
Mn 257.610	520.972	519.751	521.696
Mo 202.032	101.448	101.061	100.247
Na 330.237	157364x	157315x	158118x
Ni 231.604	98.5404	102.113	99.2731
Pb 220.353	51.1331	56.3357	51.9564
Sb 206.834	47.2786	46.5807	45.8383
Se 196.026	102.781	92.8003	101.400
Sn 189.925	195.227	198.187	194.436
Sr 216.596	754.278	753.883	753.156
Ti 334.941	100.102	99.6815	100.089
Tl 190.794	30.8137	31.6479	35.0906
V 292.401	101.153	100.823	101.339
Zn 206.200	99.4217	100.153	101.646

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	53.1150b	ppb	0.4009	0.8	2538.72
Al 308.215	5205.54b	ppb	19.2042	0.4	29846.7
As 188.980	106.280b	ppb	3.3827	3.2	45.6415
B 249.678	325.675b	ppb	0.6754	0.2	4485.08
Ba 389.178	141.259b	ppb	0.5579	0.4	2990.88
Be 313.042	51.5014b	ppb	0.1437	0.3	118023
Ca 370.602	112535b	ppb	314.1	0.3	415978
Cd 226.502	49.7504b	ppb	0.3136	0.6	1485.10
Co 228.615	49.9803b	ppb	0.6654	1.3	373.280
Cr 267.716	101.281b	ppb	0.7774	0.8	2612.87
Cu 324.754	104.019b	ppb	0.2481	0.2	5149.22
Fe 271.441	4918.49b	ppb	10.4853	0.2	4382.77

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
K 766.491	10230.2b	ppb	34.0265	0.3	1309716
Mg 279.078	13663.3b	ppb	26.5117	0.2	28872.9
Mn 257.610	520.807b	ppb	0.9828	0.2	72047.6
Mo 202.032	100.919b	ppb	0.6129	0.6	563.901
Na 330.237	157599xb	ppb	450.381	0.3	9426.89
Ni 231.604	99.9755b	ppb	1.8870	1.9	277.381
Pb 220.353	53.1417b	ppb	2.7965	5.3	51.9234
Sb 206.834	46.5659b	ppb	0.7203	1.5	43.2128
Se 196.026	98.9937b	ppb	5.4079	5.5	42.9851
Sn 189.925	195.950b	ppb	1.9769	1.0	100.585
Sr 216.596	753.772b	ppb	0.5690	0.1	5482.90
Ti 334.941	99.9575b	ppb	0.2391	0.2	35043.2
Tl 190.794	32.5174b	ppb	2.2671	7.0	9.0230
V 292.401	101.105b	ppb	0.2613	0.3	3230.73
Zn 206.200	100.407b	ppb	1.1337	1.1	204.325

680-104926-d-2-b (Samp) **9/10/2014, 10:27:35 PM** **Rack 3, Tube 20**

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

Label	Replicates Concentration		
Ag 328.068	-0.1457u	-0.8576u	-0.5861u
Al 308.215	27.6625	30.0245	30.5651
As 188.980	3.8092	1.1634	-6.5635u
B 249.678	140.392	141.201	141.574
Ba 389.178	37.7289	36.4211	37.9326
Be 313.042	-0.1075u	-0.1269u	-0.1339u
Ca 370.602	105625	105791	105782
Cd 226.502	-0.0424u	-0.0484u	-0.0975u
Co 228.615	2.7774	3.2258	2.6641
Cr 267.716	0.4426	0.5067	0.1490
Cu 324.754	-0.0316u	0.4411u	-0.1079u
Fe 271.441	-18.5970u	-16.2997u	-17.4588u
K 766.491	6690.03	6682.51	6683.92
Mg 279.078	16589.3	16636.5	16632.5
Mn 257.610	492.783	493.462	493.186
Mo 202.032	1.4261	1.5365	1.4713
Na 330.237	22661.0	22558.8	22741.9
Ni 231.604	2.2447	1.3851	3.3661
Pb 220.353	2.1096	2.4259	4.2129
Sb 206.834	2.2285	-1.3898u	-1.7384u
Se 196.026	5.8390	4.5631	-2.5457u
Sn 189.925	2.1884	-6.0728u	-0.4459u
Sr 216.596	919.762	915.957	916.220
Ti 334.941	0.0868	0.1441	0.1424
Tl 190.794	-3.7162u	4.2187	-2.9499u
V 292.401	0.2363	0.1934	0.2313
Zn 206.200	12.4339	11.0298	12.4576

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.5298	ppb	0.3593	67.8	-33.6053
Al 308.215	29.4173	ppb	1.5436	5.2	507.390
As 188.980	-0.5303	ppb	5.3897	1016.4	-5.4787

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
B 249.678	141.056	ppb	0.6045	0.4	1965.33
Ba 389.178	37.3609	ppb	0.8202	2.2	806.165
Be 313.042	-0.1228	ppb	0.0137	11.1	-3321.14
Ca 370.602	105733	ppb	93.58	0.1	390879
Cd 226.502	-0.0628	ppb	0.0302	48.1	16.6895
Co 228.615	2.8891	ppb	0.2971	10.3	12.3755
Cr 267.716	0.3661	ppb	0.1907	52.1	14.3485
Cu 324.754	0.1005	ppb	0.2974	295.8	128.512
Fe 271.441	-17.4518	ppb	1.1486	6.6	5.4126
K 766.491	6685.49	ppb	3.9950	0.1	856507
Mg 279.078	16619.4	ppb	26.1530	0.2	35126.6
Mn 257.610	493.143	ppb	0.3416	0.1	68233.9
Mo 202.032	1.4780	ppb	0.0555	3.8	14.0335
Na 330.237	22653.9	ppb	91.7445	0.4	1403.94
Ni 231.604	2.3320	ppb	0.9934	42.6	9.5652
Pb 220.353	2.9161	ppb	1.1341	38.9	2.5502
Sb 206.834	-0.2999	ppb	2.1966	732.4	4.6410
Se 196.026	2.6188	ppb	4.5179	172.5	9.6918
Sn 189.925	-1.4435	ppb	4.2200	292.4	-6.0421
Sr 216.596	917.313	ppb	2.1248	0.2	6666.33
Ti 334.941	0.1244	ppb	0.0326	26.2	-3.2334
Tl 190.794	-0.8158	ppb	4.3768	536.5	-7.3729
V 292.401	0.2203	ppb	0.0234	10.6	9.0598
Zn 206.200	11.9737	ppb	0.8176	6.8	25.9423

680-104926-d-3-b (Samp) **9/10/2014, 10:32:04 PM** **Rack 3, Tube 21**

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

Label	Replicates Concentration		
Ag 328.068	-0.5424u	-0.1433u	-0.1023u
Al 308.215	13.2570	12.3691	13.1573
As 188.980	-3.2784u	-7.0395u	-2.9941u
B 249.678	143.530	143.195	143.074
Ba 389.178	56.1812	55.3042	55.5337
Be 313.042	-0.1683u	-0.1722u	-0.1757u
Ca 370.602	140068	140012	139879
Cd 226.502	-0.0124u	-0.3778u	0.0564
Co 228.615	-0.3955u	0.3758	0.4105
Cr 267.716	-0.1277u	0.4991	0.1245
Cu 324.754	0.3867u	0.1108u	0.0014u
Fe 271.441	-42.9770u	-35.4512u	-49.4964u
K 766.491	4138.50	4142.77	4141.21
Mg 279.078	8553.34	8566.29	8545.65
Mn 257.610	124.055	124.179	123.991
Mo 202.032	0.2475	-0.1185u	0.0719
Na 330.237	172793x	173471x	172877x
Ni 231.604	1.0357	-0.0440u	0.9347
Pb 220.353	1.0949	6.2156	1.0381
Sb 206.834	-5.7006u	-1.0650u	0.9142
Se 196.026	0.4684	-3.6067u	-3.0821u
Sn 189.925	-4.4946u	-2.8469u	0.0243
Sr 216.596	804.815	804.242	802.689

Label	Replicates Concentration		
Ti 334.941	0.2694	0.2463	0.2407
Tl 190.794	2.0615	-7.5533u	5.4434
V 292.401	0.0467	0.5225	0.4943
Zn 206.200	1.4126	1.1974	1.2953

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.2627b	ppb	0.2431	92.6	-21.9789
Al 308.215	12.9278b	ppb	0.4864	3.8	413.878
As 188.980	-4.4373b	ppb	2.2580	50.9	-7.3493
B 249.678	143.266b	ppb	0.2362	0.2	1995.52
Ba 389.178	55.6730b	ppb	0.4548	0.8	1170.62
Be 313.042	-0.1721b	ppb	0.0037	2.2	-3440.57
Ca 370.602	139986b	ppb	96.87	0.1	517512
Cd 226.502	-0.1113b	ppb	0.2334	209.7	14.5688
Co 228.615	0.1303b	ppb	0.4557	349.8	-8.7535
Cr 267.716	0.1653b	ppb	0.3154	190.8	10.4001
Cu 324.754	0.1663b	ppb	0.1985	119.4	98.6543
Fe 271.441	-42.6416b	ppb	7.0286	16.5	-17.0642
K 766.491	4140.83b	ppb	2.1619	0.1	531159
Mg 279.078	8555.09b	ppb	10.4286	0.1	18093.7
Mn 257.610	124.075b	ppb	0.0959	0.1	17225.2
Mo 202.032	0.0670b	ppb	0.1830	273.3	6.2266
Na 330.237	173047xb	ppb	369.564	0.2	10350.0
Ni 231.604	0.6422b	ppb	0.5963	92.9	4.9326
Pb 220.353	2.7829b	ppb	2.9730	106.8	2.4210
Sb 206.834	-1.9504b	ppb	3.3951	174.1	3.2689
Se 196.026	-2.0735b	ppb	2.2169	106.9	8.2007
Sn 189.925	-2.4390b	ppb	2.2869	93.8	-6.5501
Sr 216.596	803.915b	ppb	1.0998	0.1	5852.79
Ti 334.941	0.2521b	ppb	0.0152	6.0	12.0589
Tl 190.794	-0.0161b	ppb	6.7429	41756.8	-7.0311
V 292.401	0.3545b	ppb	0.2669	75.3	12.4149
Zn 206.200	1.3018b	ppb	0.1077	8.3	4.3987

680-104926-d-4-b (Samp) **9/10/2014, 10:36:33 PM** **Rack 3, Tube 22**

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

Label	Replicates Concentration		
Ag 328.068	-0.0726u	-0.6947u	0.0858
Al 308.215	9.5620	13.0415	8.9326
As 188.980	0.1837	-4.8664u	-4.8230u
B 249.678	23.9444	23.5194	24.3586
Ba 389.178	28.9860	28.3132	27.3813
Be 313.042	-0.1251u	-0.1245u	-0.1208u
Ca 370.602	90252	90256	90201
Cd 226.502	-0.2195u	-0.2792u	-0.3328u
Co 228.615	0.0332	0.5952	0.0714
Cr 267.716	-0.1280u	0.0053	0.3898
Cu 324.754	0.2038u	-0.2204u	-0.1990u
Fe 271.441	5.6933	9.3819	9.6657
K 766.491	1931.57	1933.03	1929.99
Mg 279.078	2862.90	2864.02	2849.77

Label	Replicates Concentration		
Mn 257.610	87.5676	87.6164	87.6734
Mo 202.032	-0.1829u	0.4845	1.0479
Na 330.237	44289.3	44841.3	44644.9
Ni 231.604	2.7146	2.3548	0.6056
Pb 220.353	4.7755	3.7659	1.6951
Sb 206.834	2.4467	-2.0257u	3.0684
Se 196.026	-2.2571u	3.0868	-6.5136u
Sn 189.925	-3.0920u	-4.6131u	3.0124
Sr 216.596	475.330	473.386	474.650
Ti 334.941	0.1456	0.1956	0.1522
Tl 190.794	2.2105	-6.2856u	-10.3664u
V 292.401	0.4141	0.4117	0.5409
Zn 206.200	1.5892	1.9766	0.9193

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.2271	ppb	0.4126	181.6	-20.2943
Al 308.215	10.5120	ppb	2.2131	21.1	400.219
As 188.980	-3.1686	ppb	2.9032	91.6	-6.7422
B 249.678	23.9408	ppb	0.4196	1.8	365.101
Ba 389.178	28.2268	ppb	0.8058	2.9	579.871
Be 313.042	-0.1235	ppb	0.0023	1.9	-3330.52
Ca 370.602	90237	ppb	30.86	0.0	333592
Cd 226.502	-0.2771	ppb	0.0566	20.4	10.2804
Co 228.615	0.2333	ppb	0.3141	134.6	-7.9711
Cr 267.716	0.0890	ppb	0.2689	302.1	7.3908
Cu 324.754	-0.0719	ppb	0.2389	332.5	135.074
Fe 271.441	8.2470	ppb	2.2161	26.9	28.0273
K 766.491	1931.53	ppb	1.5214	0.1	248690
Mg 279.078	2858.90	ppb	7.9277	0.3	6062.44
Mn 257.610	87.6191	ppb	0.0530	0.1	12159.0
Mo 202.032	0.4498	ppb	0.6161	137.0	8.3410
Na 330.237	44591.8	ppb	279.767	0.6	2708.91
Ni 231.604	1.8916	ppb	1.1282	59.6	8.3593
Pb 220.353	3.4122	ppb	1.5704	46.0	3.0431
Sb 206.834	1.1631	ppb	2.7791	238.9	5.8938
Se 196.026	-1.8946	ppb	4.8105	253.9	8.0020
Sn 189.925	-1.5642	ppb	4.0358	258.0	-6.1029
Sr 216.596	474.455	ppb	0.9866	0.2	3456.72
Ti 334.941	0.1645	ppb	0.0272	16.5	-20.0566
Tl 190.794	-4.8138	ppb	6.4163	133.3	-9.4226
V 292.401	0.4555	ppb	0.0739	16.2	16.5408
Zn 206.200	1.4950	ppb	0.5349	35.8	4.7901

680-104926-b-6-b (Samp) **9/10/2014, 10:41:02 PM** **Rack 3, Tube 23**

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

Label	Replicates Concentration		
Ag 328.068	-0.1840u	-0.4622u	-0.0636u
Al 308.215	10.0108	10.0467	10.3709
As 188.980	0.3452	10.7970	10.4485
B 249.678	138.282	138.370	138.563
Ba 389.178	-0.2238	-0.2375	-0.1564

Label	Replicates Concentration		
Be 313.042	-0.1318u	-0.1160u	-0.1111u
Ca 370.602	5625	5599	5614
Cd 226.502	0.0531	-0.2329u	-0.1565u
Co 228.615	0.7180	0.7135	0.8418
Cr 267.716	-0.1892u	-0.0027	0.3021
Cu 324.754	3.9011	3.1133	3.7711
Fe 271.441	241.255	237.424	245.486
K 766.491	7552.75	7512.36	7536.47
Mg 279.078	16892.5	16813.0	16843.6
Mn 257.610	45.1833	45.0958	45.2196
Mo 202.032	2.0070	2.1439	1.9858
Na 330.237	211717x	209820x	211862x
Ni 231.604	2.4289	3.3324	2.0066
Pb 220.353	1.1393	3.1486	2.5498
Sb 206.834	-1.4299u	-3.9353u	0.5483
Se 196.026	3.2016	-0.9990u	3.9989
Sn 189.925	2.4896	-2.7761u	-1.7932u
Sr 216.596	26.2926	26.3549	26.4320
Ti 334.941	0.0423	0.0107	-0.0371
Tl 190.794	6.8127	2.3300	-2.9882u
V 292.401	0.2414	0.2674	0.2649
Zn 206.200	1.2646	1.9542	1.7079

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.2366b	ppb	0.2045	86.4	-20.9595
Al 308.215	10.1428b	ppb	0.1984	2.0	398.211
As 188.980	7.1969b	ppb	5.9363	82.5	-1.7812
B 249.678	138.405b	ppb	0.1440	0.1	1928.90
Ba 389.178	-0.2059b	ppb	0.0434	21.1	18.0514
Be 313.042	-0.1196b	ppb	0.0108	9.0	-3378.07
Ca 370.602	5612b	ppb	12.89	0.2	20742
Cd 226.502	-0.1121b	ppb	0.1481	132.1	15.2322
Co 228.615	0.7578b	ppb	0.0728	9.6	-3.9684
Cr 267.716	0.0367b	ppb	0.2480	675.3	7.4067
Cu 324.754	3.5951b	ppb	0.4224	11.7	394.092
Fe 271.441	241.388b	ppb	4.0327	1.7	234.640
K 766.491	7533.86b	ppb	20.3190	0.3	964975
Mg 279.078	16849.7b	ppb	40.1197	0.2	35612.4
Mn 257.610	45.1662b	ppb	0.0636	0.1	6375.71
Mo 202.032	2.0456b	ppb	0.0858	4.2	17.1526
Na 330.237	211133xb	ppb	1139.28	0.5	12615.4
Ni 231.604	2.5893b	ppb	0.6773	26.2	10.2799
Pb 220.353	2.2792b	ppb	1.0316	45.3	1.9179
Sb 206.834	-1.6057b	ppb	2.2469	139.9	3.5267
Se 196.026	2.0671b	ppb	2.6851	129.9	8.9285
Sn 189.925	-0.6932b	ppb	2.7999	403.9	-5.5997
Sr 216.596	26.3598b	ppb	0.0698	0.3	194.350
Ti 334.941	0.0053b	ppb	0.0400	753.6	-60.2967
Tl 190.794	2.0515b	ppb	4.9064	239.2	-6.0281
V 292.401	0.2579b	ppb	0.0143	5.6	8.7598
Zn 206.200	1.6422b	ppb	0.3495	21.3	5.0926

680-104926-b-7-b (Samp) **9/10/2014, 10:45:31 PM** **Rack 3, Tube 24**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Replicates Concentration		
Ag 328.068	-0.0640u	-0.4743u	0.0343
Al 308.215	12.9817	12.0703	11.5206
As 188.980	-0.9544u	-6.2516u	-12.1229u
B 249.678	123.311	124.043	124.664
Ba 389.178	45.8837	47.1942	46.3936
Be 313.042	-0.1473u	-0.1468u	-0.1600u
Ca 370.602	115851	115774	115880
Cd 226.502	-0.0612u	-0.1296u	-0.1482u
Co 228.615	0.0910	-0.0459u	-0.7251u
Cr 267.716	-0.1196u	0.2324	0.2024
Cu 324.754	1.8072u	1.8867u	1.2704u
Fe 271.441	231.132	248.591	235.561
K 766.491	4235.13	4233.00	4237.41
Mg 279.078	8563.01	8562.13	8557.81
Mn 257.610	114.597	114.531	114.586
Mo 202.032	0.4034	0.3075	1.1226
Na 330.237	156650x	156484x	157384x
Ni 231.604	1.4624	1.1037	0.7918
Pb 220.353	0.2301	3.9433	2.8996
Sb 206.834	-4.5578u	1.0512	-1.9488u
Se 196.026	-8.0446u	-5.7362u	0.8464
Sn 189.925	0.8760	-1.1292u	1.6543
Sr 216.596	669.329	669.711	667.928
Ti 334.941	0.1748	0.2428	0.2502
Tl 190.794	-4.5270u	1.2416	2.8332
V 292.401	0.5305	0.3577	-0.0996u
Zn 206.200	125.818	127.235	127.014

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.1680b	ppb	0.2698	160.6	-17.4716
Al 308.215	12.1909b	ppb	0.7380	6.1	409.734
As 188.980	-6.4430b	ppb	5.5867	86.7	-8.3113
B 249.678	124.006b	ppb	0.6773	0.5	1732.19
Ba 389.178	46.4905b	ppb	0.6606	1.4	978.239
Be 313.042	-0.1514b	ppb	0.0075	4.9	-3400.01
Ca 370.602	115835b	ppb	54.92	0.0	428224
Cd 226.502	-0.1130b	ppb	0.0458	40.5	15.3065
Co 228.615	-0.2267b	ppb	0.4371	192.8	-11.4892
Cr 267.716	0.1051b	ppb	0.1951	185.7	8.7202
Cu 324.754	1.6548b	ppb	0.3352	20.3	193.976
Fe 271.441	238.428b	ppb	9.0758	3.8	231.994
K 766.491	4235.18b	ppb	2.2080	0.1	543223
Mg 279.078	8560.98b	ppb	2.7843	0.0	18105.6
Mn 257.610	114.572b	ppb	0.0353	0.0	15913.5
Mo 202.032	0.6112b	ppb	0.4455	72.9	9.2152
Na 330.237	156839xb	ppb	479.134	0.3	9385.39
Ni 231.604	1.1193b	ppb	0.3356	30.0	6.2505
Pb 220.353	2.3577b	ppb	1.9150	81.2	1.9967
Sb 206.834	-1.8185b	ppb	2.8068	154.3	3.3710
Se 196.026	-4.3115b	ppb	4.6135	107.0	7.3082

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Sn 189.925	0.4670b	ppb	1.4361	307.5	-4.9839
Sr 216.596	668.989b	ppb	0.9388	0.1	4870.87
Ti 334.941	0.2226b	ppb	0.0416	18.7	3.0587
Tl 190.794	-0.1507b	ppb	3.8726	2569.7	-7.1112
V 292.401	0.2629b	ppb	0.3256	123.9	9.5636
Zn 206.200	126.689b	ppb	0.7626	0.6	257.522

Cont Calib Verif (CCV) **9/10/2014, 10:50:01 PM** **Rack 3, Tube 25**

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

Label	Replicates Concentration		
Ag 328.068	499.497	499.747	495.524
Al 308.215	4858.75	4869.80	4838.82
As 188.980	479.907	475.264	468.527
B 249.678	499.041	500.353	498.052
Ba 389.178	4911.45	4905.81	4884.27
Be 313.042	491.249	491.130	487.796
Ca 370.602	4938	4933	4896
Cd 226.502	489.203	489.211	487.084
Co 228.615	490.402	489.151	487.986
Cr 267.716	4916.93	4920.04	4893.88
Cu 324.754	4905.89	4925.07	4887.76
Fe 271.441	4896.72	4874.37	4867.97
K 766.491	9957.25	9939.69	9917.79
Mg 279.078	4898.62	4912.01	4884.04
Mn 257.610	5004.45	5003.13	4956.24
Mo 202.032	490.506	491.906	489.847
Na 330.237	7293.97	7037.38	7101.14
Ni 231.604	2481.43	2480.07	2472.59
Pb 220.353	493.319	491.174	487.581
Sb 206.834	935.423	940.441	928.318
Se 196.026	4916.59	4895.03	4873.04
Sn 189.925	4884.12	4899.68	4869.29
Sr 216.596	2453.93	2454.52	2441.55
Ti 334.941	484.324	483.372	481.908
Tl 190.794	5000.74	5014.82	4978.82
V 292.401	4897.11	4895.43	4878.25
Zn 206.200	2469.90	2466.81	2452.69

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Ag 328.068	498.256	ppb	2.3695	0.5	23912.7	99.65117
Al 308.215	4855.79	ppb	15.7015	0.3	28134.3	97.11573
As 188.980	474.566	ppb	5.7220	1.2	222.040	94.91319
B 249.678	499.149	ppb	1.1542	0.2	6867.27	99.82971
Ba 389.178	4900.51	ppb	14.3459	0.3	102958	98.01021
Be 313.042	490.058	ppb	1.9602	0.4	1150216	98.01161
Ca 370.602	4922	ppb	22.80	0.5	18232	98.44822
Cd 226.502	488.499	ppb	1.2261	0.3	14310.4	97.69987
Co 228.615	489.179	ppb	1.2080	0.2	3739.27	97.83589
Cr 267.716	4910.28	ppb	14.2936	0.3	126387	98.20567
Cu 324.754	4906.24	ppb	18.6604	0.4	237567	98.12479
Fe 271.441	4879.69	ppb	15.0919	0.3	4394.63	97.59371

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
K 766.491	9938.24	ppb	19.7672	0.2	1272387	99.38242
Mg 279.078	4898.22	ppb	13.9861	0.3	10359.8	97.96446
Mn 257.610	4987.94	ppb	27.4634	0.6	688841	99.75882
Mo 202.032	490.753	ppb	1.0511	0.2	2719.18	98.15060
Na 330.237	7144.16	ppb	133.595	1.9	464.024	95.25549
Ni 231.604	2478.03	ppb	4.7631	0.2	6795.54	99.12125
Pb 220.353	490.691	ppb	2.8994	0.6	486.862	98.13823
Sb 206.834	934.727	ppb	6.0916	0.7	818.011	93.47275
Se 196.026	4894.89	ppb	21.7772	0.4	1694.59	97.89777
Sn 189.925	4884.36	ppb	15.1931	0.3	2632.49	97.68725
Sr 216.596	2450.00	ppb	7.3238	0.3	17660.2	97.99995
Ti 334.941	483.201	ppb	1.2169	0.3	169639	96.64021
Tl 190.794	4998.13	ppb	18.1427	0.4	2480.25	99.96254
V 292.401	4890.26	ppb	10.4356	0.2	157116	97.80524
Zn 206.200	2463.13	ppb	9.1762	0.4	4962.18	98.52519

Cont Calib Blank (CCB) **9/10/2014, 10:54:30 PM** **Rack 3, Tube 26**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Replicates Concentration		
Ag 328.068	-0.4035u	-0.3389u	-0.1327u
Al 308.215	5.2342	5.0753	2.2612
As 188.980	2.2898	-6.8908u	3.2593
B 249.678	6.0156	5.4041	5.2630
Ba 389.178	-0.2715u	0.0621	0.1331
Be 313.042	-0.0386u	-0.0401u	-0.0341u
Ca 370.602	4.872	3.279	2.590
Cd 226.502	-0.1940u	0.0441	0.0344
Co 228.615	0.3872	0.4386	0.1851
Cr 267.716	0.1686	0.5077	0.5525
Cu 324.754	0.4529	0.7776	0.7512
Fe 271.441	1.4496	-0.2113u	5.2175
K 766.491	0.7285	0.8300	0.5655
Mg 279.078	2.5451	4.1081	4.4890
Mn 257.610	0.2351	0.2391	0.2406
Mo 202.032	0.9240	0.7299	1.6598
Na 330.237	-50.4517u	32.3236	-68.0558u
Ni 231.604	0.7209	-0.1177u	1.2323
Pb 220.353	3.6480	0.2681	-2.1890u
Sb 206.834	2.6333	8.3486	7.4630
Se 196.026	1.5789	6.3835	5.5109
Sn 189.925	1.5880	1.9163	-2.2945u
Sr 216.596	0.0175	0.1428	-0.1855u
Ti 334.941	0.1163	0.1412	0.1472
Tl 190.794	5.5897	3.5999	4.4441
V 292.401	0.6966	0.4678	0.6367
Zn 206.200	0.0091	0.4584	-0.0866u

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Ag 328.068	-0.2917	ppb	0.1415	48.5	-23.5617	-0.29170
Al 308.215	4.1902	ppb	1.6725	39.9	364.452	4.19025
As 188.980	-0.4472	ppb	5.6013	1252.5	-5.4392	-0.44722

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
B 249.678	5.5609	ppb	0.4000	7.2	113.995	5.56092
Ba 389.178	-0.0254	ppb	0.2160	849.3	-20.7759	-0.02543
Be 313.042	-0.0376	ppb	0.0032	8.4	-3159.95	-0.03760
Ca 370.602	3.580	ppb	1.170	32.7	10.15	3.58037
Cd 226.502	-0.0385	ppb	0.1348	350.0	17.4066	-0.03850
Co 228.615	0.3370	ppb	0.1340	39.8	-7.1904	0.33696
Cr 267.716	0.4096	ppb	0.2099	51.3	15.2796	0.40958
Cu 324.754	0.6605	ppb	0.1803	27.3	257.462	0.66055
Fe 271.441	2.1520	ppb	2.7817	129.3	22.6102	2.15196
K 766.491	0.7080	ppb	0.1334	18.8	1824.68	0.70798
Mg 279.078	3.7141	ppb	1.0301	27.7	31.8938	3.71405
Mn 257.610	0.2382	ppb	0.0028	1.2	76.3207	0.23823
Mo 202.032	1.1045	ppb	0.4905	44.4	11.9639	1.10454
Na 330.237	-28.7280	ppb	53.5999	186.6	54.7008	-28.72801
Ni 231.604	0.6118	ppb	0.6816	111.4	4.8515	0.61185
Pb 220.353	0.5757	ppb	2.9306	509.0	0.2355	0.57571
Sb 206.834	6.1483	ppb	3.0761	50.0	10.0984	6.14832
Se 196.026	4.4911	ppb	2.5595	57.0	9.7250	4.49110
Sn 189.925	0.4032	ppb	2.3421	580.8	-5.0492	0.40325
Sr 216.596	-0.0084	ppb	0.1657	1968.2	2.1472	-0.00842
Ti 334.941	0.1349	ppb	0.0164	12.1	-32.7498	0.13491
Tl 190.794	4.5446	ppb	0.9987	22.0	-4.7865	4.54456
V 292.401	0.6004	ppb	0.1186	19.8	21.3375	0.60039
Zn 206.200	0.1270	ppb	0.2910	229.2	2.0277	0.12697

680-105018-e-1-b (Samp) **9/10/2014, 10:58:59 PM** **Rack 3, Tube 27**

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

Label	Replicates Concentration		
Ag 328.068	-0.1678u	-0.1251u	-0.2587u
Al 308.215	44.3220	40.2480	40.9945
As 188.980	-0.1889u	-0.7384u	6.3950
B 249.678	9.5643	10.7368	10.0136
Ba 389.178	4.1711	3.8435	3.5991
Be 313.042	-0.0732u	-0.0656u	-0.0665u
Ca 370.602	6708	6746	6747
Cd 226.502	-0.1036u	-0.2772u	0.0334
Co 228.615	-0.0195	-0.4161u	0.2269
Cr 267.716	1.0236	1.1782	1.2295
Cu 324.754	1.4254	1.1150	1.4541
Fe 271.441	15.4276	5.0004	15.5275
K 766.491	1355.57	1359.07	1358.05
Mg 279.078	222.681	227.237	230.768
Mn 257.610	1.2604	1.2056	1.2524
Mo 202.032	0.5573	0.3539	0.1189
Na 330.237	668.509	603.649	552.175
Ni 231.604	-1.4327u	1.3391	1.1923
Pb 220.353	8.6140	6.7172	4.8476
Sb 206.834	3.7790	1.2485	5.2827
Se 196.026	2.8712	-0.8220u	-2.9086u
Sn 189.925	4.7302	5.2702	-0.6735u
Sr 216.596	12.9899	13.6123	13.9648

Label	Replicates Concentration		
Ti 334.941	14.9257	14.7388	15.3966
Tl 190.794	2.7696	0.3598	-1.9969u
V 292.401	0.7747	0.5439	0.7501
Zn 206.200	8.5072	7.6254	6.8612

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.1839	ppb	0.0682	37.1	-18.4104
Al 308.215	41.8548	ppb	2.1690	5.2	577.809
As 188.980	1.8226	ppb	3.9694	217.8	-4.3528
B 249.678	10.1049	ppb	0.5915	5.9	176.076
Ba 389.178	3.8712	ppb	0.2870	7.4	61.6522
Be 313.042	-0.0685	ppb	0.0042	6.1	-3229.78
Ca 370.602	6734	ppb	22.23	0.3	24894
Cd 226.502	-0.1158	ppb	0.1557	134.4	15.1657
Co 228.615	-0.0696	ppb	0.3244	466.3	-10.0691
Cr 267.716	1.1438	ppb	0.1072	9.4	34.1884
Cu 324.754	1.3315	ppb	0.1880	14.1	283.141
Fe 271.441	11.9852	ppb	6.0492	50.5	31.3067
K 766.491	1357.56	ppb	1.8040	0.1	175305
Mg 279.078	226.895	ppb	4.0546	1.8	503.268
Mn 257.610	1.2395	ppb	0.0296	2.4	215.912
Mo 202.032	0.3434	ppb	0.2194	63.9	7.7510
Na 330.237	608.111	ppb	58.2955	9.6	92.3164
Ni 231.604	0.3663	ppb	1.5596	425.8	4.1787
Pb 220.353	6.7263	ppb	1.8832	28.0	6.3183
Sb 206.834	3.4368	ppb	2.0388	59.3	7.8237
Se 196.026	-0.2864	ppb	2.9269	1021.8	8.1146
Sn 189.925	3.1090	ppb	3.2868	105.7	-3.5879
Sr 216.596	13.5223	ppb	0.4936	3.7	101.585
Ti 334.941	15.0204	ppb	0.3390	2.3	5195.68
Tl 190.794	0.3775	ppb	2.3833	631.3	-6.8551
V 292.401	0.6896	ppb	0.1268	18.4	24.5399
Zn 206.200	7.6646	ppb	0.8237	10.7	17.2422

CRI (Samp) **9/10/2014, 11:03:29 PM** **Rack 3, Tube 28**

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

Label	Replicates Concentration		
Ag 328.068	10.0759	10.7193	10.7841
Al 308.215	210.848	208.372	206.697
As 188.980	26.2118	19.5118	27.6706
B 249.678	101.842	102.636	102.296
Ba 389.178	9.7607	10.8063	9.4518
Be 313.042	4.0859	4.1101	4.0901
Ca 370.602	512.4	513.0	511.0
Cd 226.502	4.9691	4.9332	5.4265
Co 228.615	9.9620	10.2715	10.5637
Cr 267.716	10.3459	10.5408	10.0781
Cu 324.754	20.8243	20.9036	21.3398
Fe 271.441	57.0162	60.0407	45.4910
K 766.491	1060.42	1062.42	1062.02
Mg 279.078	512.769	511.419	511.451

Label	Replicates Concentration		
Mn 257.610	10.5541	10.5382	10.6275
Mo 202.032	10.3938	9.8307	9.2959
Na 330.237	1103.58	960.302	1003.66
Ni 231.604	42.4873	40.9372	42.4258
Pb 220.353	9.0319	7.0269	8.1195
Sb 206.834	25.8124	19.1535	16.8926
Se 196.026	16.9874	10.0665	12.8760
Sn 189.925	51.1473	49.5666	49.7935
Sr 216.596	9.5237	10.0678	9.7076
Ti 334.941	10.2043	10.2187	10.2473
Tl 190.794	21.3547	21.7682	21.0186
V 292.401	10.4041	10.5013	10.2012
Zn 206.200	20.2316	20.1734	20.9036

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	10.5264	ppb	0.3915	3.7	495.253
Al 308.215	208.639	ppb	2.0885	1.0	1523.89
As 188.980	24.4647	ppb	4.3509	17.8	6.4885
B 249.678	102.258	ppb	0.3985	0.4	1435.33
Ba 389.178	10.0063	ppb	0.7099	7.1	191.363
Be 313.042	4.0954	ppb	0.0129	0.3	6556.10
Ca 370.602	512.1	ppb	1.015	0.2	1892
Cd 226.502	5.1096	ppb	0.2750	5.4	168.013
Co 228.615	10.2657	ppb	0.3009	2.9	68.9281
Cr 267.716	10.3216	ppb	0.2323	2.3	270.409
Cu 324.754	21.0226	ppb	0.2775	1.3	1242.14
Fe 271.441	54.1826	ppb	7.6776	14.2	69.3997
K 766.491	1061.62	ppb	1.0623	0.1	137468
Mg 279.078	511.880	ppb	0.7702	0.2	1105.11
Mn 257.610	10.5733	ppb	0.0476	0.5	1506.42
Mo 202.032	9.8401	ppb	0.5490	5.6	60.2999
Na 330.237	1022.52	ppb	73.4781	7.2	116.988
Ni 231.604	41.9501	ppb	0.8777	2.1	118.160
Pb 220.353	8.0595	ppb	1.0038	12.5	7.6260
Sb 206.834	20.6195	ppb	4.6371	22.5	22.2450
Se 196.026	13.3100	ppb	3.4808	26.2	12.7666
Sn 189.925	50.1691	ppb	0.8547	1.7	21.8266
Sr 216.596	9.7664	ppb	0.2768	2.8	71.6437
Ti 334.941	10.2234	ppb	0.0219	0.2	3511.51
Tl 190.794	21.3805	ppb	0.3755	1.8	3.5887
V 292.401	10.3689	ppb	0.1531	1.5	333.426
Zn 206.200	20.4362	ppb	0.4058	2.0	43.0025

mb 680-348078/1-b (Samp) **9/10/2014, 11:07:58 PM** **Rack 3, Tube 29**

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

Label	Replicates Concentration		
Ag 328.068	-0.2323u	0.3114	0.0431
Al 308.215	6.9958	4.7712	6.1535
As 188.980	1.5443	0.1338	-0.9124u
B 249.678	2.7500	2.1753	2.2364
Ba 389.178	-0.2451u	-0.6994u	-0.2328u

Label	Replicates Concentration		
Be 313.042	-0.0692u	-0.0679u	-0.0706u
Ca 370.602	2.413	-0.6473u	0.8346
Cd 226.502	0.1088	-0.0178u	0.0155
Co 228.615	0.0619	-0.0398u	0.1054
Cr 267.716	-0.1403u	0.2184	0.1811
Cu 324.754	0.2799	0.1127	-0.2168u
Fe 271.441	0.7615	3.7132	-1.4425u
K 766.491	0.3082	0.2381	0.1449
Mg 279.078	0.5870	2.9091	1.0931
Mn 257.610	-0.2103u	-0.2679u	-0.1558u
Mo 202.032	0.8893	-0.6558u	-0.0422u
Na 330.237	30.8534	-29.4626u	-69.1181u
Ni 231.604	0.2729	-0.6182u	-0.3231u
Pb 220.353	-1.1658u	-1.5963u	-0.2346u
Sb 206.834	0.9835	0.5030	1.1892
Se 196.026	-2.7049u	5.6297	-2.1529u
Sn 189.925	2.9935	0.3333	0.2590
Sr 216.596	0.4512	0.4023	0.5209
Ti 334.941	0.0152	-0.0000u	-0.0050u
Tl 190.794	4.7241	1.8775	4.0952
V 292.401	0.0110	-0.2865u	0.1456
Zn 206.200	1.1972	-0.5305u	1.1978

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	0.0407	ppb	0.2718	667.6	-7.6237
Al 308.215	5.9735	ppb	1.1232	18.8	374.448
As 188.980	0.2552	ppb	1.2329	483.1	-5.1032
B 249.678	2.3872	ppb	0.3157	13.2	70.5554
Ba 389.178	-0.3925	ppb	0.2659	67.8	-28.4999
Be 313.042	-0.0692	ppb	0.0014	2.0	-3234.34
Ca 370.602	0.8666	ppb	1.530	176.6	0.1241
Cd 226.502	0.0355	ppb	0.0656	184.9	19.5627
Co 228.615	0.0425	ppb	0.0745	175.4	-9.4298
Cr 267.716	0.0864	ppb	0.1972	228.3	6.9650
Cu 324.754	0.0586	ppb	0.2527	431.3	228.328
Fe 271.441	1.0107	ppb	2.5868	255.9	21.5709
K 766.491	0.2304	ppb	0.0819	35.6	1763.62
Mg 279.078	1.5297	ppb	1.2211	79.8	27.2855
Mn 257.610	-0.2113	ppb	0.0560	26.5	14.2281
Mo 202.032	0.0638	ppb	0.7780	1219.8	6.2047
Na 330.237	-22.5759	ppb	50.3403	223.0	55.0700
Ni 231.604	-0.2228	ppb	0.4539	203.7	2.5638
Pb 220.353	-0.9989	ppb	0.6961	69.7	-1.3223
Sb 206.834	0.8919	ppb	0.3521	39.5	5.6712
Se 196.026	0.2573	ppb	4.6608	1811.3	8.2669
Sn 189.925	1.1952	ppb	1.5578	130.3	-4.6215
Sr 216.596	0.4582	ppb	0.0596	13.0	5.5654
Ti 334.941	0.0034	ppb	0.0105	310.5	-78.9483
Tl 190.794	3.5656	ppb	1.4954	41.9	-5.2733
V 292.401	-0.0433	ppb	0.2211	510.6	0.8825
Zn 206.200	0.6215	ppb	0.9977	160.5	3.0269

lcs 680-348078/2-b (Samp) **9/10/2014, 11:12:27 PM** **Rack 3, Tube 30**

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

Label	Replicates Concentration		
Ag 328.068	47.4535	48.4307	47.6221
Al 308.215	4499.43	4536.19	4523.13
As 188.980	91.5073	94.0047	92.4000
B 249.678	181.951	182.757	183.491
Ba 389.178	90.0930	91.5411	90.8190
Be 313.042	45.3630	45.6062	45.6091
Ca 370.602	4470	4499	4488
Cd 226.502	46.2333	46.4794	46.4849
Co 228.615	46.8597	46.5592	46.7219
Cr 267.716	91.9894	93.0496	92.3467
Cu 324.754	91.0048	91.8276	91.5780
Fe 271.441	4551.25	4559.21	4558.98
K 766.491	4784.88	4825.36	4812.94
Mg 279.078	4528.11	4565.27	4540.50
Mn 257.610	474.716	478.142	477.053
Mo 202.032	89.2821	91.3027	89.7990
Na 330.237	4661.52	4512.02	4473.04
Ni 231.604	92.8960	91.2858	92.9347
Pb 220.353	48.4420	48.2110	46.1683
Sb 206.834	46.6238	46.5331	44.0907
Se 196.026	89.3341	83.1297	80.7227
Sn 189.925	185.902	184.691	182.585
Sr 216.596	90.3289	90.6580	91.0059
Ti 334.941	90.7157	91.4625	91.2454
Tl 190.794	38.4084	32.9081	39.8064
V 292.401	91.8396	92.8320	92.4461
Zn 206.200	93.1083	94.0311	92.0650

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	47.8354	ppb	0.5224	1.1	2285.61
Al 308.215	4519.58	ppb	18.6353	0.4	25958.9
As 188.980	92.6374	ppb	1.2655	1.4	39.1106
B 249.678	182.733	ppb	0.7702	0.4	2532.19
Ba 389.178	90.8177	ppb	0.7241	0.8	1907.74
Be 313.042	45.5261	ppb	0.1412	0.3	103952
Ca 370.602	4486	ppb	14.71	0.3	16537
Cd 226.502	46.3992	ppb	0.1437	0.3	1386.75
Co 228.615	46.7136	ppb	0.1504	0.3	348.289
Cr 267.716	92.4619	ppb	0.5394	0.6	2384.61
Cu 324.754	91.4701	ppb	0.4219	0.5	4646.13
Fe 271.441	4556.48	ppb	4.5280	0.1	4061.73
K 766.491	4807.72	ppb	20.7358	0.4	616425
Mg 279.078	4544.63	ppb	18.9209	0.4	9613.67
Mn 257.610	476.637	ppb	1.7507	0.4	65895.6
Mo 202.032	90.1279	ppb	1.0497	1.2	504.213
Na 330.237	4548.86	ppb	99.4909	2.2	323.161
Ni 231.604	92.3721	ppb	0.9410	1.0	256.528
Pb 220.353	47.6071	ppb	1.2514	2.6	46.4850
Sb 206.834	45.7492	ppb	1.4371	3.1	42.6495
Se 196.026	84.3955	ppb	4.4430	5.3	37.3919

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Sn 189.925	184.393	ppb	1.6788	0.9	94.3134
Sr 216.596	90.6643	ppb	0.3385	0.4	658.780
Ti 334.941	91.1412	ppb	0.3842	0.4	31940.3
Tl 190.794	37.0410	ppb	3.6467	9.8	11.2788
V 292.401	92.3726	ppb	0.5003	0.5	2953.38
Zn 206.200	93.0682	ppb	0.9837	1.1	189.523

680-104896-c-1-d (Samp) **9/10/2014, 11:16:57 PM** **Rack 3, Tube 31**

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

Label	Replicates Concentration		
Ag 328.068	-0.0688u	-0.0631u	-0.6496u
Al 308.215	36.2630	36.3430	36.2257
As 188.980	-3.9744u	-4.5499u	-6.7650u
B 249.678	33.0371	32.8472	31.8436
Ba 389.178	8.9967	8.7222	8.5141
Be 313.042	-0.1019u	-0.0937u	-0.0969u
Ca 370.602	47808	47802	47784
Cd 226.502	-0.0431u	-0.1423u	0.0462
Co 228.615	0.4152	0.1692	0.4392
Cr 267.716	0.4862	0.0581	0.4922
Cu 324.754	0.9695	0.7820u	0.9561
Fe 271.441	-13.6592u	-11.1056u	-10.8576u
K 766.491	1404.42	1402.64	1407.81
Mg 279.078	20492.9	20470.5	20492.2
Mn 257.610	0.7387	0.6846	0.7309
Mo 202.032	21.7277	23.0815	22.3269
Na 330.237	7310.90	7201.30	7239.81
Ni 231.604	9.6914	10.2216	9.5544
Pb 220.353	0.5083	4.6378	-0.5418u
Sb 206.834	-2.6634u	-5.8363u	4.1129
Se 196.026	-5.7188u	-7.0225u	-2.1058u
Sn 189.925	-1.6421u	-2.2255u	-4.3758u
Sr 216.596	43.3334	42.7893	42.8350
Ti 334.941	0.0488	-0.0130	-0.0043
Tl 190.794	0.3867	0.3769	-8.4579u
V 292.401	0.3160	0.2366	0.5047
Zn 206.200	-0.5281u	-0.2138u	-0.2311u

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.2605	ppb	0.3369	129.3	-22.3089
Al 308.215	36.2773	ppb	0.0599	0.2	547.563
As 188.980	-5.0965	ppb	1.4734	28.9	-7.6599
B 249.678	32.5760	ppb	0.6413	2.0	483.083
Ba 389.178	8.7443	ppb	0.2420	2.8	214.768
Be 313.042	-0.0975	ppb	0.0042	4.3	-3286.27
Ca 370.602	47798	ppb	12.75	0.0	176702
Cd 226.502	-0.0464	ppb	0.0943	203.1	17.2782
Co 228.615	0.3412	ppb	0.1494	43.8	-7.5682
Cr 267.716	0.3455	ppb	0.2489	72.0	13.6919
Cu 324.754	0.9025	ppb	0.1046	11.6	223.540
Fe 271.441	-11.8741	ppb	1.5508	13.1	10.2112

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
K 766.491	1404.95	ppb	2.6263	0.2	181364
Mg 279.078	20485.2	ppb	12.7401	0.1	43291.6
Mn 257.610	0.7180	ppb	0.0292	4.1	259.043
Mo 202.032	22.3787	ppb	0.6784	3.0	129.701
Na 330.237	7250.67	ppb	55.6011	0.8	487.723
Ni 231.604	9.8225	ppb	0.3524	3.6	30.0965
Pb 220.353	1.5348	ppb	2.7381	178.4	1.1666
Sb 206.834	-1.4623	ppb	5.0822	347.6	3.3037
Se 196.026	-4.9490	ppb	2.5471	51.5	6.7197
Sn 189.925	-2.7478	ppb	1.4397	52.4	-6.7495
Sr 216.596	42.9859	ppb	0.3018	0.7	323.196
Ti 334.941	0.0105	ppb	0.0335	318.7	-33.7911
Tl 190.794	-2.5648	ppb	5.1036	199.0	-8.3251
V 292.401	0.3524	ppb	0.1377	39.1	8.4171
Zn 206.200	-0.3243	ppb	0.1767	54.5	1.1164

680-104896-c-1-dSD^5 (Samp) **9/10/2014, 11:21:26 PM** **Rack 3, Tube 32**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Replicates Concentration		
Ag 328.068	-0.1844u	-0.0705u	-0.4144u
Al 308.215	9.6745	7.2447	10.2086
As 188.980	5.9186	-3.8302u	-2.6775u
B 249.678	6.8866	7.0954	7.2410
Ba 389.178	0.3519	1.0075	0.6693
Be 313.042	-0.0836u	-0.0855u	-0.0826u
Ca 370.602	9370	9370	9361
Cd 226.502	-0.1670u	0.2189	-0.1658u
Co 228.615	-0.1393u	0.0536	0.6597
Cr 267.716	0.3683	-0.2155u	-0.1032u
Cu 324.754	0.4211	0.5174	0.2229
Fe 271.441	-9.2419u	0.0692	-10.8145u
K 766.491	258.488	259.270	258.001
Mg 279.078	3996.56	4007.24	3994.07
Mn 257.610	-0.1309	-0.1420	-0.0677
Mo 202.032	4.4570	4.3836	4.1979
Na 330.237	1413.59	1629.66	1489.40
Ni 231.604	1.2789	2.7447	2.1177
Pb 220.353	4.7034	3.8766	3.7349
Sb 206.834	-6.3853u	-1.3236u	2.0236
Se 196.026	0.6302	1.0130	1.2111
Sn 189.925	2.5536	-1.7051u	0.6647
Sr 216.596	8.3577	7.6785	8.1326
Ti 334.941	0.0200	0.0324	-0.0345u
Tl 190.794	-0.2367u	6.8838	-1.6344u
V 292.401	0.2462	0.0251u	0.0365
Zn 206.200	0.5652	-1.1259u	-1.4577u

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.2231	ppb	0.1752	78.5	-20.3221
Al 308.215	9.0426	ppb	1.5797	17.5	392.115
As 188.980	-0.1964	ppb	5.3270	2712.9	-5.3183

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
B 249.678	7.0743	ppb	0.1781	2.5	134.585
Ba 389.178	0.6762	ppb	0.3279	48.5	3.9546
Be 313.042	-0.0839	ppb	0.0015	1.8	-3266.00
Ca 370.602	9367	ppb	5.126	0.1	34625
Cd 226.502	-0.0380	ppb	0.2225	585.8	17.4215
Co 228.615	0.1913	ppb	0.4169	217.9	-8.3718
Cr 267.716	0.0166	ppb	0.3098	1870.4	5.1786
Cu 324.754	0.3871	ppb	0.1501	38.8	235.284
Fe 271.441	-6.6624	ppb	5.8825	88.3	14.7915
K 766.491	258.586	ppb	0.6398	0.2	34795.7
Mg 279.078	3999.29	ppb	6.9926	0.2	8471.12
Mn 257.610	-0.1135	ppb	0.0401	35.3	50.4475
Mo 202.032	4.3462	ppb	0.1336	3.1	29.9049
Na 330.237	1510.89	ppb	109.627	7.3	146.294
Ni 231.604	2.0471	ppb	0.7355	35.9	8.7851
Pb 220.353	4.1050	ppb	0.5231	12.7	3.7260
Sb 206.834	-1.8951	ppb	4.2335	223.4	3.2421
Se 196.026	0.9514	ppb	0.2953	31.0	8.5540
Sn 189.925	0.5044	ppb	2.1339	423.0	-4.9943
Sr 216.596	8.0563	ppb	0.3459	4.3	62.4652
Ti 334.941	0.0060	ppb	0.0356	596.1	-69.7299
Tl 190.794	1.6709	ppb	4.5683	273.4	-6.2154
V 292.401	0.1026	ppb	0.1245	121.4	4.5746
Zn 206.200	-0.6728	ppb	1.0849	161.3	0.4139

680-104896-c-1-dPDS (Samp) **9/10/2014, 11:25:56 PM** **Rack 3, Tube 33**

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

Label	Replicates Concentration		
Ag 328.068	32.8465	32.8355	32.5394
Al 308.215	2194.47	2192.59	2193.57
As 188.980	216.257	211.211	214.732
B 249.678	556.237	557.190	559.043
Ba 389.178	225.726	226.596	226.262
Be 313.042	53.9122	53.8216	53.8553
Ca 370.602	49203	49167	49189
Cd 226.502	54.9730	54.8895	55.0439
Co 228.615	216.724	215.873	216.811
Cr 267.716	216.970	216.614	216.451
Cu 324.754	221.131	221.034	221.519
Fe 271.441	2145.12	2142.79	2130.68
K 766.491	3892.76	3882.94	3882.84
Mg 279.078	22499.5	22479.2	22476.0
Mn 257.610	227.067	226.951	227.020
Mo 202.032	233.180	233.918	233.946
Na 330.237	9313.19	9395.67	9519.70
Ni 231.604	224.021	226.335	225.988
Pb 220.353	222.433	222.790	221.550
Sb 206.834	201.259	208.469	212.797
Se 196.026	199.747	210.928	206.050
Sn 189.925	216.345	217.861	223.126
Sr 216.596	259.701	258.677	258.834

Label	Replicates Concentration		
Ti 334.941	213.778	213.562	213.799
Tl 190.794	212.848	211.342	213.625
V 292.401	215.103	215.606	214.884
Zn 206.200	218.381	216.570	220.034

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	32.7404	ppb	0.1742	0.5	1561.13
Al 308.215	2193.55	ppb	0.9412	0.0	12794.8
As 188.980	214.067	ppb	2.5880	1.2	97.2927
B 249.678	557.490	ppb	1.4268	0.3	7656.38
Ba 389.178	226.195	ppb	0.4393	0.2	4792.78
Be 313.042	53.8630	ppb	0.0458	0.1	123581
Ca 370.602	49186	ppb	18.04	0.0	181850
Cd 226.502	54.9688	ppb	0.0773	0.1	1631.11
Co 228.615	216.469	ppb	0.5183	0.2	1648.92
Cr 267.716	216.678	ppb	0.2651	0.1	5581.77
Cu 324.754	221.228	ppb	0.2569	0.1	10880.8
Fe 271.441	2139.53	ppb	7.7511	0.4	1931.79
K 766.491	3886.18	ppb	5.6975	0.1	498601
Mg 279.078	22484.9	ppb	12.7682	0.1	47510.8
Mn 257.610	227.013	ppb	0.0582	0.0	31523.1
Mo 202.032	233.681	ppb	0.4343	0.2	1298.81
Na 330.237	9409.52	ppb	103.948	1.1	611.035
Ni 231.604	225.448	ppb	1.2481	0.6	621.197
Pb 220.353	222.258	ppb	0.6381	0.3	219.336
Sb 206.834	207.508	ppb	5.8287	2.8	177.730
Se 196.026	205.575	ppb	5.6058	2.7	79.2847
Sn 189.925	219.111	ppb	3.5592	1.6	113.064
Sr 216.596	259.071	ppb	0.5515	0.2	1880.16
Ti 334.941	213.713	ppb	0.1315	0.1	75026.4
Tl 190.794	212.605	ppb	1.1606	0.5	98.7755
V 292.401	215.197	ppb	0.3700	0.2	6868.22
Zn 206.200	218.328	ppb	1.7324	0.8	442.028

680-104896-c-1-e ms (Samp) **9/10/2014, 11:30:25 PM** **Rack 3, Tube 34**

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

Label	Replicates Concentration		
Ag 328.068	50.0686	49.8968	49.6660
Al 308.215	4690.58	4685.74	4687.37
As 188.980	97.4826	92.9445	100.876
B 249.678	218.784	219.317	219.237
Ba 389.178	99.8236	99.6221	100.924
Be 313.042	45.9782	46.0356	46.0166
Ca 370.602	52769	52762	52711
Cd 226.502	46.6635	46.3282	46.6908
Co 228.615	46.5637	46.3554	46.6389
Cr 267.716	93.8365	93.7055	93.1574
Cu 324.754	94.9245	95.2929	94.3105
Fe 271.441	4573.69	4586.33	4582.39
K 766.491	6488.02	6498.76	6500.93
Mg 279.078	25361.5	25351.2	25399.6

Label	Replicates Concentration		
Mn 257.610	482.333	481.749	482.358
Mo 202.032	114.051	114.652	114.599
Na 330.237	12035.3	11974.0	11844.8
Ni 231.604	104.092	100.705	101.893
Pb 220.353	53.9426	51.0229	46.4319
Sb 206.834	51.1105	46.0328	51.8180
Se 196.026	89.5782	90.9563	92.4425
Sn 189.925	187.353	178.478	190.510
Sr 216.596	135.121	135.624	134.223
Ti 334.941	92.1470	92.2484	92.0811
Tl 190.794	39.3998	34.4716	33.3661
V 292.401	93.7711	93.4719	93.7995
Zn 206.200	90.7393	92.0976	94.4284

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	49.8771	ppb	0.2020	0.4	2383.29
Al 308.215	4687.90	ppb	2.4624	0.1	26914.1
As 188.980	97.1009	ppb	3.9793	4.1	41.2528
B 249.678	219.113	ppb	0.2876	0.1	3029.29
Ba 389.178	100.123	ppb	0.7007	0.7	2155.50
Be 313.042	46.0101	ppb	0.0292	0.1	105104
Ca 370.602	52747	ppb	31.57	0.1	194954
Cd 226.502	46.5608	ppb	0.2019	0.4	1391.71
Co 228.615	46.5193	ppb	0.1469	0.3	346.352
Cr 267.716	93.5665	ppb	0.3603	0.4	2413.10
Cu 324.754	94.8426	ppb	0.4963	0.5	4763.26
Fe 271.441	4580.80	ppb	6.4711	0.1	4083.28
K 766.491	6495.90	ppb	6.9131	0.1	832267
Mg 279.078	25370.8	ppb	25.4909	0.1	53601.3
Mn 257.610	482.147	ppb	0.3448	0.1	66775.0
Mo 202.032	114.434	ppb	0.3330	0.3	638.725
Na 330.237	11951.4	ppb	97.2623	0.8	763.465
Ni 231.604	102.230	ppb	1.7185	1.7	283.549
Pb 220.353	50.4658	ppb	3.7862	7.5	49.2882
Sb 206.834	49.6537	ppb	3.1557	6.4	45.5441
Se 196.026	90.9923	ppb	1.4325	1.6	39.9130
Sn 189.925	185.447	ppb	6.2386	3.4	94.8843
Sr 216.596	134.990	ppb	0.7098	0.5	989.551
Ti 334.941	92.1588	ppb	0.0843	0.1	32341.1
Tl 190.794	35.7458	ppb	3.2123	9.0	10.6260
V 292.401	93.6808	ppb	0.1815	0.2	2989.85
Zn 206.200	92.4218	ppb	1.8658	2.0	188.217

680-104896-c-1-f msd (Samp) **9/10/2014, 11:34:55 PM** **Rack 3, Tube 35**

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

Label	Replicates Concentration		
Ag 328.068	49.3544	48.9074	49.1615
Al 308.215	4683.14	4683.69	4693.27
As 188.980	92.5427	95.1346	98.3359
B 249.678	216.080	217.033	218.537
Ba 389.178	99.4526	100.083	100.920

Label	Replicates Concentration		
Be 313.042	45.9934	46.0272	46.0315
Ca 370.602	52852	52873	52893
Cd 226.502	46.5262	46.0998	46.4067
Co 228.615	46.9956	47.0469	46.6139
Cr 267.716	93.1238	93.2077	93.2224
Cu 324.754	94.4320	95.0634	95.0253
Fe 271.441	4565.42	4587.00	4585.90
K 766.491	6494.84	6502.30	6516.21
Mg 279.078	25386.7	25421.9	25444.6
Mn 257.610	481.980	481.998	482.175
Mo 202.032	113.448	114.487	114.138
Na 330.237	12107.1	11716.6	11919.3
Ni 231.604	99.3060	102.541	102.730
Pb 220.353	50.0992	56.9909	45.8407
Sb 206.834	47.9023	41.7578	48.8182
Se 196.026	78.6864	93.4179	92.9119
Sn 189.925	190.736	187.616	187.094
Sr 216.596	135.707	134.799	135.428
Ti 334.941	91.8766	92.1180	92.1777
Tl 190.794	37.7146	33.2343	32.7491
V 292.401	93.2482	93.0321	93.6980
Zn 206.200	93.8488	90.5346	94.0997

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	49.1411	ppb	0.2242	0.5	2347.99
Al 308.215	4686.70	ppb	5.6958	0.1	26907.3
As 188.980	95.3377	ppb	2.9019	3.0	40.4087
B 249.678	217.217	ppb	1.2387	0.6	3003.36
Ba 389.178	100.152	ppb	0.7363	0.7	2156.23
Be 313.042	46.0174	ppb	0.0209	0.0	105121
Ca 370.602	52873	ppb	20.32	0.0	195417
Cd 226.502	46.3443	ppb	0.2199	0.5	1385.38
Co 228.615	46.8855	ppb	0.2366	0.5	349.166
Cr 267.716	93.1846	ppb	0.0532	0.1	2403.28
Cu 324.754	94.8402	ppb	0.3541	0.4	4763.02
Fe 271.441	4579.44	ppb	12.1547	0.3	4082.10
K 766.491	6504.45	ppb	10.8428	0.2	833360
Mg 279.078	25417.7	ppb	29.1563	0.1	53700.4
Mn 257.610	482.051	ppb	0.1076	0.0	66762.0
Mo 202.032	114.024	ppb	0.5285	0.5	636.458
Na 330.237	11914.3	ppb	195.277	1.6	761.262
Ni 231.604	101.526	ppb	1.9247	1.9	281.618
Pb 220.353	50.9769	ppb	5.6267	11.0	49.7942
Sb 206.834	46.1594	ppb	3.8393	8.3	42.5956
Se 196.026	88.3388	ppb	8.3630	9.5	38.9999
Sn 189.925	188.482	ppb	1.9697	1.0	96.5234
Sr 216.596	135.311	ppb	0.4651	0.3	991.939
Ti 334.941	92.0574	ppb	0.1594	0.2	32305.6
Tl 190.794	34.5660	ppb	2.7376	7.9	10.0399
V 292.401	93.3261	ppb	0.3397	0.4	2978.54
Zn 206.200	92.8277	ppb	1.9899	2.1	189.037

640-49066-a-1-b (Samp) **9/10/2014, 11:39:24 PM** **Rack 3, Tube 36**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Replicates Concentration		
Ag 328.068	-0.4190u	-0.2507u	0.0781
Al 308.215	8.6542	11.9011	12.5092
As 188.980	2.1459	-3.0888u	-0.9118u
B 249.678	14.7825	14.0329	14.1866
Ba 389.178	6.3761	5.2108	4.8147
Be 313.042	-0.0996u	-0.0749u	-0.0907u
Ca 370.602	47890	47901	47824
Cd 226.502	-0.1706u	-0.0892u	-0.0123u
Co 228.615	0.2518	-0.2798u	-0.4793u
Cr 267.716	0.4844	0.5511	0.3494
Cu 324.754	0.4846u	0.9590	0.6697u
Fe 271.441	-26.7981u	-22.8318u	-31.9220u
K 766.491	418.285	418.730	418.437
Mg 279.078	4414.23	4408.78	4417.79
Mn 257.610	14.2619	14.2029	14.2274
Mo 202.032	2.9245	1.9690	2.0212
Na 330.237	3993.78	3877.80	4127.06
Ni 231.604	-1.5731u	-1.2454u	-0.5525u
Pb 220.353	5.4663	2.0029	0.7584
Sb 206.834	-0.8696u	3.7948	1.3161
Se 196.026	-1.5826u	-2.9660u	-0.8300u
Sn 189.925	2.2151	0.0622	-4.3130u
Sr 216.596	126.126	125.629	126.464
Ti 334.941	0.1318	0.0913	0.0724
Tl 190.794	-8.3770u	-7.5811u	-5.9472u
V 292.401	1.8685	1.8751	1.4224
Zn 206.200	0.6127	0.3006	0.3400

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.1972	ppb	0.2529	128.2	-19.0690
Al 308.215	11.0215	ppb	2.0726	18.8	403.287
As 188.980	-0.6182	ppb	2.6297	425.4	-5.5206
B 249.678	14.3340	ppb	0.3959	2.8	233.850
Ba 389.178	5.4672	ppb	0.8117	14.8	105.596
Be 313.042	-0.0884	ppb	0.0125	14.1	-3260.25
Ca 370.602	47871	ppb	41.79	0.1	176973
Cd 226.502	-0.0907	ppb	0.0791	87.3	15.8158
Co 228.615	-0.1691	ppb	0.3779	223.5	-11.0938
Cr 267.716	0.4616	ppb	0.1027	22.3	16.6420
Cu 324.754	0.7044	ppb	0.2391	33.9	213.468
Fe 271.441	-27.1840	ppb	4.5574	16.8	-3.3850
K 766.491	418.484	ppb	0.2260	0.1	55239.4
Mg 279.078	4413.60	ppb	4.5347	0.1	9346.24
Mn 257.610	14.2307	ppb	0.0297	0.2	2033.75
Mo 202.032	2.3049	ppb	0.5373	23.3	18.6094
Na 330.237	3999.55	ppb	124.734	3.1	294.335
Ni 231.604	-1.1237	ppb	0.5211	46.4	0.0932
Pb 220.353	2.7425	ppb	2.4396	89.0	2.3794
Sb 206.834	1.4138	ppb	2.3337	165.1	6.0769
Se 196.026	-1.7929	ppb	1.0834	60.4	7.8086

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Sn 189.925	-0.6786	ppb	3.3265	490.2	-5.6326
Sr 216.596	126.073	ppb	0.4200	0.3	925.336
Ti 334.941	0.0985	ppb	0.0304	30.8	-36.5667
Tl 190.794	-7.3018	ppb	1.2388	17.0	-10.6685
V 292.401	1.7220	ppb	0.2595	15.1	57.2266
Zn 206.200	0.4178	ppb	0.1700	40.7	2.6143

Cont Calib Verif (CCV) **9/10/2014, 11:43:54 PM** **Rack 3, Tube 37**

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

Label	Replicates Concentration		
Ag 328.068	500.593	498.503	500.554
Al 308.215	4859.26	4850.17	4873.73
As 188.980	472.869	469.778	479.224
B 249.678	497.351	498.427	502.000
Ba 389.178	4896.65	4900.61	4911.07
Be 313.042	491.776	488.647	491.300
Ca 370.602	4912	4913	4925
Cd 226.502	488.513	489.112	490.694
Co 228.615	489.115	488.542	492.774
Cr 267.716	4906.50	4910.60	4920.66
Cu 324.754	4906.37	4910.19	4895.18
Fe 271.441	4884.97	4869.57	4902.72
K 766.491	9966.96	9944.88	9984.20
Mg 279.078	4897.68	4898.88	4914.38
Mn 257.610	4979.07	4987.99	5013.01
Mo 202.032	492.388	492.246	492.682
Na 330.237	7128.82	6885.07	6911.88
Ni 231.604	2475.39	2476.90	2484.23
Pb 220.353	491.669	483.946	486.093
Sb 206.834	929.666	935.514	945.759
Se 196.026	4862.59	4888.22	4883.53
Sn 189.925	4874.84	4880.87	4909.96
Sr 216.596	2446.43	2453.74	2451.86
Ti 334.941	483.260	482.996	483.996
Tl 190.794	4990.37	4991.35	5024.50
V 292.401	4892.30	4887.96	4904.40
Zn 206.200	2458.35	2459.96	2465.13

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Ag 328.068	499.883	ppb	1.1955	0.2	23990.8	99.97670
Al 308.215	4861.05	ppb	11.8802	0.2	28164.5	97.22102
As 188.980	473.957	ppb	4.8156	1.0	221.749	94.79138
B 249.678	499.259	ppb	2.4336	0.5	6868.85	99.85190
Ba 389.178	4902.78	ppb	7.4486	0.2	103005	98.05556
Be 313.042	490.574	ppb	1.6859	0.3	1151430	98.11485
Ca 370.602	4917	ppb	7.403	0.2	18211	98.33761
Cd 226.502	489.440	ppb	1.1270	0.2	14337.9	97.88794
Co 228.615	490.144	ppb	2.2962	0.5	3746.63	98.02873
Cr 267.716	4912.59	ppb	7.2882	0.1	126446	98.25177
Cu 324.754	4903.91	ppb	7.7979	0.2	237454	98.07826
Fe 271.441	4885.76	ppb	16.5900	0.3	4400.11	97.71513

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
K 766.491	9965.35	ppb	19.7099	0.2	1275853	99.65347
Mg 279.078	4903.65	ppb	9.3153	0.2	10371.2	98.07300
Mn 257.610	4993.36	ppb	17.5956	0.4	689589	99.86721
Mo 202.032	492.438	ppb	0.2223	0.0	2728.50	98.48766
Na 330.237	6975.25	ppb	133.662	1.9	453.972	93.00339
Ni 231.604	2478.84	ppb	4.7323	0.2	6797.75	99.15356
Pb 220.353	487.236	ppb	3.9863	0.8	483.441	97.44721
Sb 206.834	936.980	ppb	8.1463	0.9	819.906	93.69798
Se 196.026	4878.11	ppb	13.6428	0.3	1688.81	97.56223
Sn 189.925	4888.56	ppb	18.7781	0.4	2634.75	97.77110
Sr 216.596	2450.67	ppb	3.7974	0.2	17665.0	98.02695
Ti 334.941	483.417	ppb	0.5183	0.1	169715	96.68347
Tl 190.794	5002.07	ppb	19.4273	0.4	2482.22	100.04144
V 292.401	4894.88	ppb	8.5199	0.2	157264	97.89767
Zn 206.200	2461.15	ppb	3.5422	0.1	4958.17	98.44586

Cont Calib Blank (CCB) **9/10/2014, 11:48:23 PM** **Rack 3, Tube 38**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Replicates Concentration		
Ag 328.068	-0.3395u	0.3856	-0.3551u
Al 308.215	1.9006	4.8205	4.9828
As 188.980	-2.6215u	1.2035	-2.5013u
B 249.678	5.5608	4.9132	4.3957
Ba 389.178	0.3789	0.3284	-0.4052u
Be 313.042	-0.0511u	-0.0628u	-0.0667u
Ca 370.602	0.9864	5.072	-0.2604u
Cd 226.502	-0.0913u	-0.0640u	0.2185
Co 228.615	-0.0427u	-0.8659u	-0.1016u
Cr 267.716	0.1035	0.3682	0.2748
Cu 324.754	0.2526	0.1388	0.3511
Fe 271.441	3.4388	3.4563	0.7817
K 766.491	0.2867	0.1241	-0.2687u
Mg 279.078	2.2093	1.3670	4.9834
Mn 257.610	0.0547	0.0537	0.0152
Mo 202.032	0.4798	0.9112	1.5454
Na 330.237	75.8199	-70.4197u	53.4665
Ni 231.604	-0.5176u	-0.0538u	0.5098
Pb 220.353	1.7868	0.0041	0.2670
Sb 206.834	6.0538	3.6674	5.2911
Se 196.026	1.8262	-4.8394u	-0.5792u
Sn 189.925	3.1754	0.5401	0.2345
Sr 216.596	0.1659	0.0299	-0.2786u
Ti 334.941	0.1503	0.1186	0.0760
Tl 190.794	2.7731	-1.4304u	5.8448
V 292.401	0.3938	0.4681	0.3886
Zn 206.200	-0.0021u	1.4100	0.1540

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Ag 328.068	-0.1030	ppb	0.4232	410.8	-14.5154	-0.10303
Al 308.215	3.9013	ppb	1.7346	44.5	362.790	3.90130
As 188.980	-1.3064	ppb	2.1745	166.4	-5.8506	-1.30644

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
B 249.678	4.9565	ppb	0.5838	11.8	105.714	4.95655
Ba 389.178	0.1007	ppb	0.4388	435.8	-18.1302	0.10069
Be 313.042	-0.0602	ppb	0.0081	13.5	-3213.17	-0.06021
Ca 370.602	1.933	ppb	2.789	144.3	4.062	1.93267
Cd 226.502	0.0210	ppb	0.1715	814.8	19.1452	0.02105
Co 228.615	-0.3367	ppb	0.4592	136.4	-12.3538	-0.33673
Cr 267.716	0.2488	ppb	0.1343	54.0	11.1439	0.24884
Cu 324.754	0.2475	ppb	0.1062	42.9	237.477	0.24750
Fe 271.441	2.5590	ppb	1.5391	60.1	22.9369	2.55896
K 766.491	0.0474	ppb	0.2856	603.0	1740.21	0.04736
Mg 279.078	2.8532	ppb	1.8922	66.3	30.0772	2.85322
Mn 257.610	0.0412	ppb	0.0225	54.6	49.1125	0.04123
Mo 202.032	0.9788	ppb	0.5360	54.8	11.2682	0.97881
Na 330.237	19.6223	ppb	78.7755	401.5	57.5772	19.62227
Ni 231.604	-0.0205	ppb	0.5145	2505.1	3.1182	-0.02054
Pb 220.353	0.6859	ppb	0.9624	140.3	0.3448	0.68594
Sb 206.834	5.0041	ppb	1.2188	24.4	9.1321	5.00408
Se 196.026	-1.1975	ppb	3.3755	281.9	7.7660	-1.19747
Sn 189.925	1.3166	ppb	1.6169	122.8	-4.5559	1.31664
Sr 216.596	-0.0276	ppb	0.2278	824.5	2.0300	-0.02762
Ti 334.941	0.1150	ppb	0.0373	32.4	-39.7636	0.11496
Tl 190.794	2.3958	ppb	3.6522	152.4	-5.8546	2.39585
V 292.401	0.4168	ppb	0.0445	10.7	15.4767	0.41684
Zn 206.200	0.5206	ppb	0.7742	148.7	2.8230	0.52061

640-49067-a-1-b (Samp) **9/10/2014, 11:52:53 PM** **Rack 3, Tube 39**

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

Label	Replicates Concentration		
Ag 328.068	-0.2912u	-0.0040u	-0.5564u
Al 308.215	12.5201	8.9615	11.4709
As 188.980	-3.9100u	0.4732	-5.8258u
B 249.678	20.5848	20.2829	19.8221
Ba 389.178	2.7995	3.4714	1.8099
Be 313.042	-0.1037u	-0.1122u	-0.1066u
Ca 370.602	48986	48908	48885
Cd 226.502	-0.3931u	-0.2689u	-0.0121u
Co 228.615	-0.4584u	0.1491	-0.2497u
Cr 267.716	0.1977	0.2015	0.3094
Cu 324.754	0.6503u	0.7415u	0.3506u
Fe 271.441	142.489	126.119	143.230
K 766.491	1023.04	1021.45	1022.37
Mg 279.078	3223.24	3215.93	3216.28
Mn 257.610	4.1063	4.0602	4.0932
Mo 202.032	2.8871	2.6063	2.0460
Na 330.237	20581.1	20466.6	20488.3
Ni 231.604	0.2670	0.4926	0.6787
Pb 220.353	5.3504	-0.2046u	5.1809
Sb 206.834	1.1042	0.5299	-4.5948u
Se 196.026	-9.1388u	-4.9293u	-5.7761u
Sn 189.925	-0.0893u	1.3728	-0.2180u
Sr 216.596	173.161	172.687	171.826

Label	Replicates Concentration		
Ti 334.941	0.1307	0.1010	0.1514
Tl 190.794	11.8316	-1.3548u	6.5767
V 292.401	0.7070	0.7591	0.7917
Zn 206.200	7.5557	7.7452	7.7185

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.2839	ppb	0.2762	97.3	-23.2658
Al 308.215	10.9842	ppb	1.8286	16.6	403.034
As 188.980	-3.0875	ppb	3.2290	104.6	-6.7038
B 249.678	20.2300	ppb	0.3841	1.9	314.288
Ba 389.178	2.6936	ppb	0.8358	31.0	44.6308
Be 313.042	-0.1075	ppb	0.0043	4.0	-3307.09
Ca 370.602	48926	ppb	52.71	0.1	180871
Cd 226.502	-0.2247	ppb	0.1943	86.5	12.2441
Co 228.615	-0.1863	ppb	0.3087	165.7	-11.2225
Cr 267.716	0.2362	ppb	0.0634	26.8	10.9823
Cu 324.754	0.5808	ppb	0.2045	35.2	206.487
Fe 271.441	137.279	ppb	9.6724	7.0	142.347
K 766.491	1022.29	ppb	0.7979	0.1	132438
Mg 279.078	3218.48	ppb	4.1214	0.1	6821.66
Mn 257.610	4.0866	ppb	0.0238	0.6	626.541
Mo 202.032	2.5131	ppb	0.4282	17.0	19.7489
Na 330.237	20512.0	ppb	60.8216	0.3	1276.47
Ni 231.604	0.4795	ppb	0.2061	43.0	4.4931
Pb 220.353	3.4422	ppb	3.1594	91.8	3.0700
Sb 206.834	-0.9869	ppb	3.1377	317.9	4.0427
Se 196.026	-6.6147	ppb	2.2266	33.7	6.1544
Sn 189.925	0.3552	ppb	0.8836	248.8	-5.0712
Sr 216.596	172.558	ppb	0.6767	0.4	1262.17
Ti 334.941	0.1277	ppb	0.0254	19.9	-30.1862
Tl 190.794	5.6845	ppb	6.6383	116.8	-4.2252
V 292.401	0.7526	ppb	0.0427	5.7	25.8631
Zn 206.200	7.6731	ppb	0.1026	1.3	17.2644

640-49068-a-1-b (Samp) **9/10/2014, 11:57:23 PM** **Rack 3, Tube 40**

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

Label	Replicates Concentration		
Ag 328.068	0.0926	-0.3330u	-0.0031u
Al 308.215	11.0224	10.7536	12.3268
As 188.980	-6.3914u	-0.9713u	1.1155
B 249.678	15.3888	15.9488	15.2056
Ba 389.178	8.4732	8.7224	8.1548
Be 313.042	-0.1070u	-0.1007u	-0.0949u
Ca 370.602	52428	52427	52390
Cd 226.502	-0.1266u	-0.2905u	-0.2463u
Co 228.615	0.4678	0.6950	0.6810
Cr 267.716	0.3317	0.3530	0.2278
Cu 324.754	0.7830u	0.8458u	0.4904u
Fe 271.441	16.4930	16.4772	16.0110
K 766.491	770.862	770.054	767.954
Mg 279.078	6516.68	6524.78	6519.64

Label	Replicates Concentration		
Mn 257.610	10.3876	10.3502	10.2903
Mo 202.032	2.0551	2.3471	1.9014
Na 330.237	14991.5	14818.7	14768.3
Ni 231.604	0.5146	-1.1356u	1.0253
Pb 220.353	-1.0359u	0.3357	2.0330
Sb 206.834	6.0491	-1.1417u	-2.5884u
Se 196.026	-2.4404u	-6.1378u	-10.0552u
Sn 189.925	0.6307	1.5028	-6.1056u
Sr 216.596	114.268	116.184	115.050
Ti 334.941	0.0640	0.1307	0.0630
Tl 190.794	1.3665	-2.3134u	3.7594
V 292.401	2.4860	2.5884	2.5383
Zn 206.200	-1.0669u	1.9653	2.6171

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.0812	ppb	0.2233	275.1	-13.5455
Al 308.215	11.3676	ppb	0.8415	7.4	405.281
As 188.980	-2.0824	ppb	3.8748	186.1	-6.2219
B 249.678	15.5144	ppb	0.3872	2.5	249.952
Ba 389.178	8.4502	ppb	0.2845	3.4	173.615
Be 313.042	-0.1009	ppb	0.0061	6.0	-3288.92
Ca 370.602	52415	ppb	21.73	0.0	193770
Cd 226.502	-0.2211	ppb	0.0848	38.4	12.0968
Co 228.615	0.6146	ppb	0.1273	20.7	-5.0801
Cr 267.716	0.3042	ppb	0.0670	22.0	12.6706
Cu 324.754	0.7064	ppb	0.1897	26.9	209.172
Fe 271.441	16.3271	ppb	0.2738	1.7	35.2145
K 766.491	769.623	ppb	1.5010	0.2	100134
Mg 279.078	6520.37	ppb	4.0959	0.1	13795.9
Mn 257.610	10.3427	ppb	0.0491	0.5	1508.92
Mo 202.032	2.1012	ppb	0.2264	10.8	17.4781
Na 330.237	14859.5	ppb	117.094	0.8	940.309
Ni 231.604	0.1348	ppb	1.1294	838.1	3.5442
Pb 220.353	0.4443	ppb	1.5374	346.0	0.1040
Sb 206.834	0.7730	ppb	4.6261	598.5	5.5372
Se 196.026	-6.2111	ppb	3.8079	61.3	6.3106
Sn 189.925	-1.3240	ppb	4.1638	314.5	-5.9791
Sr 216.596	115.167	ppb	0.9631	0.8	847.352
Ti 334.941	0.0859	ppb	0.0388	45.2	-37.4567
Tl 190.794	0.9375	ppb	3.0590	326.3	-6.5762
V 292.401	2.5375	ppb	0.0512	2.0	83.4941
Zn 206.200	1.1718	ppb	1.9660	167.8	4.1375

680-104910-a-1-b (Samp) **9/11/2014, 12:01:53 AM** **Rack 3, Tube 41**

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

Label	Replicates Concentration		
Ag 328.068	-0.7109u	-0.3696u	-0.1470u
Al 308.215	881.491	886.731	890.422
As 188.980	-2.0196u	5.6744	-2.7545u
B 249.678	75.2476	75.4069	75.3446
Ba 389.178	258.976	264.994	260.589

Label	Replicates Concentration		
Be 313.042	-0.1408u	-0.1469u	-0.1510u
Ca 370.602	71997	72253	72358
Cd 226.502	-0.2091u	0.0326	-0.0288u
Co 228.615	1.3981	1.2758	1.3268
Cr 267.716	2.2049	2.2080	2.0381
Cu 324.754	2.2737	1.7131	1.9019
Fe 271.441	760.054	754.810	760.348
K 766.491	27806.0	27881.4	27935.9
Mg 279.078	9651.53	9702.22	9705.85
Mn 257.610	1572.29	1578.65	1581.74
Mo 202.032	1.5810	2.3003	2.1214
Na 330.237	362564x	366818x	366564x
Ni 231.604	7.5088	7.0659	6.0311
Pb 220.353	4.9449	3.2873	3.6717
Sb 206.834	0.9884	1.9126	-0.9043u
Se 196.026	-1.8593u	-1.1924	-0.7649
Sn 189.925	-0.2683u	5.2331	-0.7347u
Sr 216.596	352.566	354.226	354.269
Ti 334.941	7.9424	7.9373	8.0205
Tl 190.794	-9.7709u	-4.8548u	-2.0625u
V 292.401	4.2236	4.0723	3.8039
Zn 206.200	16.0525	17.7049	20.0736

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.4091b	ppb	0.2840	69.4	-24.1540
Al 308.215	886.215b	ppb	4.4879	0.5	5362.23
As 188.980	0.3001b	ppb	4.6688	1555.7	-5.0867
B 249.678	75.3330b	ppb	0.0803	0.1	1066.86
Ba 389.178	261.519b	ppb	3.1150	1.2	5499.25
Be 313.042	-0.1462b	ppb	0.0051	3.5	-3433.15
Ca 370.602	72202b	ppb	185.6	0.3	266913
Cd 226.502	-0.0684b	ppb	0.1256	183.5	17.1973
Co 228.615	1.3335b	ppb	0.0614	4.6	0.5997
Cr 267.716	2.1503b	ppb	0.0972	4.5	63.0887
Cu 324.754	1.9629b	ppb	0.2852	14.5	250.723
Fe 271.441	758.404b	ppb	3.1163	0.4	692.856
K 766.491	27874.4b	ppb	65.2154	0.2	3565612
Mg 279.078	9686.54b	ppb	30.3673	0.3	20481.8
Mn 257.610	1577.56b	ppb	4.8196	0.3	217936
Mo 202.032	2.0009b	ppb	0.3745	18.7	16.8607
Na 330.237	365315xb	ppb	2385.96	0.7	21786.4
Ni 231.604	6.8686b	ppb	0.7583	11.0	22.0282
Pb 220.353	3.9680b	ppb	0.8676	21.9	3.5461
Sb 206.834	0.6656b	ppb	1.4359	215.8	5.4617
Se 196.026	-1.2722b	ppb	0.5516	43.4	8.3414
Sn 189.925	1.4100b	ppb	3.3191	235.4	-4.4327
Sr 216.596	353.687b	ppb	0.9714	0.3	2578.82
Ti 334.941	7.9668b	ppb	0.0466	0.6	2707.69
Tl 190.794	-5.5627b	ppb	3.9027	70.2	-9.6056
V 292.401	4.0333b	ppb	0.2126	5.3	129.214
Zn 206.200	17.9437b	ppb	2.0212	11.3	38.0060

mb 680-348062/1-a (Samp) **9/11/2014, 12:06:23 AM** **Rack 3, Tube 42**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Replicates Concentration		
Ag 328.068	0.4641	-0.6343u	-0.1495u
Al 308.215	2.9463	5.6660	4.1724
As 188.980	-1.8747u	3.0981	-1.4371u
B 249.678	2.4670	1.7075	1.4537
Ba 389.178	-1.1895u	-0.5483u	-0.1516u
Be 313.042	-0.0858u	-0.0808u	-0.0821u
Ca 370.602	5.510	7.733	6.843
Cd 226.502	-0.2243u	-0.0260u	0.0540
Co 228.615	-0.2789u	0.1700	0.1096
Cr 267.716	-0.2414u	-0.0397u	-0.1587u
Cu 324.754	-0.1141u	-0.0740u	-0.0470u
Fe 271.441	0.4487	1.6605	3.5846
K 766.491	1.3281	1.2226	1.5470
Mg 279.078	6.0911	4.0086	5.4547
Mn 257.610	-0.1524u	-0.0906u	-0.1274u
Mo 202.032	0.1470	-0.4500u	0.5280
Na 330.237	170.351	2.5224	126.050
Ni 231.604	-0.0424u	-0.9561u	1.5551
Pb 220.353	3.8315	2.2150	1.0440
Sb 206.834	1.5832	-2.1289u	0.1743
Se 196.026	1.9541	-9.0293u	2.6089
Sn 189.925	0.5607	-0.8149u	4.3207
Sr 216.596	-0.0432u	-0.4177u	-0.1256u
Ti 334.941	0.0357	0.0160	0.0442
Tl 190.794	3.2616	0.3139	-0.2964u
V 292.401	0.3363	0.0576	0.3626
Zn 206.200	-0.5395u	-0.1448u	-0.8366u

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.1066	ppb	0.5504	516.5	-14.6859
Al 308.215	4.2616	ppb	1.3621	32.0	364.769
As 188.980	-0.0712	ppb	2.7535	3865.4	-5.2594
B 249.678	1.8761	ppb	0.5272	28.1	63.5808
Ba 389.178	-0.6298	ppb	0.5237	83.2	-33.4853
Be 313.042	-0.0829	ppb	0.0026	3.1	-3266.37
Ca 370.602	6.695	ppb	1.119	16.7	21.75
Cd 226.502	-0.0654	ppb	0.1432	218.9	16.5992
Co 228.615	0.0003	ppb	0.2436	96148.1	-9.7544
Cr 267.716	-0.1466	ppb	0.1014	69.1	0.9634
Cu 324.754	-0.0783	ppb	0.0338	43.1	221.692
Fe 271.441	1.8979	ppb	1.5814	83.3	22.3451
K 766.491	1.3659	ppb	0.1655	12.1	1908.80
Mg 279.078	5.1848	ppb	1.0672	20.6	35.0157
Mn 257.610	-0.1235	ppb	0.0311	25.2	26.3628
Mo 202.032	0.0750	ppb	0.4930	657.6	6.2669
Na 330.237	99.6413	ppb	86.9753	87.3	62.3445
Ni 231.604	0.1855	ppb	1.2710	685.2	3.6827
Pb 220.353	2.3635	ppb	1.3997	59.2	2.0059
Sb 206.834	-0.1238	ppb	1.8739	1513.7	4.8110
Se 196.026	-1.4888	ppb	6.5385	439.2	7.6656

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Sn 189.925	1.3555	ppb	2.6585	196.1	-4.5349
Sr 216.596	-0.1955	ppb	0.1968	100.6	0.8105
Ti 334.941	0.0320	ppb	0.0145	45.3	-68.9113
Tl 190.794	1.0930	ppb	1.9026	174.1	-6.5015
V 292.401	0.2522	ppb	0.1690	67.0	10.4039
Zn 206.200	-0.5070	ppb	0.3470	68.5	0.7493

llcs 680-348062/2-a (Samp) **9/11/2014, 12:10:53 AM** **Rack 3, Tube 43**

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

Label	Replicates Concentration		
Ag 328.068	11.4170	11.2805	11.4720
Al 308.215	214.035	212.209	215.584
As 188.980	25.3811	22.5548	23.6711
B 249.678	104.238	104.035	105.490
Ba 389.178	10.2029	9.2908	10.5644
Be 313.042	4.0818	4.0790	4.1209
Ca 370.602	521.4	521.4	521.3
Cd 226.502	5.1701	5.2430	5.2880
Co 228.615	10.9188	10.4720	10.7243
Cr 267.716	10.5855	10.3172	10.6119
Cu 324.754	21.8269	21.5400	21.4836
Fe 271.441	34.8122	37.8688	36.4202
K 766.491	1142.26	1146.25	1156.75
Mg 279.078	524.281	529.323	530.693
Mn 257.610	10.7953	10.8660	10.9679
Mo 202.032	5.7408	5.2009	6.2270
Na 330.237	1033.90	1009.47	1184.18
Ni 231.604	43.8029	42.6523	42.5955
Pb 220.353	12.3428	9.6433	13.2923
Sb 206.834	18.3217	21.4561	18.3654
Se 196.026	9.0710	19.2231	17.0935
Sn 189.925	24.4954	27.7348	25.6588
Sr 216.596	10.4584	9.9772	9.9112
Ti 334.941	9.7065	9.8828	9.9559
Tl 190.794	24.0728	19.9215	31.9484
V 292.401	10.3530	10.0856	10.1537
Zn 206.200	21.7429	21.3715	22.2577

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	11.3899	ppb	0.0986	0.9	536.662
Al 308.215	213.943	ppb	1.6892	0.8	1553.69
As 188.980	23.8690	ppb	1.4235	6.0	6.2025
B 249.678	104.588	ppb	0.7879	0.8	1467.20
Ba 389.178	10.0194	ppb	0.6563	6.6	191.639
Be 313.042	4.0939	ppb	0.0234	0.6	6553.19
Ca 370.602	521.3	ppb	0.0717	0.0	1926
Cd 226.502	5.2337	ppb	0.0595	1.1	171.597
Co 228.615	10.7051	ppb	0.2240	2.1	72.3697
Cr 267.716	10.5049	ppb	0.1631	1.6	275.130
Cu 324.754	21.6168	ppb	0.1841	0.9	1270.82
Fe 271.441	36.3671	ppb	1.5290	4.2	53.6386

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
K 766.491	1148.42	ppb	7.4857	0.7	148565
Mg 279.078	528.099	ppb	3.3766	0.6	1139.40
Mn 257.610	10.8764	ppb	0.0868	0.8	1548.34
Mo 202.032	5.7229	ppb	0.5133	9.0	37.5159
Na 330.237	1075.85	ppb	94.6079	8.8	120.171
Ni 231.604	43.0169	ppb	0.6813	1.6	121.083
Pb 220.353	11.7595	ppb	1.8932	16.1	11.2916
Sb 206.834	19.3811	ppb	1.7972	9.3	21.2688
Se 196.026	15.1292	ppb	5.3535	35.4	13.3929
Sn 189.925	25.9630	ppb	1.6410	6.3	8.7543
Sr 216.596	10.1156	ppb	0.2987	3.0	74.1777
Ti 334.941	9.8484	ppb	0.1282	1.3	3379.82
Tl 190.794	25.3143	ppb	6.1088	24.1	5.5455
V 292.401	10.1974	ppb	0.1390	1.4	328.878
Zn 206.200	21.7907	ppb	0.4450	2.0	45.7362

lcs 680-348062/3-a (Samp) **9/11/2014, 12:15:23 AM** **Rack 3, Tube 44**

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

Label	Replicates Concentration		
Ag 328.068	20.9627	21.0518	20.8834
Al 308.215	2008.25	2012.84	2006.38
As 188.980	44.8415	51.1468	42.2681
B 249.678	82.4233	81.9961	82.6537
Ba 389.178	40.1259	40.1742	40.0327
Be 313.042	20.4074	20.3917	20.3329
Ca 370.602	2005	2001	1988
Cd 226.502	20.6468	20.3663	20.7409
Co 228.615	21.1576	20.9390	20.3575
Cr 267.716	41.0308	41.2755	41.2100
Cu 324.754	40.7362	41.5303	40.7866
Fe 271.441	2036.15	2032.61	2048.27
K 766.491	2195.77	2201.18	2196.50
Mg 279.078	2037.84	2036.48	2031.81
Mn 257.610	213.529	213.560	212.633
Mo 202.032	40.2372	40.2407	40.7665
Na 330.237	1921.37	2017.10	2001.35
Ni 231.604	41.5162	40.7626	43.1559
Pb 220.353	25.3601	22.5627	20.7160
Sb 206.834	23.6578	19.1174	28.5177
Se 196.026	33.1647	39.0628	32.0566
Sn 189.925	88.6773	80.0021	78.7706
Sr 216.596	40.6346	40.7528	40.3531
Ti 334.941	40.9516	40.9450	40.8284
Tl 190.794	13.5559	17.0990	20.2380
V 292.401	41.4356	41.5675	41.1909
Zn 206.200	40.0735	40.6764	40.9955

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	20.9660	ppb	0.0842	0.4	996.401
Al 308.215	2009.16	ppb	3.3271	0.2	11729.1
As 188.980	46.0854	ppb	4.5682	9.9	16.8316

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
B 249.678	82.3577	ppb	0.3337	0.4	1162.10
Ba 389.178	40.1109	ppb	0.0719	0.2	831.384
Be 313.042	20.3773	ppb	0.0393	0.2	44831.8
Ca 370.602	1998	ppb	9.115	0.5	7363
Cd 226.502	20.5847	ppb	0.1949	0.9	625.566
Co 228.615	20.8180	ppb	0.4135	2.0	149.808
Cr 267.716	41.1721	ppb	0.1267	0.3	1064.46
Cu 324.754	41.0177	ppb	0.4446	1.1	2207.84
Fe 271.441	2039.01	ppb	8.2113	0.4	1829.01
K 766.491	2197.82	ppb	2.9350	0.1	282736
Mg 279.078	2035.38	ppb	3.1618	0.2	4318.91
Mn 257.610	213.241	ppb	0.5265	0.2	29504.8
Mo 202.032	40.4148	ppb	0.3046	0.8	229.326
Na 330.237	1979.94	ppb	51.3356	2.6	172.474
Ni 231.604	41.8116	ppb	1.2237	2.9	117.852
Pb 220.353	22.8796	ppb	2.3382	10.2	22.1777
Sb 206.834	23.7643	ppb	4.7011	19.8	24.5821
Se 196.026	34.7614	ppb	3.7661	10.8	20.2162
Sn 189.925	82.4833	ppb	5.3993	6.5	39.2778
Sr 216.596	40.5802	ppb	0.2053	0.5	296.077
Ti 334.941	40.9083	ppb	0.0693	0.2	14292.1
Tl 190.794	16.9643	ppb	3.3431	19.7	1.3479
V 292.401	41.3980	ppb	0.1911	0.5	1324.88
Zn 206.200	40.5818	ppb	0.4682	1.2	83.6393

680-104984-a-1-b (Samp) **9/11/2014, 12:19:52 AM** **Rack 3, Tube 45**

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

Label	Replicates Concentration		
Ag 328.068	0.2937	0.3845	0.3579
Al 308.215	105.330	103.936	106.868
As 188.980	30.4977	25.0933	26.3673
B 249.678	6.7586	6.6635	6.3305
Ba 389.178	344.402	345.403	343.409
Be 313.042	0.2471	0.2334	0.2349
Ca 370.602	4351	4370	4345
Cd 226.502	0.1813	-0.2574	-0.0016
Co 228.615	1.6277	1.4679	2.0678
Cr 267.716	0.5153	0.7909	0.7071
Cu 324.754	385.313	384.144	383.263
Fe 271.441	4553.30	4570.56	4537.82
K 766.491	157.493	156.916	157.055
Mg 279.078	920.180	921.764	920.792
Mn 257.610	10333.9	10338.3	10312.2
Mo 202.032	2.5042	2.7855	2.9556
Na 330.237	88061.1	88227.9	87738.4
Ni 231.604	3.2488	3.2537	3.7798
Pb 220.353	7.4336	11.8387	12.0187
Sb 206.834	-2.1980u	-0.9519u	2.5920
Se 196.026	-6.4019u	-3.7261	1.4428
Sn 189.925	-0.3384u	2.1879	6.3225
Sr 216.596	36.9332	37.0493	37.2359

Label	Replicates Concentration		
Ti 334.941	1.0666	1.0374	1.1043
Tl 190.794	-3.5432u	0.8509	-4.3499u
V 292.401	0.0117	0.0477	-0.1742u
Zn 206.200	1644.71	1647.45	1645.43

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	0.3454	ppb	0.0467	13.5	41.0261
Al 308.215	105.378	ppb	1.4668	1.4	937.837
As 188.980	27.3194	ppb	2.8252	10.3	7.8208
B 249.678	6.5842	ppb	0.2248	3.4	124.801
Ba 389.178	344.405	ppb	0.9973	0.3	7225.49
Be 313.042	0.2384	ppb	0.0075	3.2	-2524.48
Ca 370.602	4355	ppb	13.19	0.3	16034
Cd 226.502	-0.0259	ppb	0.2204	849.6	29.3976
Co 228.615	1.7211	ppb	0.3106	18.0	3.6181
Cr 267.716	0.6711	ppb	0.1413	21.1	22.7326
Cu 324.754	384.240	ppb	1.0284	0.3	18815.0
Fe 271.441	4553.89	ppb	16.3821	0.4	4056.07
K 766.491	157.154	ppb	0.3009	0.2	21827.1
Mg 279.078	920.912	ppb	0.7985	0.1	1959.87
Mn 257.610	10328.1	ppb	13.9895	0.1	1426216
Mo 202.032	2.7485	ppb	0.2280	8.3	20.6807
Na 330.237	88009.1	ppb	248.843	0.3	5284.57
Ni 231.604	3.4275	ppb	0.3052	8.9	12.7343
Pb 220.353	10.4303	ppb	2.5968	24.9	9.9340
Sb 206.834	-0.1860	ppb	2.4852	1336.2	4.7218
Se 196.026	-2.8950	ppb	3.9878	137.7	8.7013
Sn 189.925	2.7240	ppb	3.3627	123.4	-3.7784
Sr 216.596	37.0728	ppb	0.1527	0.4	274.591
Ti 334.941	1.0695	ppb	0.0335	3.1	290.639
Tl 190.794	-2.3474	ppb	2.7990	119.2	-6.8476
V 292.401	-0.0383	ppb	0.1191	311.1	1.5725
Zn 206.200	1645.86	ppb	1.4177	0.1	3324.35

680-104984-a-2-b (Samp) **9/11/2014, 12:24:22 AM** **Rack 3, Tube 46**

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

Label	Replicates Concentration		
Ag 328.068	-0.0965u	-0.0847u	0.0199
Al 308.215	8.4372	8.5613	6.9000
As 188.980	4.1109	6.1700	-0.2077u
B 249.678	6.2549	6.3213	6.4586
Ba 389.178	8.6450	9.3490	9.4642
Be 313.042	-0.0990u	-0.1008u	-0.1091u
Ca 370.602	4025	4012	4020
Cd 226.502	-0.0397u	-0.4433u	-0.1051u
Co 228.615	-0.2410u	-0.5457u	0.5317
Cr 267.716	-0.2539u	-0.0954u	-0.3401u
Cu 324.754	78.3213	78.3974	78.3590
Fe 271.441	124.687	125.147	134.987
K 766.491	254.482	254.152	254.177
Mg 279.078	851.856	849.723	855.339

Label	Replicates Concentration		
Mn 257.610	178.430	177.936	178.338
Mo 202.032	0.6293	0.5890	0.7450
Na 330.237	105249x	105082x	105142x
Ni 231.604	-0.7176u	0.5205	1.7474
Pb 220.353	3.8992	0.3425	4.6233
Sb 206.834	0.5462	8.3310	1.9467
Se 196.026	-15.9475u	-6.0987u	-3.4097u
Sn 189.925	-1.1361u	2.0224	0.8802
Sr 216.596	27.1653	26.9292	27.6213
Ti 334.941	0.0955	0.0501	0.2202
Tl 190.794	3.6119	1.9644	-0.0066
V 292.401	0.2341	0.2521	0.1869
Zn 206.200	75.2016	73.4827	73.9540

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.0537b	ppb	0.0641	119.2	-11.5811
Al 308.215	7.9662b	ppb	0.9254	11.6	385.798
As 188.980	3.3577b	ppb	3.2549	96.9	-3.6187
B 249.678	6.3449b	ppb	0.1038	1.6	124.599
Ba 389.178	9.1527b	ppb	0.4435	4.8	174.385
Be 313.042	-0.1029b	ppb	0.0054	5.2	-3325.05
Ca 370.602	4019b	ppb	6.381	0.2	14853
Cd 226.502	-0.1960b	ppb	0.2166	110.5	12.7387
Co 228.615	-0.0850b	ppb	0.5554	653.2	-10.4124
Cr 267.716	-0.2298b	ppb	0.1241	54.0	-0.3185
Cu 324.754	78.3592b	ppb	0.0381	0.0	4013.49
Fe 271.441	128.274b	ppb	5.8185	4.5	134.350
K 766.491	254.270b	ppb	0.1834	0.1	34243.9
Mg 279.078	852.306b	ppb	2.8349	0.3	1823.98
Mn 257.610	178.235b	ppb	0.2630	0.1	24659.7
Mo 202.032	0.6544b	ppb	0.0810	12.4	9.4628
Na 330.237	105157xb	ppb	84.5717	0.1	6311.33
Ni 231.604	0.5168b	ppb	1.2325	238.5	4.5954
Pb 220.353	2.9550b	ppb	2.2913	77.5	2.5892
Sb 206.834	3.6079b	ppb	4.1498	115.0	7.9547
Se 196.026	-8.4853b	ppb	6.6009	77.8	5.3035
Sn 189.925	0.5888b	ppb	1.5993	271.6	-4.9282
Sr 216.596	27.2386b	ppb	0.3518	1.3	200.378
Ti 334.941	0.1220b	ppb	0.0881	72.2	-44.3103
Tl 190.794	1.8565b	ppb	1.8117	97.6	-6.1007
V 292.401	0.2243b	ppb	0.0337	15.0	8.5978
Zn 206.200	74.2128b	ppb	0.8882	1.2	151.588

680-104992-a-1-b (Samp) **9/11/2014, 12:28:52 AM** **Rack 3, Tube 47**

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

Label	Replicates Concentration		
Ag 328.068	-0.1399u	-0.0279u	-0.3546u
Al 308.215	253.282	254.306	255.138
As 188.980	-0.4412u	-2.4932u	4.3353
B 249.678	49.8883	50.2509	50.6533
Ba 389.178	64.1381	63.8488	63.7549

Label	Replicates Concentration		
Be 313.042	-0.1084u	-0.1001u	-0.0901u
Ca 370.602	40533	40535	40563
Cd 226.502	-0.0442u	0.0451	-0.3260u
Co 228.615	0.3145	-0.7561u	0.0091
Cr 267.716	0.4672	0.6596	0.6486
Cu 324.754	9.3068	9.3088	9.2218
Fe 271.441	273.730	275.798	291.277
K 766.491	3856.06	3859.48	3863.79
Mg 279.078	13365.4	13368.2	13368.7
Mn 257.610	39.0162	38.9501	39.1204
Mo 202.032	2.0329	1.2881	2.5883
Na 330.237	24950.7	24855.3	24975.0
Ni 231.604	2.2896	2.1489	1.0304
Pb 220.353	6.2963	7.5396	2.1715
Sb 206.834	1.6637	-0.1482u	-1.4088u
Se 196.026	-8.3416u	-9.7913u	-6.1554u
Sn 189.925	-3.7885u	-1.3956u	2.3213
Sr 216.596	163.963	163.502	163.569
Ti 334.941	3.8686	3.9529	3.9163
Tl 190.794	-0.8628u	2.7397	-0.8186u
V 292.401	3.1815	3.0682	3.2314
Zn 206.200	11.9272	13.2457	12.7530

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.1741	ppb	0.1660	95.3	-17.9885
Al 308.215	254.242	ppb	0.9295	0.4	1781.42
As 188.980	0.4670	ppb	3.5037	750.3	-5.0034
B 249.678	50.2642	ppb	0.3827	0.8	724.554
Ba 389.178	63.9139	ppb	0.1997	0.3	1356.42
Be 313.042	-0.0995	ppb	0.0092	9.2	-3292.26
Ca 370.602	40544	ppb	16.99	0.0	149879
Cd 226.502	-0.1084	ppb	0.1937	178.8	16.1205
Co 228.615	-0.1442	ppb	0.5515	382.5	-10.8229
Cr 267.716	0.5918	ppb	0.1081	18.3	20.1553
Cu 324.754	9.2792	ppb	0.0497	0.5	635.363
Fe 271.441	280.268	ppb	9.5901	3.4	269.064
K 766.491	3859.78	ppb	3.8719	0.1	495225
Mg 279.078	13367.4	ppb	1.7776	0.0	28257.3
Mn 257.610	39.0289	ppb	0.0859	0.2	5509.38
Mo 202.032	1.9698	ppb	0.6524	33.1	16.7283
Na 330.237	24927.0	ppb	63.2761	0.3	1538.95
Ni 231.604	1.8230	ppb	0.6900	37.8	8.1812
Pb 220.353	5.3358	ppb	2.8100	52.7	4.9320
Sb 206.834	0.0356	ppb	1.5444	4343.6	4.9188
Se 196.026	-8.0961	ppb	1.8304	22.6	5.6081
Sn 189.925	-0.9543	ppb	3.0787	322.6	-5.7774
Sr 216.596	163.678	ppb	0.2494	0.2	1196.14
Ti 334.941	3.9126	ppb	0.0422	1.1	1320.22
Tl 190.794	0.3528	ppb	2.0673	586.0	-6.8752
V 292.401	3.1604	ppb	0.0836	2.6	103.767
Zn 206.200	12.6420	ppb	0.6662	5.3	27.2974

680-104992-a-2-d (Samp) **9/11/2014, 12:33:22 AM** **Rack 3, Tube 48**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Replicates Concentration		
Ag 328.068	-0.2838u	-0.4549u	-0.4124u
Al 308.215	212.288	209.017	209.480
As 188.980	4.0469	10.2270	1.2133
B 249.678	54.2842	53.8672	54.1189
Ba 389.178	66.5511	66.9851	66.3396
Be 313.042	-0.0886u	-0.0916u	-0.1071u
Ca 370.602	41987	41964	41987
Cd 226.502	-0.0300u	-0.1243u	-0.3427u
Co 228.615	-0.3809u	0.3245	0.3198
Cr 267.716	0.2761	0.2155	0.7487
Cu 324.754	5.4465	5.5208	5.3597
Fe 271.441	242.076	255.601	240.695
K 766.491	4178.69	4172.30	4174.83
Mg 279.078	14654.7	14677.4	14661.9
Mn 257.610	317.806	317.900	317.634
Mo 202.032	2.1287	2.5301	2.4077
Na 330.237	27081.8	26969.4	26914.8
Ni 231.604	2.5432	2.7996	3.0948
Pb 220.353	1.8660	5.6786	-2.8748u
Sb 206.834	-1.0134u	0.1532	-1.4139u
Se 196.026	-5.6556u	-3.6067u	-12.7066u
Sn 189.925	-2.0063u	-3.3474u	-2.1465u
Sr 216.596	177.800	176.486	177.247
Ti 334.941	3.2470	3.2971	3.2403
Tl 190.794	2.3110	-4.0074u	-1.7515u
V 292.401	2.9210	3.2335	2.6998
Zn 206.200	4.9220	3.1855	5.3191

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.3837	ppb	0.0891	23.2	-27.1196
Al 308.215	210.262	ppb	1.7701	0.8	1532.25
As 188.980	5.1624	ppb	4.6092	89.3	-2.7552
B 249.678	54.0901	ppb	0.2100	0.4	776.877
Ba 389.178	66.6253	ppb	0.3291	0.5	1416.55
Be 313.042	-0.0958	ppb	0.0099	10.3	-3283.35
Ca 370.602	41979	ppb	12.89	0.0	155187
Cd 226.502	-0.1657	ppb	0.1604	96.8	14.3544
Co 228.615	0.0878	ppb	0.4059	462.3	-9.0643
Cr 267.716	0.4134	ppb	0.2919	70.6	15.5802
Cu 324.754	5.4423	ppb	0.0806	1.5	448.340
Fe 271.441	246.124	ppb	8.2367	3.3	238.811
K 766.491	4175.27	ppb	3.2229	0.1	535563
Mg 279.078	14664.7	ppb	11.5749	0.1	30997.3
Mn 257.610	317.780	ppb	0.1348	0.0	44007.9
Mo 202.032	2.3555	ppb	0.2057	8.7	18.8660
Na 330.237	26988.7	ppb	85.1456	0.3	1661.64
Ni 231.604	2.8125	ppb	0.2760	9.8	10.8921
Pb 220.353	1.5566	ppb	4.2851	275.3	1.1933
Sb 206.834	-0.7581	ppb	0.8142	107.4	4.2390
Se 196.026	-7.3230	ppb	4.7735	65.2	5.9199

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Sn 189.925	-2.5001	ppb	0.7372	29.5	-6.6118
Sr 216.596	177.178	ppb	0.6595	0.4	1294.13
Ti 334.941	3.2615	ppb	0.0311	1.0	1094.10
Tl 190.794	-1.1493	ppb	3.2019	278.6	-7.5780
V 292.401	2.9514	ppb	0.2681	9.1	96.9103
Zn 206.200	4.4755	ppb	1.1347	25.4	10.8115

Cont Calib Verif (CCV) **9/11/2014, 12:37:52 AM** **Rack 3, Tube 49**

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

Label	Replicates Concentration		
Ag 328.068	499.952	499.358	496.660
Al 308.215	4857.86	4836.69	4857.22
As 188.980	481.020	471.927	477.713
B 249.678	495.784	496.185	501.212
Ba 389.178	4903.47	4890.40	4892.23
Be 313.042	489.606	488.872	490.892
Ca 370.602	4926	4901	4904
Cd 226.502	488.330	487.483	488.072
Co 228.615	488.482	488.572	489.336
Cr 267.716	4910.89	4893.00	4900.92
Cu 324.754	4908.31	4884.03	4938.55
Fe 271.441	4861.14	4864.54	4870.35
K 766.491	9965.89	9938.16	9964.39
Mg 279.078	4912.19	4890.15	4906.01
Mn 257.610	4984.25	4961.52	5000.06
Mo 202.032	491.582	489.439	494.376
Na 330.237	6970.32	7033.24	6977.84
Ni 231.604	2485.82	2475.30	2477.73
Pb 220.353	493.491	486.709	487.693
Sb 206.834	930.939	936.691	937.134
Se 196.026	4897.72	4874.23	4901.07
Sn 189.925	4878.44	4867.52	4873.42
Sr 216.596	2449.60	2440.57	2445.79
Ti 334.941	483.334	482.064	482.921
Tl 190.794	5027.90	5008.38	5018.83
V 292.401	4884.42	4879.82	4889.69
Zn 206.200	2470.19	2461.63	2461.34

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Ag 328.068	498.657	ppb	1.7547	0.4	23932.0	99.73135
Al 308.215	4850.59	ppb	12.0435	0.2	28104.9	97.01181
As 188.980	476.886	ppb	4.6024	1.0	223.152	95.37730
B 249.678	497.727	ppb	3.0248	0.6	6847.85	99.54536
Ba 389.178	4895.37	ppb	7.0792	0.1	102849	97.90733
Be 313.042	489.790	ppb	1.0224	0.2	1149586	97.95805
Ca 370.602	4911	ppb	13.38	0.3	18188	98.21201
Cd 226.502	487.962	ppb	0.4341	0.1	14294.7	97.59232
Co 228.615	488.796	ppb	0.4696	0.1	3736.31	97.75928
Cr 267.716	4901.60	ppb	8.9655	0.2	126164	98.03206
Cu 324.754	4910.30	ppb	27.3135	0.6	237763	98.20596
Fe 271.441	4865.34	ppb	4.6547	0.1	4381.90	97.30688

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
K 766.491	9956.15	ppb	15.5978	0.2	1274676	99.56145
Mg 279.078	4902.78	ppb	11.3687	0.2	10369.4	98.05569
Mn 257.610	4981.94	ppb	19.3764	0.4	688013	99.63888
Mo 202.032	491.799	ppb	2.4755	0.5	2724.97	98.35981
Na 330.237	6993.80	ppb	34.3652	0.5	455.076	93.25068
Ni 231.604	2479.62	ppb	5.5052	0.2	6799.89	99.18475
Pb 220.353	489.298	ppb	3.6647	0.7	485.481	97.85957
Sb 206.834	934.921	ppb	3.4560	0.4	818.147	93.49213
Se 196.026	4891.01	ppb	14.6250	0.3	1693.25	97.82014
Sn 189.925	4873.13	ppb	5.4660	0.1	2626.42	97.46257
Sr 216.596	2445.32	ppb	4.5315	0.2	17626.3	97.81271
Ti 334.941	482.773	ppb	0.6477	0.1	169488	96.55457
Tl 190.794	5018.37	ppb	9.7681	0.2	2490.31	100.36736
V 292.401	4884.65	ppb	4.9410	0.1	156935	97.69290
Zn 206.200	2464.39	ppb	5.0258	0.2	4964.72	98.57541

Cont Calib Blank (CCB) **9/11/2014, 12:42:22 AM** **Rack 3, Tube 50**

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

Label	Replicates	Concentration	
Ag 328.068	0.0846	-0.6335u	0.2802
Al 308.215	2.6490	4.5561	6.0771
As 188.980	-4.8400u	-2.2108u	2.3856
B 249.678	4.9143	3.9659	3.4395
Ba 389.178	-0.5808u	-0.6275u	0.2346
Be 313.042	-0.0556u	-0.0613u	-0.0748u
Ca 370.602	-2.953u	3.423	0.9225
Cd 226.502	-0.0650u	-0.1041u	-0.0875u
Co 228.615	0.3463	-0.0039u	0.1692
Cr 267.716	0.6882	0.3709	-0.0151u
Cu 324.754	0.2505	0.2624	0.4890
Fe 271.441	-3.7453u	-2.5563u	-3.6375u
K 766.491	0.1446	0.3672	-0.1484u
Mg 279.078	3.9573	3.5969	2.9384
Mn 257.610	0.1302	0.0013	-0.0337u
Mo 202.032	0.7979	0.3666	0.5395
Na 330.237	-237.784u	-121.881u	26.8875
Ni 231.604	-0.3333u	0.7252	0.5368
Pb 220.353	1.6983	-3.2570u	1.8668
Sb 206.834	2.7063	9.0424	6.2874
Se 196.026	2.6687	-3.3764u	-4.6006u
Sn 189.925	0.9649	-0.2987u	-0.8538u
Sr 216.596	0.4238	-0.0824u	-0.0791u
Ti 334.941	0.1176	0.0867	0.1051
Tl 190.794	-0.4884u	0.5465	0.0452
V 292.401	0.6789	0.3216	0.4271
Zn 206.200	0.0403	-1.3861u	-0.3222u

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Ag 328.068	-0.0896	ppb	0.4811	537.2	-13.8690	-0.08956
Al 308.215	4.4274	ppb	1.7177	38.8	365.749	4.42736
As 188.980	-1.5551	ppb	3.6572	235.2	-5.9697	-1.55506

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Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
B 249.678	4.1066	ppb	0.7474	18.2	94.1287	4.10656
Ba 389.178	-0.3246	ppb	0.4848	149.4	-27.0670	-0.32456
Be 313.042	-0.0639	ppb	0.0099	15.4	-3221.73	-0.06390
Ca 370.602	0.4641	ppb	3.213	692.3	-1.338	0.46412
Cd 226.502	-0.0855	ppb	0.0196	23.0	16.0250	-0.08550
Co 228.615	0.1706	ppb	0.1751	102.7	-8.4559	0.17055
Cr 267.716	0.3480	ppb	0.3522	101.2	13.6957	0.34802
Cu 324.754	0.3340	ppb	0.1344	40.2	241.654	0.33397
Fe 271.441	-3.3130	ppb	0.6576	19.8	17.7303	-3.31304
K 766.491	0.1211	ppb	0.2586	213.5	1749.65	0.12111
Mg 279.078	3.4975	ppb	0.5167	14.8	31.4427	3.49753
Mn 257.610	0.0326	ppb	0.0863	264.8	47.9202	0.03260
Mo 202.032	0.5680	ppb	0.2171	38.2	8.9951	0.56803
Na 330.237	-110.926	ppb	132.675	119.6	49.8165	-110.92569
Ni 231.604	0.3096	ppb	0.5647	182.4	4.0229	0.30955
Pb 220.353	0.1027	ppb	2.9108	2833.9	-0.2321	0.10271
Sb 206.834	6.0121	ppb	3.1770	52.8	9.9922	6.01205
Se 196.026	-1.7694	ppb	3.8920	220.0	7.5690	-1.76944
Sn 189.925	-0.0625	ppb	0.9321	1490.1	-5.3008	-0.06255
Sr 216.596	0.0874	ppb	0.2913	333.1	2.8514	0.08745
Ti 334.941	0.1032	ppb	0.0156	15.1	-43.8983	0.10316
Tl 190.794	0.0344	ppb	0.5176	1502.7	-7.0276	0.03444
V 292.401	0.4759	ppb	0.1836	38.6	17.4773	0.47587
Zn 206.200	-0.5560	ppb	0.7414	133.3	0.6493	-0.55602

680-104992-a-2-d (Samp) **9/11/2014, 12:46:52 AM** **Rack 3, Tube 51**

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

Label	Replicates Concentration		
Ag 328.068	-0.2254u	-0.0746u	-0.5264u
Al 308.215	47.6849	46.6323	45.1686
As 188.980	3.3393	-4.0106u	2.9280
B 249.678	11.8809	12.0785	12.3151
Ba 389.178	12.4710	11.9425	12.6788
Be 313.042	-0.0888u	-0.0840u	-0.0717u
Ca 370.602	8390	8388	8412
Cd 226.502	-0.1158u	-0.2658u	-0.0585u
Co 228.615	-0.5151u	0.3637	0.0068
Cr 267.716	0.2975	-0.1722u	0.2402
Cu 324.754	0.8440	1.3285	1.1657
Fe 271.441	42.1743	43.9719	50.1737
K 766.491	773.654	773.944	772.775
Mg 279.078	2933.75	2936.80	2923.53
Mn 257.610	63.5560	63.4493	63.5637
Mo 202.032	0.7083	0.0365	0.9526
Na 330.237	5219.94	5340.50	5352.24
Ni 231.604	0.9329	0.0076	-0.5591u
Pb 220.353	0.7176	1.2575	0.1895
Sb 206.834	-0.6570u	3.8582	5.7260
Se 196.026	1.4900	-4.9262u	-6.8038u
Sn 189.925	3.1973	0.1813	-0.2643u
Sr 216.596	35.1156	34.7330	35.3518

Label	Replicates Concentration		
Ti 334.941	0.6596	0.6860	0.6788
Tl 190.794	-1.5425u	4.6356	-0.1429u
V 292.401	1.1710	0.7085	0.9292
Zn 206.200	0.4151	1.1225	0.4043

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.2755	ppb	0.2300	83.5	-22.6138
Al 308.215	46.4953	ppb	1.2638	2.7	604.128
As 188.980	0.7522	ppb	4.1299	549.0	-4.8655
B 249.678	12.0915	ppb	0.2174	1.8	203.189
Ba 389.178	12.3641	ppb	0.3796	3.1	246.911
Be 313.042	-0.0815	ppb	0.0088	10.8	-3260.32
Ca 370.602	8397	ppb	13.09	0.2	31038
Cd 226.502	-0.1467	ppb	0.1071	73.0	14.3670
Co 228.615	-0.0482	ppb	0.4420	916.8	-10.1219
Cr 267.716	0.1218	ppb	0.2562	210.3	7.9120
Cu 324.754	1.1128	ppb	0.2466	22.2	271.231
Fe 271.441	45.4400	ppb	4.1969	9.2	60.9404
K 766.491	773.457	ppb	0.6088	0.1	100624
Mg 279.078	2931.36	ppb	6.9472	0.2	6215.38
Mn 257.610	63.5230	ppb	0.0640	0.1	8831.74
Mo 202.032	0.5658	ppb	0.4744	83.8	8.9786
Na 330.237	5304.23	ppb	73.2296	1.4	371.898
Ni 231.604	0.1271	ppb	0.7531	592.4	3.5245
Pb 220.353	0.7215	ppb	0.5340	74.0	0.3779
Sb 206.834	2.9757	ppb	3.2817	110.3	7.4245
Se 196.026	-3.4133	ppb	4.3490	127.4	7.0555
Sn 189.925	1.0381	ppb	1.8832	181.4	-4.7053
Sr 216.596	35.0668	ppb	0.3122	0.9	257.956
Ti 334.941	0.6748	ppb	0.0136	2.0	162.615
Tl 190.794	0.9834	ppb	3.2394	329.4	-6.5484
V 292.401	0.9362	ppb	0.2313	24.7	32.3478
Zn 206.200	0.6473	ppb	0.4116	63.6	3.0799

680-104992-a-2-d (Samp) **9/11/2014, 12:51:21 AM** **Rack 3, Tube 52**

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

Label	Replicates Concentration		
Ag 328.068	39.1149	38.8138	38.8886
Al 308.215	2364.35	2366.85	2328.68
As 188.980	212.130	216.994	203.792
B 249.678	573.885	575.330	567.275
Ba 389.178	284.386	284.694	279.509
Be 313.042	53.8952	53.9173	53.0180
Ca 370.602	44971	44945	44249
Cd 226.502	54.6511	54.2722	53.5046
Co 228.615	215.562	215.711	211.998
Cr 267.716	216.909	216.485	212.981
Cu 324.754	223.232	223.748	220.484
Fe 271.441	2392.74	2399.60	2353.25
K 766.491	6592.12	6598.23	6510.96
Mg 279.078	17108.6	17128.3	16878.3

Label	Replicates Concentration		
Mn 257.610	550.246	551.256	542.105
Mo 202.032	214.999	212.848	210.560
Na 330.237	30144.8	30024.0	29361.6
Ni 231.604	215.538	216.877	211.591
Pb 220.353	222.894	217.925	208.538
Sb 206.834	202.955	198.845	202.175
Se 196.026	197.486	206.666	196.484
Sn 189.925	221.396	224.432	220.579
Sr 216.596	396.675	397.910	391.678
Ti 334.941	216.393	216.463	212.864
Tl 190.794	207.306	213.992	205.434
V 292.401	218.296	217.335	214.250
Zn 206.200	220.885	221.264	218.923

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	38.9391	ppb	0.1568	0.4	1859.49
Al 308.215	2353.29	ppb	21.3536	0.9	13698.7
As 188.980	210.972	ppb	6.6766	3.2	95.8046
B 249.678	572.163	ppb	4.2944	0.8	7856.67
Ba 389.178	282.863	ppb	2.9089	1.0	5969.98
Be 313.042	53.6101	ppb	0.5129	1.0	122986
Ca 370.602	44722	ppb	409.9	0.9	165341
Cd 226.502	54.1426	ppb	0.5841	1.1	1607.46
Co 228.615	214.424	ppb	2.1019	1.0	1633.68
Cr 267.716	215.458	ppb	2.1560	1.0	5550.51
Cu 324.754	222.488	ppb	1.7548	0.8	10945.6
Fe 271.441	2381.87	ppb	25.0200	1.1	2146.45
K 766.491	6567.10	ppb	48.7185	0.7	841370
Mg 279.078	17038.4	ppb	139.018	0.8	36006.6
Mn 257.610	547.869	ppb	5.0176	0.9	75797.9
Mo 202.032	212.802	ppb	2.2198	1.0	1183.24
Na 330.237	29843.5	ppb	421.686	1.4	1826.39
Ni 231.604	214.669	ppb	2.7480	1.3	591.660
Pb 220.353	216.453	ppb	7.2904	3.4	213.597
Sb 206.834	201.325	ppb	2.1828	1.1	172.853
Se 196.026	200.212	ppb	5.6119	2.8	77.4627
Sn 189.925	222.136	ppb	2.0302	0.9	114.701
Sr 216.596	395.421	ppb	3.2997	0.8	2867.11
Ti 334.941	215.240	ppb	2.0578	1.0	75549.7
Tl 190.794	208.911	ppb	4.4988	2.2	96.9841
V 292.401	216.627	ppb	2.1136	1.0	6919.32
Zn 206.200	220.358	ppb	1.2566	0.6	446.132

680-104992-a-2-e ms (Samp) **9/11/2014, 12:55:51 AM** **Rack 3, Tube 53**

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

Label	Replicates Concentration		
Ag 328.068	21.2847	20.7624	20.8658
Al 308.215	2236.79	2225.59	2234.58
As 188.980	45.0617	47.8969	43.5399
B 249.678	136.224	136.191	136.154
Ba 389.178	104.659	104.105	103.578

Label	Replicates Concentration		
Be 313.042	19.8819	19.8884	19.8632
Ca 370.602	42988	42961	42943
Cd 226.502	20.0251	19.7038	19.6470
Co 228.615	20.5799	19.5777	20.5095
Cr 267.716	40.4320	40.4356	40.5246
Cu 324.754	45.1694	45.7616	45.6800
Fe 271.441	2254.99	2256.56	2263.80
K 766.491	6189.75	6186.51	6193.24
Mg 279.078	16262.3	16252.7	16248.5
Mn 257.610	517.995	517.367	517.759
Mo 202.032	42.5141	43.1973	42.2827
Na 330.237	28251.6	28497.7	28308.0
Ni 231.604	41.3337	41.7928	42.0891
Pb 220.353	20.8706	22.8733	24.2862
Sb 206.834	16.5481	17.1561	23.0485
Se 196.026	40.3575	43.2326	35.6538
Sn 189.925	80.0464	81.6691	83.7567
Sr 216.596	212.061	211.574	211.397
Ti 334.941	43.0361	42.9544	42.9561
Tl 190.794	9.4435	12.4734	22.7412
V 292.401	43.1096	42.8835	43.0093
Zn 206.200	43.1214	43.3144	43.8988

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	20.9710	ppb	0.2766	1.3	997.464
Al 308.215	2232.32	ppb	5.9339	0.3	12993.8
As 188.980	45.4995	ppb	2.2112	4.9	16.5500
B 249.678	136.190	ppb	0.0352	0.0	1897.50
Ba 389.178	104.114	ppb	0.5405	0.5	2211.97
Be 313.042	19.8778	ppb	0.0131	0.1	43670.5
Ca 370.602	42964	ppb	22.70	0.1	158807
Cd 226.502	19.7919	ppb	0.2039	1.0	603.014
Co 228.615	20.2224	ppb	0.5594	2.8	145.243
Cr 267.716	40.4641	ppb	0.0524	0.1	1046.44
Cu 324.754	45.5370	ppb	0.3209	0.7	2387.03
Fe 271.441	2258.45	ppb	4.6980	0.2	2023.46
K 766.491	6189.83	ppb	3.3632	0.1	793135
Mg 279.078	16254.5	ppb	7.0767	0.0	34351.3
Mn 257.610	517.707	ppb	0.3175	0.1	71628.3
Mo 202.032	42.6647	ppb	0.4755	1.1	241.758
Na 330.237	28352.4	ppb	128.921	0.5	1741.07
Ni 231.604	41.7385	ppb	0.3806	0.9	117.660
Pb 220.353	22.6767	ppb	1.7163	7.6	21.9626
Sb 206.834	18.9176	ppb	3.5904	19.0	20.4431
Se 196.026	39.7479	ppb	3.8260	9.6	22.1897
Sn 189.925	81.8241	ppb	1.8600	2.3	38.9269
Sr 216.596	211.677	ppb	0.3436	0.2	1543.81
Ti 334.941	42.9822	ppb	0.0467	0.1	15048.3
Tl 190.794	14.8860	ppb	6.9694	46.8	0.3506
V 292.401	43.0008	ppb	0.1133	0.3	1376.12
Zn 206.200	43.4449	ppb	0.4048	0.9	89.4253

680-104992-a-2-f msd (Samp) **9/11/2014, 1:00:21 AM** **Rack 3, Tube 54**

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

Label	Replicates Concentration		
Ag 328.068	20.8205	20.4563	20.8518
Al 308.215	2222.86	2259.67	2241.09
As 188.980	44.6454	45.4070	44.3508
B 249.678	132.553	134.084	133.686
Ba 389.178	103.184	104.210	103.510
Be 313.042	19.6542	19.9212	19.7605
Ca 370.602	42441	43043	42685
Cd 226.502	19.4171	19.7245	19.6082
Co 228.615	20.3696	20.2678	20.7124
Cr 267.716	40.0541	40.1993	40.4889
Cu 324.754	44.6622	45.7194	46.0468
Fe 271.441	2236.85	2293.75	2254.36
K 766.491	6104.26	6188.97	6150.36
Mg 279.078	16054.4	16364.4	16192.2
Mn 257.610	511.942	518.715	514.736
Mo 202.032	41.3371	43.1601	41.1240
Na 330.237	27910.2	28172.2	27957.3
Ni 231.604	42.4860	41.8653	41.2389
Pb 220.353	20.9339	24.0208	21.4679
Sb 206.834	18.2231	21.8840	16.8867
Se 196.026	45.3647	33.7838	34.7563
Sn 189.925	74.7044	90.1652	75.5469
Sr 216.596	210.411	212.315	209.803
Ti 334.941	42.7780	43.3638	43.0636
Tl 190.794	4.8695	17.4011	15.2396
V 292.401	42.7036	43.4990	43.1265
Zn 206.200	43.6986	45.6810	44.4767

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	20.7095	ppb	0.2199	1.1	984.919
Al 308.215	2241.21	ppb	18.4065	0.8	13044.1
As 188.980	44.8010	ppb	0.5450	1.2	16.2154
B 249.678	133.441	ppb	0.7948	0.6	1859.91
Ba 389.178	103.635	ppb	0.5239	0.5	2201.81
Be 313.042	19.7786	ppb	0.1344	0.7	43437.4
Ca 370.602	42723	ppb	303.0	0.7	157916
Cd 226.502	19.5833	ppb	0.1552	0.8	596.950
Co 228.615	20.4499	ppb	0.2329	1.1	147.005
Cr 267.716	40.2475	ppb	0.2214	0.6	1040.86
Cu 324.754	45.4762	ppb	0.7237	1.6	2384.30
Fe 271.441	2261.65	ppb	29.1394	1.3	2026.37
K 766.491	6147.86	ppb	42.4081	0.7	787768
Mg 279.078	16203.7	ppb	155.353	1.0	34243.8
Mn 257.610	515.131	ppb	3.4040	0.7	71272.4
Mo 202.032	41.8738	ppb	1.1191	2.7	237.379
Na 330.237	28013.2	ppb	139.684	0.5	1720.89
Ni 231.604	41.8634	ppb	0.6236	1.5	118.003
Pb 220.353	22.1409	ppb	1.6498	7.5	21.4318
Sb 206.834	18.9979	ppb	2.5872	13.6	20.5219
Se 196.026	37.9683	ppb	6.4239	16.9	21.5755

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Sn 189.925	80.1388	ppb	8.6933	10.8	38.0168
Sr 216.596	210.843	ppb	1.3103	0.6	1537.73
Ti 334.941	43.0685	ppb	0.2929	0.7	15078.6
Tl 190.794	12.5034	ppb	6.6989	53.6	-0.8330
V 292.401	43.1097	ppb	0.3980	0.9	1379.84
Zn 206.200	44.6188	ppb	0.9988	2.2	91.7959

mb 680-347512/1-a (Samp) **9/11/2014, 1:04:51 AM** **Rack 3, Tube 55**

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

Label	Replicates Concentration		
Ag 328.068	0.1057	-0.3638u	0.3118
Al 308.215	14.2327	9.7872	12.5439
As 188.980	3.9479	0.7298	-3.8750u
B 249.678	3.7808	2.7761	3.0627
Ba 389.178	-0.7200u	-1.1311u	-0.4933u
Be 313.042	-0.0980u	-0.0899u	-0.0805u
Ca 370.602	19.44	20.69	20.50
Cd 226.502	0.0367	0.0032	-0.1180u
Co 228.615	-0.0348u	0.1526	0.2198
Cr 267.716	0.3447	0.4585	0.4227
Cu 324.754	0.1669	0.1062	0.1732
Fe 271.441	6.6443	4.6183	13.5037
K 766.491	6.8433	6.8612	6.4471
Mg 279.078	5.1783	4.5370	4.7837
Mn 257.610	0.0073	-0.0018u	-0.0407u
Mo 202.032	0.7830	0.3337	0.5766
Na 330.237	164.645	86.7290	27.0536
Ni 231.604	1.6512	0.2550	0.7602
Pb 220.353	0.6244	0.4031	1.2090
Sb 206.834	0.9616	3.4323	-0.0848u
Se 196.026	4.1972	-3.8176u	1.8684
Sn 189.925	6.1643	6.0984	5.1485
Sr 216.596	-0.6161u	-0.6965u	0.1095
Ti 334.941	0.2869	0.2482	0.2041
Tl 190.794	-2.1347u	-3.2643u	2.0399
V 292.401	0.2416	0.2127	0.0770
Zn 206.200	2.6950	0.5797	1.2402

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	0.0179	ppb	0.3463	1933.5	-8.7173
Al 308.215	12.1880	ppb	2.2440	18.4	409.702
As 188.980	0.2676	ppb	3.9319	1469.4	-5.0972
B 249.678	3.2065	ppb	0.5176	16.1	81.7467
Ba 389.178	-0.7815	ppb	0.3233	41.4	-36.6508
Be 313.042	-0.0895	ppb	0.0088	9.8	-3281.96
Ca 370.602	20.21	ppb	0.6741	3.3	71.59
Cd 226.502	-0.0261	ppb	0.0814	312.2	17.7795
Co 228.615	0.1126	ppb	0.1319	117.2	-8.8986
Cr 267.716	0.4086	ppb	0.0582	14.2	15.2615
Cu 324.754	0.1488	ppb	0.0370	24.8	232.676
Fe 271.441	8.2554	ppb	4.6566	56.4	28.0169

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Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
K 766.491	6.7172	ppb	0.2341	3.5	2592.99
Mg 279.078	4.8330	ppb	0.3235	6.7	34.2497
Mn 257.610	-0.0117	ppb	0.0255	217.2	41.8211
Mo 202.032	0.5644	ppb	0.2249	39.8	8.9748
Na 330.237	92.8092	ppb	68.9969	74.3	61.9230
Ni 231.604	0.8888	ppb	0.7070	79.5	5.6108
Pb 220.353	0.7455	ppb	0.4164	55.9	0.4036
Sb 206.834	1.4364	ppb	1.8060	125.7	6.1250
Se 196.026	0.7494	ppb	4.1229	550.2	8.4365
Sn 189.925	5.8037	ppb	0.5684	9.8	-2.1327
Sr 216.596	-0.4010	ppb	0.4439	110.7	-0.6920
Ti 334.941	0.2464	ppb	0.0414	16.8	6.4019
Tl 190.794	-1.1197	ppb	2.7940	249.5	-7.6012
V 292.401	0.1771	ppb	0.0879	49.6	7.8404
Zn 206.200	1.5049	ppb	1.0822	71.9	4.8096

lcs 680-347512/2-a (Samp) **9/11/2014, 1:09:21 AM** **Rack 3, Tube 56**

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

Label	Replicates Concentration		
Ag 328.068	51.7182	52.3242	51.4911
Al 308.215	4861.33	4863.37	4854.72
As 188.980	105.477	99.6142	96.1231
B 249.678	189.836	190.483	190.871
Ba 389.178	97.1955	98.5796	97.5322
Be 313.042	49.6226	49.7638	49.5975
Ca 370.602	4858	4878	4851
Cd 226.502	49.3310	49.6607	49.4253
Co 228.615	50.0906	49.8917	50.1970
Cr 267.716	100.274	100.358	100.892
Cu 324.754	100.299	100.647	100.364
Fe 271.441	4907.88	4904.04	4890.61
K 766.491	4997.93	5011.10	4995.89
Mg 279.078	4835.40	4851.64	4836.36
Mn 257.610	515.856	517.597	515.287
Mo 202.032	99.4926	98.8467	98.3355
Na 330.237	4955.44	4864.22	4783.50
Ni 231.604	100.297	100.215	97.1671
Pb 220.353	49.1439	49.6814	48.3451
Sb 206.834	53.5009	51.4938	49.2340
Se 196.026	80.5048	92.7497	84.8301
Sn 189.925	206.230	211.926	216.103
Sr 216.596	97.7028	97.7684	97.1329
Ti 334.941	99.1716	99.4603	98.9516
Tl 190.794	36.0068	40.7764	34.8439
V 292.401	99.5642	99.6867	99.2572
Zn 206.200	100.960	100.220	98.5634

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	51.8445	ppb	0.4307	0.8	2477.97
Al 308.215	4859.81	ppb	4.5203	0.1	27887.5
As 188.980	100.405	ppb	4.7269	4.7	42.8286

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Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
B 249.678	190.397	ppb	0.5230	0.3	2636.70
Ba 389.178	97.7691	ppb	0.7218	0.7	2055.20
Be 313.042	49.6613	ppb	0.0897	0.2	113673
Ca 370.602	4862	ppb	13.60	0.3	17925
Cd 226.502	49.4723	ppb	0.1698	0.3	1477.51
Co 228.615	50.0597	ppb	0.1549	0.3	373.916
Cr 267.716	100.508	ppb	0.3354	0.3	2591.72
Cu 324.754	100.437	ppb	0.1848	0.2	5079.58
Fe 271.441	4900.84	ppb	9.0643	0.2	4367.15
K 766.491	5001.64	ppb	8.2527	0.2	641218
Mg 279.078	4841.13	ppb	9.1115	0.2	10239.2
Mn 257.610	516.247	ppb	1.2035	0.2	71367.6
Mo 202.032	98.8916	ppb	0.5798	0.6	552.680
Na 330.237	4867.72	ppb	86.0243	1.8	341.813
Ni 231.604	99.2262	ppb	1.7837	1.8	275.327
Pb 220.353	49.0568	ppb	0.6724	1.4	47.8954
Sb 206.834	51.4096	ppb	2.1347	4.2	47.3360
Se 196.026	86.0282	ppb	6.2098	7.2	37.9664
Sn 189.925	211.420	ppb	4.9560	2.3	108.909
Sr 216.596	97.5347	ppb	0.3495	0.4	708.525
Ti 334.941	99.1945	ppb	0.2551	0.3	34769.4
Tl 190.794	37.2090	ppb	3.1437	8.4	11.3561
V 292.401	99.5027	ppb	0.2213	0.2	3180.70
Zn 206.200	99.9146	ppb	1.2273	1.2	203.333

680-104929-a-1-a (Samp) **9/11/2014, 1:13:51 AM** **Rack 3, Tube 57**

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

Label	Replicates Concentration		
Ag 328.068	-0.4706u	-0.5374u	-0.5519u
Al 308.215	36037.1	36233.4	36093.3
As 188.980	8.8208	14.4564	6.9948
B 249.678	9.9654	9.7179	8.9035
Ba 389.178	202.868	204.483	203.661
Be 313.042	0.9773	0.9887	0.9876
Ca 370.602	2662	2677	2678
Cd 226.502	0.3281	0.1767	0.2057
Co 228.615	6.7446	6.8899	6.5924
Cr 267.716	48.8352	49.0783	48.3968
Cu 324.754	30.6813	30.9200	31.2146
Fe 271.441	40951.6	41113.7	41048.8
K 766.491	3022.39	3036.91	3028.97
Mg 279.078	2310.92	2315.74	2307.48
Mn 257.610	527.252	530.081	527.858
Mo 202.032	3.8249	3.3714	4.3944
Na 330.237	290.047u	433.222	150.638u
Ni 231.604	19.0578	20.5725	20.2133
Pb 220.353	271.428	284.650	275.409
Sb 206.834	0.7973	1.2591	-0.2327
Se 196.026	-14.9813u	-9.9216u	-5.4796u
Sn 189.925	13.1431	12.5166	10.2242
Sr 216.596	18.5764	19.1709	19.7278

Label	Replicates Concentration		
Ti 334.941	391.988	393.774	392.492
Tl 190.794	-0.6196u	-4.4365u	6.7376
V 292.401	96.3589	96.6905	96.0141
Zn 206.200	106.689	105.742	106.850

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.5199	ppb	0.0434	8.3	-36.7434
Al 308.215	36121.3	ppb	101.105	0.3	205009
As 188.980	10.0907	ppb	3.8895	38.5	-0.6918
B 249.678	9.5289	ppb	0.5556	5.8	139.860
Ba 389.178	203.671	ppb	0.8077	0.4	4340.00
Be 313.042	0.9845	ppb	0.0063	0.6	-723.632
Ca 370.602	2672	ppb	8.861	0.3	9381
Cd 226.502	0.2368	ppb	0.0804	33.9	133.382
Co 228.615	6.7423	ppb	0.1487	2.2	49.7016
Cr 267.716	48.7701	ppb	0.3454	0.7	1259.76
Cu 324.754	30.9387	ppb	0.2671	0.9	1711.21
Fe 271.441	41038.0	ppb	81.5723	0.2	36386.5
K 766.491	3029.42	ppb	7.2721	0.2	389061
Mg 279.078	2311.38	ppb	4.1515	0.2	4822.24
Mn 257.610	528.397	ppb	1.4898	0.3	73111.5
Mo 202.032	3.8636	ppb	0.5126	13.3	23.7469
Na 330.237	291.302	ppb	141.297	48.5	48.1820
Ni 231.604	19.9478	ppb	0.7915	4.0	59.3427
Pb 220.353	277.163	ppb	6.7833	2.4	271.961
Sb 206.834	0.6079	ppb	0.7637	125.6	5.6884
Se 196.026	-10.1275	ppb	4.7542	46.9	5.3343
Sn 189.925	11.9613	ppb	1.5366	12.8	1.1926
Sr 216.596	19.1584	ppb	0.5758	3.0	169.317
Ti 334.941	392.751	ppb	0.9206	0.2	137874
Tl 190.794	0.5605	ppb	5.6797	1013.3	-8.6080
V 292.401	96.3545	ppb	0.3382	0.4	3124.85
Zn 206.200	106.427	ppb	0.5990	0.6	217.417

680-104929-a-1-aSD^5 (Samp) **9/11/2014, 1:18:21 AM** **Rack 3, Tube 58**

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

Label	Replicates Concentration		
Ag 328.068	-0.0047u	-0.3840u	0.1952
Al 308.215	8564.14	8494.88	7932.57
As 188.980	1.9048	2.0567	3.0686
B 249.678	2.6950	2.1416	2.1885
Ba 389.178	48.0776	46.9939	45.3356
Be 313.042	0.1648	0.1547	0.1334
Ca 370.602	631.0	623.3	589.7
Cd 226.502	0.2631	-0.0066	-0.0774
Co 228.615	1.5577	1.6615	0.4378
Cr 267.716	11.2958	11.5120	10.7961
Cu 324.754	7.3692	7.3621	6.7917
Fe 271.441	9725.79	9644.76	9016.57
K 766.491	648.989	646.457	623.176
Mg 279.078	549.631	545.750	514.768

Label	Replicates Concentration		
Mn 257.610	123.835	122.922	115.085
Mo 202.032	0.9722	0.4621	0.4918
Na 330.237	156.156	94.5833u	-51.4777u
Ni 231.604	4.1808	5.0717	5.4137
Pb 220.353	65.1243	65.9407	59.5166
Sb 206.834	4.5120	2.4924	9.3567
Se 196.026	-0.0486	5.9159	-4.1739u
Sn 189.925	4.4213	1.0233	5.2454
Sr 216.596	4.0605	4.0544	4.8068
Ti 334.941	93.2277	92.4386	86.5598
Tl 190.794	-7.6716u	1.7018	3.4206
V 292.401	22.5138	22.9623	21.3655
Zn 206.200	25.3115	26.4081	23.2385

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.0645	ppb	0.2942	456.0	-13.1885
Al 308.215	8330.53	ppb	346.378	4.2	47542.6
As 188.980	2.3434	ppb	0.6326	27.0	-4.1721
B 249.678	2.3417	ppb	0.3069	13.1	63.4608
Ba 389.178	46.8024	ppb	1.3810	3.0	981.765
Be 313.042	0.1509	ppb	0.0160	10.6	-2708.98
Ca 370.602	614.7	ppb	21.94	3.6	2155
Cd 226.502	0.0597	ppb	0.1797	301.0	45.1401
Co 228.615	1.2190	ppb	0.6785	55.7	1.3878
Cr 267.716	11.2013	ppb	0.3672	3.3	292.987
Cu 324.754	7.1743	ppb	0.3314	4.6	570.020
Fe 271.441	9462.37	ppb	388.200	4.1	8405.77
K 766.491	639.541	ppb	14.2287	2.2	83502.5
Mg 279.078	536.716	ppb	19.1066	3.6	1138.37
Mn 257.610	120.614	ppb	4.8100	4.0	16722.4
Mo 202.032	0.6420	ppb	0.2863	44.6	8.6014
Na 330.237	66.4204	ppb	106.643	160.6	54.4711
Ni 231.604	4.8887	ppb	0.6365	13.0	16.9181
Pb 220.353	63.5272	ppb	3.4972	5.5	62.0755
Sb 206.834	5.4537	ppb	3.5277	64.7	9.5903
Se 196.026	0.5645	ppb	5.0727	898.7	8.5208
Sn 189.925	3.5633	ppb	2.2380	62.8	-3.3426
Sr 216.596	4.3072	ppb	0.4326	10.0	39.9563
Ti 334.941	90.7420	ppb	3.6434	4.0	31793.0
Tl 190.794	-0.8497	ppb	5.9701	702.6	-7.8913
V 292.401	22.2805	ppb	0.8236	3.7	724.383
Zn 206.200	24.9860	ppb	1.6097	6.4	52.3962

680-104929-a-1-aPDS (Samp) **9/11/2014, 1:22:51 AM** **Rack 3, Tube 59**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Replicates Concentration		
Ag 328.068	48.5157	48.4997	48.6566
Al 308.215	37814.2	37852.1	37810.1
As 188.980	218.467	219.649	223.278
B 249.678	521.759	524.715	524.903
Ba 389.178	415.684	416.589	414.843

Label	Replicates Concentration		
Be 313.042	55.2909	55.3904	55.3455
Ca 370.602	4622	4617	4613
Cd 226.502	54.3460	54.3247	54.1602
Co 228.615	221.933	222.834	221.702
Cr 267.716	263.918	264.429	264.993
Cu 324.754	250.252	250.589	249.118
Fe 271.441	42589.7	42624.5	42593.2
K 766.491	5196.28	5209.45	5192.78
Mg 279.078	4405.16	4410.09	4405.83
Mn 257.610	738.650	740.333	739.121
Mo 202.032	216.399	216.148	216.136
Na 330.237	2361.95	2447.96	2278.00
Ni 231.604	233.619	233.527	234.270
Pb 220.353	480.375	488.042	484.236
Sb 206.834	203.378	205.012	201.067
Se 196.026	212.149	204.635	209.600
Sn 189.925	232.681	230.202	227.269
Sr 216.596	232.116	232.148	231.472
Ti 334.941	598.884	599.634	598.604
Tl 190.794	206.269	215.321	202.987
V 292.401	306.648	307.529	307.008
Zn 206.200	323.636	319.705	319.706

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	48.5574	ppb	0.0863	0.2	2317.63
Al 308.215	37825.4	ppb	23.1478	0.1	214689
As 188.980	220.465	ppb	2.5068	1.1	100.058
B 249.678	523.792	ppb	1.7632	0.3	7168.00
Ba 389.178	415.705	ppb	0.8732	0.2	8803.30
Be 313.042	55.3422	ppb	0.0498	0.1	127076
Ca 370.602	4617	ppb	4.548	0.1	16594
Cd 226.502	54.2770	ppb	0.1017	0.2	1717.02
Co 228.615	222.156	ppb	0.5982	0.3	1700.56
Cr 267.716	264.447	ppb	0.5379	0.2	6810.98
Cu 324.754	249.986	ppb	0.7703	0.3	12306.3
Fe 271.441	42602.5	ppb	19.1607	0.0	37788.0
K 766.491	5199.50	ppb	8.7936	0.2	666516
Mg 279.078	4407.03	ppb	2.6746	0.1	9245.43
Mn 257.610	739.368	ppb	0.8681	0.1	102259
Mo 202.032	216.228	ppb	0.1486	0.1	1198.78
Na 330.237	2362.64	ppb	84.9838	3.6	166.707
Ni 231.604	233.805	ppb	0.4054	0.2	645.573
Pb 220.353	484.218	ppb	3.8336	0.8	476.629
Sb 206.834	203.153	ppb	1.9822	1.0	174.662
Se 196.026	208.795	ppb	3.8212	1.8	80.7833
Sn 189.925	230.051	ppb	2.7093	1.2	118.970
Sr 216.596	231.912	ppb	0.3816	0.2	1701.87
Ti 334.941	599.041	ppb	0.5325	0.1	210330
Tl 190.794	208.192	ppb	6.3881	3.1	94.7720
V 292.401	307.062	ppb	0.4431	0.1	9850.72
Zn 206.200	321.016	ppb	2.2694	0.7	650.110

680-104929-a-1-b ms (Samp) **9/11/2014, 1:27:20 AM** **Rack 3, Tube 60**

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

Label	Replicates Concentration		
Ag 328.068	53.5788	52.1306	52.5746
Al 308.215	52393.9	51462.7	51407.5
As 188.980	115.611	115.172	115.229
B 249.678	180.931	178.673	177.839
Ba 389.178	346.906	339.478	340.265
Be 313.042	52.9488	51.9949	51.9386
Ca 370.602	8094	7945	7939
Cd 226.502	51.4669	50.8308	50.6541
Co 228.615	60.2096	58.2755	59.1885
Cr 267.716	164.872	162.001	161.762
Cu 324.754	138.845	138.006	138.599
Fe 271.441	53146.1	52094.0	52020.3
K 766.491	7863.67	7745.89	7736.44
Mg 279.078	7845.59	7711.25	7722.31
Mn 257.610	1153.47	1132.67	1131.77
Mo 202.032	98.5020	97.3812	96.0433
Na 330.237	5173.66	5038.44	5040.01
Ni 231.604	129.853	125.369	126.452
Pb 220.353	370.269	362.904	360.335
Sb 206.834	18.8391	23.4371	21.5047
Se 196.026	99.3999	95.0777	93.0997
Sn 189.925	205.217	201.722	205.704
Sr 216.596	126.519	122.919	123.305
Ti 334.941	504.208	495.495	495.321
Tl 190.794	42.8551	37.3438	35.3120
V 292.401	216.083	211.563	211.418
Zn 206.200	227.412	227.396	223.529

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	52.7613	ppb	0.7420	1.4	2519.46
Al 308.215	51754.7	ppb	554.267	1.1	293600
As 188.980	115.338	ppb	0.2387	0.2	49.6319
B 249.678	179.147	ppb	1.5997	0.9	2449.82
Ba 389.178	342.216	ppb	4.0806	1.2	7285.57
Be 313.042	52.2941	ppb	0.5677	1.1	119902
Ca 370.602	7993	ppb	87.66	1.1	28911
Cd 226.502	50.9839	ppb	0.4275	0.8	1646.67
Co 228.615	59.2245	ppb	0.9675	1.6	452.457
Cr 267.716	162.878	ppb	1.7306	1.1	4196.81
Cu 324.754	138.483	ppb	0.4317	0.3	6908.36
Fe 271.441	52420.1	ppb	629.773	1.2	46476.4
K 766.491	7782.00	ppb	70.8861	0.9	996701
Mg 279.078	7759.72	ppb	74.5749	1.0	16306.7
Mn 257.610	1139.30	ppb	12.2790	1.1	157525
Mo 202.032	97.3088	ppb	1.2310	1.3	539.883
Na 330.237	5084.04	ppb	77.6215	1.5	325.974
Ni 231.604	127.225	ppb	2.3395	1.8	353.800
Pb 220.353	364.502	ppb	5.1561	1.4	357.576
Sb 206.834	21.2603	ppb	2.3087	10.9	22.2918
Se 196.026	95.8591	ppb	3.2220	3.4	42.0988

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Sn 189.925	204.214	ppb	2.1717	1.1	105.018
Sr 216.596	124.248	ppb	1.9763	1.6	934.709
Ti 334.941	498.341	ppb	5.0815	1.0	174972
Tl 190.794	38.5036	ppb	3.9030	10.1	9.8169
V 292.401	213.021	ppb	2.6522	1.2	6859.42
Zn 206.200	226.112	ppb	2.2373	1.0	459.000

Cont Calib Verif (CCV) **9/11/2014, 1:31:51 AM** **Rack 4, Tube 1**

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

Label	Replicates Concentration		
Ag 328.068	497.558	497.465	499.141
Al 308.215	4843.87	4856.88	4856.82
As 188.980	474.316	489.154	478.248
B 249.678	497.405	501.202	502.868
Ba 389.178	4893.51	4898.20	4907.35
Be 313.042	491.245	490.301	491.079
Ca 370.602	4902	4912	4920
Cd 226.502	487.098	487.897	487.899
Co 228.615	488.435	488.493	490.773
Cr 267.716	4895.50	4897.63	4905.43
Cu 324.754	4916.37	4924.69	4974.10
Fe 271.441	4885.56	4860.49	4868.81
K 766.491	9927.23	9932.19	9948.78
Mg 279.078	4888.00	4900.04	4902.95
Mn 257.610	4984.99	4976.55	4991.74
Mo 202.032	490.226	490.101	488.764
Na 330.237	6751.16	6917.56	6965.85
Ni 231.604	2471.59	2473.87	2488.16
Pb 220.353	487.852	482.825	479.781
Sb 206.834	933.358	925.695	929.996
Se 196.026	4868.40	4894.22	4881.94
Sn 189.925	4867.30	4854.53	4873.68
Sr 216.596	2446.93	2448.87	2447.78
Ti 334.941	482.295	482.698	483.239
Tl 190.794	4988.77	5007.35	5042.45
V 292.401	4878.92	4880.89	4894.69
Zn 206.200	2448.32	2463.53	2470.87

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Ag 328.068	498.054	ppb	0.9420	0.2	23903.1	99.61089
Al 308.215	4852.53	ppb	7.4950	0.2	28115.9	97.05051
As 188.980	480.573	ppb	7.6873	1.6	224.916	96.11455
B 249.678	500.492	ppb	2.7995	0.6	6885.55	100.09834
Ba 389.178	4899.68	ppb	7.0399	0.1	102940	97.99368
Be 313.042	490.875	ppb	0.5036	0.1	1152136	98.17496
Ca 370.602	4911	ppb	9.285	0.2	18190	98.22202
Cd 226.502	487.631	ppb	0.4615	0.1	14285.1	97.52623
Co 228.615	489.234	ppb	1.3332	0.3	3739.71	97.84673
Cr 267.716	4899.52	ppb	5.2263	0.1	126110	97.99037
Cu 324.754	4938.39	ppb	31.2091	0.6	239122	98.76776
Fe 271.441	4871.62	ppb	12.7669	0.3	4387.54	97.43245

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
K 766.491	9936.07	ppb	11.2851	0.1	1272109	99.36070
Mg 279.078	4897.00	ppb	7.9275	0.2	10357.2	97.93994
Mn 257.610	4984.43	ppb	7.6109	0.2	688356	99.68857
Mo 202.032	489.697	ppb	0.8106	0.2	2713.33	97.93941
Na 330.237	6878.19	ppb	112.625	1.6	448.197	91.70918
Ni 231.604	2477.87	ppb	8.9815	0.4	6795.09	99.11478
Pb 220.353	483.486	ppb	4.0757	0.8	479.731	96.69719
Sb 206.834	929.683	ppb	3.8412	0.4	813.765	92.96825
Se 196.026	4881.52	ppb	12.9135	0.3	1689.99	97.63044
Sn 189.925	4865.17	ppb	9.7518	0.2	2622.12	97.30337
Sr 216.596	2447.86	ppb	0.9728	0.0	17644.8	97.91446
Ti 334.941	482.744	ppb	0.4737	0.1	169478	96.54884
Tl 190.794	5012.85	ppb	27.2590	0.5	2487.57	100.25710
V 292.401	4884.83	ppb	8.5941	0.2	156941	97.69669
Zn 206.200	2460.91	ppb	11.4986	0.5	4957.69	98.43623

Cont Calib Blank (CCB) **9/11/2014, 1:36:21 AM** **Rack 4, Tube 2**

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

Label	Replicates Concentration		
Ag 328.068	-0.1016u	-0.0033u	-0.3599u
Al 308.215	5.9885	3.7952	3.1087
As 188.980	3.2302	1.3716	5.2096
B 249.678	5.4940	5.1730	4.6473
Ba 389.178	0.2265	0.2934	0.5203
Be 313.042	-0.0638u	-0.0684u	-0.0629u
Ca 370.602	1.125	1.843	3.803
Cd 226.502	0.0956	0.0240	0.1807
Co 228.615	0.2399	-0.0667u	0.1297
Cr 267.716	0.4467	0.1600	0.2990
Cu 324.754	0.4335	0.2190	0.3618
Fe 271.441	-2.8848u	-0.5086u	3.4215
K 766.491	-0.0166u	-0.1581u	-0.0040u
Mg 279.078	0.7540	0.0139	3.5618
Mn 257.610	0.0104	0.0237	-0.0642u
Mo 202.032	1.1912	0.6198	0.2845
Na 330.237	222.077	-137.483u	-17.0732u
Ni 231.604	-0.1487u	0.0167	1.0148
Pb 220.353	3.0443	-1.2123u	1.5071
Sb 206.834	5.9552	3.0782	1.0821
Se 196.026	-8.3579u	-2.9141u	-2.0847u
Sn 189.925	2.0242	2.5202	-3.0466u
Sr 216.596	0.1160	0.3222	0.0876
Ti 334.941	0.1297	0.1553	0.1792
Tl 190.794	3.9142	-0.3331u	1.1712
V 292.401	0.3572	0.6967	0.4079
Zn 206.200	-0.3928u	0.0273	-0.0714u

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Ag 328.068	-0.1549	ppb	0.1842	118.9	-17.0037	-0.15492
Al 308.215	4.2974	ppb	1.5042	35.0	365.019	4.29744
As 188.980	3.2705	ppb	1.9193	58.7	-3.6596	3.27046

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
B 249.678	5.1048	ppb	0.4274	8.4	107.749	5.10476
Ba 389.178	0.3467	ppb	0.1540	44.4	-12.9698	0.34674
Be 313.042	-0.0650	ppb	0.0029	4.5	-3224.40	-0.06502
Ca 370.602	2.257	ppb	1.386	61.4	5.299	2.25683
Cd 226.502	0.1001	ppb	0.0784	78.4	21.4502	0.10009
Co 228.615	0.1010	ppb	0.1553	153.9	-8.9909	0.10096
Cr 267.716	0.3019	ppb	0.1434	47.5	12.5098	0.30192
Cu 324.754	0.3381	ppb	0.1092	32.3	241.853	0.33811
Fe 271.441	0.0094	ppb	3.1849	34002.3	20.7106	0.00937
K 766.491	-0.0595	ppb	0.0855	143.7	1726.55	-0.05954
Mg 279.078	1.4432	ppb	1.8717	129.7	27.1032	1.44323
Mn 257.610	-0.0100	ppb	0.0474	471.4	42.0181	-0.01005
Mo 202.032	0.6985	ppb	0.4585	65.6	9.7170	0.69848
Na 330.237	22.5069	ppb	183.018	813.2	57.7490	22.50691
Ni 231.604	0.2943	ppb	0.6294	213.9	3.9810	0.29427
Pb 220.353	1.1130	ppb	2.1555	193.7	0.7677	1.11302
Sb 206.834	3.3718	ppb	2.4498	72.7	7.7586	3.37184
Se 196.026	-4.4523	ppb	3.4077	76.5	6.6451	-4.45226
Sn 189.925	0.4993	ppb	3.0808	617.0	-4.9973	0.49930
Sr 216.596	0.1753	ppb	0.1280	73.1	3.4907	0.17528
Ti 334.941	0.1547	ppb	0.0248	16.0	-25.8035	0.15472
Tl 190.794	1.5841	ppb	2.1536	135.9	-6.2573	1.58410
V 292.401	0.4873	ppb	0.1831	37.6	17.8171	0.48727
Zn 206.200	-0.1456	ppb	0.2197	150.9	1.4778	-0.14562

680-104929-a-1-c msd (Samp) **9/11/2014, 1:40:52 AM** **Rack 4, Tube 3**

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

Label	Replicates Concentration		
Ag 328.068	51.3953	52.4656	51.8679
Al 308.215	50668.4	50712.1	50785.6
As 188.980	110.179	107.713	108.360
B 249.678	176.436	176.462	176.488
Ba 389.178	365.534	364.075	364.602
Be 313.042	51.9092	51.9228	52.0388
Ca 370.602	8127	8141	8155
Cd 226.502	50.7015	50.4946	50.7322
Co 228.615	59.6686	58.3798	59.2407
Cr 267.716	157.922	157.661	158.609
Cu 324.754	135.290	136.022	136.733
Fe 271.441	51152.2	51230.4	51372.6
K 766.491	8253.81	8252.97	8256.19
Mg 279.078	7696.15	7681.47	7707.60
Mn 257.610	1158.94	1158.80	1162.17
Mo 202.032	95.6878	96.5675	97.3598
Na 330.237	5070.83	5241.23	5038.30
Ni 231.604	124.928	125.190	125.839
Pb 220.353	375.019	372.322	375.908
Sb 206.834	22.3229	19.9850	30.4996
Se 196.026	85.2666	84.6027	86.8401
Sn 189.925	215.901	208.047	207.608
Sr 216.596	123.289	123.124	124.241

Label	Replicates Concentration		
Ti 334.941	507.618	507.655	508.467
Tl 190.794	35.6572	47.2152	46.4228
V 292.401	209.280	208.657	208.911
Zn 206.200	222.491	224.101	224.398

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	51.9096	ppb	0.5364	1.0	2478.79
Al 308.215	50722.0	ppb	59.2483	0.1	287749
As 188.980	108.751	ppb	1.2784	1.2	46.4875
B 249.678	176.462	ppb	0.0260	0.0	2414.02
Ba 389.178	364.737	ppb	0.7389	0.2	7756.17
Be 313.042	51.9569	ppb	0.0713	0.1	119109
Ca 370.602	8141	ppb	13.73	0.2	29479
Cd 226.502	50.6427	ppb	0.1292	0.3	1633.39
Co 228.615	59.0963	ppb	0.6564	1.1	451.567
Cr 267.716	158.064	ppb	0.4896	0.3	4072.88
Cu 324.754	136.015	ppb	0.7214	0.5	6788.62
Fe 271.441	51251.7	ppb	111.772	0.2	45441.1
K 766.491	8254.32	ppb	1.6691	0.0	1057090
Mg 279.078	7695.07	ppb	13.0971	0.2	16172.7
Mn 257.610	1159.97	ppb	1.9080	0.2	160375
Mo 202.032	96.5384	ppb	0.8364	0.9	535.727
Na 330.237	5116.79	ppb	108.993	2.1	328.364
Ni 231.604	125.319	ppb	0.4687	0.4	348.530
Pb 220.353	374.416	ppb	1.8678	0.5	367.441
Sb 206.834	24.2692	ppb	5.5209	22.7	24.8162
Se 196.026	85.5698	ppb	1.1491	1.3	38.5420
Sn 189.925	210.519	ppb	4.6665	2.2	108.423
Sr 216.596	123.551	ppb	0.6028	0.5	928.893
Ti 334.941	507.913	ppb	0.4800	0.1	178334
Tl 190.794	43.0984	ppb	6.4564	15.0	12.1640
V 292.401	208.949	ppb	0.3133	0.1	6728.30
Zn 206.200	223.663	ppb	1.0261	0.5	454.039

680-104929-a-2-a (Samp) **9/11/2014, 1:45:23 AM** **Rack 4, Tube 4**

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

Label	Replicates Concentration		
Ag 328.068	-0.2360u	-0.7134u	-0.9554u
Al 308.215	63930.3	63879.2	63884.6
As 188.980	25.9546	12.6759	19.4564
B 249.678	15.9681	16.1382	15.9593
Ba 389.178	301.825	301.223	300.932
Be 313.042	1.5718	1.5572	1.5614
Ca 370.602	8730	8717	8698
Cd 226.502	0.8240	0.9209	0.8049
Co 228.615	14.1407	14.2699	14.0049
Cr 267.716	88.8329	88.6197	88.8400
Cu 324.754	47.2384	47.3540	47.5039
Fe 271.441	73280.7	73275.0	73270.1
K 766.491	5026.46	5019.62	5021.29
Mg 279.078	6812.31	6812.71	6791.66

Label	Replicates Concentration		
Mn 257.610	955.089	955.567	954.085
Mo 202.032	4.6283	5.1528	6.1238
Na 330.237	315.459u	217.732u	354.049u
Ni 231.604	35.3835	32.7395	34.0045
Pb 220.353	467.867	459.286	464.971
Sb 206.834	5.3386	6.5949	-2.3083u
Se 196.026	-1.3705	-1.9708	4.7412
Sn 189.925	12.3901	7.9601	23.4493
Sr 216.596	47.6410	46.9277	47.3842
Ti 334.941	742.249	742.431	741.756
Tl 190.794	2.9302u	1.4450u	3.6998u
V 292.401	155.869	156.560	155.927
Zn 206.200	169.859	169.070	170.409

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.6349	ppb	0.3661	57.7	-44.0778
Al 308.215	63898.0	ppb	28.1023	0.0	362395
As 188.980	19.3623	ppb	6.6398	34.3	3.5132
B 249.678	16.0219	ppb	0.1008	0.6	206.365
Ba 389.178	301.327	ppb	0.4551	0.2	6462.29
Be 313.042	1.5634	ppb	0.0075	0.5	660.565
Ca 370.602	8715	ppb	15.99	0.2	31338
Cd 226.502	0.8499	ppb	0.0622	7.3	236.046
Co 228.615	14.1385	ppb	0.1325	0.9	113.156
Cr 267.716	88.7642	ppb	0.1252	0.1	2289.10
Cu 324.754	47.3654	ppb	0.1331	0.3	2492.73
Fe 271.441	73275.3	ppb	5.3259	0.0	64953.6
K 766.491	5022.46	ppb	3.5661	0.1	643880
Mg 279.078	6805.56	ppb	12.0377	0.2	14248.8
Mn 257.610	954.914	ppb	0.7566	0.1	132104
Mo 202.032	5.3016	ppb	0.7588	14.3	28.9761
Na 330.237	295.746	ppb	70.2639	23.8	27.7777
Ni 231.604	34.0425	ppb	1.3224	3.9	99.1465
Pb 220.353	464.041	ppb	4.3654	0.9	455.345
Sb 206.834	3.2084	ppb	4.8187	150.2	8.1266
Se 196.026	0.4667	ppb	3.7140	795.9	9.5096
Sn 189.925	14.5998	ppb	7.9775	54.6	2.6174
Sr 216.596	47.3176	ppb	0.3613	0.8	396.390
Ti 334.941	742.145	ppb	0.3494	0.0	260602
Tl 190.794	2.6917	ppb	1.1462	42.6	-8.9889
V 292.401	156.119	ppb	0.3832	0.2	5065.45
Zn 206.200	169.779	ppb	0.6734	0.4	345.930

680-104929-a-3-a (Samp) **9/11/2014, 1:49:53 AM** **Rack 4, Tube 5**

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

Label	Replicates Concentration		
Ag 328.068	-0.7301u	-0.8072u	-0.6593u
Al 308.215	62772.4	62729.5	62611.6
As 188.980	24.7045	23.3202	9.9793
B 249.678	11.9382	10.9691	11.2359
Ba 389.178	224.080	223.546	223.420

Label	Replicates Concentration		
Be 313.042	1.1562	1.1563	1.1393
Ca 370.602	12847	12843	12819
Cd 226.502	0.3206	0.3908	0.1197
Co 228.615	8.3711	8.6810	7.0930
Cr 267.716	87.4132	87.7698	86.6733
Cu 324.754	34.0037	33.9638	33.9024
Fe 271.441	84439.1	84405.4	84275.6
K 766.491	4913.42	4914.52	4905.05
Mg 279.078	4876.53	4878.21	4887.30
Mn 257.610	355.478	355.587	354.628
Mo 202.032	4.9064	4.5244	6.1369
Na 330.237	499.225u	309.754u	274.379u
Ni 231.604	27.3702	28.1498	27.6345
Pb 220.353	2598.93	2604.69	2604.61
Sb 206.834	5.9931	5.1764	7.6772
Se 196.026	-7.4509u	9.2525	3.0494
Sn 189.925	12.4474	10.2740	9.2946
Sr 216.596	40.9056	40.4298	40.2083
Ti 334.941	438.803	437.925	437.613
Tl 190.794	1.9771u	0.7904u	9.9533
V 292.401	174.675	173.789	174.127
Zn 206.200	138.209	137.152	138.483

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.7322	ppb	0.0739	10.1	-51.4916
Al 308.215	62704.5	ppb	83.2776	0.1	355634
As 188.980	19.3347	ppb	8.1315	42.1	3.4195
B 249.678	11.3811	ppb	0.5006	4.4	135.348
Ba 389.178	223.682	ppb	0.3504	0.2	4846.81
Be 313.042	1.1506	ppb	0.0098	0.9	-303.201
Ca 370.602	12836	ppb	15.08	0.1	46352
Cd 226.502	0.2771	ppb	0.1407	50.8	248.441
Co 228.615	8.0483	ppb	0.8417	10.5	62.4000
Cr 267.716	87.2854	ppb	0.5593	0.6	2250.86
Cu 324.754	33.9567	ppb	0.0510	0.2	1845.67
Fe 271.441	84373.3	ppb	86.3445	0.1	74787.6
K 766.491	4910.99	ppb	5.1744	0.1	629629
Mg 279.078	4880.68	ppb	5.7926	0.1	10160.6
Mn 257.610	355.231	ppb	0.5251	0.1	49311.0
Mo 202.032	5.1892	ppb	0.8427	16.2	27.4165
Na 330.237	361.119	ppb	120.904	33.5	31.6061
Ni 231.604	27.7181	ppb	0.3965	1.4	82.2102
Pb 220.353	2602.74	ppb	3.3034	0.1	2572.24
Sb 206.834	6.2823	ppb	1.2752	20.3	10.7199
Se 196.026	1.6170	ppb	8.4434	522.2	9.9934
Sn 189.925	10.6720	ppb	1.6136	15.1	0.4962
Sr 216.596	40.5146	ppb	0.3563	0.9	355.910
Ti 334.941	438.114	ppb	0.6173	0.1	153819
Tl 190.794	4.2402	ppb	4.9831	117.5	-8.8002
V 292.401	174.197	ppb	0.4474	0.3	5648.83
Zn 206.200	137.948	ppb	0.7026	0.5	281.926

680-104863-b-1-a (Samp) **9/11/2014, 1:54:24 AM** **Rack 4, Tube 6**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Replicates Concentration		
Ag 328.068	0.1127	-0.7879u	-0.4571u
Al 308.215	5199.73	5202.04	5182.23
As 188.980	-0.1352u	2.9511	-5.6175u
B 249.678	805.811	808.709	808.965
Ba 389.178	27.7417	27.6874	26.9981
Be 313.042	0.2093	0.2227	0.2225
Ca 370.602	8780	8739	8758
Cd 226.502	-0.0011	0.1858	0.1642
Co 228.615	4.6816	4.2319	4.4608
Cr 267.716	26.0873	25.9393	25.7620
Cu 324.754	18.7260	18.7738	18.6958
Fe 271.441	4035.34	4022.75	4012.75
K 766.491	783.268	783.077	781.005
Mg 279.078	8129.32	8099.36	8079.54
Mn 257.610	51.2970	51.1642	51.1016
Mo 202.032	22.9897	21.7326	22.1874
Na 330.237	4391.80	4419.94	4437.10
Ni 231.604	8.0436	9.1785	8.1707
Pb 220.353	2.7486	7.5234	10.7327
Sb 206.834	12.1013	19.7976	17.7895
Se 196.026	2.0913	-8.2466u	-4.8067u
Sn 189.925	30.9722	29.8113	31.1506
Sr 216.596	15.5623	15.0034	15.6458
Ti 334.941	105.305	105.269	104.997
Tl 190.794	8.2586	-0.2234u	4.4589
V 292.401	11.6738	11.7088	11.5902
Zn 206.200	8080.37	8081.95	8050.79

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.3774	ppb	0.4556	120.7	-28.0218
Al 308.215	5194.67	ppb	10.8324	0.2	29775.6
As 188.980	-0.9339	ppb	4.3397	464.7	-5.6964
B 249.678	807.828	ppb	1.7518	0.2	11073.1
Ba 389.178	27.4758	ppb	0.4145	1.5	584.722
Be 313.042	0.2181	ppb	0.0077	3.5	-2555.03
Ca 370.602	8759	ppb	20.68	0.2	32345
Cd 226.502	0.1163	ppb	0.1022	87.9	32.5329
Co 228.615	4.4581	ppb	0.2249	5.0	25.7701
Cr 267.716	25.9296	ppb	0.1629	0.6	672.261
Cu 324.754	18.7319	ppb	0.0393	0.2	1121.72
Fe 271.441	4023.61	ppb	11.3180	0.3	3586.42
K 766.491	782.450	ppb	1.2550	0.2	101774
Mg 279.078	8102.74	ppb	25.0621	0.3	17129.9
Mn 257.610	51.1876	ppb	0.0998	0.2	7166.59
Mo 202.032	22.3033	ppb	0.6365	2.9	128.940
Na 330.237	4416.28	ppb	22.8712	0.5	291.641
Ni 231.604	8.4643	ppb	0.6218	7.3	26.5292
Pb 220.353	7.0016	ppb	4.0175	57.4	6.3006
Sb 206.834	16.5628	ppb	3.9921	24.1	18.7048
Se 196.026	-3.6540	ppb	5.2645	144.1	7.0267

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Sn 189.925	30.6447	ppb	0.7272	2.4	11.2839
Sr 216.596	15.4039	ppb	0.3493	2.3	117.910
Ti 334.941	105.190	ppb	0.1683	0.2	36881.8
Tl 190.794	4.1647	ppb	4.2487	102.0	-5.1640
V 292.401	11.6576	ppb	0.0610	0.5	373.805
Zn 206.200	8071.04	ppb	17.5540	0.2	16294.7

680-104863-b-2-a (Samp) **9/11/2014, 1:58:55 AM** **Rack 4, Tube 7**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Replicates Concentration		
Ag 328.068	-0.3130u	-0.0572u	-0.1188u
Al 308.215	1260.57	1266.74	1263.32
As 188.980	1.8365	2.9656	1.6951
B 249.678	182.364	182.469	182.642
Ba 389.178	104.613	106.297	105.212
Be 313.042	-0.0463u	-0.0487u	-0.0459u
Ca 370.602	3137	3146	3155
Cd 226.502	0.3894	0.3110	0.5603
Co 228.615	1.8813	1.6579	2.2650
Cr 267.716	21.0020	21.3470	21.3768
Cu 324.754	43.8179	43.1767	44.1837
Fe 271.441	4928.79	4954.44	4970.27
K 766.491	373.301	375.311	375.534
Mg 279.078	833.890	839.064	835.118
Mn 257.610	57.3701	57.5852	57.4731
Mo 202.032	32.0527	32.7282	32.5786
Na 330.237	799.485	944.428	883.605
Ni 231.604	9.2634	10.0224	10.9034
Pb 220.353	9.7728	13.1232	9.4044
Sb 206.834	5.5271	5.8202	4.0528
Se 196.026	2.0721	-0.2546	-1.2556u
Sn 189.925	13.8711	17.3108	9.1638
Sr 216.596	7.6300	7.1969	7.5825
Ti 334.941	119.785	120.359	120.413
Tl 190.794	1.1385	1.9403	2.9203
V 292.401	6.4166	6.6345	6.7991
Zn 206.200	4340.38	4355.12	4356.08

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.1630	ppb	0.1335	81.9	-17.7715
Al 308.215	1263.54	ppb	3.0914	0.2	7502.20
As 188.980	2.1658	ppb	0.6963	32.2	-4.2169
B 249.678	182.492	ppb	0.1401	0.1	2528.04
Ba 389.178	105.374	ppb	0.8537	0.8	2204.66
Be 313.042	-0.0470	ppb	0.0015	3.2	-3183.28
Ca 370.602	3146	ppb	9.318	0.3	11584
Cd 226.502	0.4202	ppb	0.1275	30.3	43.7651
Co 228.615	1.9347	ppb	0.3071	15.9	6.4918
Cr 267.716	21.2419	ppb	0.2083	1.0	551.587
Cu 324.754	43.7261	ppb	0.5097	1.2	2336.61
Fe 271.441	4951.17	ppb	20.9322	0.4	4408.10

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
K 766.491	374.715	ppb	1.2299	0.3	49643.3
Mg 279.078	836.024	ppb	2.7033	0.3	1779.79
Mn 257.610	57.4761	ppb	0.1076	0.2	7995.71
Mo 202.032	32.4532	ppb	0.3548	1.1	185.037
Na 330.237	875.840	ppb	72.7833	8.3	91.4036
Ni 231.604	10.0631	ppb	0.8207	8.2	30.9391
Pb 220.353	10.7668	ppb	2.0490	19.0	10.1656
Sb 206.834	5.1334	ppb	0.9472	18.5	8.8427
Se 196.026	0.1873	ppb	1.7073	911.4	8.3338
Sn 189.925	13.4485	ppb	4.0899	30.4	1.9963
Sr 216.596	7.4698	ppb	0.2375	3.2	59.7252
Ti 334.941	120.185	ppb	0.3480	0.3	42133.3
Tl 190.794	1.9997	ppb	0.8924	44.6	-6.2473
V 292.401	6.6168	ppb	0.1919	2.9	209.809
Zn 206.200	4350.53	ppb	8.7974	0.2	8784.17

680-104869-b-1-a (Samp) **9/11/2014, 2:03:25 AM** **Rack 4, Tube 8**

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

Label	Replicates Concentration		
Ag 328.068	-0.4314u	-0.3864u	-0.6019u
Al 308.215	19093.7	19099.2	19104.1
As 188.980	3.3284	4.2695	-0.5469u
B 249.678	128.666	130.307	129.601
Ba 389.178	228.580	229.822	229.442
Be 313.042	1.9192	1.9125	1.8935
Ca 370.602	61314	61279	61358
Cd 226.502	0.3319	0.4590	0.4717
Co 228.615	12.6903	11.0294	12.6067
Cr 267.716	89.6395	89.4294	89.6180
Cu 324.754	103.864	103.760	103.338
Fe 271.441	30579.6	30514.0	30549.7
K 766.491	5803.02	5814.25	5806.85
Mg 279.078	22406.1	22419.9	22406.5
Mn 257.610	845.477	845.377	845.404
Mo 202.032	109.280	108.109	108.324
Na 330.237	2610.90	2707.25	2572.74
Ni 231.604	35.9223	37.5977	36.4507
Pb 220.353	32.7313	34.2363	35.4358
Sb 206.834	1.2897u	5.1623	1.4744u
Se 196.026	1.5812	-11.2063u	-2.5955u
Sn 189.925	26.8462	20.8950	23.3729
Sr 216.596	584.424	585.743	585.536
Ti 334.941	267.580	267.525	267.643
Tl 190.794	-8.1243u	6.7463	3.0410
V 292.401	53.4579	53.9261	53.6746
Zn 206.200	2312.38	2305.39	2309.19

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.4732	ppb	0.1137	24.0	-32.6974
Al 308.215	19099.0	ppb	5.2337	0.0	108565
As 188.980	2.3503	ppb	2.5528	108.6	-4.2964

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
B 249.678	129.525	ppb	0.8230	0.6	1786.70
Ba 389.178	229.282	ppb	0.6365	0.3	4909.07
Be 313.042	1.9084	ppb	0.0133	0.7	1440.20
Ca 370.602	61317	ppb	39.56	0.1	226307
Cd 226.502	0.4209	ppb	0.0773	18.4	111.126
Co 228.615	12.1088	ppb	0.9357	7.7	86.4575
Cr 267.716	89.5623	ppb	0.1156	0.1	2310.34
Cu 324.754	103.654	ppb	0.2786	0.3	5178.54
Fe 271.441	30547.8	ppb	32.8220	0.1	27090.7
K 766.491	5808.04	ppb	5.7067	0.1	744321
Mg 279.078	22410.8	ppb	7.8486	0.0	47296.6
Mn 257.610	845.419	ppb	0.0516	0.0	116978
Mo 202.032	108.571	ppb	0.6234	0.6	604.122
Na 330.237	2630.29	ppb	69.3255	2.6	187.685
Ni 231.604	36.6569	ppb	0.8565	2.3	104.756
Pb 220.353	34.1345	ppb	1.3551	4.0	32.2050
Sb 206.834	2.6421	ppb	2.1845	82.7	5.8898
Se 196.026	-4.0736	ppb	6.5206	160.1	7.6214
Sn 189.925	23.7047	ppb	2.9895	12.6	7.5352
Sr 216.596	585.234	ppb	0.7091	0.1	4271.29
Ti 334.941	267.582	ppb	0.0589	0.0	93951.8
Tl 190.794	0.5544	ppb	7.7409	1396.4	-8.0427
V 292.401	53.6862	ppb	0.2343	0.4	1716.19
Zn 206.200	2308.98	ppb	3.5005	0.2	4663.34

CRI (Samp) **9/11/2014, 2:07:56 AM** **Rack 4, Tube 9**

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

Label	Replicates Concentration		
Ag 328.068	10.4419	9.7221	10.6197
Al 308.215	208.179	208.133	207.042
As 188.980	20.2176	23.5636	19.8972
B 249.678	102.185	102.554	101.538
Ba 389.178	9.4468	9.7220	9.1953
Be 313.042	4.0102	4.0029	3.9981
Ca 370.602	506.2	507.0	504.3
Cd 226.502	4.7751	4.9999	5.1402
Co 228.615	10.4569	9.5676	10.1306
Cr 267.716	9.8556	10.0821	9.7752
Cu 324.754	20.9669	21.0880	20.6775
Fe 271.441	52.7561	48.3692	54.6669
K 766.491	1035.55	1038.50	1031.53
Mg 279.078	506.594	509.907	504.555
Mn 257.610	10.4403	10.3994	10.3663
Mo 202.032	9.9642	10.3411	8.8964
Na 330.237	850.596	1079.12	1019.64
Ni 231.604	41.5082	42.0816	40.8099
Pb 220.353	9.2208	9.2399	16.1595
Sb 206.834	20.6319	18.6991	20.2895
Se 196.026	11.5923	14.9818	13.3408
Sn 189.925	50.0350	53.8855	50.2744
Sr 216.596	10.0613	9.2930	9.3950

Label	Replicates Concentration		
Ti 334.941	10.1485	10.1811	10.1156
Tl 190.794	28.9677	20.9169	35.4504
V 292.401	10.5856	10.0374	10.2020
Zn 206.200	21.9510	21.0672	21.0758

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	10.2612	ppb	0.4753	4.6	482.536
Al 308.215	207.785	ppb	0.6439	0.3	1519.05
As 188.980	21.2261	ppb	2.0306	9.6	4.9380
B 249.678	102.092	ppb	0.5145	0.5	1433.10
Ba 389.178	9.4547	ppb	0.2634	2.8	179.771
Be 313.042	4.0038	ppb	0.0061	0.2	6340.79
Ca 370.602	505.8	ppb	1.364	0.3	1868
Cd 226.502	4.9718	ppb	0.1842	3.7	163.992
Co 228.615	10.0517	ppb	0.4498	4.5	67.2880
Cr 267.716	9.9043	ppb	0.1592	1.6	259.666
Cu 324.754	20.9108	ppb	0.2110	1.0	1236.74
Fe 271.441	51.9308	ppb	3.2289	6.2	67.4012
K 766.491	1035.19	ppb	3.4999	0.3	134089
Mg 279.078	507.019	ppb	2.7013	0.5	1094.84
Mn 257.610	10.4020	ppb	0.0371	0.4	1482.75
Mo 202.032	9.7339	ppb	0.7494	7.7	59.7118
Na 330.237	983.118	ppb	118.559	12.1	114.643
Ni 231.604	41.4666	ppb	0.6369	1.5	116.835
Pb 220.353	11.5401	ppb	4.0006	34.7	11.0710
Sb 206.834	19.8735	ppb	1.0314	5.2	21.6127
Se 196.026	13.3049	ppb	1.6950	12.7	12.7648
Sn 189.925	51.3983	ppb	2.1573	4.2	22.4904
Sr 216.596	9.5831	ppb	0.4173	4.4	70.3340
Ti 334.941	10.1484	ppb	0.0328	0.3	3485.16
Tl 190.794	28.4450	ppb	7.2808	25.6	7.0985
V 292.401	10.2750	ppb	0.2813	2.7	330.454
Zn 206.200	21.3647	ppb	0.5078	2.4	44.8781

mb 680-347754/1-a (Samp) **9/11/2014, 2:12:27 AM** **Rack 4, Tube 10**

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

Label	Replicates Concentration		
Ag 328.068	0.1601	-0.3318u	-0.3666u
Al 308.215	9.5817	9.8057	8.5800
As 188.980	5.0265	1.6797	-0.8996u
B 249.678	2.8017	2.3266	2.3051
Ba 389.178	-0.1470u	-0.9337u	-0.6147u
Be 313.042	-0.0861u	-0.0951u	-0.0807u
Ca 370.602	23.97	20.44	22.08
Cd 226.502	-0.2662u	-0.1264u	0.0411
Co 228.615	0.4969	0.1895	-0.0656u
Cr 267.716	0.4588	0.3676	0.5948
Cu 324.754	0.0029	0.1026	0.4557
Fe 271.441	11.9060	9.6508	13.4467
K 766.491	8.5411	8.7940	8.1777
Mg 279.078	7.0769	2.5201	3.0902

Label	Replicates Concentration		
Mn 257.610	0.2155	0.2123	0.1886
Mo 202.032	-0.3032u	0.1327	-0.2889u
Na 330.237	18.9357	-28.4756u	-62.2619u
Ni 231.604	1.7044	0.5857	-0.0081u
Pb 220.353	2.9448	-1.1426u	0.0561
Sb 206.834	7.1187	4.7416	0.4648
Se 196.026	-3.8820u	-0.2552u	0.5143
Sn 189.925	13.5787	11.1173	9.0502
Sr 216.596	-0.7748u	-0.2079u	0.1099
Ti 334.941	0.3123	0.3136	0.3078
Tl 190.794	11.2895	0.3190	2.8537
V 292.401	0.1367	0.0801	0.1830
Zn 206.200	2.1817	2.0616	1.2307

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.1794	ppb	0.2945	164.1	-18.1806
Al 308.215	9.3224	ppb	0.6527	7.0	393.424
As 188.980	1.9355	ppb	2.9713	153.5	-4.2989
B 249.678	2.4778	ppb	0.2807	11.3	71.8367
Ba 389.178	-0.5651	ppb	0.3957	70.0	-32.1110
Be 313.042	-0.0873	ppb	0.0073	8.4	-3276.76
Ca 370.602	22.17	ppb	1.766	8.0	78.85
Cd 226.502	-0.1172	ppb	0.1539	131.3	15.1151
Co 228.615	0.2069	ppb	0.2816	136.1	-8.1604
Cr 267.716	0.4737	ppb	0.1144	24.1	16.9367
Cu 324.754	0.1871	ppb	0.2379	127.2	234.513
Fe 271.441	11.6678	ppb	1.9091	16.4	31.0334
K 766.491	8.5043	ppb	0.3098	3.6	2821.47
Mg 279.078	4.2290	ppb	2.4827	58.7	32.9757
Mn 257.610	0.2055	ppb	0.0147	7.2	71.8069
Mo 202.032	-0.1531	ppb	0.2476	161.7	5.0037
Na 330.237	-23.9340	ppb	40.7889	170.4	54.9780
Ni 231.604	0.7607	ppb	0.8696	114.3	5.2595
Pb 220.353	0.6194	ppb	2.1011	339.2	0.2795
Sb 206.834	4.1083	ppb	3.3718	82.1	8.3952
Se 196.026	-1.2076	ppb	2.3478	194.4	7.7627
Sn 189.925	11.2487	ppb	2.2671	20.2	0.8078
Sr 216.596	-0.2909	ppb	0.4481	154.0	0.1109
Ti 334.941	0.3112	ppb	0.0031	1.0	29.1714
Tl 190.794	4.8207	ppb	5.7437	119.1	-4.6494
V 292.401	0.1333	ppb	0.0515	38.6	6.5975
Zn 206.200	1.8247	ppb	0.5179	28.4	5.4550

lcs 680-347754/2-a (Samp) **9/11/2014, 2:16:57 AM** **Rack 4, Tube 11**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Replicates Concentration		
Ag 328.068	50.9546	51.2557	50.6953
Al 308.215	4849.99	4842.75	4835.56
As 188.980	97.8977	107.727	95.7382
B 249.678	189.494	190.362	190.490
Ba 389.178	98.1612	96.8856	97.1847

Label	Replicates Concentration		
Be 313.042	49.6389	49.6244	49.6259
Ca 370.602	4857	4840	4835
Cd 226.502	49.2603	49.4657	49.2403
Co 228.615	49.7462	49.1038	49.9502
Cr 267.716	100.432	99.9322	100.349
Cu 324.754	99.8513	99.1658	99.7473
Fe 271.441	4909.43	4901.33	4891.21
K 766.491	4975.44	4952.15	4943.13
Mg 279.078	4827.38	4816.44	4820.80
Mn 257.610	515.579	515.137	514.655
Mo 202.032	96.9882	97.9282	97.4553
Na 330.237	4960.41	4825.86	4625.33
Ni 231.604	100.805	99.7656	98.0605
Pb 220.353	47.8725	50.6583	48.6823
Sb 206.834	57.4446	48.8823	53.4060
Se 196.026	94.4617	102.200	92.6122
Sn 189.925	214.586	209.655	204.298
Sr 216.596	97.7948	96.5846	97.2891
Ti 334.941	98.9691	98.8012	98.7269
Tl 190.794	38.3415	39.7486	32.4345
V 292.401	99.0955	99.2205	99.2535
Zn 206.200	100.378	99.2514	99.5581

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	50.9685	ppb	0.2805	0.6	2435.96
Al 308.215	4842.77	ppb	7.2114	0.1	27790.9
As 188.980	100.454	ppb	6.3902	6.4	42.8519
B 249.678	190.116	ppb	0.5418	0.3	2632.87
Ba 389.178	97.4105	ppb	0.6671	0.7	2047.61
Be 313.042	49.6297	ppb	0.0080	0.0	113599
Ca 370.602	4844	ppb	11.69	0.2	17858
Cd 226.502	49.3221	ppb	0.1248	0.3	1473.11
Co 228.615	49.6000	ppb	0.4417	0.9	370.414
Cr 267.716	100.238	ppb	0.2679	0.3	2584.76
Cu 324.754	99.5882	ppb	0.3694	0.4	5038.52
Fe 271.441	4900.66	ppb	9.1302	0.2	4366.92
K 766.491	4956.91	ppb	16.6702	0.3	635499
Mg 279.078	4821.54	ppb	5.5076	0.1	10197.8
Mn 257.610	515.124	ppb	0.4623	0.1	71212.4
Mo 202.032	97.4573	ppb	0.4700	0.5	544.743
Na 330.237	4803.87	ppb	168.619	3.5	338.025
Ni 231.604	99.5438	ppb	1.3857	1.4	276.198
Pb 220.353	49.0710	ppb	1.4330	2.9	47.9117
Sb 206.834	53.2443	ppb	4.2834	8.0	48.9109
Se 196.026	96.4248	ppb	5.0866	5.3	41.5463
Sn 189.925	209.513	ppb	5.1453	2.5	107.879
Sr 216.596	97.2228	ppb	0.6078	0.6	706.272
Ti 334.941	98.8324	ppb	0.1241	0.1	34642.2
Tl 190.794	36.8415	ppb	3.8809	10.5	11.1730
V 292.401	99.1898	ppb	0.0834	0.1	3170.99
Zn 206.200	99.7290	ppb	0.5823	0.6	202.959

680-104968-b-4-a (Samp) **9/11/2014, 2:21:28 AM** **Rack 4, Tube 12**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Replicates Concentration		
Ag 328.068	-3.1996u	-3.8437u	-4.1533u
Al 308.215	128097	127968	127775
As 188.980	171.922	177.887	179.126
B 249.678	20.2393u	18.6987u	19.2058u
Ba 389.178	1667.29	1663.59	1664.84
Be 313.042	15.4390	15.4254	15.4263
Ca 370.602	19917	19883	19871
Cd 226.502	1.7022	1.2670	1.2881
Co 228.615	237.267	237.178	238.631
Cr 267.716	787.729	785.671	786.146
Cu 324.754	129.854	129.947	130.265
Fe 271.441	575821	574859	574477
K 766.491	5729.68	5726.72	5719.78
Mg 279.078	4514.45	4525.46	4522.00
Mn 257.610	30242.6x	30302.1x	30281.8x
Mo 202.032	20.3724	20.5194	18.4692
Na 330.237	906.759u	871.843u	804.038u
Ni 231.604	102.965	107.671	105.056
Pb 220.353	570.758	572.633	576.895
Sb 206.834	0.3605	7.6632	5.4025
Se 196.026	5.9387	-21.8801	-17.2031
Sn 189.925	41.3896	36.4527	37.3542
Sr 216.596	142.789	145.483	144.675
Ti 334.941	651.535	650.771	650.328
Tl 190.794	3.6394u	-5.2864u	7.7021u
V 292.401	819.644	818.106	817.976
Zn 206.200	665.014	672.695	666.548

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-3.7322b	ppb	0.4866	13.0	-140.955
Al 308.215	127947b	ppb	162.009	0.1	725330
As 188.980	176.312b	ppb	3.8513	2.2	75.0265
B 249.678	19.3812b	ppb	0.7851	4.1	-92.2971
Ba 389.178	1665.24b	ppb	1.8789	0.1	36031.1
Be 313.042	15.4302b	ppb	0.0076	0.0	33456.0
Ca 370.602	19890b	ppb	24.10	0.1	65544
Cd 226.502	1.4191b	ppb	0.2454	17.3	1565.69
Co 228.615	237.692b	ppb	0.8142	0.3	1849.04
Cr 267.716	786.515b	ppb	1.0775	0.1	20248.6
Cu 324.754	130.022b	ppb	0.2156	0.2	6476.68
Fe 271.441	575053b	ppb	692.588	0.1	509608
K 766.491	5725.39b	ppb	5.0794	0.1	733754
Mg 279.078	4520.64b	ppb	5.6321	0.1	8403.64
Mn 257.610	30275.5xb	ppb	30.2716	0.1	4181927
Mo 202.032	19.7870b	ppb	1.1436	5.8	66.9476
Na 330.237	860.880b	ppb	52.2309	6.1	-168.115
Ni 231.604	105.231b	ppb	2.3583	2.2	312.280
Pb 220.353	573.429b	ppb	3.1453	0.5	555.786
Sb 206.834	4.4754b	ppb	3.7386	83.5	13.5423
Se 196.026	-11.0482b	ppb	14.8958	134.8	16.4430

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Sn 189.925	38.3988b	ppb	2.6290	6.8	15.4691
Sr 216.596	144.316b	ppb	1.3822	1.0	1445.08
Ti 334.941	650.878b	ppb	0.6106	0.1	228619
Tl 190.794	2.0184b	ppb	6.6443	329.2	-25.7311
V 292.401	818.575b	ppb	0.9281	0.1	26569.5
Zn 206.200	668.085b	ppb	4.0650	0.6	1361.36

Cont Calib Verif (CCV) **9/11/2014, 2:25:59 AM** **Rack 4, Tube 13**

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

Label	Replicates Concentration		
Ag 328.068	497.633	499.197	500.727
Al 308.215	4874.97	4871.96	4884.71
As 188.980	484.402	476.952	480.873
B 249.678	499.682	500.392	500.740
Ba 389.178	4914.57	4913.01	4927.77
Be 313.042	492.575	492.861	493.596
Ca 370.602	4930	4924	4939
Cd 226.502	489.080	488.224	490.505
Co 228.615	493.426	490.930	493.630
Cr 267.716	4924.41	4914.51	4930.93
Cu 324.754	4903.96	4862.24	4986.44
Fe 271.441	4938.61	4892.03	4936.48
K 766.491	9979.17	9989.36	9986.27
Mg 279.078	4905.35	4921.88	4928.47
Mn 257.610	5013.76	5012.08	5022.27
Mo 202.032	492.847	491.560	492.978
Na 330.237	7246.82	6828.72	7216.94
Ni 231.604	2481.39	2486.56	2476.98
Pb 220.353	488.172	489.444	488.770
Sb 206.834	931.955	936.664	934.692
Se 196.026	4909.06	4907.88	4905.66
Sn 189.925	4892.83	4885.99	4885.06
Sr 216.596	2461.56	2459.18	2462.25
Ti 334.941	484.435	484.075	485.205
Tl 190.794	5032.87	5054.82	5036.79
V 292.401	4903.73	4901.49	4909.09
Zn 206.200	2472.81	2465.74	2471.03

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Ag 328.068	499.186	ppb	1.5473	0.3	23957.5	99.83713
Al 308.215	4877.21	ppb	6.6619	0.1	28256.9	97.54423
As 188.980	480.743	ppb	3.7267	0.8	224.997	96.14855
B 249.678	500.271	ppb	0.5394	0.1	6882.59	100.05430
Ba 389.178	4918.45	ppb	8.1078	0.2	103335	98.36903
Be 313.042	493.011	ppb	0.5269	0.1	1157162	98.60213
Ca 370.602	4931	ppb	7.667	0.2	18263	98.62060
Cd 226.502	489.270	ppb	1.1519	0.2	14333.1	97.85399
Co 228.615	492.662	ppb	1.5035	0.3	3765.98	98.53245
Cr 267.716	4923.28	ppb	8.2675	0.2	126722	98.46565
Cu 324.754	4917.55	ppb	63.2031	1.3	238113	98.35096
Fe 271.441	4922.38	ppb	26.3009	0.5	4432.75	98.44752

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
K 766.491	9984.93	ppb	5.2263	0.1	1278356	99.84930
Mg 279.078	4918.57	ppb	11.9099	0.2	10402.6	98.37135
Mn 257.610	5016.04	ppb	5.4612	0.1	692721	100.32072
Mo 202.032	492.462	ppb	0.7834	0.2	2728.62	98.49236
Na 330.237	7097.50	ppb	233.245	3.3	461.166	94.63328
Ni 231.604	2481.64	ppb	4.7954	0.2	6805.44	99.26567
Pb 220.353	488.795	ppb	0.6363	0.1	484.991	97.75909
Sb 206.834	934.437	ppb	2.3648	0.3	817.873	93.44370
Se 196.026	4907.53	ppb	1.7246	0.0	1698.95	98.15063
Sn 189.925	4887.96	ppb	4.2394	0.1	2634.43	97.75920
Sr 216.596	2461.00	ppb	1.6077	0.1	17739.8	98.43992
Ti 334.941	484.571	ppb	0.5774	0.1	170120	96.91429
Tl 190.794	5041.50	ppb	11.7074	0.2	2501.82	100.82991
V 292.401	4904.77	ppb	3.9030	0.1	157582	98.09545
Zn 206.200	2469.86	ppb	3.6759	0.1	4975.72	98.79453

Cont Calib Blank (CCB) **9/11/2014, 2:30:29 AM** **Rack 4, Tube 14**

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

Label	Replicates	Concentration	
Ag 328.068	0.4902	-0.2604u	0.1693
Al 308.215	5.9114	7.5583	3.7273
As 188.980	-0.8826u	-0.5089u	1.3171
B 249.678	5.6212	4.7848	4.5238
Ba 389.178	-0.2431u	-0.2853u	-0.3215u
Be 313.042	-0.0623u	-0.0656u	-0.0615u
Ca 370.602	6.503	5.950	1.489
Cd 226.502	0.0981	-0.1693u	0.1078
Co 228.615	0.1843	-0.4892u	0.3689
Cr 267.716	0.4874	0.1737	0.3592
Cu 324.754	0.5741	0.1971	0.2051
Fe 271.441	12.3408	7.0648	3.7845
K 766.491	0.6971	0.6979	0.6572
Mg 279.078	-0.0037u	3.2167	4.5370
Mn 257.610	0.5007	0.3501	0.2867
Mo 202.032	0.6415	0.5584	0.4868
Na 330.237	-82.6589u	173.373	-64.5539u
Ni 231.604	0.8378	0.9121	0.8321
Pb 220.353	-6.2393u	-2.6383u	-0.6688u
Sb 206.834	6.5587	1.2666	10.2701
Se 196.026	0.6107	-2.0295u	-0.8012u
Sn 189.925	0.5138	2.5103	5.4178
Sr 216.596	-0.1471u	-0.4475u	-0.6624u
Ti 334.941	0.1552	0.1112	0.0981
Tl 190.794	7.1204	6.0054	1.1234
V 292.401	0.4689	0.1944	0.1942
Zn 206.200	-1.4016u	-0.3895u	0.6786

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Ag 328.068	0.1330	ppb	0.3766	283.1	-3.1949	0.13302
Al 308.215	5.7323	ppb	1.9218	33.5	373.138	5.73232
As 188.980	-0.0248	ppb	1.1770	4747.9	-5.2371	-0.02479

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
B 249.678	4.9766	ppb	0.5733	11.5	106.005	4.97660
Ba 389.178	-0.2833	ppb	0.0392	13.8	-26.1932	-0.28330
Be 313.042	-0.0631	ppb	0.0022	3.4	-3219.94	-0.06312
Ca 370.602	4.648	ppb	2.749	59.1	14.06	4.64766
Cd 226.502	0.0122	ppb	0.1572	1288.8	18.8949	0.01220
Co 228.615	0.0213	ppb	0.4517	2120.1	-9.6006	0.02130
Cr 267.716	0.3401	ppb	0.1577	46.4	13.4937	0.34012
Cu 324.754	0.3254	ppb	0.2154	66.2	241.238	0.32541
Fe 271.441	7.7300	ppb	4.3168	55.8	27.5239	7.73003
K 766.491	0.6840	ppb	0.0233	3.4	1821.62	0.68403
Mg 279.078	2.5833	ppb	2.3357	90.4	29.5008	2.58333
Mn 257.610	0.3792	ppb	0.1099	29.0	95.7857	0.37920
Mo 202.032	0.5622	ppb	0.0774	13.8	8.9626	0.56223
Na 330.237	8.7200	ppb	142.881	1638.5	56.9285	8.71999
Ni 231.604	0.8607	ppb	0.0446	5.2	5.5337	0.86068
Pb 220.353	-3.1822	ppb	2.8248	88.8	-3.4836	-3.18216
Sb 206.834	6.0318	ppb	4.5248	75.0	10.0082	6.03179
Se 196.026	-0.7400	ppb	1.3212	178.5	7.9236	-0.73999
Sn 189.925	2.8140	ppb	2.4661	87.6	-3.7473	2.81396
Sr 216.596	-0.4190	ppb	0.2588	61.8	-0.8260	-0.41897
Ti 334.941	0.1215	ppb	0.0299	24.6	-37.4576	0.12151
Tl 190.794	4.7497	ppb	3.1896	67.2	-4.6850	4.74974
V 292.401	0.2858	ppb	0.1585	55.4	11.3420	0.28584
Zn 206.200	-0.3709	ppb	1.0402	280.5	1.0231	-0.37086

680-104968-b-4-aSD (Samp) **9/11/2014, 2:35:00 AM** **Rack 4, Tube 15**

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

Label	Replicates Concentration		
Ag 328.068	-1.3684u	-1.2096u	-0.8805u
Al 308.215	26129.6	26062.4	25985.2
As 188.980	36.7702	40.8087	38.9541
B 249.678	4.8162u	4.9207u	4.9878u
Ba 389.178	346.417	345.906	344.882
Be 313.042	3.1544	3.1500	3.1537
Ca 370.602	4170	4167	4167
Cd 226.502	0.1082	-0.1341	-0.1048
Co 228.615	50.1394	50.2339	50.6176
Cr 267.716	164.843	164.436	163.151
Cu 324.754	26.9011	26.5906	25.9625
Fe 271.441	120040	119904	119805
K 766.491	1099.81	1096.48	1091.70
Mg 279.078	978.199	964.918	971.238
Mn 257.610	6810.32	6792.32	6804.12
Mo 202.032	3.6166	3.9328	4.3882
Na 330.237	168.045u	40.2441u	117.815u
Ni 231.604	23.3266	23.5890	23.3327
Pb 220.353	129.167	116.754	118.593
Sb 206.834	4.0006	8.5486	0.1448
Se 196.026	-1.2496	8.9287	-2.1353
Sn 189.925	6.7057	14.1605	8.5335
Sr 216.596	28.9394	28.5295	29.4469

Label	Replicates Concentration		
Ti 334.941	135.810	135.601	135.129
Tl 190.794	-7.5765u	0.3908u	-3.3399u
V 292.401	170.752	170.872	170.240
Zn 206.200	141.677	142.544	137.687

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-1.1528	ppb	0.2488	21.6	-53.3024
Al 308.215	26059.1	ppb	72.2798	0.3	148000
As 188.980	38.8443	ppb	2.0215	5.2	12.5044
B 249.678	4.9082	ppb	0.0865	1.8	22.6413
Ba 389.178	345.735	ppb	0.7818	0.2	7465.72
Be 313.042	3.1527	ppb	0.0024	0.1	4392.52
Ca 370.602	4168	ppb	1.655	0.0	13740
Cd 226.502	-0.0436	ppb	0.1323	303.6	331.206
Co 228.615	50.3303	ppb	0.2533	0.5	383.717
Cr 267.716	164.144	ppb	0.8831	0.5	4229.58
Cu 324.754	26.4847	ppb	0.4782	1.8	1498.60
Fe 271.441	119916	ppb	117.787	0.1	106285
K 766.491	1096.00	ppb	4.0790	0.4	141863
Mg 279.078	971.452	ppb	6.6431	0.7	1832.22
Mn 257.610	6802.25	ppb	9.1434	0.1	939602
Mo 202.032	3.9792	ppb	0.3879	9.7	17.7796
Na 330.237	108.701	ppb	64.3861	59.2	5.3862
Ni 231.604	23.4161	ppb	0.1498	0.6	71.6673
Pb 220.353	121.505	ppb	6.6994	5.5	117.568
Sb 206.834	4.2313	ppb	4.2066	99.4	9.5066
Se 196.026	1.8479	ppb	6.1481	332.7	11.3994
Sn 189.925	9.7999	ppb	3.8854	39.6	0.0252
Sr 216.596	28.9719	ppb	0.4596	1.6	294.944
Ti 334.941	135.513	ppb	0.3486	0.3	47535.3
Tl 190.794	-3.5085	ppb	3.9863	113.6	-12.8132
V 292.401	170.621	ppb	0.3354	0.2	5539.90
Zn 206.200	140.636	ppb	2.5907	1.8	287.951

680-104968-b-4-aPDS (Samp) **9/11/2014, 2:39:31 AM** **Rack 4, Tube 16**

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

Label	Replicates Concentration		
Ag 328.068	41.0758	40.5146	40.8232
Al 308.215	128479	128873	128766
As 188.980	382.778	386.292	377.939
B 249.678	506.262	508.297	510.148
Ba 389.178	1851.42	1855.55	1851.39
Be 313.042	67.1368	67.2785	67.1698
Ca 370.602	21586	21534	21502
Cd 226.502	52.5174	52.0960	51.4170
Co 228.615	437.711	439.467	434.784
Cr 267.716	982.613	983.465	983.543
Cu 324.754	347.221	346.354	345.546
Fe 271.441	570454	570521	569909
K 766.491	8020.27	8042.89	8034.80
Mg 279.078	6466.85	6476.18	6476.09

Label	Replicates Concentration		
Mn 257.610	30104.5x	30152.7x	30234.6x
Mo 202.032	220.126	220.127	221.618
Na 330.237	3046.66u	2970.26u	3004.03u
Ni 231.604	305.795	299.333	304.846
Pb 220.353	763.518	769.377	771.998
Sb 206.834	199.122	205.351	206.627
Se 196.026	174.626	183.204	191.747
Sn 189.925	245.347	244.686	248.267
Sr 216.596	345.233	344.309	342.480
Ti 334.941	846.581	846.438	846.695
Tl 190.794	189.422	180.074	189.992
V 292.401	1015.46	1015.96	1016.03
Zn 206.200	869.699	868.244	864.511

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	40.8046b	ppb	0.2811	0.7	1995.16
Al 308.215	128706b	ppb	203.599	0.2	729654
As 188.980	382.336b	ppb	4.1940	1.1	173.731
B 249.678	508.236b	ppb	1.9438	0.4	6592.37
Ba 389.178	1852.78b	ppb	2.3930	0.1	39969.4
Be 313.042	67.1951b	ppb	0.0741	0.1	155159
Ca 370.602	21541b	ppb	42.39	0.2	71745
Cd 226.502	52.0101b	ppb	0.5552	1.1	3034.11
Co 228.615	437.321b	ppb	2.3657	0.5	3378.67
Cr 267.716	983.207b	ppb	0.5157	0.1	25311.1
Cu 324.754	346.374b	ppb	0.8380	0.2	16941.7
Fe 271.441	570295b	ppb	335.672	0.1	505406
K 766.491	8032.65b	ppb	11.4644	0.1	1028748
Mg 279.078	6473.04b	ppb	5.3596	0.1	12535.4
Mn 257.610	30163.9xb	ppb	65.7824	0.2	4166523
Mo 202.032	220.624b	ppb	0.8611	0.4	1178.66
Na 330.237	3006.98b	ppb	38.2842	1.3	-42.4154
Ni 231.604	303.325b	ppb	3.4891	1.2	855.106
Pb 220.353	768.298b	ppb	4.3416	0.6	748.497
Sb 206.834	203.700b	ppb	4.0154	2.0	179.788
Se 196.026	183.192b	ppb	8.5608	4.7	83.2740
Sn 189.925	246.100b	ppb	1.9054	0.8	127.637
Sr 216.596	344.007b	ppb	1.4008	0.4	2879.83
Ti 334.941	846.571b	ppb	0.1286	0.0	297353
Tl 190.794	186.496b	ppb	5.5690	3.0	66.3176
V 292.401	1015.82b	ppb	0.3077	0.0	32863.2
Zn 206.200	867.485b	ppb	2.6759	0.3	1763.31

680-104968-b-4-b ms (Samp) **9/11/2014, 2:44:01 AM** **Rack 4, Tube 17**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Replicates Concentration		
Ag 328.068	47.9930	48.8739	48.5412
Al 308.215	141225	141295	141241
As 188.980	274.220	265.985	274.722
B 249.678	136.095	134.603	135.847
Ba 389.178	878.414	878.107	876.864

Label	Replicates Concentration		
Be 313.042	62.4629	62.3835	62.4340
Ca 370.602	21303	21304	21313
Cd 226.502	47.5572	47.4864	48.3368
Co 228.615	243.693	241.601	242.436
Cr 267.716	761.929	762.282	762.587
Cu 324.754	208.483	207.661	205.117
Fe 271.441	573019	572718	573786
K 766.491	10623.8	10598.4	10618.6
Mg 279.078	9303.13	9310.73	9303.20
Mn 257.610	19515.2	19521.0	19502.0
Mo 202.032	109.364	108.497	108.459
Na 330.237	6005.26	5935.96	5914.65
Ni 231.604	204.543	206.657	205.292
Pb 220.353	396.903	408.285	395.836
Sb 206.834	21.9262	28.0201	30.3068
Se 196.026	81.0592	69.0154	77.6901
Sn 189.925	219.315	227.484	223.062
Sr 216.596	213.346	212.821	212.485
Ti 334.941	656.758	656.252	656.464
Tl 190.794	35.1747u	36.4958u	39.4513u
V 292.401	854.921	854.762	854.995
Zn 206.200	684.530	685.476	687.487

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	48.4694	ppb	0.4448	0.9	2326.54
Al 308.215	141254	ppb	36.3286	0.0	800735
As 188.980	271.642	ppb	4.9060	1.8	120.675
B 249.678	135.515	ppb	0.7993	0.6	1493.80
Ba 389.178	877.795	ppb	0.8207	0.1	19503.8
Be 313.042	62.4268	ppb	0.0402	0.1	143924
Ca 370.602	21307	ppb	5.051	0.0	70764
Cd 226.502	47.7935	ppb	0.4719	1.0	2924.80
Co 228.615	242.577	ppb	1.0532	0.4	1884.97
Cr 267.716	762.266	ppb	0.3295	0.0	19624.0
Cu 324.754	207.087	ppb	1.7547	0.8	10205.6
Fe 271.441	573174	ppb	550.978	0.1	507944
K 766.491	10613.6	ppb	13.3975	0.1	1358738
Mg 279.078	9305.68	ppb	4.3669	0.0	18507.6
Mn 257.610	19512.7	ppb	9.7702	0.1	2695785
Mo 202.032	108.773	ppb	0.5118	0.5	559.282
Na 330.237	5951.96	ppb	47.3782	0.8	133.927
Ni 231.604	205.497	ppb	1.0716	0.5	587.161
Pb 220.353	400.341	ppb	6.8999	1.7	383.813
Sb 206.834	26.7510	ppb	4.3320	16.2	30.7179
Se 196.026	75.9216	ppb	6.2136	8.2	44.9309
Sn 189.925	223.287	ppb	4.0891	1.8	115.317
Sr 216.596	212.884	ppb	0.4339	0.2	1938.54
Ti 334.941	656.491	ppb	0.2541	0.0	230601
Tl 190.794	37.0406	ppb	2.1897	5.9	-10.1217
V 292.401	854.892	ppb	0.1192	0.0	27720.1
Zn 206.200	685.831	ppb	1.5099	0.2	1397.26

680-104968-b-4-c msd (Samp) **9/11/2014, 2:48:32 AM** **Rack 4, Tube 18**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Replicates Concentration		
Ag 328.068	48.9136	49.3441	49.6347
Al 308.215	145373	145625	145956
As 188.980	289.241	283.030	271.202
B 249.678	133.470	134.448	134.557
Ba 389.178	1396.51	1395.67	1393.40
Be 313.042	61.3456	61.4200	61.2598
Ca 370.602	26126	26167	26071
Cd 226.502	48.6617	49.0679	48.2693
Co 228.615	224.305	226.481	223.033
Cr 267.716	745.819	748.352	748.054
Cu 324.754	225.882	227.532	227.714
Fe 271.441	518643	518616	518083
K 766.491	11497.2	11499.9	11525.2
Mg 279.078	10310.1	10314.0	10305.3
Mn 257.610	21731.5	21703.3	21718.9
Mo 202.032	106.385	107.253	104.904
Na 330.237	5849.48	5946.19	5789.29
Ni 231.604	195.604	196.258	198.589
Pb 220.353	488.662	493.727	489.991
Sb 206.834	30.0533	19.8128	27.2346
Se 196.026	80.1969	70.9921	84.1847
Sn 189.925	224.183	218.208	230.344
Sr 216.596	242.406	245.192	243.463
Ti 334.941	605.276	605.884	605.823
Tl 190.794	42.3780	33.3824u	39.0767
V 292.401	790.752	790.167	790.103
Zn 206.200	768.794	776.086	764.031

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	49.2974	ppb	0.3628	0.7	2378.83
Al 308.215	145651	ppb	291.970	0.2	825649
As 188.980	281.158	ppb	9.1640	3.3	125.633
B 249.678	134.159	ppb	0.5985	0.4	1513.54
Ba 389.178	1395.20	ppb	1.6097	0.1	30273.0
Be 313.042	61.3418	ppb	0.0802	0.1	141355
Ca 370.602	26121	ppb	48.18	0.2	89340
Cd 226.502	48.6663	ppb	0.3993	0.8	2804.29
Co 228.615	224.606	ppb	1.7437	0.8	1743.85
Cr 267.716	747.408	ppb	1.3846	0.2	19242.1
Cu 324.754	227.043	ppb	1.0095	0.4	11168.3
Fe 271.441	518447	ppb	316.099	0.1	459448
K 766.491	11507.5	ppb	15.4448	0.1	1473018
Mg 279.078	10309.8	ppb	4.3271	0.0	20741.8
Mn 257.610	21717.9	ppb	14.1342	0.1	3000166
Mo 202.032	106.181	ppb	1.1877	1.1	549.623
Na 330.237	5861.65	ppb	79.1521	1.4	154.666
Ni 231.604	196.817	ppb	1.5687	0.8	561.370
Pb 220.353	490.794	ppb	2.6263	0.5	473.788
Sb 206.834	25.7002	ppb	5.2898	20.6	29.7602
Se 196.026	78.4579	ppb	6.7660	8.6	45.3807

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Sn 189.925	224.245	ppb	6.0681	2.7	115.835
Sr 216.596	243.687	ppb	1.4065	0.6	2124.37
Ti 334.941	605.661	ppb	0.3351	0.1	212743
Tl 190.794	38.2791	ppb	4.5505	11.9	-6.9688
V 292.401	790.341	ppb	0.3575	0.0	25617.6
Zn 206.200	769.637	ppb	6.0716	0.8	1565.23

680-104968-b-1-a (Samp) **9/11/2014, 2:53:03 AM** **Rack 4, Tube 19**

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

Label	Replicates Concentration		
Ag 328.068	4.4715	5.2259	4.8569
Al 308.215	130537	131020	130659
As 188.980	288.028	280.406	277.193
B 249.678	101.621	101.692	102.362
Ba 389.178	3271.58	3277.82	3274.26
Be 313.042	14.8481	14.8838	14.8829
Ca 370.602	194481	193855	193476
Cd 226.502	29.0081	28.4250	28.2968
Co 228.615	120.609	122.250	121.677
Cr 267.716	630.974	632.853	632.700
Cu 324.754	2400.99	2432.18	2395.07
Fe 271.441	453796	454503	454407
K 766.491	15047.2	15089.0	15068.8
Mg 279.078	43239.4	43444.4	43314.4
Mn 257.610	14217.0	14210.2	14209.5
Mo 202.032	27.2946	26.3703	28.8715
Na 330.237	2010.94u	1585.06u	1821.41u
Ni 231.604	202.397	209.098	204.614
Pb 220.353	4156.50	4162.14	4157.82
Sb 206.834	27.8178	34.5934	29.7548
Se 196.026	-1.0312	10.6178	-14.5943
Sn 189.925	302.844	290.382	309.396
Sr 216.596	807.923	804.702	802.939
Ti 334.941	1770.35	1771.63	1772.57
Tl 190.794	0.3811u	2.6291u	5.7999u
V 292.401	541.539	541.289	541.228
Zn 206.200	6843.60	6879.82	6878.62

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	4.8514	ppb	0.3772	7.8	226.371
Al 308.215	130739	ppb	250.998	0.2	741135
As 188.980	281.876	ppb	5.5651	2.0	126.433
B 249.678	101.892	ppb	0.4090	0.4	1118.01
Ba 389.178	3274.56	ppb	3.1306	0.1	69714.9
Be 313.042	14.8716	ppb	0.0203	0.1	32130.4
Ca 370.602	193937	ppb	507.7	0.3	710923
Cd 226.502	28.5766	ppb	0.3791	1.3	2045.47
Co 228.615	121.512	ppb	0.8328	0.7	969.314
Cr 267.716	632.176	ppb	1.0433	0.2	16277.2
Cu 324.754	2409.41	ppb	19.9332	0.8	116592
Fe 271.441	454235	ppb	383.264	0.1	402539

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
K 766.491	15068.3	ppb	20.9031	0.1	1928296
Mg 279.078	43332.8	ppb	103.718	0.2	90624.1
Mn 257.610	14212.3	ppb	4.1305	0.0	1963795
Mo 202.032	27.5121	ppb	1.2647	4.6	119.857
Na 330.237	1805.80	ppb	213.372	11.8	-93.4859
Ni 231.604	205.370	ppb	3.4135	1.7	582.457
Pb 220.353	4158.82	ppb	2.9542	0.1	4105.40
Sb 206.834	30.7220	ppb	3.4898	11.4	34.5789
Se 196.026	-1.6692	ppb	12.6181	755.9	16.7162
Sn 189.925	300.874	ppb	9.6585	3.2	157.217
Sr 216.596	805.188	ppb	2.5274	0.3	6181.20
Ti 334.941	1771.52	ppb	1.1157	0.1	622270
Tl 190.794	2.9367	ppb	2.7225	92.7	-22.8366
V 292.401	541.352	ppb	0.1646	0.0	17610.4
Zn 206.200	6867.35	ppb	20.5733	0.3	13873.4

680-104968-b-2-a (Samp) **9/11/2014, 2:57:33 AM** **Rack 4, Tube 20**

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

Label	Replicates Concentration		
Ag 328.068	4.4326	4.2736	3.0909
Al 308.215	103693	103695	103702
As 188.980	274.354	250.625	260.055
B 249.678	68.3226	69.1339	68.2954
Ba 389.178	2726.14	2724.22	2721.51
Be 313.042	13.8724	13.8854	13.7754
Ca 370.602	178063	178425	177567
Cd 226.502	11.3373	10.9485	10.5433
Co 228.615	121.132	119.537	120.295
Cr 267.716	487.179	487.405	486.400
Cu 324.754	807.452	805.521	811.823
Fe 271.441	398989	398426	397931
K 766.491	12693.8	12662.1	12674.8
Mg 279.078	21179.6	21196.7	21144.6
Mn 257.610	13826.0	13843.0	13809.5
Mo 202.032	27.1312	25.6960	27.3241
Na 330.237	1725.53u	1832.53u	1884.39u
Ni 231.604	150.527	148.813	153.160
Pb 220.353	3765.25	3740.32	3738.40
Sb 206.834	27.9317	23.8623	30.3905
Se 196.026	8.6493	-5.6017	1.3882
Sn 189.925	193.193	193.610	196.854
Sr 216.596	867.112	864.485	865.837
Ti 334.941	1520.85	1518.89	1518.61
Tl 190.794	0.5282u	-4.6240u	-8.9707u
V 292.401	461.562	460.275	459.853
Zn 206.200	3556.32	3556.64	3552.25

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	3.9323	ppb	0.7331	18.6	186.514
Al 308.215	103697	ppb	4.3191	0.0	587911
As 188.980	261.678	ppb	11.9473	4.6	117.160

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
B 249.678	68.5839	ppb	0.4765	0.7	700.457
Ba 389.178	2723.95	ppb	2.3272	0.1	57992.0
Be 313.042	13.8444	ppb	0.0601	0.4	29683.1
Ca 370.602	178018	ppb	431.0	0.2	652791
Cd 226.502	10.9430	ppb	0.3970	3.6	1386.42
Co 228.615	120.322	ppb	0.7981	0.7	953.889
Cr 267.716	486.995	ppb	0.5274	0.1	12539.8
Cu 324.754	808.265	ppb	3.2288	0.4	39132.4
Fe 271.441	398449	ppb	529.385	0.1	353106
K 766.491	12676.9	ppb	15.9369	0.1	1622537
Mg 279.078	21173.6	ppb	26.5261	0.1	43932.4
Mn 257.610	13826.2	ppb	16.7188	0.1	1910236
Mo 202.032	26.7171	ppb	0.8896	3.3	120.069
Na 330.237	1814.15	ppb	81.0105	4.5	-54.0736
Ni 231.604	150.834	ppb	2.1893	1.5	430.998
Pb 220.353	3747.99	ppb	14.9768	0.4	3700.48
Sb 206.834	27.3948	ppb	3.2970	12.0	30.8434
Se 196.026	1.4786	ppb	7.1259	481.9	16.9298
Sn 189.925	194.552	ppb	2.0044	1.0	99.7991
Sr 216.596	865.811	ppb	1.3139	0.2	6580.56
Ti 334.941	1519.45	ppb	1.2249	0.1	533684
Tl 190.794	-4.3555	ppb	4.7551	109.2	-24.0791
V 292.401	460.563	ppb	0.8902	0.2	14990.9
Zn 206.200	3555.07	ppb	2.4478	0.1	7186.08

680-104968-b-3-a (Samp) **9/11/2014, 3:02:04 AM** **Rack 4, Tube 21**

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

Label	Replicates Concentration		
Ag 328.068	-1.9010u	-1.5396u	-2.7468u
Al 308.215	107281	107565	107339
As 188.980	207.044	201.824	204.702
B 249.678	23.6404u	24.8848	23.6707u
Ba 389.178	2314.52	2316.18	2313.76
Be 313.042	13.5897	13.5310	13.5983
Ca 370.602	33881	33898	33858
Cd 226.502	2.1080	2.1278	1.6362
Co 228.615	230.953	231.842	230.247
Cr 267.716	617.981	618.416	619.178
Cu 324.754	261.336	261.570	260.234
Fe 271.441	472139	472418	472643
K 766.491	7257.16	7245.72	7247.68
Mg 279.078	5902.01	5919.91	5910.32
Mn 257.610	29683.8x	29769.5x	29746.3x
Mo 202.032	26.1657	26.5320	25.3300
Na 330.237	1069.38u	1042.47u	853.821u
Ni 231.604	109.913	106.855	109.026
Pb 220.353	1465.83	1460.66	1476.42
Sb 206.834	5.9414	19.8694	-0.2944
Se 196.026	-12.2058	-12.7625	-4.9572
Sn 189.925	90.6552	96.1734	88.2202
Sr 216.596	268.378	266.720	268.869

Label	Replicates Concentration		
Ti 334.941	844.974	844.821	843.718
Tl 190.794	-7.0626u	1.9384u	0.9142u
V 292.401	654.922	656.126	656.254
Zn 206.200	1458.75	1456.99	1460.76

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-2.0625b	ppb	0.6196	30.0	-53.4624
Al 308.215	107395b	ppb	150.123	0.1	608875
As 188.980	204.523b	ppb	2.6142	1.3	89.2592
B 249.678	24.0653b	ppb	0.7099	2.9	40.7477
Ba 389.178	2314.82b	ppb	1.2374	0.1	49496.2
Be 313.042	13.5730b	ppb	0.0366	0.3	29042.9
Ca 370.602	33879b	ppb	19.83	0.1	118719
Cd 226.502	1.9573b	ppb	0.2783	14.2	1318.76
Co 228.615	231.014b	ppb	0.7992	0.3	1795.98
Cr 267.716	618.525b	ppb	0.6063	0.1	15924.7
Cu 324.754	261.047b	ppb	0.7134	0.3	12801.7
Fe 271.441	472400b	ppb	252.287	0.1	418644
K 766.491	7250.19b	ppb	6.1160	0.1	928706
Mg 279.078	5910.75b	ppb	8.9573	0.2	11543.6
Mn 257.610	29733.2xb	ppb	44.3356	0.1	4106832
Mo 202.032	26.0092b	ppb	0.6161	2.4	109.836
Na 330.237	988.558b	ppb	117.459	11.9	-120.127
Ni 231.604	108.598b	ppb	1.5729	1.4	317.905
Pb 220.353	1467.63b	ppb	8.0319	0.5	1442.66
Sb 206.834	8.5055b	ppb	10.3235	121.4	15.7540
Se 196.026	-9.9752b	ppb	4.3546	43.7	15.4668
Sn 189.925	91.6829b	ppb	4.0750	4.4	44.2449
Sr 216.596	267.989b	ppb	1.1262	0.4	2274.02
Ti 334.941	844.504b	ppb	0.6855	0.1	296611
Tl 190.794	-1.4033b	ppb	4.9278	351.1	-23.2281
V 292.401	655.767b	ppb	0.7346	0.1	21293.9
Zn 206.200	1458.83b	ppb	1.8896	0.1	2955.79

680-104968-b-5-a (Samp) **9/11/2014, 3:06:35 AM** **Rack 4, Tube 22**

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

Label	Replicates Concentration		
Ag 328.068	7.6469	4.9954	6.4685
Al 308.215	146179	146533	146823
As 188.980	395.018	386.326	398.486
B 249.678	58.0627	57.9112	59.3281
Ba 389.178	2981.61	2991.44	2989.96
Be 313.042	14.9695	15.0252	15.0152
Ca 370.602	76998	77197	77140
Cd 226.502	6.9768	7.9488	7.0392
Co 228.615	125.142	125.142	126.408
Cr 267.716	1012.01	1015.74	1012.44
Cu 324.754	3374.75	3371.72	3378.34
Fe 271.441	605911	602771	606823
K 766.491	9376.06	9389.91	9415.77
Mg 279.078	10724.0	10745.0	10733.0

Label	Replicates Concentration		
Mn 257.610	7483.16	7496.91	7513.04
Mo 202.032	29.1593	29.3368	28.0128
Na 330.237	1674.64u	1721.76u	1722.55u
Ni 231.604	140.617	145.988	146.045
Pb 220.353	23701.8x	23780.8x	23757.5x
Sb 206.834	1044.26	1040.28	1037.74
Se 196.026	11.2443	-5.3892	-7.5331
Sn 189.925	966.357	959.296	962.198
Sr 216.596	699.739	701.546	700.090
Ti 334.941	1891.71	1901.49	1904.09
Tl 190.794	8.2901u	5.2919u	-2.8942u
V 292.401	1026.72	1028.83	1028.69
Zn 206.200	3927.30	3944.35	3937.20

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	6.3703b	ppb	1.3285	20.9	263.675
Al 308.215	146512b	ppb	322.528	0.2	830532
As 188.980	393.277b	ppb	6.2642	1.6	178.655
B 249.678	58.4340b	ppb	0.7780	1.3	431.824
Ba 389.178	2987.67b	ppb	5.3029	0.2	63889.2
Be 313.042	15.0033b	ppb	0.0297	0.2	32541.7
Ca 370.602	77112b	ppb	102.4	0.1	276892
Cd 226.502	7.3216b	ppb	0.5441	7.4	1825.83
Co 228.615	125.564b	ppb	0.7310	0.6	1009.50
Cr 267.716	1013.40b	ppb	2.0416	0.2	26088.3
Cu 324.754	3374.93b	ppb	3.3131	0.1	163418
Fe 271.441	605168b	ppb	2125.32	0.4	536288
K 766.491	9393.92b	ppb	20.1550	0.2	1202793
Mg 279.078	10734.0b	ppb	10.5108	0.1	21459.4
Mn 257.610	7497.70b	ppb	14.9556	0.2	1036772
Mo 202.032	28.8363b	ppb	0.7186	2.5	114.149
Na 330.237	1706.32b	ppb	27.4367	1.6	-163.103
Ni 231.604	144.217b	ppb	3.1175	2.2	420.345
Pb 220.353	23746.7xb	ppb	40.5557	0.2	23491.2
Sb 206.834	1040.76b	ppb	3.2874	0.3	890.762
Se 196.026	-0.5593b	ppb	10.2783	1837.6	17.6361
Sn 189.925	962.617b	ppb	3.5489	0.4	514.585
Sr 216.596	700.458b	ppb	0.9580	0.1	5505.62
Ti 334.941	1899.10b	ppb	6.5265	0.3	667033
Tl 190.794	3.5626b	ppb	5.7892	162.5	-29.7072
V 292.401	1028.08b	ppb	1.1793	0.1	33332.3
Zn 206.200	3936.28b	ppb	8.5633	0.2	7959.00

680-104968-b-6-a (Samp) **9/11/2014, 3:11:05 AM** **Rack 4, Tube 23**

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

Label	Replicates Concentration		
Ag 328.068	3.0510	3.5824	2.0431
Al 308.215	161475	161679	161793
As 188.980	396.268	400.917	394.273
B 249.678	50.1955	51.1125	51.0225
Ba 389.178	4100.42	4107.67	4100.81

Label	Replicates Concentration		
Be 313.042	17.2379	17.2583	17.2352
Ca 370.602	81113	81168	81251
Cd 226.502	9.6701	8.9171	9.7425
Co 228.615	304.785	303.090	307.920
Cr 267.716	975.866	974.818	975.276
Cu 324.754	4622.33	4681.69	4687.21
Fe 271.441	686799	687685	688049
K 766.491	9208.36	9209.70	9204.60
Mg 279.078	10915.0	10917.7	10946.9
Mn 257.610	19143.9	19185.8	19225.9
Mo 202.032	27.7454	28.6352	29.5115
Na 330.237	1824.30u	1863.90u	1600.02u
Ni 231.604	154.863	156.007	152.938
Pb 220.353	30406.8x	30432.7x	30499.1x
Sb 206.834	1542.04	1544.95	1552.34
Se 196.026	4.4965	-11.8981	-0.3859
Sn 189.925	1389.88	1416.16	1416.92
Sr 216.596	612.081	608.953	611.560
Ti 334.941	1858.13	1858.55	1860.56
Tl 190.794	18.5990u	7.8384u	-0.0118u
V 292.401	1111.09	1110.07	1113.06
Zn 206.200	4119.92	4116.84	4124.74

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	2.8922b	ppb	0.7819	27.0	128.369
Al 308.215	161649b	ppb	160.817	0.1	916303
As 188.980	397.153b	ppb	3.4095	0.9	179.924
B 249.678	50.7768b	ppb	0.5054	1.0	278.023
Ba 389.178	4102.97b	ppb	4.0809	0.1	87468.4
Be 313.042	17.2438b	ppb	0.0126	0.1	37829.9
Ca 370.602	81178b	ppb	69.40	0.1	290767
Cd 226.502	9.4432b	ppb	0.4571	4.8	2100.40
Co 228.615	305.265b	ppb	2.4508	0.8	2390.56
Cr 267.716	975.320b	ppb	0.5251	0.1	25107.3
Cu 324.754	4663.74b	ppb	35.9686	0.8	225781
Fe 271.441	687511b	ppb	642.917	0.1	609266
K 766.491	9207.55b	ppb	2.6452	0.0	1178965
Mg 279.078	10926.5b	ppb	17.6818	0.2	21701.1
Mn 257.610	19185.2b	ppb	41.0265	0.2	2650819
Mo 202.032	28.6307b	ppb	0.8831	3.1	106.194
Na 330.237	1762.74b	ppb	142.300	8.1	-196.752
Ni 231.604	154.603b	ppb	1.5509	1.0	451.729
Pb 220.353	30446.2xb	ppb	47.6325	0.2	30120.8
Sb 206.834	1546.44b	ppb	5.3087	0.3	1317.95
Se 196.026	-2.5958b	ppb	8.4177	324.3	19.6762
Sn 189.925	1407.66b	ppb	15.3955	1.1	754.924
Sr 216.596	610.865b	ppb	1.6761	0.3	4913.56
Ti 334.941	1859.08b	ppb	1.2991	0.1	652991
Tl 190.794	8.8085b	ppb	9.3432	106.1	-28.6592
V 292.401	1111.41b	ppb	1.5200	0.1	36053.4
Zn 206.200	4120.50b	ppb	3.9786	0.1	8332.78

680-104968-b-7-a (Samp) **9/11/2014, 3:15:36 AM** **Rack 4, Tube 24**

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

Label	Replicates Concentration		
Ag 328.068	-2.7629u	-2.0578u	-2.6114u
Al 308.215	148311	148311	148405
As 188.980	272.073	273.380	276.445
B 249.678	39.0809	39.3573	38.6812
Ba 389.178	1167.48	1167.55	1167.19
Be 313.042	21.0193	20.9678	20.9541
Ca 370.602	106553	106518	106557
Cd 226.502	5.3481	5.4737	4.8960
Co 228.615	145.859	145.638	145.695
Cr 267.716	1150.84	1151.29	1150.90
Cu 324.754	230.764	228.578	230.145
Fe 271.441	699703	695549	696911
K 766.491	9598.99	9577.45	9574.69
Mg 279.078	23199.1	23173.6	23212.6
Mn 257.610	8495.76	8497.39	8520.56
Mo 202.032	19.3679	21.6996	20.1002
Na 330.237	1595.48u	1583.58u	1713.26u
Ni 231.604	80.8353	79.3392	82.4695
Pb 220.353	1241.20	1250.73	1252.64
Sb 206.834	32.4336	42.7781	42.3032
Se 196.026	-17.8602	-12.8443	-22.9324
Sn 189.925	58.9178	63.3067	71.6328
Sr 216.596	289.868	290.506	292.109
Ti 334.941	1783.50	1784.53	1778.92
Tl 190.794	-3.3688u	6.1019u	2.9683u
V 292.401	1275.10	1274.88	1275.00
Zn 206.200	1069.74	1063.89	1070.33

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-2.4774	ppb	0.3712	15.0	-165.663
Al 308.215	148342	ppb	54.3614	0.0	840915
As 188.980	273.966	ppb	2.2445	0.8	120.859
B 249.678	39.0398	ppb	0.3399	0.9	89.5854
Ba 389.178	1167.41	ppb	0.1901	0.0	25853.8
Be 313.042	20.9804	ppb	0.0344	0.2	46686.7
Ca 370.602	106542	ppb	21.40	0.0	384346
Cd 226.502	5.2393	ppb	0.3038	5.8	2009.83
Co 228.615	145.731	ppb	0.1149	0.1	1166.90
Cr 267.716	1151.01	ppb	0.2439	0.0	29629.3
Cu 324.754	229.829	ppb	1.1271	0.5	11194.6
Fe 271.441	697388	ppb	2117.82	0.3	618008
K 766.491	9583.71	ppb	13.3021	0.1	1227059
Mg 279.078	23195.1	ppb	19.8349	0.1	47588.7
Mn 257.610	8504.57	ppb	13.8732	0.2	1176084
Mo 202.032	20.3892	ppb	1.1924	5.8	59.4726
Na 330.237	1630.77	ppb	71.6842	4.4	-200.056
Ni 231.604	80.8814	ppb	1.5657	1.9	250.100
Pb 220.353	1248.19	ppb	6.1251	0.5	1221.29
Sb 206.834	39.1716	ppb	5.8402	14.9	45.2394
Se 196.026	-17.8790	ppb	5.0441	28.2	13.2266

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Sn 189.925	64.6191	ppb	6.4583	10.0	29.6290
Sr 216.596	290.828	ppb	1.1550	0.4	2613.01
Ti 334.941	1782.31	ppb	2.9881	0.2	626057
Tl 190.794	1.9005	ppb	4.8248	253.9	-34.1181
V 292.401	1274.99	ppb	0.1072	0.0	41318.5
Zn 206.200	1067.99	ppb	3.5561	0.3	2170.57

Cont Calib Verif (CCV) **9/11/2014, 3:20:07 AM** **Rack 4, Tube 25**

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

Label	Replicates Concentration		
Ag 328.068	499.649	501.219	502.279
Al 308.215	4883.20	4883.59	4877.13
As 188.980	468.933	471.125	478.282
B 249.678	496.929	499.786	500.720
Ba 389.178	4889.16	4893.20	4896.71
Be 313.042	490.787	490.703	490.405
Ca 370.602	4919	4913	4925
Cd 226.502	486.508	486.006	487.288
Co 228.615	486.673	488.911	489.275
Cr 267.716	4896.89	4896.82	4897.19
Cu 324.754	4921.87	4940.03	4900.43
Fe 271.441	4922.03	4915.86	4913.36
K 766.491	9996.84	10007.1	10002.9
Mg 279.078	4906.31	4920.48	4915.54
Mn 257.610	4977.85	4992.46	4989.45
Mo 202.032	489.695	491.181	490.580
Na 330.237	7077.68	7184.57	6872.72
Ni 231.604	2467.69	2473.61	2478.24
Pb 220.353	487.731	491.337	487.580
Sb 206.834	932.382	939.754	942.690
Se 196.026	4881.26	4879.69	4868.93
Sn 189.925	4860.31	4866.55	4855.42
Sr 216.596	2438.50	2442.59	2444.05
Ti 334.941	483.438	483.415	483.026
Tl 190.794	5019.12	5013.82	5030.49
V 292.401	4883.57	4882.21	4890.44
Zn 206.200	2449.88	2458.03	2457.47

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Ag 328.068	501.049	ppb	1.3230	0.3	24046.7	100.20979
Al 308.215	4881.31	ppb	3.6255	0.1	28279.2	97.62613
As 188.980	472.780	ppb	4.8891	1.0	221.185	94.55596
B 249.678	499.145	ppb	1.9748	0.4	6867.21	99.82902
Ba 389.178	4893.02	ppb	3.7786	0.1	102800	97.86039
Be 313.042	490.632	ppb	0.2004	0.0	1151567	98.12638
Ca 370.602	4919	ppb	6.173	0.1	18219	98.38207
Cd 226.502	486.601	ppb	0.6458	0.1	14255.1	97.32011
Co 228.615	488.286	ppb	1.4092	0.3	3732.45	97.65722
Cr 267.716	4896.97	ppb	0.1958	0.0	126044	97.93932
Cu 324.754	4920.78	ppb	19.8226	0.4	238270	98.41556
Fe 271.441	4917.08	ppb	4.4646	0.1	4427.86	98.34169

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
K 766.491	10002.3	ppb	5.1395	0.1	1280572	100.02257
Mg 279.078	4914.11	ppb	7.1929	0.1	10393.2	98.28217
Mn 257.610	4986.59	ppb	7.7117	0.2	688654	99.73176
Mo 202.032	490.485	ppb	0.7472	0.2	2717.69	98.09706
Na 330.237	7044.99	ppb	158.476	2.2	458.094	93.93320
Ni 231.604	2473.18	ppb	5.2877	0.2	6782.24	98.92719
Pb 220.353	488.883	ppb	2.1270	0.4	485.071	97.77656
Sb 206.834	938.275	ppb	5.3106	0.6	821.041	93.82753
Se 196.026	4876.63	ppb	6.7114	0.1	1688.30	97.53258
Sn 189.925	4860.76	ppb	5.5777	0.1	2619.74	97.21519
Sr 216.596	2441.72	ppb	2.8778	0.1	17600.5	97.66863
Ti 334.941	483.293	ppb	0.2314	0.0	169671	96.65858
Tl 190.794	5021.14	ppb	8.5177	0.2	2491.69	100.42284
V 292.401	4885.41	ppb	4.4161	0.1	156959	97.70812
Zn 206.200	2455.12	ppb	4.5506	0.2	4946.01	98.20497

Cont Calib Blank (CCB) **9/11/2014, 3:24:38 AM** **Rack 4, Tube 26**

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

Label	Replicates Concentration		
Ag 328.068	0.0519	-0.5662u	-0.2174u
Al 308.215	6.7682	6.7426	4.3297
As 188.980	0.7100	3.1683	1.1480
B 249.678	5.4336	5.0009	4.2292
Ba 389.178	-0.2896u	0.4298	0.4816
Be 313.042	-0.0859u	-0.1040u	-0.0709u
Ca 370.602	3.561	6.793	2.878
Cd 226.502	-0.0472u	-0.1276u	-0.1619u
Co 228.615	0.6426	-0.0587u	0.6467
Cr 267.716	0.3764	0.3692	0.6320
Cu 324.754	0.4276	0.6809	0.2957
Fe 271.441	11.1762	13.0377	10.3880
K 766.491	0.0989	0.1112	-0.4133u
Mg 279.078	0.3830	3.4500	0.2377
Mn 257.610	0.2290	0.1547	0.0702
Mo 202.032	1.2551	0.8090	0.1142
Na 330.237	-64.6431u	-105.722u	80.3501
Ni 231.604	0.4103	-0.2757u	0.2758
Pb 220.353	-3.4065u	2.7435	-2.1185u
Sb 206.834	4.0617	7.7886	3.4697
Se 196.026	-5.4482u	8.3522	2.6063
Sn 189.925	-0.6811u	3.2583	-0.3920u
Sr 216.596	0.2522	0.4429	-0.4793u
Ti 334.941	0.1728	0.1859	0.1622
Tl 190.794	-1.9771u	0.6979	10.9151
V 292.401	0.7286	0.5186	0.3457
Zn 206.200	-0.6864u	-0.0541u	-0.4145u

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Ag 328.068	-0.2439	ppb	0.3099	127.1	-21.2706	-0.24390
Al 308.215	5.9469	ppb	1.4005	23.6	374.376	5.94686
As 188.980	1.6754	ppb	1.3113	78.3	-4.4232	1.67542

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
B 249.678	4.8879	ppb	0.6101	12.5	104.772	4.88788
Ba 389.178	0.2072	ppb	0.4311	208.0	-15.8819	0.20724
Be 313.042	-0.0869	ppb	0.0166	19.1	-3275.84	-0.08692
Ca 370.602	4.411	ppb	2.091	47.4	13.13	4.41079
Cd 226.502	-0.1122	ppb	0.0589	52.5	15.2701	-0.11222
Co 228.615	0.4102	ppb	0.4061	99.0	-6.6208	0.41019
Cr 267.716	0.4592	ppb	0.1497	32.6	16.5586	0.45920
Cu 324.754	0.4681	ppb	0.1957	41.8	248.139	0.46806
Fe 271.441	11.5339	ppb	1.3606	11.8	30.9325	11.53395
K 766.491	-0.0677	ppb	0.2993	442.2	1725.50	-0.06770
Mg 279.078	1.3569	ppb	1.8142	133.7	26.9008	1.35690
Mn 257.610	0.1513	ppb	0.0795	52.5	64.3205	0.15131
Mo 202.032	0.7261	ppb	0.5750	79.2	9.8690	0.72610
Na 330.237	-30.0049	ppb	97.7523	325.8	54.6236	-30.00489
Ni 231.604	0.1368	ppb	0.3635	265.8	3.5496	0.13678
Pb 220.353	-0.9272	ppb	3.2435	349.8	-1.2519	-0.92719
Sb 206.834	5.1067	ppb	2.3414	45.9	9.2244	5.10668
Se 196.026	1.8367	ppb	6.9323	377.4	8.8110	1.83672
Sn 189.925	0.7284	ppb	2.1957	301.4	-4.8736	0.72840
Sr 216.596	0.0719	ppb	0.4868	676.7	2.7501	0.07195
Ti 334.941	0.1736	ppb	0.0119	6.8	-19.1589	0.17364
Tl 190.794	3.2120	ppb	6.8039	211.8	-5.4487	3.21198
V 292.401	0.5310	ppb	0.1918	36.1	19.1952	0.53095
Zn 206.200	-0.3850	ppb	0.3172	82.4	0.9943	-0.38502

680-104968-b-8-a (Samp) **9/11/2014, 3:29:09 AM** **Rack 4, Tube 27**

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

Label	Replicates Concentration		
Ag 328.068	-6.0509u	-5.2783u	-6.2921u
Al 308.215	193084	193259	193223
As 188.980	243.826	255.283	258.126
B 249.678	16.3071u	15.7671u	15.5489u
Ba 389.178	1066.69	1068.32	1070.34
Be 313.042	23.9780	24.0051	24.0110
Ca 370.602	15078	15083	15059
Cd 226.502	3.4345	3.0292	3.3961
Co 228.615	160.770	157.905	157.141
Cr 267.716	1132.83	1133.30	1135.57
Cu 324.754	126.163	124.827	125.062
Fe 271.441	764733	763059	766600
K 766.491	4871.44	4862.73	4854.86
Mg 279.078	7772.65	7789.63	7786.45
Mn 257.610	9055.45	9038.26	9066.54
Mo 202.032	13.7928	13.2065	13.9094
Na 330.237	894.661u	987.060u	967.926u
Ni 231.604	100.903	99.7992	98.6413
Pb 220.353	711.554	694.898	697.550
Sb 206.834	41.2087	15.7626	17.5196
Se 196.026	-6.9898	10.2181	-4.2563
Sn 189.925	28.9355	37.1994	29.7774
Sr 216.596	94.5664	98.0943	97.7837

Label	Replicates Concentration		
Ti 334.941	1125.45	1125.29	1126.87
Tl 190.794	4.0769u	7.1930u	11.9731u
V 292.401	1379.36	1378.69	1379.60
Zn 206.200	562.940	559.407	563.278

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-5.8738	ppb	0.5296	9.0	-331.735
Al 308.215	193189	ppb	92.5750	0.0	1095020
As 188.980	252.412	ppb	7.5704	3.0	110.076
B 249.678	15.8744	ppb	0.3903	2.5	-271.185
Ba 389.178	1068.45	ppb	1.8252	0.2	23853.8
Be 313.042	23.9980	ppb	0.0176	0.1	53781.1
Ca 370.602	15073	ppb	12.81	0.1	45144
Cd 226.502	3.2866	ppb	0.2238	6.8	2120.09
Co 228.615	158.605	ppb	1.9135	1.2	1258.78
Cr 267.716	1133.90	ppb	1.4627	0.1	29188.2
Cu 324.754	125.351	ppb	0.7134	0.6	6238.59
Fe 271.441	764797	ppb	1771.63	0.2	677743
K 766.491	4863.01	ppb	8.2929	0.2	623494
Mg 279.078	7782.91	ppb	9.0242	0.1	14906.1
Mn 257.610	9053.42	ppb	14.2498	0.2	1251925
Mo 202.032	13.6362	ppb	0.3767	2.8	16.7100
Na 330.237	949.883	ppb	48.7706	5.1	-257.594
Ni 231.604	99.7813	ppb	1.1311	1.1	304.214
Pb 220.353	701.334	ppb	8.9496	1.3	677.665
Sb 206.834	24.8303	ppb	14.2112	57.2	33.1212
Se 196.026	-0.3427	ppb	9.2475	2698.3	19.7307
Sn 189.925	31.9708	ppb	4.5476	14.2	11.9973
Sr 216.596	96.8148	ppb	1.9533	2.0	1232.23
Ti 334.941	1125.87	ppb	0.8675	0.1	395482
Tl 190.794	7.7476	ppb	3.9772	51.3	-34.2303
V 292.401	1379.22	ppb	0.4740	0.0	44697.5
Zn 206.200	561.875	ppb	2.1443	0.4	1150.37

680-104968-b-9-a (Samp) **9/11/2014, 3:33:40 AM** **Rack 4, Tube 28**

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

Label	Replicates Concentration		
Ag 328.068	-7.5397u	-7.3096u	-8.4283u
Al 308.215	162399	162283	162387
As 188.980	220.070	205.422	197.026
B 249.678	13.2445u	14.8375u	12.9800u
Ba 389.178	724.677	726.166	724.840
Be 313.042	15.8995	15.8792	15.8342
Ca 370.602	11299	11308	11256
Cd 226.502	2.1226	1.9451	1.8925
Co 228.615	173.252	170.975	172.007
Cr 267.716	966.540	965.243	965.694
Cu 324.754	109.798	109.795	109.534
Fe 271.441	674178	674724	675349
K 766.491	4188.65	4180.28	4186.01
Mg 279.078	6493.93	6488.19	6498.24

Label	Replicates Concentration		
Mn 257.610	7311.28	7306.56	7322.97
Mo 202.032	12.6962	13.3140	11.7949
Na 330.237	530.173u	601.769u	779.698u
Ni 231.604	84.8780	82.3170	87.0980
Pb 220.353	763.935	757.424	752.242
Sb 206.834	22.0055	11.0471	6.7364
Se 196.026	-3.5862	-20.8660	-3.6874
Sn 189.925	40.4858	36.6980	32.0979
Sr 216.596	111.191	111.314	107.826
Ti 334.941	905.774	905.498	905.386
Tl 190.794	14.3485u	2.8535u	1.5628u
V 292.401	1206.34	1205.37	1205.42
Zn 206.200	434.087	436.723	439.155

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-7.7592	ppb	0.5908	7.6	-419.750
Al 308.215	162356	ppb	63.6693	0.0	920312
As 188.980	207.506	ppb	11.6625	5.6	89.2163
B 249.678	13.6874	ppb	1.0048	7.3	-240.511
Ba 389.178	725.228	ppb	0.8165	0.1	16478.1
Be 313.042	15.8710	ppb	0.0334	0.2	34621.5
Ca 370.602	11288	ppb	27.67	0.2	32348
Cd 226.502	1.9867	ppb	0.1205	6.1	1851.09
Co 228.615	172.078	ppb	1.1406	0.7	1354.70
Cr 267.716	965.826	ppb	0.6581	0.1	24862.0
Cu 324.754	109.709	ppb	0.1513	0.1	5491.69
Fe 271.441	674750	ppb	586.217	0.1	597951
K 766.491	4184.98	ppb	4.2780	0.1	536804
Mg 279.078	6493.45	ppb	5.0430	0.1	12361.9
Mn 257.610	7313.60	ppb	8.4461	0.1	1011480
Mo 202.032	12.6017	ppb	0.7639	6.1	18.4330
Na 330.237	637.213	ppb	128.483	20.2	-231.891
Ni 231.604	84.7643	ppb	2.3925	2.8	259.878
Pb 220.353	757.867	ppb	5.8593	0.8	735.836
Sb 206.834	13.2630	ppb	7.8720	59.4	22.2731
Se 196.026	-9.3799	ppb	9.9474	106.1	15.1689
Sn 189.925	36.4272	ppb	4.2005	11.5	14.4041
Sr 216.596	110.111	ppb	1.9791	1.8	1267.21
Ti 334.941	905.553	ppb	0.1999	0.0	318086
Tl 190.794	6.2550	ppb	7.0389	112.5	-31.4174
V 292.401	1205.71	ppb	0.5442	0.0	39078.8
Zn 206.200	436.655	ppb	2.5346	0.6	896.025

680-104968-b-10-a (Samp) **9/11/2014, 3:38:11 AM** **Rack 4, Tube 29**

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

Label	Replicates Concentration		
Ag 328.068	1.5250	1.5035	1.5224
Al 308.215	134013	134114	134238
As 188.980	292.051	290.877	283.438
B 249.678	68.0042	67.2108	69.5215
Ba 389.178	2737.41	2736.99	2739.70

Label	Replicates Concentration		
Be 313.042	16.4679	16.4385	16.4269
Ca 370.602	103583	103484	103581
Cd 226.502	15.9783	15.6401	15.9716
Co 228.615	127.412	126.895	125.293
Cr 267.716	608.161	606.717	608.649
Cu 324.754	1076.32	1061.49	1069.67
Fe 271.441	447442	447324	448281
K 766.491	11321.0	11325.1	11352.8
Mg 279.078	15245.8	15218.0	15239.0
Mn 257.610	10479.9	10483.5	10484.6
Mo 202.032	21.9291	21.6909	20.9115
Na 330.237	1612.04u	1592.23u	1671.31u
Ni 231.604	184.956	188.076	186.527
Pb 220.353	3633.04	3634.61	3642.63
Sb 206.834	85.6150	77.2450	80.3038
Se 196.026	4.5472	-13.2928	-2.5689
Sn 189.925	302.920	302.447	299.426
Sr 216.596	635.018	633.010	635.955
Ti 334.941	2008.89	2009.83	2010.45
Tl 190.794	-1.6985u	-0.0291u	7.8381u
V 292.401	636.027	635.653	636.385
Zn 206.200	5042.83	5036.79	5037.61

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	1.5170	ppb	0.0117	0.8	54.9508
Al 308.215	134122	ppb	112.673	0.1	760308
As 188.980	288.788	ppb	4.6709	1.6	129.780
B 249.678	68.2455	ppb	1.1741	1.7	662.498
Ba 389.178	2738.03	ppb	1.4602	0.1	58363.8
Be 313.042	16.4444	ppb	0.0212	0.1	35824.0
Ca 370.602	103550	ppb	56.63	0.1	376898
Cd 226.502	15.8633	ppb	0.1933	1.2	1659.59
Co 228.615	126.534	ppb	1.1047	0.9	1011.32
Cr 267.716	607.842	ppb	1.0044	0.2	15649.9
Cu 324.754	1069.16	ppb	7.4277	0.7	51816.9
Fe 271.441	447682	ppb	521.893	0.1	396734
K 766.491	11333.0	ppb	17.3139	0.2	1450711
Mg 279.078	15234.3	ppb	14.4655	0.1	31287.2
Mn 257.610	10482.7	ppb	2.4629	0.0	1448628
Mo 202.032	21.5105	ppb	0.5322	2.5	87.0467
Na 330.237	1625.19	ppb	41.1458	2.5	-100.299
Ni 231.604	186.520	ppb	1.5601	0.8	530.598
Pb 220.353	3636.76	ppb	5.1456	0.1	3588.51
Sb 206.834	81.0546	ppb	4.2352	5.2	77.0723
Se 196.026	-3.7715	ppb	8.9806	238.1	14.9394
Sn 189.925	301.598	ppb	1.8952	0.6	157.608
Sr 216.596	634.661	ppb	1.5044	0.2	4924.02
Ti 334.941	2009.72	ppb	0.7849	0.0	705871
Tl 190.794	2.0368	ppb	5.0929	250.0	-23.5475
V 292.401	636.022	ppb	0.3659	0.1	20664.0
Zn 206.200	5039.07	ppb	3.2774	0.1	10182.6

680-104968-b-11-a (Samp) **9/11/2014, 3:42:42 AM** **Rack 4, Tube 30**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Replicates	Concentration	
Ag 328.068	0.5905	0.0258u	0.0996
Al 308.215	140564	140898	140865
As 188.980	290.829	299.141	305.085
B 249.678	64.2251	63.7356	64.3327
Ba 389.178	3036.51	3040.12	3043.96
Be 313.042	16.6414	16.6477	16.6969
Ca 370.602	84214	84277	84354
Cd 226.502	12.9650	13.5059	13.2514
Co 228.615	143.199	140.723	142.436
Cr 267.716	621.932	623.917	625.350
Cu 324.754	856.989	847.173	849.740
Fe 271.441	503198	503222	505333
K 766.491	10324.9	10348.5	10334.8
Mg 279.078	12470.9	12474.7	12473.3
Mn 257.610	13910.3	13984.5	13990.0
Mo 202.032	24.0615	24.0366	23.6594
Na 330.237	1328.66u	1143.92u	1071.15u
Ni 231.604	188.429	188.179	190.657
Pb 220.353	4372.44	4376.82	4390.01
Sb 206.834	94.4272	92.8526	91.9507
Se 196.026	5.7430	18.9511	22.4088
Sn 189.925	198.366	183.082	192.538
Sr 216.596	694.309	694.166	694.261
Ti 334.941	2057.97	2059.33	2058.23
Tl 190.794	-8.2785u	14.6995u	3.7129u
V 292.401	754.096	755.544	753.008
Zn 206.200	4541.92	4547.92	4545.25

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	0.2386	ppb	0.3070	128.6	0.1466
Al 308.215	140776	ppb	183.782	0.1	798015
As 188.980	298.352	ppb	7.1603	2.4	133.952
B 249.678	64.0978	ppb	0.3182	0.5	567.331
Ba 389.178	3040.19	ppb	3.7247	0.1	64808.2
Be 313.042	16.6620	ppb	0.0304	0.2	36362.6
Ca 370.602	84281	ppb	70.07	0.1	304881
Cd 226.502	13.2408	ppb	0.2706	2.0	1730.31
Co 228.615	142.120	ppb	1.2679	0.9	1134.14
Cr 267.716	623.733	ppb	1.7166	0.3	16058.0
Cu 324.754	851.301	ppb	5.0909	0.6	41290.9
Fe 271.441	503918	ppb	1225.64	0.2	446568
K 766.491	10336.1	ppb	11.8351	0.1	1323250
Mg 279.078	12473.0	ppb	1.9017	0.0	25340.5
Mn 257.610	13961.6	ppb	44.5289	0.3	1929119
Mo 202.032	23.9192	ppb	0.2253	0.9	95.6211
Na 330.237	1181.24	ppb	132.748	11.2	-151.810
Ni 231.604	189.089	ppb	1.3642	0.7	539.660
Pb 220.353	4379.76	ppb	9.1446	0.2	4323.01
Sb 206.834	93.0768	ppb	1.2534	1.3	87.3106
Se 196.026	15.7010	ppb	8.7954	56.0	22.7894

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Sn 189.925	191.329	ppb	7.7133	4.0	98.0579
Sr 216.596	694.245	ppb	0.0727	0.0	5390.02
Ti 334.941	2058.51	ppb	0.7248	0.0	723010
Tl 190.794	3.3780	ppb	11.4927	340.2	-24.6591
V 292.401	754.216	ppb	1.2719	0.2	24494.9
Zn 206.200	4545.03	ppb	3.0068	0.1	9186.52

680-104968-b-12-a (Samp) **9/11/2014, 3:47:13 AM** **Rack 4, Tube 31**

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

Label	Replicates Concentration		
Ag 328.068	-2.2559u	-3.6745u	-2.8494u
Al 308.215	155878	155831	155796
As 188.980	302.814	291.134	307.847
B 249.678	27.1010u	27.9681u	27.2559u
Ba 389.178	2269.58	2271.71	2275.35
Be 313.042	21.6139	21.6149	21.6179
Ca 370.602	36953	36932	36920
Cd 226.502	8.4628	7.8080	7.0459
Co 228.615	303.434	305.894	307.802
Cr 267.716	1080.05	1079.98	1079.81
Cu 324.754	266.770	268.996	270.001
Fe 271.441	772573	772608	771528
K 766.491	6671.48	6673.69	6667.00
Mg 279.078	8783.88	8780.01	8797.21
Mn 257.610	36359.8x	36631.8x	37108.6x
Mo 202.032	18.1167	19.9658	19.9378
Na 330.237	1359.32u	1311.62u	1030.10u
Ni 231.604	122.899	125.314	122.558
Pb 220.353	994.532	1003.33	1003.85
Sb 206.834	26.5850	29.5776	14.7403
Se 196.026	-18.7343	-11.1609	2.4678
Sn 189.925	71.7142	74.3328	67.6584
Sr 216.596	286.045	287.858	287.460
Ti 334.941	1646.70	1645.78	1645.55
Tl 190.794	-3.7101u	-2.4440u	0.0114u
V 292.401	1350.00	1350.99	1350.08
Zn 206.200	1540.95	1542.07	1544.12

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-2.9266b	ppb	0.7124	24.3	-99.3864
Al 308.215	155835b	ppb	41.3256	0.0	883371
As 188.980	300.598b	ppb	8.5739	2.9	133.075
B 249.678	27.4417b	ppb	0.4624	1.7	-119.888
Ba 389.178	2272.21b	ppb	2.9168	0.1	49162.3
Be 313.042	21.6156b	ppb	0.0021	0.0	48165.5
Ca 370.602	36935b	ppb	16.72	0.0	125941
Cd 226.502	7.7722b	ppb	0.7091	9.1	2276.91
Co 228.615	305.710b	ppb	2.1900	0.7	2394.98
Cr 267.716	1079.95b	ppb	0.1217	0.0	27799.0
Cu 324.754	268.589b	ppb	1.6538	0.6	13139.3
Fe 271.441	772236b	ppb	613.461	0.1	684345

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
K 766.491	6670.73b	ppb	3.4079	0.1	854619
Mg 279.078	8787.03b	ppb	9.0201	0.1	17007.0
Mn 257.610	36700.1xb	ppb	379.020	1.0	5069532
Mo 202.032	19.3401b	ppb	1.0596	5.5	47.4691
Na 330.237	1233.68b	ppb	177.914	14.4	-256.601
Ni 231.604	123.590b	ppb	1.5027	1.2	369.812
Pb 220.353	1000.57b	ppb	5.2356	0.5	975.046
Sb 206.834	23.6343b	ppb	7.8464	33.2	31.6883
Se 196.026	-9.1425b	ppb	10.7442	117.5	20.8037
Sn 189.925	71.2351b	ppb	3.3629	4.7	33.2017
Sr 216.596	287.121b	ppb	0.9525	0.3	2620.76
Ti 334.941	1646.01b	ppb	0.6104	0.0	578165
Tl 190.794	-2.0476b	ppb	1.8922	92.4	-34.8025
V 292.401	1350.36b	ppb	0.5526	0.0	43781.0
Zn 206.200	1542.38b	ppb	1.6071	0.1	3130.04

680-104968-b-13-a (Samp) **9/11/2014, 3:51:44 AM** **Rack 4, Tube 32**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Replicates Concentration		
Ag 328.068	-2.9821u	-1.9039u	-2.3208u
Al 308.215	134114	134168	133921
As 188.980	231.303	212.461	225.517
B 249.678	29.2779	27.5842	28.6962
Ba 389.178	1805.96	1805.11	1803.34
Be 313.042	16.3176	16.3088	16.3207
Ca 370.602	46878	46806	46846
Cd 226.502	3.6929	3.4289	3.3596
Co 228.615	220.876	222.949	220.709
Cr 267.716	629.882	629.270	629.271
Cu 324.754	278.873	279.938	283.639
Fe 271.441	526999	526918	527767
K 766.491	5118.25	5117.62	5123.65
Mg 279.078	11073.2	11082.5	11072.5
Mn 257.610	20072.9	20021.4	20035.9
Mo 202.032	15.5742	18.0959	18.9959
Na 330.237	725.161u	988.932u	859.318u
Ni 231.604	104.102	102.255	106.531
Pb 220.353	974.910	978.052	977.311
Sb 206.834	21.0123	27.8036	31.5219
Se 196.026	12.9430	-1.9113	-6.4152
Sn 189.925	78.6054	80.5357	77.3444
Sr 216.596	322.260	322.256	323.778
Ti 334.941	1468.97	1467.77	1468.95
Tl 190.794	7.2647u	-5.7357u	2.1934u
V 292.401	920.768	920.351	919.590
Zn 206.200	1532.45	1528.96	1523.32

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-2.4023	ppb	0.5437	22.6	-107.457
Al 308.215	134068	ppb	129.746	0.1	760017
As 188.980	223.094	ppb	9.6519	4.3	97.7456

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Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
B 249.678	28.5194	ppb	0.8606	3.0	63.5091
Ba 389.178	1804.80	ppb	1.3392	0.1	38897.4
Be 313.042	16.3157	ppb	0.0062	0.0	35584.6
Ca 370.602	46843	ppb	35.92	0.1	166001
Cd 226.502	3.4938	ppb	0.1759	5.0	1509.21
Co 228.615	221.511	ppb	1.2481	0.6	1735.29
Cr 267.716	629.474	ppb	0.3531	0.1	16204.4
Cu 324.754	280.817	ppb	2.5016	0.9	13729.9
Fe 271.441	527228	ppb	468.494	0.1	467230
K 766.491	5119.84	ppb	3.3117	0.1	656331
Mg 279.078	11076.1	ppb	5.5484	0.1	22340.6
Mn 257.610	20043.4	ppb	26.5330	0.1	2768970
Mo 202.032	17.5553	ppb	1.7737	10.1	58.2905
Na 330.237	857.803	ppb	131.892	15.4	-163.695
Ni 231.604	104.296	ppb	2.1446	2.1	308.115
Pb 220.353	976.758	ppb	1.6422	0.2	954.916
Sb 206.834	26.7793	ppb	5.3292	19.9	31.4291
Se 196.026	1.5388	ppb	10.1298	658.3	18.8997
Sn 189.925	78.8285	ppb	1.6073	2.0	37.3029
Sr 216.596	322.765	ppb	0.8778	0.3	2712.02
Ti 334.941	1468.56	ppb	0.6855	0.0	515811
Tl 190.794	1.2408	ppb	6.5523	528.1	-25.6652
V 292.401	920.236	ppb	0.5975	0.1	29847.8
Zn 206.200	1528.24	ppb	4.6074	0.3	3097.11

680-104968-b-15-a (Samp) **9/11/2014, 3:56:14 AM** **Rack 4, Tube 33**

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

Label	Replicates Concentration		
Ag 328.068	-3.8890u	-3.6372u	-3.6662u
Al 308.215	215824	216183	215992
As 188.980	300.787	318.635	318.928
B 249.678	15.0860u	16.1489u	15.0011u
Ba 389.178	1073.35	1073.65	1077.27
Be 313.042	27.9862	28.0199	28.0210
Ca 370.602	13888	13937	13953
Cd 226.502	5.2204	6.7572	6.5464
Co 228.615	161.087	158.885	159.890
Cr 267.716	1079.93	1080.21	1080.04
Cu 324.754	101.491	102.584	101.991
Fe 271.441	1040633x	1043645x	1042370x
K 766.491	4382.43	4379.37	4372.32
Mg 279.078	9127.27	9128.25	9131.20
Mn 257.610	11474.3	11489.3	11495.1
Mo 202.032	14.2195u	14.8876u	12.8154u
Na 330.237	1167.98u	1100.39u	1096.72u
Ni 231.604	86.0277	87.8902	86.1195
Pb 220.353	434.544	427.599	434.723
Sb 206.834	14.8526	7.1461	12.0990
Se 196.026	3.6348	-20.1114	11.4247
Sn 189.925	39.2819	35.2263	40.3008
Sr 216.596	161.365	162.698	161.770

Label	Replicates Concentration		
Ti 334.941	1191.12	1192.47	1192.57
Tl 190.794	8.3289u	1.8494u	2.1154u
V 292.401	1843.38	1841.97	1843.44
Zn 206.200	517.110	512.568	515.048

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-3.7308b	ppb	0.1378	3.7	-246.904
Al 308.215	216000b	ppb	179.387	0.1	1224291
As 188.980	312.783b	ppb	10.3904	3.3	136.938
B 249.678	15.4120b	ppb	0.6396	4.1	-471.516
Ba 389.178	1074.76b	ppb	2.1848	0.2	24508.8
Be 313.042	28.0091b	ppb	0.0198	0.1	63353.6
Ca 370.602	13926b	ppb	33.83	0.2	36930
Cd 226.502	6.1747b	ppb	0.8331	13.5	2943.25
Co 228.615	159.954b	ppb	1.1024	0.7	1283.31
Cr 267.716	1080.06b	ppb	0.1410	0.0	27797.9
Cu 324.754	102.022b	ppb	0.5475	0.5	5104.09
Fe 271.441	1042216xb	ppb	1511.49	0.1	923575
K 766.491	4378.04b	ppb	5.1811	0.1	561488
Mg 279.078	9128.91b	ppb	2.0423	0.0	17175.6
Mn 257.610	11486.2b	ppb	10.7585	0.1	1588492
Mo 202.032	13.9742b	ppb	1.0577	7.6	-5.2001
Na 330.237	1121.70b	ppb	40.1231	3.6	-377.502
Ni 231.604	86.6791b	ppb	1.0498	1.2	278.429
Pb 220.353	432.289b	ppb	4.0626	0.9	407.287
Sb 206.834	11.3659b	ppb	3.9052	34.4	21.4773
Se 196.026	-1.6840b	ppb	16.4271	975.5	23.4119
Sn 189.925	38.2697b	ppb	2.6844	7.0	15.3985
Sr 216.596	161.944b	ppb	0.6832	0.4	1898.86
Ti 334.941	1192.05b	ppb	0.8095	0.1	418772
Tl 190.794	4.0979b	ppb	3.6666	89.5	-47.2791
V 292.401	1842.93b	ppb	0.8331	0.0	59762.1
Zn 206.200	514.909b	ppb	2.2740	0.4	1061.99

680-104968-b-16-a (Samp) **9/11/2014, 4:00:45 AM** **Rack 4, Tube 34**

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

Label	Replicates Concentration		
Ag 328.068	5.5580	5.5089	5.9958
Al 308.215	116909	116961	117037
As 188.980	367.684	360.198	372.035
B 249.678	83.6707	83.2498	83.3429
Ba 389.178	4851.05	4854.47	4855.74
Be 313.042	13.6816	13.7340	13.6728
Ca 370.602	87885	87941	87972
Cd 226.502	11.6018	11.0705	11.7372
Co 228.615	109.031	109.234	110.302
Cr 267.716	461.590	461.105	462.551
Cu 324.754	3604.56	3611.54	3604.08
Fe 271.441	315014	314775	315153
K 766.491	12110.1	12104.6	12109.9
Mg 279.078	10979.6	10998.0	11003.7

Label	Replicates Concentration		
Mn 257.610	7105.87	7097.98	7088.31
Mo 202.032	29.6730	27.5110	27.6720
Na 330.237	1733.49u	1750.61u	1732.36u
Ni 231.604	177.453	176.948	177.244
Pb 220.353	20643.9x	20623.2x	20643.7x
Sb 206.834	819.522	808.587	813.893
Se 196.026	0.8447	-0.2095	8.7607
Sn 189.925	877.134	877.924	869.629
Sr 216.596	1061.40	1063.46	1063.91
Ti 334.941	2402.72	2400.12	2406.97
Tl 190.794	-10.2323u	0.9915u	5.0161u
V 292.401	545.323	545.037	544.647
Zn 206.200	4854.62	4844.03	4850.27

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	5.6876b	ppb	0.2681	4.7	255.884
Al 308.215	116969b	ppb	64.7871	0.1	663116
As 188.980	366.639b	ppb	5.9873	1.6	168.021
B 249.678	83.4211b	ppb	0.2211	0.3	971.621
Ba 389.178	4853.75b	ppb	2.4252	0.0	102553
Be 313.042	13.6961b	ppb	0.0331	0.2	29321.9
Ca 370.602	87933b	ppb	44.15	0.1	321147
Cd 226.502	11.4698b	ppb	0.3524	3.1	1180.06
Co 228.615	109.522b	ppb	0.6829	0.6	880.347
Cr 267.716	461.749b	ppb	0.7362	0.2	11889.2
Cu 324.754	3606.73b	ppb	4.1710	0.1	174620
Fe 271.441	314980b	ppb	191.079	0.1	279143
K 766.491	12108.2b	ppb	3.1014	0.0	1549827
Mg 279.078	10993.7b	ppb	12.5927	0.1	22603.3
Mn 257.610	7097.39b	ppb	8.7978	0.1	980847
Mo 202.032	28.2853b	ppb	1.2044	4.3	135.789
Na 330.237	1738.82b	ppb	10.2255	0.6	-37.9136
Ni 231.604	177.215b	ppb	0.2538	0.1	500.276
Pb 220.353	20636.9xb	ppb	11.9031	0.1	20417.2
Sb 206.834	814.001b	ppb	5.4680	0.7	695.487
Se 196.026	3.1319b	ppb	4.9030	156.5	14.9529
Sn 189.925	874.896b	ppb	4.5785	0.5	467.212
Sr 216.596	1062.92b	ppb	1.3385	0.1	7928.80
Ti 334.941	2403.27b	ppb	3.4583	0.1	844063
Tl 190.794	-1.4082b	ppb	7.9024	561.2	-20.0598
V 292.401	545.002b	ppb	0.3395	0.1	17688.0
Zn 206.200	4849.64b	ppb	5.3223	0.1	9797.58

680-104968-b-17-a (Samp) **9/11/2014, 4:05:16 AM** **Rack 4, Tube 35**

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

Label	Replicates Concentration		
Ag 328.068	-3.9273u	-4.3897u	-4.6356u
Al 308.215	130821	130901	130703
As 188.980	302.438	312.008	304.496
B 249.678	12.3545u	12.4548u	13.6203u
Ba 389.178	3503.62	3506.29	3502.85

Label	Replicates Concentration		
Be 313.042	19.9348	19.9649	19.9626
Ca 370.602	13144	13162	13149
Cd 226.502	5.6152	5.8623	6.5284
Co 228.615	345.835	347.391	341.909
Cr 267.716	1568.63	1569.89	1568.72
Cu 324.754	302.719	305.056	304.467
Fe 271.441	791938	793153	794542
K 766.491	3026.16	3023.90	3024.73
Mg 279.078	4781.11	4764.75	4770.32
Mn 257.610	38524.5x	38902.0x	38680.2x
Mo 202.032	44.5058	45.8925	45.7805
Na 330.237	1130.56u	1055.71u	1007.56u
Ni 231.604	122.473	124.032	122.783
Pb 220.353	2111.74	2112.09	2118.27
Sb 206.834	75.2928	66.4978	73.8717
Se 196.026	-2.6877	-6.6701	-3.7387
Sn 189.925	65.6897	62.2314	59.3653
Sr 216.596	152.594	154.650	154.358
Ti 334.941	1423.07	1423.97	1423.34
Tl 190.794	10.8586u	2.4325u	10.8329u
V 292.401	1482.99	1484.16	1483.42
Zn 206.200	854.518	851.699	854.546

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-4.3176b	ppb	0.3596	8.3	-160.701
Al 308.215	130808b	ppb	99.8224	0.1	741578
As 188.980	306.314b	ppb	5.0376	1.6	135.660
B 249.678	12.8099b	ppb	0.7037	5.5	-333.936
Ba 389.178	3504.25b	ppb	1.8061	0.1	75074.3
Be 313.042	19.9541b	ppb	0.0168	0.1	44283.5
Ca 370.602	13152b	ppb	9.008	0.1	37661
Cd 226.502	6.0020b	ppb	0.4724	7.9	2281.86
Co 228.615	345.045b	ppb	2.8248	0.8	2693.76
Cr 267.716	1569.08b	ppb	0.7063	0.0	40391.5
Cu 324.754	304.081b	ppb	1.2153	0.4	14882.7
Fe 271.441	793211b	ppb	1302.63	0.2	702933
K 766.491	3024.93b	ppb	1.1418	0.0	388486
Mg 279.078	4772.06b	ppb	8.3185	0.2	8482.80
Mn 257.610	38702.2xb	ppb	189.719	0.5	5346022
Mo 202.032	45.3930b	ppb	0.7703	1.7	189.781
Na 330.237	1064.61b	ppb	61.9816	5.8	-270.920
Ni 231.604	123.096b	ppb	0.8251	0.7	369.225
Pb 220.353	2114.03b	ppb	3.6750	0.2	2078.22
Sb 206.834	71.8874b	ppb	4.7213	6.6	75.1785
Se 196.026	-4.3655b	ppb	2.0639	47.3	22.9005
Sn 189.925	62.4288b	ppb	3.1668	5.1	28.4459
Sr 216.596	153.867b	ppb	1.1125	0.7	1665.53
Ti 334.941	1423.46b	ppb	0.4631	0.0	499996
Tl 190.794	8.0414b	ppb	4.8574	60.4	-30.0742
V 292.401	1483.52b	ppb	0.5929	0.0	48038.1
Zn 206.200	853.588b	ppb	1.6358	0.2	1738.87

680-104968-b-18-a (Samp) **9/11/2014, 4:09:47 AM** **Rack 4, Tube 36**

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

Label	Replicates Concentration		
Ag 328.068	-0.9177u	-1.5104u	-1.1662u
Al 308.215	147120	147153	147398
As 188.980	160.548	163.508	164.462
B 249.678	14.6947u	14.5893u	14.3240u
Ba 389.178	542.743	541.036	541.495
Be 313.042	12.5307	12.5255	12.5822
Ca 370.602	13966	13977	13961
Cd 226.502	-0.0211	0.2338	0.0308
Co 228.615	84.6232	86.7061	86.8403
Cr 267.716	918.051	918.156	919.083
Cu 324.754	125.331	125.114	125.611
Fe 271.441	500414	500744	500661
K 766.491	4597.79	4588.97	4596.36
Mg 279.078	7183.54	7174.36	7182.65
Mn 257.610	5532.67	5538.55	5544.00
Mo 202.032	8.6084	7.6785u	7.8506
Na 330.237	846.823u	654.751u	942.443u
Ni 231.604	73.8767	74.2378	73.9548
Pb 220.353	649.885	662.143	660.520
Sb 206.834	27.4563	26.6829	27.8480
Se 196.026	-8.3202	-24.0400u	-2.9283
Sn 189.925	48.7830	50.1749	49.6096
Sr 216.596	135.285	137.511	136.006
Ti 334.941	1165.30	1165.04	1165.35
Tl 190.794	5.5486u	2.8373u	7.0574u
V 292.401	903.485	903.689	903.516
Zn 206.200	464.064	464.585	465.043

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-1.1981	ppb	0.2976	24.8	-95.2668
Al 308.215	147224	ppb	152.037	0.1	834558
As 188.980	162.839	ppb	2.0408	1.3	69.0894
B 249.678	14.5360	ppb	0.1910	1.3	-109.285
Ba 389.178	541.758	ppb	0.8838	0.2	12305.6
Be 313.042	12.5461	ppb	0.0313	0.2	26714.7
Ca 370.602	13968	ppb	8.170	0.1	44772
Cd 226.502	0.0812	ppb	0.1347	166.0	1340.08
Co 228.615	86.0565	ppb	1.2431	1.4	691.015
Cr 267.716	918.430	ppb	0.5683	0.1	23644.3
Cu 324.754	125.352	ppb	0.2495	0.2	6244.38
Fe 271.441	500606	ppb	171.682	0.0	443629
K 766.491	4594.38	ppb	4.7350	0.1	589147
Mg 279.078	7180.18	ppb	5.0645	0.1	14165.7
Mn 257.610	5538.40	ppb	5.6667	0.1	765971
Mo 202.032	8.0458	ppb	0.4947	6.1	7.8832
Na 330.237	814.672	ppb	146.516	18.0	-146.070
Ni 231.604	74.0231	ppb	0.1900	0.3	224.194
Pb 220.353	657.516	ppb	6.6581	1.0	638.963
Sb 206.834	27.3291	ppb	0.5929	2.2	33.8969
Se 196.026	-11.7628	ppb	10.9688	93.2	11.7700

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Sn 189.925	49.5225	ppb	0.7001	1.4	21.4764
Sr 216.596	136.268	ppb	1.1360	0.8	1337.46
Ti 334.941	1165.23	ppb	0.1681	0.0	409264
Tl 190.794	5.1478	ppb	2.1384	41.5	-25.0998
V 292.401	903.564	ppb	0.1099	0.0	29277.8
Zn 206.200	464.564	ppb	0.4901	0.1	948.591

Cont Calib Verif (CCV) **9/11/2014, 4:14:18 AM** **Rack 4, Tube 37**

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

Label	Replicates Concentration		
Ag 328.068	502.488	501.960	503.656
Al 308.215	4893.18	4901.18	4928.96
As 188.980	467.261	480.209	478.830
B 249.678	499.241	500.225	505.493
Ba 389.178	4892.52	4903.96	4937.10
Be 313.042	489.087	492.937	494.607
Ca 370.602	4909	4917	4951
Cd 226.502	487.219	488.309	489.535
Co 228.615	488.449	489.304	491.664
Cr 267.716	4896.37	4909.31	4937.65
Cu 324.754	4963.45	4919.86	4930.82
Fe 271.441	4931.05	4914.69	4914.55
K 766.491	10046.4	10030.1	10095.8
Mg 279.078	4917.35	4909.32	4945.98
Mn 257.610	4996.34	4989.76	5023.50
Mo 202.032	488.848	487.980	494.503
Na 330.237	7061.91	7071.68	7121.56
Ni 231.604	2470.63	2478.59	2491.23
Pb 220.353	489.734	491.600	489.986
Sb 206.834	928.262	941.838	941.082
Se 196.026	4904.58	4863.56	4942.28
Sn 189.925	4869.43	4844.48	4883.02
Sr 216.596	2442.65	2446.62	2455.07
Ti 334.941	483.506	484.172	487.459
Tl 190.794	5006.03	5025.50	5049.72
V 292.401	4893.29	4894.57	4927.16
Zn 206.200	2445.98	2451.82	2466.49

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Ag 328.068	502.701	ppb	0.8677	0.2	24126.1	100.54025
Al 308.215	4907.78	ppb	18.7815	0.4	28430.1	98.15551
As 188.980	475.433	ppb	7.1110	1.5	222.455	95.08662
B 249.678	501.653	ppb	3.3615	0.7	6901.51	100.33060
Ba 389.178	4911.19	ppb	23.1536	0.5	103182	98.22380
Be 313.042	492.210	ppb	2.8309	0.6	1155281	98.44203
Ca 370.602	4925	ppb	22.65	0.5	18243	98.50924
Cd 226.502	488.354	ppb	1.1583	0.2	14306.4	97.67085
Co 228.615	489.805	ppb	1.6652	0.3	3744.12	97.96107
Cr 267.716	4914.44	ppb	21.1147	0.4	126494	98.28884
Cu 324.754	4938.04	ppb	22.6704	0.5	239105	98.76089
Fe 271.441	4920.10	ppb	9.4848	0.2	4430.69	98.40192

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
K 766.491	10057.4	ppb	34.2067	0.3	1287625	100.57426
Mg 279.078	4924.21	ppb	19.2687	0.4	10414.5	98.48428
Mn 257.610	5003.20	ppb	17.8854	0.4	690948	100.06400
Mo 202.032	490.443	ppb	3.5420	0.7	2717.45	98.08868
Na 330.237	7085.05	ppb	31.9961	0.5	460.455	94.46732
Ni 231.604	2480.15	ppb	10.3862	0.4	6801.35	99.20605
Pb 220.353	490.440	ppb	1.0123	0.2	486.618	98.08794
Sb 206.834	937.060	ppb	7.6294	0.8	820.111	93.70605
Se 196.026	4903.47	ppb	39.3742	0.8	1697.55	98.06945
Sn 189.925	4865.64	ppb	19.5471	0.4	2622.38	97.31288
Sr 216.596	2448.11	ppb	6.3415	0.3	17646.6	97.92455
Ti 334.941	485.046	ppb	2.1166	0.4	170287	97.00911
Tl 190.794	5027.08	ppb	21.8884	0.4	2494.66	100.54166
V 292.401	4905.01	ppb	19.1985	0.4	157590	98.10014
Zn 206.200	2454.76	ppb	10.5663	0.4	4945.24	98.19042

Cont Calib Blank (CCB) **9/11/2014, 4:18:49 AM** **Rack 4, Tube 38**

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

Label	Replicates Concentration		
Ag 328.068	0.0249	-0.0909u	-0.0920u
Al 308.215	7.5135	6.2897	7.4398
As 188.980	1.7112	5.8204	1.4170
B 249.678	4.7068	5.4183	4.2158
Ba 389.178	0.0206	-0.1992u	0.2199
Be 313.042	-0.0451u	-0.0797u	-0.0759u
Ca 370.602	5.363	1.694	0.9355
Cd 226.502	-0.0452u	-0.1012u	-0.0276u
Co 228.615	-0.3913u	0.3026	-0.2306u
Cr 267.716	0.1635	0.3115	0.3438
Cu 324.754	0.4939	-0.0473u	0.2667
Fe 271.441	6.1055	9.2032	6.7814
K 766.491	-0.1728u	-0.2809u	-0.5148u
Mg 279.078	2.3948	1.7057	3.7446
Mn 257.610	0.1753	0.1155	0.0739
Mo 202.032	0.6732	0.4905	0.6325
Na 330.237	-268.047u	62.7106	115.419
Ni 231.604	0.3670	1.1417	0.7092
Pb 220.353	1.2370	1.2562	2.9715
Sb 206.834	2.8448	9.2118	4.7362
Se 196.026	1.0331	5.6128	2.5477
Sn 189.925	7.5963	-1.5917u	5.2752
Sr 216.596	0.4522	-0.1867u	0.1357
Ti 334.941	0.1311	0.2141	0.1418
Tl 190.794	7.8310	-2.4880u	-7.0688u
V 292.401	0.6333	0.5834	0.7043
Zn 206.200	-0.3747u	-0.4061u	-1.3084u

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Ag 328.068	-0.0527	ppb	0.0672	127.6	-12.0989	-0.05265
Al 308.215	7.0810	ppb	0.6862	9.7	380.794	7.08101
As 188.980	2.9829	ppb	2.4618	82.5	-3.7973	2.98287

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Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
B 249.678	4.7803	ppb	0.6046	12.6	103.307	4.78029
Ba 389.178	0.0138	ppb	0.2097	1524.1	-19.9589	0.01376
Be 313.042	-0.0669	ppb	0.0189	28.3	-3228.73	-0.06689
Ca 370.602	2.664	ppb	2.368	88.9	6.785	2.66411
Cd 226.502	-0.0580	ppb	0.0384	66.3	16.8343	-0.05797
Co 228.615	-0.1064	ppb	0.3632	341.3	-10.5797	-0.10643
Cr 267.716	0.2729	ppb	0.0961	35.2	11.7620	0.27294
Cu 324.754	0.2377	ppb	0.2718	114.3	236.993	0.23775
Fe 271.441	7.3634	ppb	1.6288	22.1	27.2163	7.36339
K 766.491	-0.3228	ppb	0.1748	54.1	1692.89	-0.32282
Mg 279.078	2.6150	ppb	1.0372	39.7	29.5750	2.61500
Mn 257.610	0.1215	ppb	0.0510	41.9	60.1993	0.12154
Mo 202.032	0.5987	ppb	0.0959	16.0	9.1647	0.59871
Na 330.237	-29.9724	ppb	207.856	693.5	54.6300	-29.97242
Ni 231.604	0.7393	ppb	0.3882	52.5	5.2008	0.73930
Pb 220.353	1.8216	ppb	0.9959	54.7	1.4689	1.82157
Sb 206.834	5.5976	ppb	3.2697	58.4	9.6406	5.59759
Se 196.026	3.0645	ppb	2.3332	76.1	9.2337	3.06453
Sn 189.925	3.7599	ppb	4.7777	127.1	-3.2365	3.75994
Sr 216.596	0.1337	ppb	0.3195	238.9	3.1729	0.13375
Ti 334.941	0.1623	ppb	0.0452	27.8	-23.1232	0.16233
Tl 190.794	-0.5753	ppb	7.6319	1326.6	-7.3303	-0.57529
V 292.401	0.6404	ppb	0.0608	9.5	22.7686	0.64037
Zn 206.200	-0.6964	ppb	0.5302	76.1	0.3660	-0.69641

680-104968-b-19-a (Samp) **9/11/2014, 4:23:21 AM** **Rack 4, Tube 39**

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

Label	Replicates Concentration		
Ag 328.068	-1.8271u	-1.6204u	-2.6473u
Al 308.215	183192	183293	183253
As 188.980	167.796	179.545	177.990
B 249.678	16.4829u	16.9336u	16.4929u
Ba 389.178	626.760	627.309	628.738
Be 313.042	14.7806	14.7939	14.7815
Ca 370.602	14458	14489	14464
Cd 226.502	-0.2314	0.7921	0.8140
Co 228.615	139.104	137.269	138.431
Cr 267.716	909.501	909.140	911.250
Cu 324.754	114.456	114.374	113.944
Fe 271.441	553999	554215	554256
K 766.491	5498.73	5492.06	5499.96
Mg 279.078	9054.18	9050.23	9059.87
Mn 257.610	9031.71	9018.60	9002.47
Mo 202.032	8.8782	9.7917	8.4546u
Na 330.237	916.354u	1031.35u	1199.09u
Ni 231.604	98.2378	97.6176	96.7628
Pb 220.353	479.985	473.123	471.000
Sb 206.834	19.9829	20.7188	12.8031
Se 196.026	3.1051	1.0811	-1.8631
Sn 189.925	35.0822	34.5270	37.9739
Sr 216.596	130.369	129.784	131.656

Label	Replicates Concentration		
Ti 334.941	1258.16	1259.32	1259.03
Tl 190.794	1.5245u	-1.7800u	-5.5661u
V 292.401	972.088	971.511	971.506
Zn 206.200	470.524	466.778	468.767

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-2.0316	ppb	0.5431	26.7	-128.611
Al 308.215	183246	ppb	50.7254	0.0	1038664
As 188.980	175.111	ppb	6.3818	3.6	74.5742
B 249.678	16.6365	ppb	0.2574	1.5	-117.768
Ba 389.178	627.602	ppb	1.0214	0.2	14212.9
Be 313.042	14.7853	ppb	0.0074	0.0	32001.8
Ca 370.602	14470	ppb	16.80	0.1	45887
Cd 226.502	0.4582	ppb	0.5974	130.4	1492.31
Co 228.615	138.268	ppb	0.9286	0.7	1095.27
Cr 267.716	909.964	ppb	1.1286	0.1	23425.9
Cu 324.754	114.258	ppb	0.2750	0.2	5704.50
Fe 271.441	554157	ppb	137.965	0.0	491086
K 766.491	5496.91	ppb	4.2485	0.1	704542
Mg 279.078	9054.76	ppb	4.8454	0.1	18015.5
Mn 257.610	9017.59	ppb	14.6468	0.2	1246524
Mo 202.032	9.0415	ppb	0.6833	7.6	8.8575
Na 330.237	1048.93	ppb	142.185	13.6	-158.351
Ni 231.604	97.5394	ppb	0.7406	0.8	290.599
Pb 220.353	474.702	ppb	4.6965	1.0	455.890
Sb 206.834	17.8350	ppb	4.3732	24.5	25.8168
Se 196.026	0.7744	ppb	2.4983	322.6	17.3029
Sn 189.925	35.8610	ppb	1.8508	5.2	14.0986
Sr 216.596	130.603	ppb	0.9576	0.7	1333.04
Ti 334.941	1258.84	ppb	0.6024	0.0	442154
Tl 190.794	-1.9405	ppb	3.5480	182.8	-30.5716
V 292.401	971.702	ppb	0.3342	0.0	31497.3
Zn 206.200	468.690	ppb	1.8746	0.4	958.145

680-104968-b-20-a (Samp) **9/11/2014, 4:27:52 AM** **Rack 4, Tube 40**

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

Label	Replicates Concentration		
Ag 328.068	3.0901	3.3683	3.1960
Al 308.215	163503	163042	163208
As 188.980	226.220	228.611	244.347
B 249.678	79.7629	79.0986	79.9681
Ba 389.178	2516.63	2514.34	2508.66
Be 313.042	25.6268	25.6116	25.5750
Ca 370.602	207300	208511	206142
Cd 226.502	17.4359	16.9377	16.7212
Co 228.615	173.716	173.642	172.582
Cr 267.716	393.873	393.996	391.495
Cu 324.754	558.700	557.219	556.667
Fe 271.441	475459	475409	473925
K 766.491	20260.1	20239.9	20229.6
Mg 279.078	46792.6	46715.9	46660.5

Label	Replicates Concentration		
Mn 257.610	34462.2x	34952.1x	34570.1x
Mo 202.032	25.1148	24.4573	24.3802
Na 330.237	1852.48u	1763.75u	1819.89u
Ni 231.604	164.824	167.710	166.762
Pb 220.353	2421.71	2411.56	2396.69
Sb 206.834	16.1244	18.8789	11.3129
Se 196.026	-10.0149	9.6342	14.7209
Sn 189.925	155.701	146.994	142.392
Sr 216.596	471.278	468.371	467.053
Ti 334.941	1595.48	1597.18	1591.44
Tl 190.794	2.8098u	-6.9205u	4.0115u
V 292.401	379.019	378.834	377.316
Zn 206.200	7188.26	7196.10	7145.95

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	3.2181b	ppb	0.1404	4.4	214.276
Al 308.215	163251b	ppb	233.184	0.1	925342
As 188.980	233.059b	ppb	9.8477	4.2	102.897
B 249.678	79.6099b	ppb	0.4545	0.6	797.449
Ba 389.178	2513.21b	ppb	4.1067	0.2	53771.4
Be 313.042	25.6044b	ppb	0.0266	0.1	57310.4
Ca 370.602	207318b	ppb	1185	0.6	760027
Cd 226.502	17.0316b	ppb	0.3665	2.2	1768.05
Co 228.615	173.313b	ppb	0.6344	0.4	1365.06
Cr 267.716	393.121b	ppb	1.4097	0.4	10123.9
Cu 324.754	557.529b	ppb	1.0512	0.2	26970.9
Fe 271.441	474931b	ppb	871.411	0.2	420882
K 766.491	20243.2b	ppb	15.5298	0.1	2589926
Mg 279.078	46723.0b	ppb	66.3117	0.1	97738.2
Mn 257.610	34661.5xb	ppb	257.410	0.7	4787590
Mo 202.032	24.6508b	ppb	0.4037	1.6	102.178
Na 330.237	1812.04b	ppb	44.8839	2.5	-101.701
Ni 231.604	166.432b	ppb	1.4710	0.9	476.566
Pb 220.353	2409.99b	ppb	12.5854	0.5	2372.74
Sb 206.834	15.4387b	ppb	3.8293	24.8	20.1979
Se 196.026	4.7800b	ppb	13.0628	273.3	22.1749
Sn 189.925	148.362b	ppb	6.7597	4.6	74.8546
Sr 216.596	468.901b	ppb	2.1615	0.5	3766.48
Ti 334.941	1594.70b	ppb	2.9471	0.2	560182
Tl 190.794	-0.0331b	ppb	5.9949	18129.7	-22.5629
V 292.401	378.390b	ppb	0.9344	0.2	12384.0
Zn 206.200	7176.77b	ppb	26.9747	0.4	14499.1

680-104968-b-21-a (Samp) **9/11/2014, 4:32:24 AM** **Rack 4, Tube 41**

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

Label	Replicates Concentration		
Ag 328.068	0.0197	0.4933	0.1415
Al 308.215	169228	173120	170453
As 188.980	387.962	397.767	368.331
B 249.678	73.8133	74.9571	75.1137
Ba 389.178	2355.68	2412.46	2372.50

Label	Replicates Concentration		
Be 313.042	26.1259	26.6960	26.3332
Ca 370.602	158626	162201	159460
Cd 226.502	14.7431	17.9614	16.6628
Co 228.615	193.368	195.028	193.609
Cr 267.716	628.706	641.143	631.743
Cu 324.754	1078.60	1097.06	1095.07
Fe 271.441	876273	896858	885399
K 766.491	16751.6	17088.5	16889.1
Mg 279.078	32449.9	33122.7	32635.8
Mn 257.610	25795.1	26355.9	26152.7
Mo 202.032	84.0823	87.0757	84.4918
Na 330.237	1975.61u	2086.87u	2384.89u
Ni 231.604	283.927	291.300	289.108
Pb 220.353	951.111	961.424	954.388
Sb 206.834	14.8925	19.9249	24.7550
Se 196.026	-33.9117	-19.9214	-9.7392
Sn 189.925	4698.32	4801.46	4706.58
Sr 216.596	461.944	471.280	466.138
Ti 334.941	1387.77	1417.93	1397.67
Tl 190.794	1.9195u	11.2926u	-5.0542u
V 292.401	539.986	550.933	544.387
Zn 206.200	3992.55	4082.25	4012.03

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	0.2182	ppb	0.2460	112.7	2.7842
Al 308.215	170934	ppb	1990.30	1.2	968884
As 188.980	384.687	ppb	14.9889	3.9	172.530
B 249.678	74.6280	ppb	0.7099	1.0	447.338
Ba 389.178	2380.21	ppb	29.1628	1.2	51697.0
Be 313.042	26.3850	ppb	0.2886	1.1	59173.8
Ca 370.602	160096	ppb	1870	1.2	579605
Cd 226.502	16.4558	ppb	1.6191	9.8	2826.10
Co 228.615	194.001	ppb	0.8969	0.5	1538.69
Cr 267.716	633.864	ppb	6.4837	1.0	16320.9
Cu 324.754	1090.24	ppb	10.1314	0.9	52799.5
Fe 271.441	886176	ppb	10314.6	1.2	785298
K 766.491	16909.7	ppb	169.364	1.0	2163725
Mg 279.078	32736.1	ppb	347.411	1.1	67361.6
Mn 257.610	26101.3	ppb	283.922	1.1	3606386
Mo 202.032	85.2166	ppb	1.6230	1.9	402.982
Na 330.237	2149.12	ppb	211.626	9.8	-257.083
Ni 231.604	288.112	ppb	3.7861	1.3	824.809
Pb 220.353	955.641	ppb	5.2695	0.6	928.553
Sb 206.834	19.8575	ppb	4.9316	24.8	24.5479
Se 196.026	-21.1907	ppb	12.1361	57.3	17.3238
Sn 189.925	4735.46	ppb	57.3093	1.2	2552.07
Sr 216.596	466.454	ppb	4.6762	1.0	4017.60
Ti 334.941	1401.13	ppb	15.3737	1.1	492226
Tl 190.794	2.7193	ppb	8.2027	301.6	-39.5316
V 292.401	545.102	ppb	5.5086	1.0	17896.2
Zn 206.200	4028.94	ppb	47.1805	1.2	8153.23

X (Samp) **9/11/2014, 4:36:55 AM** **Rack 4, Tube 42**

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

Label	Replicates Concentration		
Ag 328.068	11.0071	10.6535	10.4865
Al 308.215	333.864	359.484	419.886
As 188.980	25.5871	22.0798	22.1517
B 249.678	100.753	100.599	100.881
Ba 389.178	11.6689	11.9359	13.7457
Be 313.042	4.0333	4.0045	4.0318
Ca 370.602	646.2	673.6	738.3
Cd 226.502	4.7974	5.0531	4.9167
Co 228.615	10.6164	11.0884	9.7268
Cr 267.716	10.6338	10.6305	11.1043
Cu 324.754	21.5491	21.7815	22.1094
Fe 271.441	783.877	931.099	1239.71
K 766.491	1056.62	1057.86	1067.46
Mg 279.078	536.840	534.654	553.180
Mn 257.610	35.8109	41.7182	52.5551
Mo 202.032	10.1702	10.8527	9.7492
Na 330.237	1075.41	1212.16	1110.19
Ni 231.604	41.0974	40.4442	40.6506
Pb 220.353	9.9527	11.0790	12.1162
Sb 206.834	17.9777	16.0322	21.1339
Se 196.026	14.5205	20.0761	5.3997
Sn 189.925	58.0725	58.4837	61.9459
Sr 216.596	10.2692	10.7126	10.3876
Ti 334.941	11.6824	11.8830	12.3184
Tl 190.794	25.7773	26.1181	23.5566
V 292.401	10.8293	10.4366	10.9197
Zn 206.200	25.2315	25.0030	27.3992

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	10.7157	ppb	0.2658	2.5	504.348
Al 308.215	371.078	ppb	44.1677	11.9	2444.32
As 188.980	23.2729	ppb	2.0045	8.6	5.9112
B 249.678	100.744	ppb	0.1410	0.1	1414.03
Ba 389.178	12.4502	ppb	1.1299	9.1	244.506
Be 313.042	4.0232	ppb	0.0162	0.4	6386.72
Ca 370.602	686.1	ppb	47.31	6.9	2522
Cd 226.502	4.9224	ppb	0.1279	2.6	165.001
Co 228.615	10.4772	ppb	0.6914	6.6	70.6130
Cr 267.716	10.7895	ppb	0.2726	2.5	282.456
Cu 324.754	21.8133	ppb	0.2815	1.3	1280.21
Fe 271.441	984.897	ppb	232.631	23.6	894.165
K 766.491	1060.65	ppb	5.9349	0.6	137343
Mg 279.078	541.558	ppb	10.1246	1.9	1165.89
Mn 257.610	43.3614	ppb	8.4922	19.6	6036.22
Mo 202.032	10.2574	ppb	0.5569	5.4	62.5302
Na 330.237	1132.59	ppb	71.0726	6.3	123.061
Ni 231.604	40.7307	ppb	0.3339	0.8	114.851
Pb 220.353	11.0493	ppb	1.0821	9.8	10.5676
Sb 206.834	18.3812	ppb	2.5747	14.0	20.3504
Se 196.026	13.3321	ppb	7.4100	55.6	12.7923

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Sn 189.925	59.5007	ppb	2.1275	3.6	26.8660
Sr 216.596	10.4565	ppb	0.2296	2.2	77.3604
Ti 334.941	11.9613	ppb	0.3252	2.7	4122.07
Tl 190.794	25.1507	ppb	1.3910	5.5	5.4272
V 292.401	10.7285	ppb	0.2568	2.4	345.313
Zn 206.200	25.8779	ppb	1.3224	5.1	54.0074

CRI (Samp) **9/11/2014, 4:41:27 AM** **Rack 4, Tube 43**

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

Label	Replicates Concentration		
Ag 328.068	10.3487	10.7923	10.6317
Al 308.215	222.163	219.677	245.607
As 188.980	20.5935	23.0525	24.7604
B 249.678	101.892	101.948	101.390
Ba 389.178	10.1006	9.7378	10.9158
Be 313.042	4.0115	3.9862	3.9825
Ca 370.602	519.2	522.2	539.5
Cd 226.502	4.8109	5.0296	4.8899
Co 228.615	9.8440	10.4906	10.3776
Cr 267.716	10.4818	9.6978	10.3491
Cu 324.754	20.9650	20.6704	21.3495
Fe 271.441	119.755	126.096	230.602
K 766.491	1050.37	1045.48	1046.91
Mg 279.078	503.919	513.521	510.108
Mn 257.610	12.8736	13.1645	17.1158
Mo 202.032	9.8606	9.8323	9.2971
Na 330.237	1096.31	1017.32	1261.19
Ni 231.604	41.6238	41.8072	40.4709
Pb 220.353	8.6923	9.2567	7.7602
Sb 206.834	20.4818	20.2514	22.6043
Se 196.026	14.9715	11.9209	21.0637
Sn 189.925	53.6081	49.8151	55.6062
Sr 216.596	9.8549	9.7883	9.5498
Ti 334.941	10.3012	10.3190	10.4672
Tl 190.794	25.8022	20.3976	27.4177
V 292.401	10.2170	10.2628	10.4180
Zn 206.200	20.9799	19.2443	23.2321

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	10.5909	ppb	0.2246	2.1	498.349
Al 308.215	229.149	ppb	14.3071	6.2	1640.10
As 188.980	22.8021	ppb	2.0947	9.2	5.6917
B 249.678	101.743	ppb	0.3075	0.3	1428.29
Ba 389.178	10.2514	ppb	0.6033	5.9	196.709
Be 313.042	3.9934	ppb	0.0158	0.4	6316.46
Ca 370.602	527.0	ppb	10.97	2.1	1945
Cd 226.502	4.9102	ppb	0.1107	2.3	162.472
Co 228.615	10.2374	ppb	0.3454	3.4	68.7215
Cr 267.716	10.1762	ppb	0.4196	4.1	266.667
Cu 324.754	20.9950	ppb	0.3405	1.6	1240.78
Fe 271.441	158.818	ppb	62.2477	39.2	162.148

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
K 766.491	1047.59	ppb	2.5117	0.2	135673
Mg 279.078	509.182	ppb	4.8674	1.0	1099.19
Mn 257.610	14.3846	ppb	2.3697	16.5	2032.94
Mo 202.032	9.6633	ppb	0.3175	3.3	59.3122
Na 330.237	1124.94	ppb	124.432	11.1	123.026
Ni 231.604	41.3006	ppb	0.7244	1.8	116.384
Pb 220.353	8.5697	ppb	0.7558	8.8	8.1289
Sb 206.834	21.1125	ppb	1.2970	6.1	22.6635
Se 196.026	15.9854	ppb	4.6550	29.1	13.6900
Sn 189.925	53.0098	ppb	2.9415	5.5	23.3607
Sr 216.596	9.7310	ppb	0.1604	1.6	71.4963
Ti 334.941	10.3625	ppb	0.0911	0.9	3560.36
Tl 190.794	24.5392	ppb	3.6765	15.0	5.1543
V 292.401	10.2992	ppb	0.1054	1.0	331.270
Zn 206.200	21.1521	ppb	1.9995	9.5	44.4503

Cont Calib Verif (CCV) **9/11/2014, 4:45:58 AM** **Rack 4, Tube 49**

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

Label	Replicates Concentration		
Ag 328.068	498.963	498.946	501.145
Al 308.215	4863.83	4861.19	4899.84
As 188.980	472.949	476.503	477.141
B 249.678	497.288	500.922	504.013
Ba 389.178	4884.34	4889.37	4905.40
Be 313.042	489.374	489.060	490.630
Ca 370.602	4907	4909	4938
Cd 226.502	484.715	484.917	486.018
Co 228.615	488.858	487.046	487.915
Cr 267.716	4885.75	4890.75	4907.55
Cu 324.754	4938.95	4889.10	4905.56
Fe 271.441	4868.50	4866.81	4918.80
K 766.491	9980.75	9992.08	10026.7
Mg 279.078	4898.56	4895.93	4925.07
Mn 257.610	4964.08	4978.31	5001.64
Mo 202.032	487.361	486.330	491.050
Na 330.237	6783.80	7164.00	7083.91
Ni 231.604	2463.61	2469.20	2466.62
Pb 220.353	489.915	495.144	489.143
Sb 206.834	929.850	920.908	929.528
Se 196.026	4832.34	4860.81	4888.62
Sn 189.925	4825.67	4831.11	4860.26
Sr 216.596	2430.09	2435.92	2445.82
Ti 334.941	482.227	482.538	484.297
Tl 190.794	5005.58	4988.18	5017.75
V 292.401	4875.93	4880.18	4893.70
Zn 206.200	2439.93	2446.95	2447.93

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Ag 328.068	499.685	ppb	1.2649	0.3	23981.3	99.93695
Al 308.215	4874.95	ppb	21.5941	0.4	28242.8	97.49907
As 188.980	475.531	ppb	2.2587	0.5	222.502	95.10625

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
B 249.678	500.741	ppb	3.3664	0.7	6888.94	100.14824
Ba 389.178	4893.03	ppb	10.9977	0.2	102801	97.86069
Be 313.042	489.688	ppb	0.8311	0.2	1149347	97.93761
Ca 370.602	4918	ppb	17.23	0.4	18216	98.36565
Cd 226.502	485.217	ppb	0.7013	0.1	14214.5	97.04332
Co 228.615	487.940	ppb	0.9065	0.2	3729.83	97.58792
Cr 267.716	4894.68	ppb	11.4201	0.2	125985	97.89368
Cu 324.754	4911.20	ppb	25.3996	0.5	237807	98.22404
Fe 271.441	4884.70	ppb	29.5396	0.6	4399.10	97.69405
K 766.491	9999.85	ppb	23.9453	0.2	1280264	99.99850
Mg 279.078	4906.52	ppb	16.1182	0.3	10377.3	98.13043
Mn 257.610	4981.34	ppb	18.9594	0.4	687930	99.62685
Mo 202.032	488.247	ppb	2.4814	0.5	2705.31	97.64938
Na 330.237	7010.57	ppb	200.432	2.9	456.109	93.47426
Ni 231.604	2466.48	ppb	2.7974	0.1	6763.87	98.65913
Pb 220.353	491.401	ppb	3.2643	0.7	487.564	98.28017
Sb 206.834	926.762	ppb	5.0720	0.5	811.315	92.67621
Se 196.026	4860.59	ppb	28.1403	0.6	1682.78	97.21185
Sn 189.925	4839.02	ppb	18.5986	0.4	2608.00	96.78030
Sr 216.596	2437.28	ppb	7.9491	0.3	17568.5	97.49104
Ti 334.941	483.021	ppb	1.1160	0.2	169575	96.60413
Tl 190.794	5003.84	ppb	14.8607	0.3	2483.09	100.07676
V 292.401	4883.27	ppb	9.2799	0.2	156891	97.66535
Zn 206.200	2444.94	ppb	4.3640	0.2	4925.46	97.79756

Cont Calib Blank (CCB) **9/11/2014, 4:50:29 AM** **Rack 4, Tube 50**

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

Label	Replicates	Concentration	
Ag 328.068	0.1855	-0.0075u	0.0775
Al 308.215	6.6951	10.0432	10.8110
As 188.980	9.5839	3.5097	1.2746
B 249.678	5.3321	4.7410	4.1667
Ba 389.178	1.2324	1.8347	0.4090
Be 313.042	0.0605	0.0449	0.0359
Ca 370.602	3.319	7.869	9.847
Cd 226.502	0.1441	0.0623	0.1082
Co 228.615	0.3053	-0.4338u	0.4259
Cr 267.716	1.3284	1.2584	1.0902
Cu 324.754	1.2958	1.8208	1.5376
Fe 271.441	18.6258	15.0473	15.6676
K 766.491	4.1481	4.3411	4.6735
Mg 279.078	2.6116	-1.7415u	5.5714
Mn 257.610	1.6667	1.8048	1.8676
Mo 202.032	2.1208	1.6238	1.0376
Na 330.237	-75.9249u	45.9399	-94.8435u
Ni 231.604	-0.0885u	0.8862	2.1856
Pb 220.353	-1.8698u	2.4631	2.6404
Sb 206.834	2.5815	1.4256	8.9939
Se 196.026	-3.5178u	-0.6641u	-0.0800u
Sn 189.925	3.8751	1.3216	1.0135
Sr 216.596	0.5282	0.1650	0.6016

Label	Replicates Concentration		
Ti 334.941	0.2997	0.3159	0.3039
Tl 190.794	4.1207	9.2503	6.8353
V 292.401	1.4929	1.5584	1.5230
Zn 206.200	1.7492	0.8127	-0.0772u

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Ag 328.068	0.0852	ppb	0.0967	113.5	-5.4831	0.08517
Al 308.215	9.1831	ppb	2.1886	23.8	392.817	9.18311
As 188.980	4.7894	ppb	4.2999	89.8	-2.9323	4.78938
B 249.678	4.7466	ppb	0.5827	12.3	102.852	4.74663
Ba 389.178	1.1587	ppb	0.7157	61.8	4.1208	1.15872
Be 313.042	0.0471	ppb	0.0125	26.5	-2960.65	0.04711
Ca 370.602	7.012	ppb	3.348	47.7	22.70	7.01164
Cd 226.502	0.1049	ppb	0.0410	39.1	21.6282	0.10487
Co 228.615	0.0991	ppb	0.4655	469.7	-9.0212	0.09909
Cr 267.716	1.2257	ppb	0.1224	10.0	36.2838	1.22566
Cu 324.754	1.5514	ppb	0.2628	16.9	300.561	1.55138
Fe 271.441	16.4469	ppb	1.9123	11.6	35.2933	16.44689
K 766.491	4.3876	ppb	0.2658	6.1	2295.13	4.38758
Mg 279.078	2.1472	ppb	3.6785	171.3	28.5604	2.14717
Mn 257.610	1.7797	ppb	0.1028	5.8	289.190	1.77969
Mo 202.032	1.5941	ppb	0.5422	34.0	14.6717	1.59408
Na 330.237	-41.6095	ppb	76.4078	183.6	53.9240	-41.60954
Ni 231.604	0.9944	ppb	1.1409	114.7	5.9007	0.99444
Pb 220.353	1.0779	ppb	2.5543	237.0	0.7321	1.07787
Sb 206.834	4.3337	ppb	4.0770	94.1	8.5606	4.33366
Se 196.026	-1.4206	ppb	1.8396	129.5	7.6896	-1.42061
Sn 189.925	2.0701	ppb	1.5708	75.9	-4.1490	2.07008
Sr 216.596	0.4316	ppb	0.2338	54.2	5.3184	0.43161
Ti 334.941	0.3065	ppb	0.0084	2.8	27.5131	0.30651
Tl 190.794	6.7354	ppb	2.5663	38.1	-3.6977	6.73542
V 292.401	1.5248	ppb	0.0328	2.1	50.9523	1.52476
Zn 206.200	0.8282	ppb	0.9133	110.3	3.4418	0.82821

Cont Calib Verif (CCV) **9/11/2014, 9:11:50 AM** **Rack 1, Tube 1**

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

Label	Replicates Concentration		
Ag 328.068	501.483	500.074	502.106
Al 308.215	4890.09	4883.59	4889.03
As 188.980	484.841	474.348	468.501
B 249.678	494.907	495.493	499.048
Ba 389.178	4935.83	4939.56	4945.58
Be 313.042	491.659	491.300	493.203
Ca 370.602	4961	4967	4972
Cd 226.502	484.269	485.177	485.445
Co 228.615	490.444	490.255	493.147
Cr 267.716	4939.02	4946.87	4953.52
Cu 324.754	4914.43	4831.45	4835.98
Fe 271.441	4824.91	4824.71	4847.52
K 766.491	9848.50	9798.38	9804.99
Mg 279.078	4937.35	4942.72	4937.10

Label	Replicates Concentration		
Mn 257.610	5000.57	5006.70	5004.19
Mo 202.032	491.683	495.410	496.161
Na 330.237	6767.65	6721.83	7048.74
Ni 231.604	2492.40	2490.47	2502.70
Pb 220.353	483.824	492.709	479.925
Sb 206.834	906.949	903.789	906.483
Se 196.026	4823.57	4787.84	4822.35
Sn 189.925	4900.87	4903.89	4927.66
Sr 216.596	2462.82	2465.68	2471.59
Ti 334.941	487.496	487.372	487.661
Tl 190.794	5060.86	5039.40	5115.44
V 292.401	4919.06	4910.64	4922.53
Zn 206.200	2468.36	2485.92	2496.06

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Ag 328.068	501.221	ppb	1.0411	0.2	24055.5	100.24414
Al 308.215	4887.57	ppb	3.4833	0.1	28318.2	97.75140
As 188.980	475.897	ppb	8.2796	1.7	222.678	95.17931
B 249.678	496.483	ppb	2.2413	0.5	6830.56	99.29652
Ba 389.178	4940.32	ppb	4.9179	0.1	103794	98.80650
Be 313.042	492.054	ppb	1.0110	0.2	1154927	98.41086
Ca 370.602	4967	ppb	5.453	0.1	18398	99.33441
Cd 226.502	484.964	ppb	0.6168	0.1	14207.3	96.99276
Co 228.615	491.282	ppb	1.6181	0.3	3755.50	98.25639
Cr 267.716	4946.47	ppb	7.2607	0.1	127318	98.92940
Cu 324.754	4860.62	ppb	46.6554	1.0	235358	97.21240
Fe 271.441	4832.38	ppb	13.1142	0.3	4353.22	96.64761
K 766.491	9817.29	ppb	27.2301	0.3	1256923	98.17292
Mg 279.078	4939.06	ppb	3.1726	0.1	10445.9	98.78118
Mn 257.610	5003.82	ppb	3.0816	0.1	691034	100.07638
Mo 202.032	494.418	ppb	2.3983	0.5	2739.43	98.88363
Na 330.237	6846.07	ppb	177.004	2.6	446.059	91.28096
Ni 231.604	2495.19	ppb	6.5731	0.3	6842.56	99.80751
Pb 220.353	485.486	ppb	6.5520	1.3	481.755	97.09721
Sb 206.834	905.740	ppb	1.7056	0.2	794.175	90.57404
Se 196.026	4811.25	ppb	20.2873	0.4	1665.80	96.22506
Sn 189.925	4910.81	ppb	14.6719	0.3	2646.77	98.21617
Sr 216.596	2466.70	ppb	4.4749	0.2	17781.1	98.66794
Ti 334.941	487.510	ppb	0.1450	0.0	171152	97.50191
Tl 190.794	5071.90	ppb	39.2037	0.8	2516.97	101.43799
V 292.401	4917.41	ppb	6.1140	0.1	157981	98.34814
Zn 206.200	2483.45	ppb	14.0143	0.6	5002.90	99.33787

Cont Calib Blank (CCB) **9/11/2014, 9:16:17 AM** **Rack 1, Tube 2**

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

Label	Replicates Concentration		
Ag 328.068	0.2728	-0.0334u	0.1864
Al 308.215	5.5250	4.7940	5.2466
As 188.980	-2.5730u	-1.6853u	-3.6502u
B 249.678	5.3684	4.7477	3.9565
Ba 389.178	-0.0438u	-0.1765u	-0.1376u

Label	Replicates Concentration		
Be 313.042	-0.0048u	-0.0209u	-0.0324u
Ca 370.602	3.734	4.105	4.296
Cd 226.502	0.1891	0.0351	-0.0500u
Co 228.615	0.1596	0.2592	0.3686
Cr 267.716	0.6228	0.5111	0.5802
Cu 324.754	0.3383	0.5364	0.0953
Fe 271.441	-7.9787u	-0.4287u	-4.3784u
K 766.491	2.5008	2.5661	2.6249
Mg 279.078	4.3915	5.5409	4.7242
Mn 257.610	0.4845	0.4712	0.4876
Mo 202.032	0.7736	0.8728	1.0161
Na 330.237	125.220	-98.8808u	-56.9481u
Ni 231.604	0.8474	2.5709	1.1683
Pb 220.353	1.9120	4.1169	-0.5634u
Sb 206.834	7.3890	3.3500	4.1500
Se 196.026	-5.4619u	-10.1170u	-2.5069u
Sn 189.925	6.0267	2.2077	-0.5440u
Sr 216.596	0.3620	0.2354	-0.1936u
Ti 334.941	0.1772	0.1414	0.1793
Tl 190.794	2.1322	0.6191	7.0195
V 292.401	1.1711	0.7584	0.7502
Zn 206.200	0.9899	-0.5221u	0.4261

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Ag 328.068	0.1419	ppb	0.1579	111.2	-2.7657	0.14191
Al 308.215	5.1885	ppb	0.3689	7.1	370.107	5.18853
As 188.980	-2.6362	ppb	0.9840	37.3	-6.4871	-2.63616
B 249.678	4.6909	ppb	0.7077	15.1	102.105	4.69090
Ba 389.178	-0.1193	ppb	0.0682	57.2	-22.7602	-0.11932
Be 313.042	-0.0194	ppb	0.0139	71.6	-3117.05	-0.01940
Ca 370.602	4.045	ppb	0.2858	7.1	11.99	4.04482
Cd 226.502	0.0581	ppb	0.1212	208.6	20.2065	0.05808
Co 228.615	0.2624	ppb	0.1045	39.8	-7.7576	0.26243
Cr 267.716	0.5714	ppb	0.0564	9.9	19.4427	0.57136
Cu 324.754	0.3233	ppb	0.2209	68.3	241.135	0.32334
Fe 271.441	-4.2619	ppb	3.7763	88.6	16.9190	-4.26194
K 766.491	2.5639	ppb	0.0621	2.4	2061.97	2.56393
Mg 279.078	4.8856	ppb	0.5914	12.1	34.3863	4.88556
Mn 257.610	0.4811	ppb	0.0087	1.8	109.845	0.48108
Mo 202.032	0.8875	ppb	0.1219	13.7	10.7635	0.88753
Na 330.237	-10.2028	ppb	119.139	1167.7	55.8072	-10.20285
Ni 231.604	1.5288	ppb	0.9166	60.0	7.3647	1.52885
Pb 220.353	1.8218	ppb	2.3414	128.5	1.4692	1.82181
Sb 206.834	4.9630	ppb	2.1387	43.1	9.1013	4.96301
Se 196.026	-6.0286	ppb	3.8366	63.6	6.1023	-6.02860
Sn 189.925	2.5635	ppb	3.2998	128.7	-3.8826	2.56347
Sr 216.596	0.1346	ppb	0.2912	216.3	3.1466	0.13461
Ti 334.941	0.1660	ppb	0.0213	12.8	-21.8455	0.16596
Tl 190.794	3.2569	ppb	3.3451	102.7	-5.4257	3.25693
V 292.401	0.8932	ppb	0.2407	26.9	30.8151	0.89322
Zn 206.200	0.2980	ppb	0.7641	256.4	2.3724	0.29798

MB 680-347829/1-A (Samp) **9/11/2014, 9:20:44 AM** **Rack 1, Tube 3**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Replicates Concentration		
Ag 328.068	-0.3076u	-0.3493u	0.4785
Al 308.215	9.2380	11.2554	10.6530
As 188.980	-2.0204u	-3.1244u	-0.9918u
B 249.678	2.2696	1.6057	1.4552
Ba 389.178	0.0663	-0.8883u	-0.4656u
Be 313.042	-0.0870u	-0.0803u	-0.0872u
Ca 370.602	27.58	23.66	27.90
Cd 226.502	-0.0604u	-0.2722u	0.1636
Co 228.615	0.7266	0.1168	0.1558
Cr 267.716	0.5442	0.2036	0.2873
Cu 324.754	-0.1208u	-0.2967u	-0.2144u
Fe 271.441	24.6806	9.1275	3.1612
K 766.491	9.7698	9.7361	9.8946
Mg 279.078	6.4843	5.3267	4.7434
Mn 257.610	0.0457	0.0258	-0.0023u
Mo 202.032	0.2703	0.0884	-0.1527u
Na 330.237	-112.089u	37.4685	-127.007u
Ni 231.604	1.0351	0.4349	1.6837
Pb 220.353	6.0839	3.1239	1.0788
Sb 206.834	4.8487	6.0423	3.7550
Se 196.026	-7.1411u	-2.8880u	-1.5462u
Sn 189.925	11.3849	15.5982	15.1305
Sr 216.596	0.1973	-0.0895u	-0.0609u
Ti 334.941	0.3576	0.2810	0.3013
Tl 190.794	2.3210	1.8953	0.5812
V 292.401	-0.0130u	0.1283	-0.0135u
Zn 206.200	4.0474	3.5148	4.3821

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.0595	ppb	0.4664	784.4	-12.4270
Al 308.215	10.3822	ppb	1.0356	10.0	399.442
As 188.980	-2.0455	ppb	1.0665	52.1	-6.2047
B 249.678	1.7769	ppb	0.4333	24.4	62.2740
Ba 389.178	-0.4292	ppb	0.4784	111.5	-29.2486
Be 313.042	-0.0848	ppb	0.0039	4.6	-3270.98
Ca 370.602	26.38	ppb	2.361	8.9	94.42
Cd 226.502	-0.0564	ppb	0.2179	386.6	16.8960
Co 228.615	0.3331	ppb	0.3414	102.5	-7.1975
Cr 267.716	0.3451	ppb	0.1775	51.4	13.6233
Cu 324.754	-0.2106	ppb	0.0880	41.8	215.266
Fe 271.441	12.3231	ppb	11.1099	90.2	31.6057
K 766.491	9.8002	ppb	0.0835	0.9	2987.16
Mg 279.078	5.5181	ppb	0.8861	16.1	35.6955
Mn 257.610	0.0231	ppb	0.0241	104.7	46.6303
Mo 202.032	0.0686	ppb	0.2122	309.1	6.2309
Na 330.237	-67.2093	ppb	90.9600	135.3	52.3974
Ni 231.604	1.0513	ppb	0.6245	59.4	6.0561
Pb 220.353	3.4288	ppb	2.5164	73.4	3.0600
Sb 206.834	4.8820	ppb	1.1440	23.4	9.0448
Se 196.026	-3.8585	ppb	2.9210	75.7	6.8498

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Sn 189.925	14.0379	ppb	2.3094	16.5	2.3140
Sr 216.596	0.0156	ppb	0.1580	1009.5	2.3281
Ti 334.941	0.3133	ppb	0.0397	12.7	29.9044
Tl 190.794	1.5992	ppb	0.9069	56.7	-6.2503
V 292.401	0.0339	ppb	0.0817	240.9	3.3508
Zn 206.200	3.9814	ppb	0.4374	11.0	9.8091

680-105043-A-1-A^10 (Samp) **9/11/2014, 9:25:11 AM** **Rack 1, Tube 4**

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

Label	Replicates Concentration		
Ag 328.068	-0.2288u	0.3492	0.2490
Al 308.215	840.323	823.171	798.363
As 188.980	2.2400	1.0398	-0.5189u
B 249.678	3.4169	2.8475	2.7730
Ba 389.178	1046.16	1022.08	997.744
Be 313.042	-0.0242u	-0.0125u	-0.0181u
Ca 370.602	331.3	320.9	315.8
Cd 226.502	59.0221	57.9557	56.6470
Co 228.615	-0.0076	0.6117	0.8193
Cr 267.716	2054.65	2011.18	1962.07
Cu 324.754	116.840	114.678	111.506
Fe 271.441	1344.31	1316.31	1296.33
K 766.491	418.656	409.924	399.495
Mg 279.078	111.007	109.053	110.011
Mn 257.610	15.3123	15.0096	14.6414
Mo 202.032	-1.2827u	-0.0736u	-1.4778u
Na 330.237	-44849.2u	-43580.4u	-41971.8u
Ni 231.604	0.5748	0.6088	0.6251
Pb 220.353	8505.97	8330.65	8132.74
Sb 206.834	8.1896	10.9094	18.7031
Se 196.026	-8.7393u	-1.0618u	0.3880
Sn 189.925	2.4024	4.2273	2.7655
Sr 216.596	16.1817	16.5049	15.6185
Ti 334.941	64.4234	63.8811	62.5145
Tl 190.794	11.5888	-0.5148u	-4.3467u
V 292.401	2.2810u	2.2759u	2.0615u
Zn 206.200	226481x	222839x	219822x

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	0.1231b	ppb	0.3088	250.8	-2.9267
Al 308.215	820.619b	ppb	21.0959	2.6	4990.05
As 188.980	0.9203b	ppb	1.3833	150.3	-4.7947
B 249.678	3.0125b	ppb	0.3522	11.7	78.4321
Ba 389.178	1021.99b	ppb	24.2071	2.4	21451.9
Be 313.042	-0.0183b	ppb	0.0058	31.9	-3109.69
Ca 370.602	322.6b	ppb	7.887	2.4	1185
Cd 226.502	57.8749b	ppb	1.1896	2.1	1713.57
Co 228.615	0.4745b	ppb	0.4302	90.7	-5.0682
Cr 267.716	2009.30b	ppb	46.3149	2.3	51736.8
Cu 324.754	114.341b	ppb	2.6830	2.3	5757.00
Fe 271.441	1318.98b	ppb	24.1003	1.8	1180.41

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
K 766.491	409.358b	ppb	9.5931	2.3	54072.6
Mg 279.078	110.024b	ppb	0.9769	0.9	253.713
Mn 257.610	14.9878b	ppb	0.3360	2.2	2116.38
Mo 202.032	-0.9447b	ppb	0.7607	80.5	0.5127
Na 330.237	-43467.1b	ppb	1442.03	3.3	-3183.08
Ni 231.604	0.6029b	ppb	0.0257	4.3	5.0936
Pb 220.353	8323.12b	ppb	186.732	2.2	8238.80
Sb 206.834	12.6007b	ppb	5.4570	43.3	28.6084
Se 196.026	-3.1377b	ppb	4.9050	156.3	7.1196
Sn 189.925	3.1317b	ppb	0.9660	30.8	-3.5610
Sr 216.596	16.1017b	ppb	0.4486	2.8	119.795
Ti 334.941	63.6063b	ppb	0.9837	1.5	22253.7
Tl 190.794	2.2425b	ppb	8.3179	370.9	-5.9823
V 292.401	2.2061b	ppb	0.1253	5.7	-64.6438
Zn 206.200	223048xb	ppb	3334.30	1.5	450259

x (Samp) **9/11/2014, 9:29:39 AM** **Rack 1, Tube 5**

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

Label	Replicates Concentration		
Ag 328.068	10.1086	9.7668	10.2319
Al 308.215	205.193	202.502	201.359
As 188.980	19.9680	26.7492	17.9023
B 249.678	97.1069	98.3689	98.5078
Ba 389.178	9.5532	9.7270	9.4446
Be 313.042	3.9212	3.9458	3.9247
Ca 370.602	505.0	498.2	498.0
Cd 226.502	4.7598	5.1050	4.8930
Co 228.615	9.9955	10.5107	9.9532
Cr 267.716	10.1650	10.1272	10.0904
Cu 324.754	19.6580	19.7042	19.9093
Fe 271.441	52.3106	52.9881	46.7825
K 766.491	1009.41	1004.22	1003.38
Mg 279.078	501.334	503.753	496.359
Mn 257.610	10.2328	10.2795	10.2822
Mo 202.032	9.1713	9.7857	9.1676
Na 330.237	1015.22	1005.73	931.090
Ni 231.604	39.9094	41.8887	39.3260
Pb 220.353	9.2583	13.6436	6.7913
Sb 206.834	21.4496	21.5629	15.1285
Se 196.026	17.3269	15.2735	14.0917
Sn 189.925	51.0848	48.8610	51.7877
Sr 216.596	9.4383	9.0329	10.1461
Ti 334.941	10.0498	9.9691	9.9929
Tl 190.794	29.2952	31.9415	24.7742
V 292.401	9.8937	9.9777	10.0455
Zn 206.200	46.7589	44.5193	44.8635

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	10.0358	ppb	0.2410	2.4	471.723
Al 308.215	203.018	ppb	1.9686	1.0	1492.01
As 188.980	21.5398	ppb	4.6282	21.5	5.0882

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Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
B 249.678	97.9945	ppb	0.7719	0.8	1377.12
Ba 389.178	9.5749	ppb	0.1424	1.5	182.272
Be 313.042	3.9306	ppb	0.0133	0.3	6168.76
Ca 370.602	500.4	ppb	3.967	0.8	1848
Cd 226.502	4.9193	ppb	0.1741	3.5	162.445
Co 228.615	10.1531	ppb	0.3104	3.1	68.0720
Cr 267.716	10.1275	ppb	0.0373	0.4	265.414
Cu 324.754	19.7572	ppb	0.1338	0.7	1180.91
Fe 271.441	50.6937	ppb	3.4041	6.7	66.3246
K 766.491	1005.67	ppb	3.2671	0.3	130314
Mg 279.078	500.482	ppb	3.7700	0.8	1081.04
Mn 257.610	10.2649	ppb	0.0278	0.3	1463.78
Mo 202.032	9.3748	ppb	0.3558	3.8	57.7252
Na 330.237	984.013	ppb	46.0780	4.7	114.628
Ni 231.604	40.3747	ppb	1.3432	3.3	113.842
Pb 220.353	9.8978	ppb	3.4706	35.1	9.4460
Sb 206.834	19.3803	ppb	3.6826	19.0	21.2043
Se 196.026	15.5640	ppb	1.6371	10.5	13.5427
Sn 189.925	50.5778	ppb	1.5278	3.0	22.0473
Sr 216.596	9.5391	ppb	0.5634	5.9	70.0587
Ti 334.941	10.0039	ppb	0.0415	0.4	3434.40
Tl 190.794	28.6703	ppb	3.6243	12.6	7.2109
V 292.401	9.9723	ppb	0.0760	0.8	320.749
Zn 206.200	45.3806	ppb	1.2060	2.7	93.3574

x (Samp) **9/11/2014, 9:36:29 AM** **Rack 1, Tube 6**

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

Label	Replicates Concentration		
Ag 328.068	9.9368	9.9478	10.4779
Al 308.215	200.877	205.403	204.377
As 188.980	20.9024	16.9474	21.4242
B 249.678	98.3317	99.2059	98.9593
Ba 389.178	9.3781	9.3988	9.6370
Be 313.042	3.9663	3.9560	3.9678
Ca 370.602	497.8	499.5	493.7
Cd 226.502	5.1360	4.9002	4.7533
Co 228.615	9.7744	10.0075	10.5060
Cr 267.716	10.0939	10.0690	10.4523
Cu 324.754	20.3376	20.0603	20.2770
Fe 271.441	52.9714	44.1924	53.5685
K 766.491	1012.94	1013.06	1013.00
Mg 279.078	502.552	501.330	502.515
Mn 257.610	10.3215	10.3857	10.3971
Mo 202.032	7.9731	10.4022	9.4425
Na 330.237	776.484	786.695	894.867
Ni 231.604	40.2508	40.1953	41.5767
Pb 220.353	10.8497	8.7598	7.9485
Sb 206.834	25.0984	21.9286	24.5621
Se 196.026	11.3503	19.9037	2.9181
Sn 189.925	55.8195	51.8956	51.0187
Sr 216.596	8.5887	9.5329	9.9207

Label	Replicates Concentration		
Ti 334.941	10.0244	10.0768	10.0430
Tl 190.794	25.9043	26.5956	23.7942
V 292.401	10.1674	10.3486	10.2751
Zn 206.200	21.3985	22.2067	21.9483

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	10.1208	ppb	0.3093	3.1	475.803
Al 308.215	203.553	ppb	2.3727	1.2	1495.04
As 188.980	19.7580	ppb	2.4480	12.4	4.2351
B 249.678	98.8323	ppb	0.4507	0.5	1388.58
Ba 389.178	9.4713	ppb	0.1439	1.5	180.103
Be 313.042	3.9634	ppb	0.0064	0.2	6246.02
Ca 370.602	497.0	ppb	2.987	0.6	1836
Cd 226.502	4.9298	ppb	0.1931	3.9	162.759
Co 228.615	10.0960	ppb	0.3737	3.7	67.6372
Cr 267.716	10.2050	ppb	0.2145	2.1	267.407
Cu 324.754	20.2249	ppb	0.1458	0.7	1203.54
Fe 271.441	50.2441	ppb	5.2494	10.4	65.9244
K 766.491	1013.00	ppb	0.0602	0.0	131252
Mg 279.078	502.132	ppb	0.6946	0.1	1084.52
Mn 257.610	10.3681	ppb	0.0408	0.4	1478.04
Mo 202.032	9.2726	ppb	1.2234	13.2	57.1591
Na 330.237	819.349	ppb	65.6001	8.0	104.899
Ni 231.604	40.6743	ppb	0.7820	1.9	114.663
Pb 220.353	9.1860	ppb	1.4968	16.3	8.7416
Sb 206.834	23.8630	ppb	1.6966	7.1	24.9962
Se 196.026	11.3907	ppb	8.4929	74.6	12.1056
Sn 189.925	52.9113	ppb	2.5565	4.8	23.3074
Sr 216.596	9.3474	ppb	0.6851	7.3	68.6529
Ti 334.941	10.0481	ppb	0.0266	0.3	3449.91
Tl 190.794	25.4314	ppb	1.4594	5.7	5.6018
V 292.401	10.2637	ppb	0.0911	0.9	330.175
Zn 206.200	21.8512	ppb	0.4128	1.9	45.8589

cri (Samp) **9/11/2014, 9:41:25 AM** **Rack 1, Tube 7**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Replicates Concentration		
Ag 328.068	10.0070	10.3734	10.1836
Al 308.215	206.349	204.084	202.330
As 188.980	21.9511	22.6354	26.8713
B 249.678	98.6287	99.3770	98.8296
Ba 389.178	8.4632	9.2275	8.6625
Be 313.042	3.9657	3.9696	3.9606
Ca 370.602	499.6	498.5	500.8
Cd 226.502	5.0247	5.1011	5.0482
Co 228.615	9.2685	10.0036	10.4162
Cr 267.716	10.2997	10.0179	9.9471
Cu 324.754	20.1885	20.3334	20.0984
Fe 271.441	49.9547	47.6927	48.0037
K 766.491	1016.79	1019.93	1011.81
Mg 279.078	502.888	503.540	497.822

Label	Replicates Concentration		
Mn 257.610	10.5059	10.4792	10.5037
Mo 202.032	9.7292	9.5302	9.3129
Na 330.237	778.910	941.165	851.155
Ni 231.604	39.1755	41.1993	41.3185
Pb 220.353	8.8034	9.6130	10.4902
Sb 206.834	22.9742	21.2863	15.4081
Se 196.026	23.2674	19.3451	15.8252
Sn 189.925	50.0381	49.6142	49.2069
Sr 216.596	9.8015	9.8212	9.6433
Ti 334.941	10.0144	10.0710	10.0345
Tl 190.794	25.9826	21.4206	23.1926
V 292.401	9.8796	10.1189	9.7895
Zn 206.200	22.7619	22.0163	22.7365

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	10.1880	ppb	0.1832	1.8	479.025
Al 308.215	204.254	ppb	2.0145	1.0	1499.02
As 188.980	23.8193	ppb	2.6652	11.2	6.1794
B 249.678	98.9451	ppb	0.3873	0.4	1390.10
Ba 389.178	8.7844	ppb	0.3964	4.5	165.669
Be 313.042	3.9653	ppb	0.0045	0.1	6250.37
Ca 370.602	499.6	ppb	1.139	0.2	1845
Cd 226.502	5.0580	ppb	0.0391	0.8	166.502
Co 228.615	9.8961	ppb	0.5813	5.9	66.0988
Cr 267.716	10.0882	ppb	0.1866	1.8	264.404
Cu 324.754	20.2068	ppb	0.1186	0.6	1202.67
Fe 271.441	48.5504	ppb	1.2260	2.5	64.4357
K 766.491	1016.18	ppb	4.0965	0.4	131657
Mg 279.078	501.417	ppb	3.1299	0.6	1083.02
Mn 257.610	10.4963	ppb	0.0148	0.1	1495.73
Mo 202.032	9.5241	ppb	0.2082	2.2	58.5512
Na 330.237	857.077	ppb	81.2896	9.5	107.145
Ni 231.604	40.5644	ppb	1.2043	3.0	114.362
Pb 220.353	9.6355	ppb	0.8436	8.8	9.1862
Sb 206.834	19.8895	ppb	3.9718	20.0	21.6321
Se 196.026	19.4792	ppb	3.7229	19.1	14.8910
Sn 189.925	49.6198	ppb	0.4156	0.8	21.5299
Sr 216.596	9.7553	ppb	0.0975	1.0	71.6171
Ti 334.941	10.0400	ppb	0.0287	0.3	3447.05
Tl 190.794	23.5319	ppb	2.2998	9.8	4.6580
V 292.401	9.9293	ppb	0.1702	1.7	319.344
Zn 206.200	22.5049	ppb	0.4233	1.9	47.1788

(Samp) **9/11/2014, 9:47:58 AM** **Rack 1, Tube 8**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Replicates Concentration		
Ag 328.068	509.098	509.070	506.926
Al 308.215	4963.93	4953.60	4937.36
As 188.980	472.756	481.623	490.763
B 249.678	503.522	506.031	506.391
Ba 389.178	5009.26	4991.00	4991.39

Label	Replicates Concentration		
Be 313.042	500.455	499.457	497.382
Ca 370.602	5032	5006	5009
Cd 226.502	502.429	500.282	499.395
Co 228.615	498.919	498.026	496.092
Cr 267.716	5027.21	5002.29	4996.70
Cu 324.754	4994.14	4917.04	4975.64
Fe 271.441	4976.86	4941.38	4945.76
K 766.491	10009.2	9962.76	9958.37
Mg 279.078	4996.09	4989.60	4983.92
Mn 257.610	5083.47	5064.66	5064.14
Mo 202.032	500.564	502.668	499.546
Na 330.237	7030.73	7140.00	6887.24
Ni 231.604	2529.60	2518.04	2506.26
Pb 220.353	494.095	493.928	494.122
Sb 206.834	940.660	934.292	932.869
Se 196.026	4952.55	4913.57	4881.99
Sn 189.925	4986.03	4948.59	4961.18
Sr 216.596	2510.89	2496.42	2499.55
Ti 334.941	494.184	493.146	492.080
Tl 190.794	5119.12	5107.46	5094.20
V 292.401	4995.66	4971.83	4973.05
Zn 206.200	2523.75	2510.77	2505.91

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	508.365	ppb	1.2463	0.2	24398.2
Al 308.215	4951.63	ppb	13.3952	0.3	28683.9
As 188.980	481.714	ppb	9.0040	1.9	225.464
B 249.678	505.315	ppb	1.5626	0.3	6951.50
Ba 389.178	4997.21	ppb	10.4323	0.2	104990
Be 313.042	499.098	ppb	1.5673	0.3	1171497
Ca 370.602	5016	ppb	14.21	0.3	18578
Cd 226.502	500.702	ppb	1.5601	0.3	14667.5
Co 228.615	497.679	ppb	1.4448	0.3	3804.46
Cr 267.716	5008.73	ppb	16.2467	0.3	128921
Cu 324.754	4962.27	ppb	40.2473	0.8	240276
Fe 271.441	4954.67	ppb	19.3461	0.4	4462.14
K 766.491	9976.79	ppb	28.1819	0.3	1277315
Mg 279.078	4989.87	ppb	6.0908	0.1	10553.1
Mn 257.610	5070.76	ppb	11.0156	0.2	700277
Mo 202.032	500.926	ppb	1.5922	0.3	2775.42
Na 330.237	7019.32	ppb	126.765	1.8	456.191
Ni 231.604	2517.97	ppb	11.6738	0.5	6905.00
Pb 220.353	494.049	ppb	0.1048	0.0	490.233
Sb 206.834	935.940	ppb	4.1485	0.4	819.761
Se 196.026	4916.04	ppb	35.3475	0.7	1701.89
Sn 189.925	4965.27	ppb	19.0513	0.4	2676.18
Sr 216.596	2502.29	ppb	7.6117	0.3	18037.8
Ti 334.941	493.137	ppb	1.0522	0.2	173128
Tl 190.794	5106.93	ppb	12.4654	0.2	2534.41
V 292.401	4980.18	ppb	13.4223	0.3	160001
Zn 206.200	2513.48	ppb	9.2257	0.4	5063.47

(Samp) **9/11/2014, 9:52:27 AM** **Rack 1, Tube 9**

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

Label	Replicates Concentration		
Ag 328.068	-0.2907u	-0.2852u	-0.2452u
Al 308.215	2.7626	3.6897	6.1802
As 188.980	-1.5979u	0.0223	0.0036
B 249.678	5.6848	5.0563	4.2202
Ba 389.178	0.1911	0.1013	0.2066
Be 313.042	0.0074	-0.0072u	0.0137
Ca 370.602	3.417	1.604	7.249
Cd 226.502	-0.1277u	0.0677	-0.1430u
Co 228.615	0.1721	0.2201	-0.2215u
Cr 267.716	0.7161	1.0573	0.5216
Cu 324.754	0.5392	0.3500	0.5018
Fe 271.441	2.2535	-5.0253u	2.7568
K 766.491	2.0648	1.9600	2.0947
Mg 279.078	3.2400	1.4208	6.0303
Mn 257.610	0.5271	0.4521	0.6488
Mo 202.032	1.0183	1.0220	0.5051
Na 330.237	216.354	-114.513u	-153.792u
Ni 231.604	0.1482	2.3089	-0.1220u
Pb 220.353	2.0221	1.5135	1.1985
Sb 206.834	5.7502	7.6417	2.9388
Se 196.026	5.4410	9.4936	-8.2347u
Sn 189.925	-0.4197u	0.2811	0.3889
Sr 216.596	-0.2515u	0.0945	-0.4637u
Ti 334.941	0.1824	0.2311	0.1661
Tl 190.794	12.2878	0.2025	2.0611
V 292.401	0.9100	1.0122	1.1587
Zn 206.200	1.3952	1.9877	0.1386

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.2737	ppb	0.0248	9.1	-22.6946
Al 308.215	4.2108	ppb	1.7674	42.0	364.573
As 188.980	-0.5240	ppb	0.9300	177.5	-5.4760
B 249.678	4.9871	ppb	0.7347	14.7	106.158
Ba 389.178	0.1663	ppb	0.0568	34.2	-16.7591
Be 313.042	0.0046	ppb	0.0107	230.6	-3060.49
Ca 370.602	4.090	ppb	2.882	70.5	12.13
Cd 226.502	-0.0677	ppb	0.1175	173.7	16.5377
Co 228.615	0.0569	ppb	0.2423	425.9	-9.3326
Cr 267.716	0.7650	ppb	0.2712	35.4	24.4276
Cu 324.754	0.4637	ppb	0.1002	21.6	247.922
Fe 271.441	-0.0050	ppb	4.3550	87227.7	20.6846
K 766.491	2.0398	ppb	0.0707	3.5	1994.96
Mg 279.078	3.5637	ppb	2.3217	65.1	31.5889
Mn 257.610	0.5426	ppb	0.0993	18.3	118.342
Mo 202.032	0.8485	ppb	0.2974	35.0	10.5471
Na 330.237	-17.3170	ppb	203.316	1174.1	55.3790
Ni 231.604	0.7784	ppb	1.3324	171.2	5.3077
Pb 220.353	1.5780	ppb	0.4156	26.3	1.2280
Sb 206.834	5.4435	ppb	2.3664	43.5	9.5086
Se 196.026	2.2333	ppb	9.2892	415.9	8.9474

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Sn 189.925	0.0834	ppb	0.4390	526.3	-5.2219
Sr 216.596	-0.2069	ppb	0.2818	136.2	0.7000
Ti 334.941	0.1932	ppb	0.0338	17.5	-12.2820
Tl 190.794	4.8505	ppb	6.5076	134.2	-4.6340
V 292.401	1.0270	ppb	0.1250	12.2	35.1231
Zn 206.200	1.1738	ppb	0.9442	80.4	4.1402

mb 680-348266/1-a (Samp) **9/11/2014, 10:11:16 AM** **Rack 1, Tube 15**

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

Label	Replicates Concentration		
Ag 328.068	0.2211	0.2810	0.0390
Al 308.215	3.2933	4.1271	5.3158
As 188.980	-2.8196u	-1.8820u	0.1201
B 249.678	0.7587	1.2648	1.3737
Ba 389.178	1.9864	2.8733	1.7587
Be 313.042	-0.0429u	-0.0635u	-0.0638u
Ca 370.602	21.51	19.37	22.21
Cd 226.502	-0.0752u	-0.0996u	-0.0287u
Co 228.615	0.0207	0.4888	-0.1735u
Cr 267.716	-0.0451u	-0.0450u	0.0201
Cu 324.754	-0.2105u	-0.2473u	0.0231
Fe 271.441	-5.8255u	-0.0386u	15.2020
K 766.491	1.6521	2.0933	1.8106
Mg 279.078	1.4100	3.0587	3.8269
Mn 257.610	-0.1967u	-0.1522u	-0.1399u
Mo 202.032	0.1187	-0.9329u	0.2675
Na 330.237	108.121	133.374	149.833
Ni 231.604	0.0718	0.5327	1.8720
Pb 220.353	1.9838	-2.4651u	0.1937
Sb 206.834	-4.7366u	5.1139	-3.7665u
Se 196.026	-6.3967u	-5.8178u	9.6257
Sn 189.925	0.3643	-1.4971u	1.6353
Sr 216.596	-0.4058u	-0.2431u	0.2381
Ti 334.941	0.1059	0.0814	0.1197
Tl 190.794	0.9239	1.5417	-2.6558u
V 292.401	0.2320	0.0643	-0.1435u
Zn 206.200	1.1009	2.7931	1.5073

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	0.1804	ppb	0.1261	69.9	-0.9272
Al 308.215	4.2454	ppb	1.0164	23.9	364.654
As 188.980	-1.5272	ppb	1.5016	98.3	-5.9565
B 249.678	1.1324	ppb	0.3282	29.0	53.4353
Ba 389.178	2.2061	ppb	0.5889	26.7	26.0968
Be 313.042	-0.0567	ppb	0.0120	21.1	-3204.86
Ca 370.602	21.03	ppb	1.477	7.0	74.64
Cd 226.502	-0.0679	ppb	0.0360	53.1	16.5492
Co 228.615	0.1120	ppb	0.3405	304.0	-8.8908
Cr 267.716	-0.0234	ppb	0.0376	160.9	4.1381
Cu 324.754	-0.1449	ppb	0.1466	101.2	218.452
Fe 271.441	3.1126	ppb	10.8622	349.0	23.4658

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
K 766.491	1.8520	ppb	0.2235	12.1	1970.94
Mg 279.078	2.7652	ppb	1.2349	44.7	29.8890
Mn 257.610	-0.1630	ppb	0.0299	18.3	20.9167
Mo 202.032	-0.1822	ppb	0.6543	359.0	4.8428
Na 330.237	130.443	ppb	21.0103	16.1	64.1666
Ni 231.604	0.8255	ppb	0.9352	113.3	5.4372
Pb 220.353	-0.0958	ppb	2.2385	2335.5	-0.4284
Sb 206.834	-1.1297	ppb	5.4289	480.6	3.9661
Se 196.026	-0.8629	ppb	9.0880	1053.2	7.8813
Sn 189.925	0.1675	ppb	1.5754	940.5	-5.1765
Sr 216.596	-0.1369	ppb	0.3348	244.5	1.2299
Ti 334.941	0.1023	ppb	0.0194	19.0	-44.2008
Tl 190.794	-0.0634	ppb	2.2662	3574.8	-7.0758
V 292.401	0.0509	ppb	0.1881	369.5	3.9785
Zn 206.200	1.8004	ppb	0.8834	49.1	5.4070

lcs 680-348266/2-a (Samp) **9/11/2014, 10:15:43 AM** **Rack 1, Tube 16**

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

Label	Replicates Concentration		
Ag 328.068	52.2064	51.7550	51.8472
Al 308.215	4932.71	4936.23	4918.82
As 188.980	93.5316	104.938	96.5324
B 249.678	196.551	196.917	197.203
Ba 389.178	102.592	101.491	101.854
Be 313.042	50.8524	50.9144	50.7175
Ca 370.602	4940	4944	4919
Cd 226.502	50.0520	49.5177	49.3021
Co 228.615	50.9619	50.4644	50.3362
Cr 267.716	102.158	102.660	101.827
Cu 324.754	101.593	101.522	102.212
Fe 271.441	5000.95	4999.30	4967.13
K 766.491	4890.11	4892.67	4867.71
Mg 279.078	4865.70	4876.17	4856.23
Mn 257.610	525.073	526.338	523.401
Mo 202.032	100.008	100.988	101.608
Na 330.237	4946.11	4885.83	4961.15
Ni 231.604	99.9455	100.674	99.8428
Pb 220.353	51.5902	49.5415	57.0908
Sb 206.834	51.8964	52.2506	43.8316
Se 196.026	99.8040	91.3007	90.7650
Sn 189.925	202.376	198.060	204.360
Sr 216.596	99.1610	98.5771	98.5254
Ti 334.941	101.144	101.403	100.954
Tl 190.794	38.4533	42.3362	40.9481
V 292.401	101.891	101.940	101.655
Zn 206.200	101.182	100.392	102.284

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	51.9362	ppb	0.2385	0.5	2482.39
Al 308.215	4929.25	ppb	9.2036	0.2	28281.2
As 188.980	98.3339	ppb	5.9125	6.0	41.8370

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Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
B 249.678	196.891	ppb	0.3268	0.2	2725.37
Ba 389.178	101.979	ppb	0.5608	0.5	2143.85
Be 313.042	50.8281	ppb	0.1007	0.2	116416
Ca 370.602	4934	ppb	13.58	0.3	18190
Cd 226.502	49.6239	ppb	0.3861	0.8	1482.14
Co 228.615	50.5875	ppb	0.3305	0.7	377.958
Cr 267.716	102.215	ppb	0.4195	0.4	2635.65
Cu 324.754	101.776	ppb	0.3793	0.4	5144.27
Fe 271.441	4989.13	ppb	19.0679	0.4	4445.42
K 766.491	4883.50	ppb	13.7309	0.3	626113
Mg 279.078	4866.03	ppb	9.9745	0.2	10291.6
Mn 257.610	524.937	ppb	1.4729	0.3	72567.9
Mo 202.032	100.868	ppb	0.8069	0.8	563.611
Na 330.237	4931.03	ppb	39.8584	0.8	345.508
Ni 231.604	100.154	ppb	0.4532	0.5	277.874
Pb 220.353	52.7408	ppb	3.9040	7.4	51.5368
Sb 206.834	49.3262	ppb	4.7618	9.7	45.5537
Se 196.026	93.9566	ppb	5.0711	5.4	40.6992
Sn 189.925	201.599	ppb	3.2214	1.6	103.605
Sr 216.596	98.7545	ppb	0.3530	0.4	717.374
Ti 334.941	101.167	ppb	0.2256	0.2	35462.3
Tl 190.794	40.5792	ppb	1.9676	4.8	13.0292
V 292.401	101.828	ppb	0.1522	0.1	3255.11
Zn 206.200	101.286	ppb	0.9506	0.9	206.099

680-104944-c-1-a (Samp) **9/11/2014, 10:20:12 AM** **Rack 1, Tube 17**

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

Label	Replicates Concentration		
Ag 328.068	-0.2389u	-0.3592u	-0.5300u
Al 308.215	267.158	267.254	265.902
As 188.980	-3.8180u	6.5684	2.3487
B 249.678	46.9839	47.2169	46.8075
Ba 389.178	9.9080	10.1759	10.7714
Be 313.042	-0.0059u	0.0007	0.0033
Ca 370.602	19383	19397	19411
Cd 226.502	0.0203	-0.0030u	-0.1838u
Co 228.615	0.7401	1.5294	1.1544
Cr 267.716	0.6088	0.6498	0.5725
Cu 324.754	7.5416	7.4660	7.8036
Fe 271.441	17.4700	29.4359	15.3180
K 766.491	2588.93	2582.84	2581.16
Mg 279.078	6258.64	6258.61	6248.68
Mn 257.610	10.1897	10.2020	10.1225
Mo 202.032	0.5281	0.6709	0.6259
Na 330.237	22025.1	21846.1	22088.3
Ni 231.604	5.8682	5.3711	3.6747
Pb 220.353	0.7227	-3.4129u	3.0034
Sb 206.834	0.9911	0.7049	-1.6825u
Se 196.026	3.2500	3.3553	5.8442
Sn 189.925	-3.0015u	-0.4266u	0.9283
Sr 216.596	123.333	123.780	123.068

Label	Replicates Concentration		
Ti 334.941	1.1366	0.9434	1.0416
Tl 190.794	-0.3602u	2.8788	1.2151
V 292.401	0.6899	0.7734	0.7726
Zn 206.200	22.2688	21.8586	21.1659

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.3760	ppb	0.1463	38.9	-27.6541
Al 308.215	266.771	ppb	0.7548	0.3	1852.21
As 188.980	1.6997	ppb	5.2235	307.3	-4.4117
B 249.678	47.0028	ppb	0.2054	0.4	680.189
Ba 389.178	10.2851	ppb	0.4419	4.3	211.516
Be 313.042	-0.0006	ppb	0.0047	751.5	-3068.18
Ca 370.602	19397	ppb	13.86	0.1	71706
Cd 226.502	-0.0555	ppb	0.1117	201.3	16.9352
Co 228.615	1.1413	ppb	0.3948	34.6	-0.9976
Cr 267.716	0.6104	ppb	0.0386	6.3	20.6305
Cu 324.754	7.6037	ppb	0.1772	2.3	574.733
Fe 271.441	20.7413	ppb	7.6062	36.7	39.1431
K 766.491	2584.31	ppb	4.0863	0.2	332151
Mg 279.078	6255.31	ppb	5.7410	0.1	13236.1
Mn 257.610	10.1714	ppb	0.0428	0.4	1483.53
Mo 202.032	0.6083	ppb	0.0730	12.0	9.2160
Na 330.237	21986.5	ppb	125.639	0.6	1364.17
Ni 231.604	4.9714	ppb	1.1501	23.1	16.8015
Pb 220.353	0.1044	ppb	3.2525	3115.0	-0.2421
Sb 206.834	0.0045	ppb	1.4680	32446.2	4.9144
Se 196.026	4.1498	ppb	1.4683	35.4	9.7088
Sn 189.925	-0.8333	ppb	1.9962	239.6	-5.7126
Sr 216.596	123.393	ppb	0.3598	0.3	899.654
Ti 334.941	1.0405	ppb	0.0966	9.3	296.685
Tl 190.794	1.2446	ppb	1.6197	130.1	-6.4267
V 292.401	0.7453	ppb	0.0480	6.4	26.0420
Zn 206.200	21.7645	ppb	0.5574	2.6	45.7070

680-104944-c-1-aSD^5 (Samp) **9/11/2014, 10:24:39 AM** **Rack 1, Tube 18**

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

Label	Replicates Concentration		
Ag 328.068	-0.1748u	-0.4902u	-0.0220u
Al 308.215	67.4629	65.8111	65.4237
As 188.980	-6.0377u	5.8771	-1.3628u
B 249.678	12.2014	12.3602	11.1917
Ba 389.178	1.8816	1.4651	1.7001
Be 313.042	-0.0415u	-0.0384u	-0.0386u
Ca 370.602	4841	4744	4665
Cd 226.502	0.0566	0.1253	-0.0877u
Co 228.615	0.6217	0.1100	1.1141
Cr 267.716	0.4733	0.2554	0.2574
Cu 324.754	1.8450	2.0819	1.7811
Fe 271.441	9.2046	3.1801	12.3452
K 766.491	654.378	639.210	628.722
Mg 279.078	1597.76	1558.47	1530.08

Label	Replicates Concentration		
Mn 257.610	2.3140	2.3159	2.2559
Mo 202.032	0.0857	0.2212	0.1141
Na 330.237	5635.85	5236.86	5429.08
Ni 231.604	1.3201	1.8393	0.7849
Pb 220.353	-0.3488u	4.7733	-0.4099u
Sb 206.834	0.7318	-2.5984u	4.9155
Se 196.026	-9.3857u	-1.8200u	0.2162
Sn 189.925	0.7544	-2.2178u	-0.7343u
Sr 216.596	30.8672	30.7798	29.7162
Ti 334.941	0.2263	0.2591	0.2537
Tl 190.794	-1.0688u	4.8552	1.7116
V 292.401	0.1212	0.1673	0.2052
Zn 206.200	5.9501	4.8670	4.0673

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.2290	ppb	0.2388	104.3	-20.5685
Al 308.215	66.2326	ppb	1.0829	1.6	715.895
As 188.980	-0.5078	ppb	6.0033	1182.3	-5.4684
B 249.678	11.9178	ppb	0.6338	5.3	200.813
Ba 389.178	1.6822	ppb	0.2088	12.4	18.9927
Be 313.042	-0.0395	ppb	0.0017	4.4	-3163.29
Ca 370.602	4750	ppb	88.20	1.9	17557
Cd 226.502	0.0314	ppb	0.1087	346.5	19.4361
Co 228.615	0.6153	ppb	0.5021	81.6	-5.0356
Cr 267.716	0.3287	ppb	0.1252	38.1	13.2461
Cu 324.754	1.9027	ppb	0.1585	8.3	312.982
Fe 271.441	8.2433	ppb	4.6576	56.5	28.0245
K 766.491	640.770	ppb	12.8987	2.0	83659.8
Mg 279.078	1562.10	ppb	33.9842	2.2	3323.43
Mn 257.610	2.2953	ppb	0.0341	1.5	369.223
Mo 202.032	0.1403	ppb	0.0715	50.9	6.6283
Na 330.237	5433.93	ppb	199.537	3.7	379.628
Ni 231.604	1.3148	ppb	0.5272	40.1	6.7781
Pb 220.353	1.3382	ppb	2.9751	222.3	0.9882
Sb 206.834	1.0163	ppb	3.7650	370.5	5.7762
Se 196.026	-3.6632	ppb	5.0593	138.1	6.9416
Sn 189.925	-0.7326	ppb	1.4861	202.9	-5.6615
Sr 216.596	30.4544	ppb	0.6408	2.1	223.708
Ti 334.941	0.2464	ppb	0.0176	7.1	9.2457
Tl 190.794	1.8327	ppb	2.9639	161.7	-6.1338
V 292.401	0.1646	ppb	0.0420	25.5	7.5242
Zn 206.200	4.9615	ppb	0.9450	19.0	11.7874

680-104944-c-1-aPDS (Samp) **9/11/2014, 10:29:07 AM** **Rack 1, Tube 19**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Replicates Concentration		
Ag 328.068	45.7118	41.9073	40.7207
Al 308.215	2394.86	2396.63	2400.33
As 188.980	205.247	201.931	206.985
B 249.678	552.953	557.529	558.921
Ba 389.178	221.328	221.856	223.540

Label	Replicates Concentration		
Be 313.042	53.5280	53.6148	53.6548
Ca 370.602	25529	25482	25485
Cd 226.502	52.2064	52.5964	52.7437
Co 228.615	210.509	210.681	210.456
Cr 267.716	212.682	212.744	212.033
Cu 324.754	223.838	225.843	225.992
Fe 271.441	2113.46	2101.38	2107.76
K 766.491	5283.69	5281.77	5273.12
Mg 279.078	9732.40	9709.74	9721.50
Mn 257.610	232.273	232.380	232.767
Mo 202.032	212.966	210.936	211.792
Na 330.237	29174.9	29117.4	29465.4
Ni 231.604	212.850	212.034	213.797
Pb 220.353	207.045	208.285	204.097
Sb 206.834	198.149	193.479	195.146
Se 196.026	192.295	195.884	194.454
Sn 189.925	214.009	208.492	206.941
Sr 216.596	361.242	359.904	360.586
Ti 334.941	210.377	210.965	210.970
Tl 190.794	205.158	215.183	203.915
V 292.401	212.035	212.211	212.290
Zn 206.200	233.905	234.725	235.774

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	42.7799	ppb	2.6075	6.1	2042.73
Al 308.215	2397.28	ppb	2.7920	0.1	13947.6
As 188.980	204.721	ppb	2.5674	1.3	92.8139
B 249.678	556.468	ppb	3.1220	0.6	7642.31
Ba 389.178	222.241	ppb	1.1551	0.5	4677.63
Be 313.042	53.5992	ppb	0.0648	0.1	122952
Ca 370.602	25498	ppb	26.22	0.1	94278
Cd 226.502	52.5155	ppb	0.2776	0.5	1559.10
Co 228.615	210.549	ppb	0.1179	0.1	1603.90
Cr 267.716	212.486	ppb	0.3935	0.2	5474.03
Cu 324.754	225.224	ppb	1.2030	0.5	11096.6
Fe 271.441	2107.53	ppb	6.0428	0.3	1903.05
K 766.491	5279.53	ppb	5.6326	0.1	676748
Mg 279.078	9721.21	ppb	11.3304	0.1	20552.3
Mn 257.610	232.473	ppb	0.2599	0.1	32204.4
Mo 202.032	211.898	ppb	1.0189	0.5	1178.26
Na 330.237	29252.6	ppb	186.556	0.6	1791.40
Ni 231.604	212.894	ppb	0.8822	0.4	586.784
Pb 220.353	206.476	ppb	2.1516	1.0	203.725
Sb 206.834	195.592	ppb	2.3669	1.2	168.001
Se 196.026	194.211	ppb	1.8067	0.9	75.2497
Sn 189.925	209.814	ppb	3.7151	1.8	108.047
Sr 216.596	360.577	ppb	0.6693	0.2	2610.57
Ti 334.941	210.771	ppb	0.3407	0.2	73964.5
Tl 190.794	208.086	ppb	6.1780	3.0	96.5309
V 292.401	212.179	ppb	0.1305	0.1	6776.12
Zn 206.200	234.802	ppb	0.9367	0.4	475.291

680-104944-c-1-b ms (Samp) **9/11/2014, 10:33:35 AM** **Rack 1, Tube 20**

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

Label	Replicates Concentration		
Ag 328.068	51.8677	50.9665	52.2433
Al 308.215	5242.96	5255.49	5255.72
As 188.980	102.586	107.400	102.320
B 249.678	246.219	247.264	246.770
Ba 389.178	108.395	108.930	108.825
Be 313.042	50.8033	50.7927	50.7846
Ca 370.602	25616	25604	25589
Cd 226.502	49.5300	49.6276	49.0810
Co 228.615	51.3284	50.7346	51.3880
Cr 267.716	102.143	101.971	101.988
Cu 324.754	111.710	111.147	110.478
Fe 271.441	4972.47	4961.04	4981.90
K 766.491	7819.05	7807.92	7819.95
Mg 279.078	11618.9	11602.2	11613.9
Mn 257.610	531.328	531.388	530.978
Mo 202.032	101.242	100.631	100.488
Na 330.237	28801.7	28708.8	28844.1
Ni 231.604	103.985	102.530	104.238
Pb 220.353	53.1887	58.3717	47.5862
Sb 206.834	52.8492	48.8783	49.3293
Se 196.026	91.7494	101.865	92.6020
Sn 189.925	194.164	194.995	193.401
Sr 216.596	231.550	231.123	230.603
Ti 334.941	101.203	101.331	101.256
Tl 190.794	43.7776	31.9364	42.8842
V 292.401	102.163	102.337	102.291
Zn 206.200	119.597	119.808	118.490

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	51.6925	ppb	0.6562	1.3	2470.64
Al 308.215	5251.39	ppb	7.3049	0.1	30106.5
As 188.980	104.102	ppb	2.8592	2.7	44.5986
B 249.678	246.751	ppb	0.5225	0.2	3406.68
Ba 389.178	108.717	ppb	0.2835	0.3	2302.20
Be 313.042	50.7935	ppb	0.0093	0.0	116340
Ca 370.602	25603	ppb	13.44	0.1	94601
Cd 226.502	49.4129	ppb	0.2915	0.6	1475.84
Co 228.615	51.1503	ppb	0.3613	0.7	382.274
Cr 267.716	102.034	ppb	0.0947	0.1	2631.18
Cu 324.754	111.112	ppb	0.6166	0.6	5576.13
Fe 271.441	4971.80	ppb	10.4500	0.2	4430.10
K 766.491	7815.64	ppb	6.6980	0.1	1001002
Mg 279.078	11611.7	ppb	8.5656	0.1	24539.5
Mn 257.610	531.231	ppb	0.2212	0.0	73475.2
Mo 202.032	100.787	ppb	0.4006	0.4	563.165
Na 330.237	28784.9	ppb	69.2318	0.2	1764.40
Ni 231.604	103.584	ppb	0.9215	0.9	287.275
Pb 220.353	53.0489	ppb	5.3941	10.2	51.8288
Sb 206.834	50.3523	ppb	2.1741	4.3	46.4203
Se 196.026	95.4055	ppb	5.6105	5.9	41.3046

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Sn 189.925	194.187	ppb	0.7972	0.4	99.6073
Sr 216.596	231.092	ppb	0.4746	0.2	1679.82
Ti 334.941	101.263	ppb	0.0643	0.1	35508.2
Tl 190.794	39.5327	ppb	6.5937	16.7	12.5095
V 292.401	102.264	ppb	0.0901	0.1	3269.06
Zn 206.200	119.298	ppb	0.7077	0.6	242.460

680-104944-c-1-c msd (Samp) **9/11/2014, 10:38:03 AM** **Rack 1, Tube 21**

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

Label	Replicates Concentration		
Ag 328.068	51.8526	52.0467	51.6261
Al 308.215	5237.04	5235.04	5238.16
As 188.980	106.394	103.077	104.186
B 249.678	244.994	245.279	246.585
Ba 389.178	107.646	108.241	108.178
Be 313.042	50.5073	50.5703	50.5458
Ca 370.602	26097	26111	26084
Cd 226.502	48.6952	49.0379	48.9368
Co 228.615	50.4333	50.7975	51.1791
Cr 267.716	101.202	100.838	101.552
Cu 324.754	109.824	110.303	110.071
Fe 271.441	4939.52	4951.23	4957.61
K 766.491	7852.18	7860.29	7847.01
Mg 279.078	11766.4	11766.7	11759.0
Mn 257.610	528.846	529.068	528.921
Mo 202.032	100.730	99.2366	100.885
Na 330.237	29433.5	29422.6	29502.5
Ni 231.604	101.943	103.028	104.066
Pb 220.353	53.4764	51.2376	47.7538
Sb 206.834	53.9398	51.3844	43.9603
Se 196.026	102.228	93.7528	97.1062
Sn 189.925	194.516	203.224	196.850
Sr 216.596	234.815	234.709	233.358
Ti 334.941	100.765	100.825	101.166
Tl 190.794	37.4699	36.0303	36.7998
V 292.401	100.946	101.572	101.536
Zn 206.200	119.671	118.088	121.943

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	51.8418	ppb	0.2105	0.4	2477.80
Al 308.215	5236.75	ppb	1.5785	0.0	30023.4
As 188.980	104.552	ppb	1.6886	1.6	44.8141
B 249.678	245.619	ppb	0.8487	0.3	3391.24
Ba 389.178	108.022	ppb	0.3268	0.3	2287.95
Be 313.042	50.5411	ppb	0.0318	0.1	115746
Ca 370.602	26097	ppb	13.50	0.1	96428
Cd 226.502	48.8900	ppb	0.1761	0.4	1460.51
Co 228.615	50.8033	ppb	0.3729	0.7	379.618
Cr 267.716	101.197	ppb	0.3573	0.4	2609.66
Cu 324.754	110.066	ppb	0.2395	0.2	5525.05
Fe 271.441	4949.45	ppb	9.1744	0.2	4410.25

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
K 766.491	7853.16	ppb	6.6941	0.1	1005799
Mg 279.078	11764.0	ppb	4.3816	0.0	24861.2
Mn 257.610	528.945	ppb	0.1127	0.0	73160.4
Mo 202.032	100.284	ppb	0.9103	0.9	560.383
Na 330.237	29452.9	ppb	43.3119	0.1	1804.15
Ni 231.604	103.013	ppb	1.0616	1.0	285.706
Pb 220.353	50.8226	ppb	2.8838	5.7	49.6262
Sb 206.834	49.7615	ppb	5.1839	10.4	45.9240
Se 196.026	97.6955	ppb	4.2680	4.4	42.0953
Sn 189.925	198.197	ppb	4.5071	2.3	101.773
Sr 216.596	234.294	ppb	0.8121	0.3	1703.12
Ti 334.941	100.918	ppb	0.2165	0.2	35387.4
Tl 190.794	36.7667	ppb	0.7204	2.0	11.1349
V 292.401	101.351	ppb	0.3512	0.3	3239.82
Zn 206.200	119.901	ppb	1.9376	1.6	243.677

680-104944-d-2-a (Samp) **9/11/2014, 10:42:31 AM** **Rack 1, Tube 22**

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

Label	Replicates Concentration		
Ag 328.068	-0.2407u	-0.0693u	-0.0501u
Al 308.215	122.975	128.302	128.724
As 188.980	-1.8040u	2.3004	3.4295
B 249.678	57.0397	56.9334	56.1283
Ba 389.178	20.8315	19.3374	20.6087
Be 313.042	0.0311	0.0104	0.0205
Ca 370.602	25146	25177	25172
Cd 226.502	-0.1521u	-0.2378u	-0.0140
Co 228.615	8.0238	6.7827	7.9666
Cr 267.716	0.0742	0.3364	0.0958
Cu 324.754	2.8330	2.6680	2.5014
Fe 271.441	438.242	437.603	437.377
K 766.491	4861.36	4865.47	4858.16
Mg 279.078	5426.52	5447.10	5445.77
Mn 257.610	129.310	129.431	129.334
Mo 202.032	0.5281	1.1919	1.2625
Na 330.237	80222.5	79915.6	80033.7
Ni 231.604	1.1773	0.9470	-0.0646u
Pb 220.353	-0.0030u	4.3002	-1.9251u
Sb 206.834	-1.6199u	-3.6702u	5.4217
Se 196.026	-9.9919u	3.2570	0.1178
Sn 189.925	-1.4796u	-2.7798u	-5.6571u
Sr 216.596	115.254	116.185	115.411
Ti 334.941	0.5432	0.4764	0.3875
Tl 190.794	-5.9221u	0.0677	-2.1019u
V 292.401	1.1606	1.4008	1.5367
Zn 206.200	10.1481	10.0756	9.8322

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.1200	ppb	0.1049	87.4	-15.0152
Al 308.215	126.667	ppb	3.2043	2.5	1058.43
As 188.980	1.3086	ppb	2.7541	210.5	-4.6018

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Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
B 249.678	56.7004	ppb	0.4984	0.9	812.428
Ba 389.178	20.2592	ppb	0.8060	4.0	419.749
Be 313.042	0.0207	ppb	0.0104	50.2	-3022.97
Ca 370.602	25165	ppb	16.61	0.1	93023
Cd 226.502	-0.1346	ppb	0.1129	83.9	15.4614
Co 228.615	7.5911	ppb	0.7006	9.2	48.4637
Cr 267.716	0.1688	ppb	0.1456	86.2	9.7298
Cu 324.754	2.6675	ppb	0.1658	6.2	330.317
Fe 271.441	437.741	ppb	0.4486	0.1	409.067
K 766.491	4861.66	ppb	3.6644	0.1	623321
Mg 279.078	5439.79	ppb	11.5186	0.2	11512.8
Mn 257.610	129.358	ppb	0.0641	0.0	17937.6
Mo 202.032	0.9942	ppb	0.4052	40.8	11.3173
Na 330.237	80057.3	ppb	154.791	0.2	4818.32
Ni 231.604	0.6866	ppb	0.6606	96.2	5.0716
Pb 220.353	0.7907	ppb	3.1877	403.1	0.4365
Sb 206.834	0.0439	ppb	4.7688	10868.7	4.9398
Se 196.026	-2.2057	ppb	6.9233	313.9	7.5719
Sn 189.925	-3.3055	ppb	2.1378	64.7	-7.0363
Sr 216.596	115.617	ppb	0.4986	0.4	845.010
Ti 334.941	0.4690	ppb	0.0781	16.7	89.4414
Tl 190.794	-2.6521	ppb	3.0326	114.3	-8.3554
V 292.401	1.3660	ppb	0.1904	13.9	45.6870
Zn 206.200	10.0186	ppb	0.1655	1.7	22.0061

680-104944-b-3-a (Samp) **9/11/2014, 10:47:00 AM** **Rack 1, Tube 23**

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

Label	Replicates Concentration		
Ag 328.068	0.0296	-0.2496u	0.2225
Al 308.215	13.9989	14.7154	10.8893
As 188.980	4.0898	2.4722	-4.5333u
B 249.678	7.9823	7.7816	8.0356
Ba 389.178	12.4909	12.7971	12.6148
Be 313.042	-0.0554u	-0.0417u	-0.0549u
Ca 370.602	24439	24430	24466
Cd 226.502	-0.2470u	-0.0753u	-0.0935u
Co 228.615	0.3899	-0.5136u	0.0635
Cr 267.716	0.2431	0.0412	0.0772
Cu 324.754	0.2236u	0.1933u	0.1894u
Fe 271.441	459.912	455.814	464.449
K 766.491	655.142	654.475	655.739
Mg 279.078	5143.73	5155.14	5158.55
Mn 257.610	34.3962	34.3910	34.3124
Mo 202.032	0.1439	-0.4166u	0.4622
Na 330.237	17147.8	16982.5	16919.6
Ni 231.604	0.8375	1.7262	1.6003
Pb 220.353	2.1869	5.0801	5.3432
Sb 206.834	-0.8398u	-1.2890u	2.0638
Se 196.026	0.9253	1.2242	-0.4565u
Sn 189.925	0.5060	0.3600	-4.9391u
Sr 216.596	143.051	142.799	143.228

Label	Replicates Concentration		
Ti 334.941	0.2251	0.1676	0.2490
Tl 190.794	-0.5264u	-0.2519u	-1.7130u
V 292.401	0.4897	0.4990	0.5561
Zn 206.200	1.8035	1.1596	1.9811

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	0.0008	ppb	0.2374	28888.0	-9.5394
Al 308.215	13.2012	ppb	2.0340	15.4	415.430
As 188.980	0.6762	ppb	4.5835	677.8	-4.9049
B 249.678	7.9332	ppb	0.1339	1.7	146.053
Ba 389.178	12.6343	ppb	0.1540	1.2	258.895
Be 313.042	-0.0507	ppb	0.0078	15.3	-3182.94
Ca 370.602	24445	ppb	18.59	0.1	90361
Cd 226.502	-0.1386	ppb	0.0943	68.1	15.6525
Co 228.615	-0.0201	ppb	0.4575	2280.6	-9.8843
Cr 267.716	0.1205	ppb	0.1077	89.4	7.9765
Cu 324.754	0.2021	ppb	0.0187	9.3	211.713
Fe 271.441	460.058	ppb	4.3193	0.9	428.373
K 766.491	655.118	ppb	0.6323	0.1	85494.2
Mg 279.078	5152.48	ppb	7.7608	0.2	10905.9
Mn 257.610	34.3665	ppb	0.0470	0.1	4819.26
Mo 202.032	0.0631	ppb	0.4449	704.7	6.1629
Na 330.237	17016.6	ppb	117.843	0.7	1068.42
Ni 231.604	1.3880	ppb	0.4809	34.6	6.9952
Pb 220.353	4.2034	ppb	1.7513	41.7	3.8215
Sb 206.834	-0.0216	ppb	1.8200	8409.3	4.8995
Se 196.026	0.5643	ppb	0.8966	158.9	8.5093
Sn 189.925	-1.3577	ppb	3.1024	228.5	-5.9968
Sr 216.596	143.026	ppb	0.2158	0.2	1043.30
Ti 334.941	0.2139	ppb	0.0418	19.5	4.5028
Tl 190.794	-0.8305	ppb	0.7765	93.5	-7.4705
V 292.401	0.5149	ppb	0.0360	7.0	19.0012
Zn 206.200	1.6481	ppb	0.4323	26.2	5.1093

680-104953-a-1-a (Samp) **9/11/2014, 10:51:29 AM** **Rack 1, Tube 24**

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

Label	Replicates Concentration		
Ag 328.068	-0.1322u	0.1692	0.1292
Al 308.215	146.409	146.059	148.312
As 188.980	2.7514	-2.4792u	-1.4823u
B 249.678	193.632	194.442	195.070
Ba 389.178	36.3893	36.7207	35.3942
Be 313.042	-0.1177u	-0.1001u	-0.0912u
Ca 370.602	60110	60041	60136
Cd 226.502	-0.4304u	0.1383	-0.0836u
Co 228.615	-0.1984u	0.6169	0.5732
Cr 267.716	1.8347	1.3011	1.7470
Cu 324.754	51.8544	51.7124	51.7199
Fe 271.441	733.751	735.365	729.888
K 766.491	25869.3	25815.2	25867.5
Mg 279.078	25775.7	25745.8	25783.0

Label	Replicates Concentration		
Mn 257.610	88.3610	88.1329	88.4246
Mo 202.032	6.2016	5.4795	5.1605
Na 330.237	270883x	272221x	273936x
Ni 231.604	4.7851	7.6221	5.4901
Pb 220.353	7.0355	4.1994	3.6317
Sb 206.834	-3.1646u	2.3879	-3.2863u
Se 196.026	-3.0948u	8.6802	5.6269
Sn 189.925	2.4156	3.1884	3.4800
Sr 216.596	390.090	390.598	391.733
Ti 334.941	6.3618	6.8318	7.7221
Tl 190.794	-1.3317u	-2.3954u	-2.8749u
V 292.401	1.3500	1.0301	0.7622
Zn 206.200	142.222	140.757	139.829

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	0.0554b	ppb	0.1637	295.4	-7.0073
Al 308.215	146.927b	ppb	1.2126	0.8	1173.49
As 188.980	-0.4034b	ppb	2.7772	688.5	-5.4224
B 249.678	194.381b	ppb	0.7209	0.4	2693.47
Ba 389.178	36.1681b	ppb	0.6904	1.9	805.403
Be 313.042	-0.1030b	ppb	0.0135	13.1	-3326.11
Ca 370.602	60096b	ppb	48.94	0.1	222156
Cd 226.502	-0.1252b	ppb	0.2866	228.9	15.9802
Co 228.615	0.3306b	ppb	0.4586	138.7	-7.1757
Cr 267.716	1.6276b	ppb	0.2862	17.6	48.8680
Cu 324.754	51.7623b	ppb	0.0799	0.2	2672.37
Fe 271.441	733.001b	ppb	2.8143	0.4	670.248
K 766.491	25850.7b	ppb	30.7249	0.1	3306868
Mg 279.078	25768.2b	ppb	19.6851	0.1	54448.5
Mn 257.610	88.3062b	ppb	0.1534	0.2	12384.5
Mo 202.032	5.6139b	ppb	0.5334	9.5	36.8592
Na 330.237	272347xb	ppb	1530.42	0.6	16255.9
Ni 231.604	5.9658b	ppb	1.4771	24.8	19.5523
Pb 220.353	4.9555b	ppb	1.8235	36.8	4.5518
Sb 206.834	-1.3543b	ppb	3.2414	239.3	3.6890
Se 196.026	3.7375b	ppb	6.1107	163.5	9.7965
Sn 189.925	3.0280b	ppb	0.5500	18.2	-3.5778
Sr 216.596	390.807b	ppb	0.8416	0.2	2844.92
Ti 334.941	6.9719b	ppb	0.6909	9.9	2400.18
Tl 190.794	-2.2007b	ppb	0.7898	35.9	-8.1557
V 292.401	1.0474b	ppb	0.2943	28.1	33.1625
Zn 206.200	140.936b	ppb	1.2067	0.9	286.290

Cont Calib Verif (CCV) **9/11/2014, 10:55:56 AM** **Rack 1, Tube 25**

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

Label	Replicates Concentration		
Ag 328.068	494.733	494.882	499.656
Al 308.215	4864.54	4859.82	4850.64
As 188.980	471.142	468.159	475.980
B 249.678	496.975	499.861	498.925
Ba 389.178	4887.40	4892.58	4877.30

Label	Replicates Concentration		
Be 313.042	488.800	491.304	487.490
Ca 370.602	4893	4914	4885
Cd 226.502	486.424	485.583	485.406
Co 228.615	489.154	489.037	486.765
Cr 267.716	4901.28	4904.69	4884.60
Cu 324.754	4877.97	4881.96	4952.52
Fe 271.441	4881.22	4885.22	4863.38
K 766.491	9863.07	9863.24	9830.60
Mg 279.078	4885.05	4883.01	4866.62
Mn 257.610	4980.07	4996.32	4959.10
Mo 202.032	490.292	491.141	488.427
Na 330.237	7303.48	7271.84	6970.54
Ni 231.604	2475.90	2465.26	2461.99
Pb 220.353	490.351	492.775	489.989
Sb 206.834	931.707	927.134	940.486
Se 196.026	4856.03	4865.67	4867.16
Sn 189.925	4866.42	4851.96	4840.81
Sr 216.596	2443.35	2440.79	2431.80
Ti 334.941	483.914	484.698	483.064
Tl 190.794	4983.53	4949.23	4936.34
V 292.401	4882.54	4892.05	4867.53
Zn 206.200	2448.41	2449.89	2441.38

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Ag 328.068	496.424	ppb	2.7999	0.6	23824.8	99.28474
Al 308.215	4858.34	ppb	7.0673	0.1	28147.9	97.16673
As 188.980	471.761	ppb	3.9470	0.8	220.697	94.35211
B 249.678	498.587	ppb	1.4723	0.3	6859.60	99.71743
Ba 389.178	4885.76	ppb	7.7679	0.2	102647	97.71516
Be 313.042	489.198	ppb	1.9380	0.4	1148190	97.83958
Ca 370.602	4897	ppb	14.72	0.3	18139	97.94768
Cd 226.502	485.804	ppb	0.5441	0.1	14231.6	97.16081
Co 228.615	488.319	ppb	1.3468	0.3	3732.68	97.66375
Cr 267.716	4896.86	ppb	10.7524	0.2	126042	97.93712
Cu 324.754	4904.15	ppb	41.9383	0.9	237466	98.08308
Fe 271.441	4876.61	ppb	11.6303	0.2	4391.73	97.53214
K 766.491	9852.30	ppb	18.7971	0.2	1261399	98.52304
Mg 279.078	4878.23	ppb	10.1026	0.2	10317.6	97.56453
Mn 257.610	4978.50	ppb	18.6597	0.4	687537	99.56999
Mo 202.032	489.953	ppb	1.3883	0.3	2714.76	97.99068
Na 330.237	7181.95	ppb	183.773	2.6	466.336	95.75938
Ni 231.604	2467.72	ppb	7.2764	0.3	6767.27	98.70868
Pb 220.353	491.038	ppb	1.5148	0.3	487.195	98.20763
Sb 206.834	933.109	ppb	6.7853	0.7	816.510	93.31088
Se 196.026	4862.95	ppb	6.0424	0.1	1683.59	97.25903
Sn 189.925	4853.07	ppb	12.8397	0.3	2615.59	97.06132
Sr 216.596	2438.65	ppb	6.0648	0.2	17578.3	97.54593
Ti 334.941	483.892	ppb	0.8175	0.2	169881	96.77840
Tl 190.794	4956.37	ppb	24.3919	0.5	2459.49	99.12730
V 292.401	4880.71	ppb	12.3598	0.3	156810	97.61412
Zn 206.200	2446.56	ppb	4.5489	0.2	4928.79	97.86240

Cont Calib Blank (CCB) **9/11/2014, 11:00:23 AM** **Rack 1, Tube 26**

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

Label	Replicates	Concentration	
Ag 328.068	0.0242	0.0007	0.1661
Al 308.215	2.0443	-1.1956u	0.9089
As 188.980	-3.3930u	-1.9584u	-0.7925u
B 249.678	5.4832	4.7940	4.2133
Ba 389.178	0.1696	-0.2923u	-0.1711u
Be 313.042	0.0112	-0.0184u	0.0033
Ca 370.602	0.5304	3.936	-1.052u
Cd 226.502	0.1099	-0.2544u	-0.2380u
Co 228.615	0.5734	-0.1130u	0.3936
Cr 267.716	0.2642	0.4877	0.1927
Cu 324.754	0.5793	0.2455	0.3847
Fe 271.441	1.1495	-2.5748u	3.8414
K 766.491	0.7891	0.8542	0.6052
Mg 279.078	2.3400	2.7946	-0.1481u
Mn 257.610	0.1497	0.1335	0.0866
Mo 202.032	0.4802	0.9461	1.1907
Na 330.237	13.2205	22.3359	47.3761
Ni 231.604	0.1938	1.7235	0.8508
Pb 220.353	4.1537	0.8916	-2.8015u
Sb 206.834	-2.5977u	6.4462	1.6709
Se 196.026	-3.4906u	6.5920	0.6510
Sn 189.925	2.1707	1.1530	0.8341
Sr 216.596	-0.0697u	-0.6904u	0.8218
Ti 334.941	0.1277	0.1260	0.1057
Tl 190.794	1.1737	5.0482	1.3663
V 292.401	0.5127	0.3806	0.3296
Zn 206.200	-1.2824u	1.7895	-0.5322u

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Ag 328.068	0.0637	ppb	0.0894	140.5	-6.5200	0.06368
Al 308.215	0.5858	ppb	1.6439	280.6	344.006	0.58584
As 188.980	-2.0480	ppb	1.3025	63.6	-6.2056	-2.04796
B 249.678	4.8302	ppb	0.6357	13.2	103.983	4.83018
Ba 389.178	-0.0979	ppb	0.2395	244.5	-22.3165	-0.09795
Be 313.042	-0.0013	ppb	0.0153	1158.3	-3074.71	-0.00132
Ca 370.602	1.138	ppb	2.549	224.0	1.207	1.13804
Cd 226.502	-0.1275	ppb	0.2058	161.4	14.7894	-0.12747
Co 228.615	0.2846	ppb	0.3559	125.0	-7.5881	0.28464
Cr 267.716	0.3149	ppb	0.1539	48.9	12.8429	0.31487
Cu 324.754	0.4032	ppb	0.1677	41.6	245.008	0.40317
Fe 271.441	0.8054	ppb	3.2219	400.1	21.3865	0.80537
K 766.491	0.7495	ppb	0.1291	17.2	1829.99	0.74952
Mg 279.078	1.6622	ppb	1.5841	95.3	27.5728	1.66216
Mn 257.610	0.1232	ppb	0.0328	26.6	60.4179	0.12324
Mo 202.032	0.8723	ppb	0.3610	41.4	10.6793	0.87231
Na 330.237	27.6441	ppb	17.6857	64.0	58.0567	27.64414
Ni 231.604	0.9227	ppb	0.7674	83.2	5.7034	0.92270
Pb 220.353	0.7479	ppb	3.4798	465.3	0.4064	0.74794
Sb 206.834	1.8398	ppb	4.5244	245.9	6.4594	1.83980
Se 196.026	1.2508	ppb	5.0680	405.2	8.6090	1.25079

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Sn 189.925	1.3859	ppb	0.6981	50.4	-4.5185	1.38591
Sr 216.596	0.0206	ppb	0.7601	3696.0	2.3450	0.02057
Ti 334.941	0.1198	ppb	0.0123	10.2	-38.0608	0.11981
Tl 190.794	2.5294	ppb	2.1835	86.3	-5.7878	2.52941
V 292.401	0.4077	ppb	0.0945	23.2	15.1844	0.40766
Zn 206.200	-0.0084	ppb	1.6015	19145.9	1.7547	-0.00836

680-105066-b-1-a (Samp) **9/11/2014, 11:04:49 AM** **Rack 1, Tube 27**

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

Label	Replicates Concentration		
Ag 328.068	-1.4466u	-1.1606u	-1.3297u
Al 308.215	4187.63	4189.42	4181.55
As 188.980	19.3876	12.7975	16.5969
B 249.678	5169.78	5200.71	5204.82
Ba 389.178	439.161	438.487	437.199
Be 313.042	-0.0799u	-0.0697u	-0.0753u
Ca 370.602	16149	16176	16160
Cd 226.502	72.7895	72.9099	72.6180
Co 228.615	4.4119	4.7961	5.3501
Cr 267.716	35338.0x	35450.7x	35432.8x
Cu 324.754	30.8639	30.8858	30.6381
Fe 271.441	651.735	637.363	658.819
K 766.491	4093.48	4096.76	4094.79
Mg 279.078	2203.74	2216.13	2205.11
Mn 257.610	80.4903	80.5530	80.5308
Mo 202.032	4.4156	5.5001	4.1188
Na 330.237	24583.7	24607.3	24790.7
Ni 231.604	12.3044	12.3746	13.1007
Pb 220.353	-14.9190	-15.9999	-12.8857
Sb 206.834	-87.6081	-86.4068	-85.9504
Se 196.026	-6.2006u	-10.9351u	2.6502
Sn 189.925	50.1431	49.2868	55.1672
Sr 216.596	21708.4x	21752.5x	21751.8x
Ti 334.941	42.1870	43.1448	40.8497
Tl 190.794	7.5504	9.5764	3.3906
V 292.401	28.6968u	28.7268u	28.1848u
Zn 206.200	25702.5	25739.9	25739.7

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-1.3123b	ppb	0.1437	11.0	-57.0900
Al 308.215	4186.20b	ppb	4.1286	0.1	24057.2
As 188.980	16.2607b	ppb	3.3079	20.3	2.5572
B 249.678	5191.77b	ppb	19.1540	0.4	70978.0
Ba 389.178	438.282b	ppb	0.9971	0.2	9193.12
Be 313.042	-0.0749b	ppb	0.0051	6.8	-3260.11
Ca 370.602	16162b	ppb	13.53	0.1	59748
Cd 226.502	72.7725b	ppb	0.1467	0.2	2146.65
Co 228.615	4.8527b	ppb	0.4717	9.7	27.9902
Cr 267.716	35407.2xb	ppb	60.5277	0.2	911635
Cu 324.754	30.7959b	ppb	0.1371	0.4	1700.23
Fe 271.441	649.306b	ppb	10.9321	1.7	438.523

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
K 766.491	4095.01b	ppb	1.6537	0.0	525301
Mg 279.078	2208.33b	ppb	6.7927	0.3	4687.51
Mn 257.610	80.5247b	ppb	0.0318	0.0	11176.1
Mo 202.032	4.6782b	ppb	0.7271	15.5	31.7308
Na 330.237	24660.6b	ppb	113.322	0.5	1446.31
Ni 231.604	12.5932b	ppb	0.4409	3.5	37.7607
Pb 220.353	-14.6016b	ppb	1.5812	10.8	2.6382
Sb 206.834	-86.6551b	ppb	0.8563	1.0	157.286
Se 196.026	-4.8285b	ppb	6.8958	142.8	6.6153
Sn 189.925	51.5324b	ppb	3.1768	6.2	22.5693
Sr 216.596	21737.6xb	ppb	25.2254	0.1	157385
Ti 334.941	42.0605b	ppb	1.1528	2.7	14694.3
Tl 190.794	6.8391b	ppb	3.1536	46.1	-3.7123
V 292.401	28.5361b	ppb	0.3047	1.1	-1487.89
Zn 206.200	25727.4b	ppb	21.5471	0.1	51851.0

680-105073-a-1-a (Samp) **9/11/2014, 11:09:16 AM** **Rack 1, Tube 28**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Replicates Concentration		
Ag 328.068	-0.1589u	-0.2488u	0.1800
Al 308.215	324.104	323.558	324.956
As 188.980	4.3999	0.7670	-3.2519u
B 249.678	886.843	884.865	883.419
Ba 389.178	96.8545	97.6255	96.4283
Be 313.042	-0.0437u	-0.0389u	-0.0285u
Ca 370.602	6157	6160	6168
Cd 226.502	0.3384	0.0174	0.0818
Co 228.615	0.8873	0.1135	0.9242
Cr 267.716	68.9850	68.8143	67.9164
Cu 324.754	3.7150	3.1765	3.2652
Fe 271.441	401.007	404.921	400.511
K 766.491	4238.20	4239.17	4235.38
Mg 279.078	1309.23	1299.51	1306.26
Mn 257.610	20.4764	20.6062	20.5543
Mo 202.032	0.1873	0.8195	1.0435
Na 330.237	165053x	164598x	164319x
Ni 231.604	2.8416	3.8261	3.8867
Pb 220.353	3.8984	0.2949	0.1800
Sb 206.834	6.4842	0.9897	-0.2520
Se 196.026	-3.5673u	-0.4458u	-11.8356u
Sn 189.925	2.9684	-0.3682u	-0.3950u
Sr 216.596	788.116	791.603	789.967
Ti 334.941	1.4904	1.7713	1.5232
Tl 190.794	-2.8823u	-2.6256u	-4.3781u
V 292.401	1.7750	1.8751	1.7175
Zn 206.200	53.1499	50.3347	51.8926

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.0759b	ppb	0.2261	297.8	-13.1725
Al 308.215	324.206b	ppb	0.7048	0.2	2177.67
As 188.980	0.6383b	ppb	3.8275	599.6	-4.9225

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Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
B 249.678	885.042b	ppb	1.7192	0.2	12130.4
Ba 389.178	96.9695b	ppb	0.6068	0.6	2020.82
Be 313.042	-0.0370b	ppb	0.0078	21.0	-3176.63
Ca 370.602	6162b	ppb	6.054	0.1	22771
Cd 226.502	0.1459b	ppb	0.1698	116.4	23.2225
Co 228.615	0.6417b	ppb	0.4577	71.3	-4.8039
Cr 267.716	68.5719b	ppb	0.5741	0.8	1771.61
Cu 324.754	3.3856b	ppb	0.2887	8.5	383.349
Fe 271.441	402.147b	ppb	2.4156	0.6	376.777
K 766.491	4237.58b	ppb	1.9642	0.0	543530
Mg 279.078	1305.00b	ppb	4.9799	0.4	2779.58
Mn 257.610	20.5457b	ppb	0.0653	0.3	2888.31
Mo 202.032	0.6834b	ppb	0.4440	65.0	9.5999
Na 330.237	164657xb	ppb	370.115	0.2	9850.52
Ni 231.604	3.5182b	ppb	0.5867	16.7	12.8321
Pb 220.353	1.4578b	ppb	2.1144	145.0	1.1248
Sb 206.834	2.4073b	ppb	3.5848	148.9	7.3786
Se 196.026	-5.2829b	ppb	5.8856	111.4	6.3990
Sn 189.925	0.7351b	ppb	1.9342	263.1	-4.8373
Sr 216.596	789.895b	ppb	1.7444	0.2	5722.56
Ti 334.941	1.5950b	ppb	0.1536	9.6	469.011
Tl 190.794	-3.2953b	ppb	0.9464	28.7	-8.6970
V 292.401	1.7892b	ppb	0.0797	4.5	53.9912
Zn 206.200	51.7924b	ppb	1.4103	2.7	106.167

680-104723-a-6-b (Samp) **9/11/2014, 11:13:43 AM** **Rack 1, Tube 29**

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

Label	Replicates Concentration		
Ag 328.068	-0.7467u	-0.5146u	0.1799
Al 308.215	2552.93	2522.08	2444.22
As 188.980	5.9630	8.1294	9.0030
B 249.678	57.4074	55.6676	54.2746
Ba 389.178	23.8215	24.4918	23.3293
Be 313.042	0.0785	0.0913	0.0794
Ca 370.602	2771	2760	2748
Cd 226.502	-0.1932	-0.2865	-0.0417
Co 228.615	0.4056	-0.2243u	0.2099
Cr 267.716	6.0300	5.5241	5.4805
Cu 324.754	1.3120	1.4983	1.4300
Fe 271.441	9238.21	9238.75	9175.82
K 766.491	1645.48	1638.28	1628.67
Mg 279.078	1079.72	1065.80	1065.51
Mn 257.610	151.809	151.556	150.879
Mo 202.032	-0.3724u	1.0115	0.6984
Na 330.237	17645.1	17709.3	17554.8
Ni 231.604	0.3318	1.3894	2.2654
Pb 220.353	24.5616	22.0643	23.8654
Sb 206.834	2.6355	-0.2479u	-0.9146u
Se 196.026	-4.4706u	-2.5506u	-10.5149u
Sn 189.925	5.0915	3.6157	0.8036
Sr 216.596	16.0088	15.8924	16.2795

Label	Replicates Concentration		
Ti 334.941	70.9793	69.5565	66.3433
Tl 190.794	-1.0097u	5.4110	5.5743
V 292.401	7.4731	7.5897	6.9194
Zn 206.200	9.3601	9.0365	10.1815

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.3604	ppb	0.4821	133.8	-27.2891
Al 308.215	2506.41	ppb	56.0254	2.2	14542.3
As 188.980	7.6985	ppb	1.5651	20.3	-1.6061
B 249.678	55.7832	ppb	1.5696	2.8	793.857
Ba 389.178	23.8808	ppb	0.5835	2.4	500.940
Be 313.042	0.0831	ppb	0.0071	8.6	-2875.18
Ca 370.602	2760	ppb	11.69	0.4	10085
Cd 226.502	-0.1738	ppb	0.1236	71.1	37.3804
Co 228.615	0.1304	ppb	0.3224	247.2	-7.3051
Cr 267.716	5.6782	ppb	0.3055	5.4	151.030
Cu 324.754	1.4134	ppb	0.0943	6.7	289.830
Fe 271.441	9217.59	ppb	36.1736	0.4	8188.65
K 766.491	1637.48	ppb	8.4306	0.5	211094
Mg 279.078	1070.34	ppb	8.1193	0.8	2266.14
Mn 257.610	151.415	ppb	0.4808	0.3	20977.8
Mo 202.032	0.4458	ppb	0.7257	162.8	7.5501
Na 330.237	17636.4	ppb	77.5777	0.4	1100.16
Ni 231.604	1.3289	ppb	0.9682	72.9	7.1464
Pb 220.353	23.4971	ppb	1.2888	5.5	22.7022
Sb 206.834	0.4910	ppb	1.8869	384.3	5.3632
Se 196.026	-5.8454	ppb	4.1563	71.1	6.3242
Sn 189.925	3.1703	ppb	2.1784	68.7	-3.5514
Sr 216.596	16.0603	ppb	0.1986	1.2	125.400
Ti 334.941	68.9597	ppb	2.3749	3.4	24141.9
Tl 190.794	3.3252	ppb	3.7550	112.9	-5.7585
V 292.401	7.3274	ppb	0.3581	4.9	242.522
Zn 206.200	9.5260	ppb	0.5903	6.2	21.1936

RLV (Samp) **9/11/2014, 11:18:10 AM** **Rack 1, Tube 30**

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

Label	Replicates Concentration		
Ag 328.068	21.4498	21.0365	21.4373
Al 308.215	420.238	423.024	423.919
As 188.980	42.3282	39.3758	44.8668
B 249.678	211.307	214.414	213.125
Ba 389.178	21.1152	21.0265	20.4764
Be 313.042	8.5918	8.6593	8.6322
Ca 370.602	1040	1043	1050
Cd 226.502	9.9929	10.2682	10.2443
Co 228.615	20.8636	20.1879	20.4332
Cr 267.716	20.9530	21.5001	21.2704
Cu 324.754	43.2007	43.5356	42.9591
Fe 271.441	109.546	109.527	107.739
K 766.491	1977.46	1990.83	1982.62
Mg 279.078	1016.52	1021.17	1015.34

Label	Replicates Concentration		
Mn 257.610	21.6866	21.8785	21.7256
Mo 202.032	20.5485	20.6785	20.1995
Na 330.237	2150.04	2010.81	2115.13
Ni 231.604	84.4473	83.6284	84.4992
Pb 220.353	24.7688	25.2976	20.3749
Sb 206.834	41.6682	47.8920	38.7110
Se 196.026	41.6441	34.9367	31.9976
Sn 189.925	100.544	97.0449	104.411
Sr 216.596	19.6540	19.5282	20.3457
Ti 334.941	20.9562	21.1587	21.1159
Tl 190.794	51.0560	49.4446	48.5788
V 292.401	21.0377	21.0188	21.2634
Zn 206.200	44.1728	46.2236	44.8819

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	21.3079	ppb	0.2351	1.1	1012.32
Al 308.215	422.394	ppb	1.9195	0.5	2736.24
As 188.980	42.1903	ppb	2.7481	6.5	14.9763
B 249.678	212.949	ppb	1.5611	0.7	2948.02
Ba 389.178	20.8727	ppb	0.3460	1.7	421.049
Be 313.042	8.6278	ppb	0.0339	0.4	17211.1
Ca 370.602	1045	ppb	4.990	0.5	3862
Cd 226.502	10.1685	ppb	0.1525	1.5	316.025
Co 228.615	20.4949	ppb	0.3421	1.7	147.324
Cr 267.716	21.2412	ppb	0.2747	1.3	551.473
Cu 324.754	43.2318	ppb	0.2895	0.7	2316.19
Fe 271.441	108.937	ppb	1.0375	1.0	118.649
K 766.491	1983.64	ppb	6.7428	0.3	255352
Mg 279.078	1017.68	ppb	3.0798	0.3	2173.32
Mn 257.610	21.7636	ppb	0.1014	0.5	3054.62
Mo 202.032	20.4755	ppb	0.2477	1.2	119.149
Na 330.237	2091.99	ppb	72.4387	3.5	180.333
Ni 231.604	84.1916	ppb	0.4884	0.6	233.944
Pb 220.353	23.4805	ppb	2.7024	11.5	22.8709
Sb 206.834	42.7571	ppb	4.6864	11.0	40.8451
Se 196.026	36.1928	ppb	4.9444	13.7	20.6516
Sn 189.925	100.667	ppb	3.6847	3.7	49.0976
Sr 216.596	19.8426	ppb	0.4402	2.2	143.284
Ti 334.941	21.0770	ppb	0.1067	0.5	7324.44
Tl 190.794	49.6931	ppb	1.2572	2.5	17.6665
V 292.401	21.1067	ppb	0.1361	0.6	676.222
Zn 206.200	45.0928	ppb	1.0415	2.3	92.7510

680-104777-a-1-b (Samp) **9/11/2014, 11:24:24 AM** **Rack 1, Tube 31**

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

Label	Replicates Concentration		
Ag 328.068	0.3027	-0.6323u	0.2213
Al 308.215	5.1762	6.2684	7.2380
As 188.980	-11.3549u	-4.0050u	-3.4786u
B 249.678	6.9918	6.6366	6.6869
Ba 389.178	10.0723	10.8994	9.3566

Label	Replicates Concentration		
Be 313.042	0.0053	-0.0003u	-0.0176u
Ca 370.602	1049	1056	1052
Cd 226.502	-0.0185u	-0.0599u	0.0678
Co 228.615	0.8254	-0.0881u	0.2064
Cr 267.716	1.7699	1.9326	1.9176
Cu 324.754	0.0321	0.2018	0.4228
Fe 271.441	21.9622	26.8069	28.4760
K 766.491	135.994	136.757	136.204
Mg 279.078	580.223	585.049	583.964
Mn 257.610	1.5676	1.5566	1.5315
Mo 202.032	-0.5983u	0.2902	0.6456
Na 330.237	16978.7	17132.7	16950.5
Ni 231.604	0.6068	0.8798	1.0875
Pb 220.353	2.6761	0.0559	2.2119
Sb 206.834	-2.1510u	-5.9730u	2.3675
Se 196.026	17.1879	7.7370	18.0663
Sn 189.925	13.8966	2.8572	9.2850
Sr 216.596	6.9072	6.9697	6.2955
Ti 334.941	0.1752	0.1614	0.1776
Tl 190.794	9.9127	15.8770	17.4525
V 292.401	0.1306	0.4204	-0.0203u
Zn 206.200	3.4862	3.6577	3.5068

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.0361	ppb	0.5179	1434.7	-11.3090
Al 308.215	6.2275	ppb	1.0315	16.6	375.910
As 188.980	-6.2795	ppb	4.4033	70.1	-8.2317
B 249.678	6.7718	ppb	0.1922	2.8	130.477
Ba 389.178	10.1094	ppb	0.7721	7.6	193.608
Be 313.042	-0.0042	ppb	0.0119	283.3	-3083.19
Ca 370.602	1052	ppb	3.532	0.3	3887
Cd 226.502	-0.0035	ppb	0.0652	1847.0	18.4124
Co 228.615	0.3146	ppb	0.4662	148.2	-7.3424
Cr 267.716	1.8733	ppb	0.0899	4.8	53.1104
Cu 324.754	0.2189	ppb	0.1959	89.5	235.067
Fe 271.441	25.7484	ppb	3.3835	13.1	43.5033
K 766.491	136.319	ppb	0.3943	0.3	19163.2
Mg 279.078	583.079	ppb	2.5319	0.4	1255.56
Mn 257.610	1.5519	ppb	0.0185	1.2	261.002
Mo 202.032	0.1125	ppb	0.6407	569.5	6.4727
Na 330.237	17020.7	ppb	98.0896	0.6	1068.85
Ni 231.604	0.8581	ppb	0.2411	28.1	5.5270
Pb 220.353	1.6480	ppb	1.3982	84.8	1.2980
Sb 206.834	-1.9188	ppb	4.1751	217.6	3.3045
Se 196.026	14.3304	ppb	5.7269	40.0	13.1191
Sn 189.925	8.6796	ppb	5.5445	63.9	-0.5763
Sr 216.596	6.7241	ppb	0.3725	5.5	51.1328
Ti 334.941	0.1714	ppb	0.0087	5.1	-20.1223
Tl 190.794	14.4141	ppb	3.9771	27.6	0.1167
V 292.401	0.1769	ppb	0.2239	126.6	7.7122
Zn 206.200	3.5502	ppb	0.0936	2.6	8.9353

680-104777-a-2-b (Samp) **9/11/2014, 11:28:52 AM** **Rack 1, Tube 32**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Replicates Concentration		
Ag 328.068	-0.0550u	-0.0576u	0.2584
Al 308.215	1.9835	4.6149	3.4359
As 188.980	-13.5882u	-9.7773u	-17.0799u
B 249.678	12.9825	12.9689	13.4269
Ba 389.178	5.7387	6.3812	5.4130
Be 313.042	-0.0259u	-0.0281u	-0.0404u
Ca 370.602	44.22	44.69	46.70
Cd 226.502	0.0726	0.0161	-0.1592u
Co 228.615	0.5276	0.3882	0.0687
Cr 267.716	0.6469	0.5926	0.8376
Cu 324.754	0.4352	0.0197	0.2326
Fe 271.441	3.5732	11.5702	3.6698
K 766.491	8.7195	8.4043	8.4990
Mg 279.078	13.1800	8.2130	10.1793
Mn 257.610	-0.2707u	-0.2101u	-0.2018u
Mo 202.032	-0.7717u	-0.4745u	-0.3553u
Na 330.237	28956.5	28701.9	29057.5
Ni 231.604	-0.8823u	0.8892	0.7636
Pb 220.353	-1.2600u	0.7676	-2.6860u
Sb 206.834	-3.7532u	3.6620	-2.3349u
Se 196.026	17.6737	4.2307	19.9337
Sn 189.925	10.4504	7.9619	9.3282
Sr 216.596	-0.0628u	-0.1721u	0.8590
Ti 334.941	0.0665	0.0890	0.0996
Tl 190.794	17.4634	18.6158	21.6080
V 292.401	0.2426	-0.0526u	0.1192
Zn 206.200	3.1239	1.9693	3.0764

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	0.0486	ppb	0.1817	373.8	-7.2460
Al 308.215	3.3448	ppb	1.3181	39.4	359.527
As 188.980	-13.4818	ppb	3.6525	27.1	-11.6797
B 249.678	13.1261	ppb	0.2606	2.0	217.306
Ba 389.178	5.8443	ppb	0.4927	8.4	102.547
Be 313.042	-0.0315	ppb	0.0078	24.8	-3149.08
Ca 370.602	45.20	ppb	1.315	2.9	164.0
Cd 226.502	-0.0235	ppb	0.1209	515.0	17.7403
Co 228.615	0.3282	ppb	0.2353	71.7	-7.2269
Cr 267.716	0.6924	ppb	0.1287	18.6	22.8029
Cu 324.754	0.2292	ppb	0.2078	90.7	236.524
Fe 271.441	6.2711	ppb	4.5895	73.2	26.2444
K 766.491	8.5409	ppb	0.1617	1.9	2826.16
Mg 279.078	10.5241	ppb	2.5014	23.8	46.2752
Mn 257.610	-0.2275	ppb	0.0376	16.5	11.9711
Mo 202.032	-0.5338	ppb	0.2144	40.2	2.8971
Na 330.237	28905.3	ppb	183.207	0.6	1775.81
Ni 231.604	0.2568	ppb	0.9885	384.9	3.8785
Pb 220.353	-1.0595	ppb	1.7355	163.8	-1.3816
Sb 206.834	-0.8087	ppb	3.9361	486.7	4.2465
Se 196.026	13.9460	ppb	8.4893	60.9	12.9811

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Sn 189.925	9.2468	ppb	1.2462	13.5	-0.2676
Sr 216.596	0.2080	ppb	0.5664	272.3	3.7532
Ti 334.941	0.0851	ppb	0.0169	19.9	-52.6723
Tl 190.794	19.2291	ppb	2.1393	11.1	2.5095
V 292.401	0.1031	ppb	0.1482	143.9	5.4744
Zn 206.200	2.7232	ppb	0.6533	24.0	7.2685

CRI (Samp) **9/11/2014, 11:33:20 AM** **Rack 1, Tube 33**

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

Label	Replicates Concentration		
Ag 328.068	10.6840	10.4220	9.6841
Al 308.215	201.868	200.047	202.519
As 188.980	23.3059	21.8900	19.7218
B 249.678	100.273	100.180	100.066
Ba 389.178	9.8765	10.0639	10.2428
Be 313.042	4.0325	4.0370	4.0321
Ca 370.602	497.9	493.6	502.0
Cd 226.502	4.9857	5.1789	4.8078
Co 228.615	9.7794	10.7546	10.6576
Cr 267.716	10.1799	10.1692	9.7923
Cu 324.754	20.9212	20.8427	20.4356
Fe 271.441	46.0039	49.5502	53.8868
K 766.491	1020.45	1022.76	1022.59
Mg 279.078	497.116	500.007	498.061
Mn 257.610	10.3201	10.3153	10.3997
Mo 202.032	9.7911	9.3992	9.1197
Na 330.237	949.647	957.673	932.918
Ni 231.604	41.0163	40.7628	41.5130
Pb 220.353	11.6155	10.4300	9.4189
Sb 206.834	21.5897	25.1134	21.8915
Se 196.026	18.4118	19.5683	20.5550
Sn 189.925	54.7007	48.9308	55.1750
Sr 216.596	9.1588	9.8764	9.4531
Ti 334.941	10.0093	10.0790	10.0295
Tl 190.794	28.1685	28.3089	23.7590
V 292.401	9.9073	9.9939	9.9635
Zn 206.200	20.4352	21.1931	20.9453

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	10.2634	ppb	0.5185	5.1	482.639
Al 308.215	201.478	ppb	1.2812	0.6	1483.27
As 188.980	21.6393	ppb	1.8052	8.3	5.1358
B 249.678	100.173	ppb	0.1034	0.1	1406.92
Ba 389.178	10.0611	ppb	0.1831	1.8	192.471
Be 313.042	4.0339	ppb	0.0027	0.1	6411.51
Ca 370.602	497.8	ppb	4.237	0.9	1839
Cd 226.502	4.9908	ppb	0.1856	3.7	164.528
Co 228.615	10.3972	ppb	0.5373	5.2	69.9412
Cr 267.716	10.0471	ppb	0.2208	2.2	263.347
Cu 324.754	20.7332	ppb	0.2607	1.3	1228.15
Fe 271.441	49.8136	ppb	3.9481	7.9	65.5433

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
K 766.491	1021.93	ppb	1.2874	0.1	132393
Mg 279.078	498.394	ppb	1.4738	0.3	1076.64
Mn 257.610	10.3450	ppb	0.0474	0.5	1474.82
Mo 202.032	9.4367	ppb	0.3373	3.6	58.0676
Na 330.237	946.746	ppb	12.6298	1.3	112.486
Ni 231.604	41.0974	ppb	0.3816	0.9	115.822
Pb 220.353	10.4881	ppb	1.0995	10.5	10.0304
Sb 206.834	22.8649	ppb	1.9531	8.5	24.1486
Se 196.026	19.5117	ppb	1.0727	5.5	14.9020
Sn 189.925	52.9355	ppb	3.4763	6.6	23.3205
Sr 216.596	9.4961	ppb	0.3608	3.8	69.7157
Ti 334.941	10.0392	ppb	0.0359	0.4	3446.79
Tl 190.794	26.7455	ppb	2.5873	9.7	6.2546
V 292.401	9.9549	ppb	0.0439	0.4	320.200
Zn 206.200	20.8579	ppb	0.3865	1.9	43.8542

mb 680-348272/1-a (Samp) **9/11/2014, 11:37:49 AM** **Rack 1, Tube 34**

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

Label	Replicates Concentration		
Ag 328.068	-0.0152u	-0.4851u	0.0536
Al 308.215	3.6605	6.9919	5.5368
As 188.980	3.2102	3.7786	1.2183
B 249.678	3.5019	3.6201	3.5660
Ba 389.178	2.6779	2.5801	1.9304
Be 313.042	-0.0377u	-0.0552u	-0.0408u
Ca 370.602	12.11	20.92	18.53
Cd 226.502	-0.1760u	-0.3010u	-0.3142u
Co 228.615	0.3335	0.2456	0.8946
Cr 267.716	-0.0432u	0.0757	-0.0129u
Cu 324.754	0.1353	0.1700	0.0071
Fe 271.441	10.4338	10.7785	1.0259
K 766.491	4.1333	3.8462	3.8420
Mg 279.078	2.6518	5.7404	-1.9102u
Mn 257.610	-0.1141u	-0.2223u	-0.1557u
Mo 202.032	-0.5774u	0.1928	-0.0915u
Na 330.237	68.4896	8.4671	63.4984
Ni 231.604	0.5081	0.9210	-1.1600u
Pb 220.353	-4.0545u	-1.0187u	-1.2656u
Sb 206.834	6.6762	0.1810	4.6357
Se 196.026	-4.1894u	-7.9086u	-9.1229u
Sn 189.925	-0.3277u	0.1673	0.5297
Sr 216.596	0.1368	-0.1631u	-0.0017
Ti 334.941	0.0513	0.0798	0.1020
Tl 190.794	0.1933	2.7165	3.3717
V 292.401	0.1086	0.4206	0.4674
Zn 206.200	6.4440	5.7616	5.4145

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.1489	ppb	0.2932	196.9	-16.7175
Al 308.215	5.3964	ppb	1.6701	30.9	371.186
As 188.980	2.7357	ppb	1.3445	49.1	-3.9158

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Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
B 249.678	3.5627	ppb	0.0592	1.7	86.6610
Ba 389.178	2.3962	ppb	0.4063	17.0	30.0949
Be 313.042	-0.0446	ppb	0.0093	20.9	-3176.22
Ca 370.602	17.19	ppb	4.552	26.5	60.38
Cd 226.502	-0.2637	ppb	0.0763	28.9	10.8326
Co 228.615	0.4912	ppb	0.3521	71.7	-5.9829
Cr 267.716	0.0065	ppb	0.0618	947.3	4.9058
Cu 324.754	0.1041	ppb	0.0858	82.4	230.503
Fe 271.441	7.4127	ppb	5.5339	74.7	27.2849
K 766.491	3.9405	ppb	0.1669	4.2	2237.97
Mg 279.078	2.1607	ppb	3.8489	178.1	28.6051
Mn 257.610	-0.1640	ppb	0.0546	33.3	20.7749
Mo 202.032	-0.1587	ppb	0.3895	245.4	4.9727
Na 330.237	46.8184	ppb	33.3068	71.1	59.1773
Ni 231.604	0.0897	ppb	1.1018	1228.3	3.4205
Pb 220.353	-2.1129	ppb	1.6860	79.8	-2.4250
Sb 206.834	3.8310	ppb	3.3216	86.7	8.1593
Se 196.026	-7.0736	ppb	2.5705	36.3	5.7426
Sn 189.925	0.1231	ppb	0.4304	349.6	-5.2005
Sr 216.596	-0.0093	ppb	0.1501	1608.9	2.1758
Ti 334.941	0.0777	ppb	0.0254	32.7	-52.8550
Tl 190.794	2.0938	ppb	1.6782	80.1	-6.0039
V 292.401	0.3322	ppb	0.1950	58.7	13.0465
Zn 206.200	5.8734	ppb	0.5238	8.9	13.6290

lcs 680-348272/2-a (Samp) **9/11/2014, 11:42:18 AM** **Rack 1, Tube 35**

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

Label	Replicates Concentration		
Ag 328.068	52.2713	52.9923	52.5917
Al 308.215	4959.66	4978.82	4959.38
As 188.980	99.4232	101.117	102.996
B 249.678	199.620	201.443	201.128
Ba 389.178	100.046	101.230	100.892
Be 313.042	50.5743	50.7778	50.5266
Ca 370.602	4878	4902	4881
Cd 226.502	50.2122	50.5076	50.5356
Co 228.615	50.1314	51.5946	50.7373
Cr 267.716	100.578	101.365	100.596
Cu 324.754	101.128	102.031	101.111
Fe 271.441	4976.77	5012.94	4995.42
K 766.491	5075.28	5091.46	5073.24
Mg 279.078	4937.84	4950.47	4939.05
Mn 257.610	521.012	522.745	520.564
Mo 202.032	98.6484	99.9303	100.968
Na 330.237	4748.83	4951.74	4914.24
Ni 231.604	99.7036	102.690	101.905
Pb 220.353	54.9545	54.5428	50.8328
Sb 206.834	50.4707	46.3988	52.6418
Se 196.026	83.4967	94.4071	90.5271
Sn 189.925	202.773	197.497	203.032
Sr 216.596	97.9582	99.4948	99.8729

Label	Replicates Concentration		
Ti 334.941	100.090	100.410	99.9867
Tl 190.794	38.8497	35.9625	45.2396
V 292.401	100.795	101.008	100.735
Zn 206.200	98.7333	99.1825	102.744

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	52.6184	ppb	0.3613	0.7	2515.09
Al 308.215	4965.95	ppb	11.1410	0.2	28489.1
As 188.980	101.179	ppb	1.7873	1.8	43.1991
B 249.678	200.730	ppb	0.9743	0.5	2777.85
Ba 389.178	100.723	ppb	0.6100	0.6	2117.56
Be 313.042	50.6262	ppb	0.1334	0.3	115941
Ca 370.602	4887	ppb	12.97	0.3	18015
Cd 226.502	50.4185	ppb	0.1792	0.4	1505.27
Co 228.615	50.8211	ppb	0.7352	1.4	379.745
Cr 267.716	100.846	ppb	0.4494	0.4	2600.42
Cu 324.754	101.423	ppb	0.5261	0.5	5127.29
Fe 271.441	4995.04	ppb	18.0884	0.4	4450.60
K 766.491	5079.99	ppb	9.9826	0.2	651236
Mg 279.078	4942.45	ppb	6.9680	0.1	10453.1
Mn 257.610	521.440	ppb	1.1517	0.2	72085.4
Mo 202.032	99.8487	ppb	1.1617	1.2	557.974
Na 330.237	4871.60	ppb	107.967	2.2	342.021
Ni 231.604	101.433	ppb	1.5481	1.5	281.377
Pb 220.353	53.4434	ppb	2.2702	4.2	52.2320
Sb 206.834	49.8371	ppb	3.1694	6.4	45.9925
Se 196.026	89.4770	ppb	5.5305	6.2	39.1549
Sn 189.925	201.101	ppb	3.1233	1.6	103.337
Sr 216.596	99.1086	ppb	1.0141	1.0	719.868
Ti 334.941	100.162	ppb	0.2207	0.2	35109.5
Tl 190.794	40.0173	ppb	4.7475	11.9	12.7490
V 292.401	100.846	ppb	0.1433	0.1	3223.83
Zn 206.200	100.220	ppb	2.1972	2.2	203.950

lcsd 680-348272/3-a (Samp) **9/11/2014, 11:46:47 AM** **Rack 1, Tube 36**

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

Label	Replicates Concentration		
Ag 328.068	51.0743	50.3080	51.2274
Al 308.215	4912.31	4903.28	4894.60
As 188.980	101.716	100.305	100.144
B 249.678	198.829	199.224	199.686
Ba 389.178	101.722	101.615	101.651
Be 313.042	50.3100	50.3459	50.2343
Ca 370.602	4855	4845	4841
Cd 226.502	49.5920	49.7076	49.4754
Co 228.615	49.8145	49.9442	50.1123
Cr 267.716	99.8221	99.5796	99.6152
Cu 324.754	100.377	99.7470	99.7848
Fe 271.441	4939.14	4931.22	4913.86
K 766.491	4930.93	4928.86	4924.80
Mg 279.078	4880.89	4867.83	4857.44

Label	Replicates Concentration		
Mn 257.610	515.680	515.856	514.517
Mo 202.032	99.0068	100.042	99.0636
Na 330.237	4922.72	4834.74	4985.22
Ni 231.604	99.4200	101.149	99.7326
Pb 220.353	54.8578	49.3832	46.8787
Sb 206.834	52.4869	48.1550	46.2541
Se 196.026	97.1897	103.838	93.2444
Sn 189.925	202.314	200.095	191.043
Sr 216.596	97.5196	98.3207	97.7200
Ti 334.941	99.0702	99.0761	98.9098
Tl 190.794	42.2341	38.1007	39.4603
V 292.401	100.163	100.321	99.7115
Zn 206.200	100.092	101.222	100.347

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	50.8699	ppb	0.4926	1.0	2431.23
Al 308.215	4903.40	ppb	8.8558	0.2	28134.6
As 188.980	100.722	ppb	0.8646	0.9	42.9806
B 249.678	199.246	ppb	0.4289	0.2	2757.60
Ba 389.178	101.663	ppb	0.0546	0.1	2137.02
Be 313.042	50.2967	ppb	0.0570	0.1	115166
Ca 370.602	4847	ppb	7.378	0.2	17868
Cd 226.502	49.5916	ppb	0.1161	0.2	1480.95
Co 228.615	49.9570	ppb	0.1493	0.3	373.110
Cr 267.716	99.6723	ppb	0.1310	0.1	2570.20
Cu 324.754	99.9695	ppb	0.3533	0.4	5057.00
Fe 271.441	4928.07	ppb	12.9305	0.3	4391.23
K 766.491	4928.19	ppb	3.1173	0.1	631828
Mg 279.078	4868.72	ppb	11.7500	0.2	10297.5
Mn 257.610	515.351	ppb	0.7279	0.1	71244.0
Mo 202.032	99.3708	ppb	0.5820	0.6	555.334
Na 330.237	4914.23	ppb	75.6011	1.5	344.597
Ni 231.604	100.101	ppb	0.9215	0.9	277.724
Pb 220.353	50.3732	ppb	4.0806	8.1	49.1966
Sb 206.834	48.9653	ppb	3.1944	6.5	45.2570
Se 196.026	98.0906	ppb	5.3537	5.5	42.1194
Sn 189.925	197.817	ppb	5.9704	3.0	101.563
Sr 216.596	97.8534	ppb	0.4169	0.4	710.796
Ti 334.941	99.0187	ppb	0.0944	0.1	34707.7
Tl 190.794	39.9317	ppb	2.1066	5.3	12.7080
V 292.401	100.065	ppb	0.3163	0.3	3198.81
Zn 206.200	100.554	ppb	0.5928	0.6	204.625

Cont Calib Verif (CCV) **9/11/2014, 11:51:15 AM** **Rack 1, Tube 37**

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

Label	Replicates Concentration		
Ag 328.068	496.112	497.444	495.096
Al 308.215	4869.97	4869.52	4850.28
As 188.980	487.336	481.258	480.927
B 249.678	497.513	501.027	498.827
Ba 389.178	4889.46	4892.54	4873.08

Label	Replicates Concentration		
Be 313.042	487.840	489.398	487.611
Ca 370.602	4899	4891	4874
Cd 226.502	486.318	485.612	483.991
Co 228.615	486.471	488.538	485.439
Cr 267.716	4893.61	4897.52	4877.31
Cu 324.754	4919.30	4946.65	4942.55
Fe 271.441	4874.47	4875.79	4844.58
K 766.491	9873.23	9880.16	9838.51
Mg 279.078	4883.94	4879.87	4852.21
Mn 257.610	4977.79	4966.15	4968.02
Mo 202.032	492.763	490.742	489.511
Na 330.237	6997.78	6948.03	6948.62
Ni 231.604	2476.13	2471.57	2457.53
Pb 220.353	482.547	488.424	490.043
Sb 206.834	939.683	939.543	931.245
Se 196.026	4879.88	4870.89	4873.26
Sn 189.925	4874.99	4853.93	4836.78
Sr 216.596	2437.62	2445.20	2430.12
Ti 334.941	483.951	484.084	482.212
Tl 190.794	4940.18	4966.58	4944.62
V 292.401	4879.41	4887.51	4865.48
Zn 206.200	2447.43	2438.39	2434.08

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Ag 328.068	496.218	ppb	1.1776	0.2	23814.8	99.24352
Al 308.215	4863.26	ppb	11.2424	0.2	28175.6	97.26514
As 188.980	483.173	ppb	3.6087	0.7	226.161	96.63469
B 249.678	499.122	ppb	1.7757	0.4	6866.92	99.82448
Ba 389.178	4885.03	ppb	10.4559	0.2	102632	97.70054
Be 313.042	488.283	ppb	0.9720	0.2	1146037	97.65660
Ca 370.602	4888	ppb	12.70	0.3	18105	97.75983
Cd 226.502	485.307	ppb	1.1932	0.2	14217.0	97.06135
Co 228.615	486.816	ppb	1.5783	0.3	3721.13	97.36320
Cr 267.716	4889.48	ppb	10.7203	0.2	125852	97.78958
Cu 324.754	4936.17	ppb	14.7512	0.3	239015	98.72331
Fe 271.441	4864.94	ppb	17.6516	0.4	4381.28	97.29889
K 766.491	9863.96	ppb	22.3170	0.2	1262890	98.63965
Mg 279.078	4872.00	ppb	17.2636	0.4	10304.5	97.44009
Mn 257.610	4970.65	ppb	6.2527	0.1	686453	99.41304
Mo 202.032	491.005	ppb	1.6423	0.3	2720.59	98.20106
Na 330.237	6964.81	ppb	28.5563	0.4	453.457	92.86413
Ni 231.604	2468.41	ppb	9.6940	0.4	6769.16	98.73637
Pb 220.353	487.005	ppb	3.9441	0.8	483.197	97.40094
Sb 206.834	936.824	ppb	4.8316	0.5	819.553	93.68238
Se 196.026	4874.68	ppb	4.6545	0.1	1687.62	97.49356
Sn 189.925	4855.23	ppb	19.1349	0.4	2616.76	97.10466
Sr 216.596	2437.65	ppb	7.5397	0.3	17570.9	97.50591
Ti 334.941	483.415	ppb	1.0446	0.2	169714	96.68306
Tl 190.794	4950.46	ppb	14.1404	0.3	2456.55	99.00918
V 292.401	4877.47	ppb	11.1433	0.2	156706	97.54935
Zn 206.200	2439.97	ppb	6.8124	0.3	4915.51	97.59869

Cont Calib Blank (CCB) **9/11/2014, 11:55:41 AM** **Rack 1, Tube 38**

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

Label	Replicates Concentration		
Ag 328.068	0.3320	-0.0234u	0.3256
Al 308.215	2.6747	3.2787	-3.1708u
As 188.980	-1.0413u	1.4957	0.4671
B 249.678	7.0383	5.6612	5.8530
Ba 389.178	0.2978	-0.0408u	0.2691
Be 313.042	-0.0181u	-0.0117u	0.0076
Ca 370.602	1.074	0.4034	2.859
Cd 226.502	-0.1491u	-0.0227u	0.2078
Co 228.615	0.4896	0.3778	-0.3135u
Cr 267.716	0.2396	0.1403	0.1072
Cu 324.754	0.3179	0.2971	0.0762
Fe 271.441	1.8501	4.7436	-3.3950u
K 766.491	0.8307	0.4737	0.4261
Mg 279.078	-3.7397u	-1.1009u	0.1265
Mn 257.610	0.0775	0.0180	0.0366
Mo 202.032	0.9773	1.1096	0.6186
Na 330.237	238.196	39.5039	16.6104
Ni 231.604	1.2714	0.8995	0.7939
Pb 220.353	-2.1064u	-0.5475u	2.3530
Sb 206.834	-3.2803u	0.4515	3.5692
Se 196.026	-0.8750u	-3.0286u	-6.2666u
Sn 189.925	5.3363	2.7616	2.8848
Sr 216.596	-0.1719u	-0.2350u	0.2615
Ti 334.941	0.1143	0.0529	0.0945
Tl 190.794	3.5784	0.7777	1.4225
V 292.401	0.6448	0.8566	0.4513
Zn 206.200	-0.6847u	0.5162	-0.4826u

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Ag 328.068	0.2114	ppb	0.2034	96.2	0.5626	0.21139
Al 308.215	0.9275	ppb	3.5621	384.0	345.947	0.92753
As 188.980	0.3071	ppb	1.2760	415.5	-5.0782	0.30712
B 249.678	6.1842	ppb	0.7459	12.1	122.480	6.18419
Ba 389.178	0.1754	ppb	0.1878	107.1	-16.5738	0.17536
Be 313.042	-0.0074	ppb	0.0134	181.0	-3088.92	-0.00738
Ca 370.602	1.445	ppb	1.269	87.8	2.262	1.44541
Cd 226.502	0.0120	ppb	0.1810	1508.3	18.8795	0.01200
Co 228.615	0.1847	ppb	0.4350	235.6	-8.3545	0.18466
Cr 267.716	0.1623	ppb	0.0689	42.4	8.9149	0.16233
Cu 324.754	0.2304	ppb	0.1340	58.1	236.646	0.23041
Fe 271.441	1.0662	ppb	4.1256	386.9	21.6459	1.06622
K 766.491	0.5768	ppb	0.2212	38.3	1807.91	0.57685
Mg 279.078	-1.5714	ppb	1.9755	125.7	20.7325	-1.57136
Mn 257.610	0.0440	ppb	0.0305	69.2	49.4718	0.04403
Mo 202.032	0.9018	ppb	0.2540	28.2	10.8422	0.90183
Na 330.237	98.1035	ppb	121.863	124.2	62.2476	98.10345
Ni 231.604	0.9883	ppb	0.2508	25.4	5.8833	0.98828
Pb 220.353	-0.1003	ppb	2.2631	2255.8	-0.4334	-0.10032
Sb 206.834	0.2468	ppb	3.4293	1389.6	5.1120	0.24678
Se 196.026	-3.3901	ppb	2.7139	80.1	7.0109	-3.39008

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Sn 189.925	3.6609	ppb	1.4522	39.7	-3.2899	3.66087
Sr 216.596	-0.0485	ppb	0.2703	557.6	1.8460	-0.04847
Ti 334.941	0.0872	ppb	0.0313	35.9	-49.5248	0.08721
Tl 190.794	1.9262	ppb	1.4667	76.1	-6.0874	1.92618
V 292.401	0.6509	ppb	0.2027	31.1	23.0424	0.65092
Zn 206.200	-0.2170	ppb	0.6430	296.3	1.3341	-0.21704

680-104723-b-6-d (Samp) **9/11/2014, 12:00:08 PM** **Rack 1, Tube 39**

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

Label	Replicates Concentration		
Ag 328.068	-0.1591u	-0.5079u	-0.1048u
Al 308.215	722.712	733.020	707.901
As 188.980	9.3934	6.5898	1.3415
B 249.678	37.3456	36.7040	36.8126
Ba 389.178	17.6689	17.1031	17.7253
Be 313.042	0.0192	0.0341	0.0248
Ca 370.602	2388	2379	2383
Cd 226.502	-0.0516	-0.2032	-0.2212
Co 228.615	0.7408	-0.0907u	-0.1988u
Cr 267.716	2.5286	2.5520	2.5656
Cu 324.754	1.0583	1.0920	0.9131
Fe 271.441	7130.01	7148.93	7147.85
K 766.491	1544.99	1542.74	1539.24
Mg 279.078	902.277	900.466	899.263
Mn 257.610	125.948	125.561	125.444
Mo 202.032	0.1180	-0.2506u	0.4697
Na 330.237	17607.2	17671.1	17732.4
Ni 231.604	1.4698	2.9784	1.8149
Pb 220.353	3.4245	4.4427	10.7691
Sb 206.834	-1.5332u	1.6754	-0.5039u
Se 196.026	-2.3518u	-7.4623u	-15.2334u
Sn 189.925	1.9035	2.7565	0.8602
Sr 216.596	12.4382	12.9323	12.1284
Ti 334.941	19.9938	20.7258	19.4086
Tl 190.794	1.4050	-0.2433u	-3.9455u
V 292.401	3.8582	3.8198	3.7765
Zn 206.200	8.3679	8.2789	7.6846

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.2573	ppb	0.2188	85.0	-22.1949
Al 308.215	721.211	ppb	12.6267	1.8	4427.19
As 188.980	5.7749	ppb	4.0873	70.8	-2.5119
B 249.678	36.9541	ppb	0.3434	0.9	538.040
Ba 389.178	17.4991	ppb	0.3441	2.0	362.600
Be 313.042	0.0260	ppb	0.0075	29.0	-3010.55
Ca 370.602	2383	ppb	4.486	0.2	8712
Cd 226.502	-0.1587	ppb	0.0931	58.7	32.3435
Co 228.615	0.1505	ppb	0.5141	341.7	-7.9733
Cr 267.716	2.5488	ppb	0.0187	0.7	70.4749
Cu 324.754	1.0211	ppb	0.0951	9.3	272.198
Fe 271.441	7142.26	ppb	10.6233	0.1	6349.66

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
K 766.491	1542.32	ppb	2.8962	0.2	198928
Mg 279.078	900.669	ppb	1.5170	0.2	1912.02
Mn 257.610	125.651	ppb	0.2638	0.2	17414.6
Mo 202.032	0.1124	ppb	0.3602	320.6	5.8811
Na 330.237	17670.3	ppb	62.6137	0.4	1103.93
Ni 231.604	2.0877	ppb	0.7904	37.9	9.1504
Pb 220.353	6.2121	ppb	3.9792	64.1	5.7034
Sb 206.834	-0.1205	ppb	1.6383	1359.0	4.8329
Se 196.026	-8.3492	ppb	6.4864	77.7	5.4282
Sn 189.925	1.8401	ppb	0.9498	51.6	-4.2698
Sr 216.596	12.4996	ppb	0.4054	3.2	98.0707
Ti 334.941	20.0427	ppb	0.6599	3.3	6960.70
Tl 190.794	-0.9279	ppb	2.7402	295.3	-7.7813
V 292.401	3.8182	ppb	0.0409	1.1	128.250
Zn 206.200	8.1105	ppb	0.3715	4.6	18.2966

680-104723-b-6-dSD^5 (Samp) **9/11/2014, 12:04:35 PM** **Rack 1, Tube 40**

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

Label	Replicates Concentration		
Ag 328.068	-0.8000u	-0.1310u	-0.5600u
Al 308.215	171.893	169.644	167.151
As 188.980	1.2054	6.7033	-0.5026u
B 249.678	10.0223	9.2522	9.8627
Ba 389.178	2.9891	4.5040	3.7303
Be 313.042	-0.0153u	-0.0157u	-0.0296u
Ca 370.602	558.3	551.9	536.6
Cd 226.502	-0.1444u	0.0990	-0.0419
Co 228.615	0.5400	0.4562	0.5367
Cr 267.716	0.3463	0.3182	0.4827
Cu 324.754	-0.0132u	0.3104	0.1937
Fe 271.441	1665.19	1646.34	1589.48
K 766.491	358.809	351.382	343.265
Mg 279.078	212.447	207.434	204.203
Mn 257.610	29.3716	28.6521	27.9521
Mo 202.032	-0.3863u	-0.7012u	-0.1577u
Na 330.237	4069.48	4160.23	3868.70
Ni 231.604	1.2000	-0.2869u	0.8397
Pb 220.353	-1.6520u	-0.4955u	1.2568
Sb 206.834	0.8331	3.3054	5.1011
Se 196.026	-5.0235u	-2.6179u	-8.5399u
Sn 189.925	-0.2800u	0.0811	-1.0745u
Sr 216.596	2.7028	2.7128	2.7685
Ti 334.941	4.9609	4.7947	4.7058
Tl 190.794	-2.6443u	3.3197	1.1166
V 292.401	1.1054	1.2553	1.1620
Zn 206.200	1.7006	1.1180	1.2312

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.4970	ppb	0.3389	68.2	-33.4708
Al 308.215	169.562	ppb	2.3721	1.4	1301.38
As 188.980	2.4687	ppb	3.7654	152.5	-4.0553

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
B 249.678	9.7124	ppb	0.4065	4.2	169.573
Ba 389.178	3.7411	ppb	0.7575	20.2	61.8181
Be 313.042	-0.0202	ppb	0.0081	40.4	-3118.93
Ca 370.602	549.0	ppb	11.14	2.0	2005
Cd 226.502	-0.0291	ppb	0.1222	419.4	21.8862
Co 228.615	0.5110	ppb	0.0475	9.3	-5.6817
Cr 267.716	0.3824	ppb	0.0880	23.0	14.6105
Cu 324.754	0.1636	ppb	0.1639	100.2	232.771
Fe 271.441	1633.67	ppb	39.4153	2.4	1468.34
K 766.491	351.152	ppb	7.7747	2.2	46630.7
Mg 279.078	208.028	ppb	4.1539	2.0	460.158
Mn 257.610	28.6586	ppb	0.7097	2.5	4005.46
Mo 202.032	-0.4151	ppb	0.2729	65.7	3.4192
Na 330.237	4032.80	ppb	149.187	3.7	295.482
Ni 231.604	0.5843	ppb	0.7757	132.8	4.8338
Pb 220.353	-0.2969	ppb	1.4645	493.3	-0.6529
Sb 206.834	3.0799	ppb	2.1429	69.6	7.5305
Se 196.026	-5.3938	ppb	2.9783	55.2	6.3495
Sn 189.925	-0.4245	ppb	0.5912	139.3	-5.4954
Sr 216.596	2.7280	ppb	0.0354	1.3	23.2103
Ti 334.941	4.8204	ppb	0.1295	2.7	1613.22
Tl 190.794	0.5973	ppb	3.0158	504.9	-6.8103
V 292.401	1.1742	ppb	0.0757	6.4	40.9233
Zn 206.200	1.3499	ppb	0.3089	22.9	4.5329

680-104723-b-6-dPDS (Samp) **9/11/2014, 12:09:02 PM** **Rack 1, Tube 41**

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

Label	Replicates Concentration		
Ag 328.068	40.1544	40.1752	40.3463
Al 308.215	2885.85	2883.80	2889.16
As 188.980	218.889	213.872	206.434
B 249.678	554.092	556.163	559.830
Ba 389.178	233.667	232.321	233.295
Be 313.042	55.1872	55.1317	55.2699
Ca 370.602	4369	4350	4356
Cd 226.502	53.7989	53.9362	53.6007
Co 228.615	216.587	215.839	216.641
Cr 267.716	219.926	218.973	219.374
Cu 324.754	223.547	223.255	222.050
Fe 271.441	9156.43	9149.33	9179.81
K 766.491	3826.00	3825.68	3831.55
Mg 279.078	3057.34	3046.14	3058.83
Mn 257.610	350.052	349.452	350.457
Mo 202.032	214.411	214.666	212.552
Na 330.237	19803.7	19811.3	20235.3
Ni 231.604	218.680	217.245	218.878
Pb 220.353	217.521	224.417	221.420
Sb 206.834	200.516	205.226	202.557
Se 196.026	202.482	211.426	211.249
Sn 189.925	218.114	216.416	217.066
Sr 216.596	227.644	228.989	227.775

Label	Replicates Concentration		
Ti 334.941	233.403	233.291	233.679
Tl 190.794	209.457	217.373	208.050
V 292.401	218.795	219.316	219.831
Zn 206.200	224.008	221.250	222.674

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	40.2253	ppb	0.1053	0.3	1920.03
Al 308.215	2886.27	ppb	2.7062	0.1	16718.7
As 188.980	213.065	ppb	6.2669	2.9	96.7582
B 249.678	556.695	ppb	2.9059	0.5	7640.66
Ba 389.178	233.094	ppb	0.6952	0.3	4901.80
Be 313.042	55.1963	ppb	0.0696	0.1	126700
Ca 370.602	4359	ppb	9.766	0.2	16032
Cd 226.502	53.7786	ppb	0.1687	0.3	1614.33
Co 228.615	216.355	ppb	0.4481	0.2	1649.04
Cr 267.716	219.424	ppb	0.4781	0.2	5652.53
Cu 324.754	222.951	ppb	0.7936	0.4	11006.5
Fe 271.441	9161.86	ppb	15.9496	0.2	8154.37
K 766.491	3827.74	ppb	3.3002	0.1	491130
Mg 279.078	3054.10	ppb	6.9352	0.2	6456.20
Mn 257.610	349.987	ppb	0.5056	0.1	48408.8
Mo 202.032	213.876	ppb	1.1540	0.5	1188.62
Na 330.237	19950.1	ppb	246.979	1.2	1234.53
Ni 231.604	218.267	ppb	0.8913	0.4	601.765
Pb 220.353	221.119	ppb	3.4579	1.6	218.116
Sb 206.834	202.766	ppb	2.3621	1.2	174.078
Se 196.026	208.386	ppb	5.1136	2.5	80.1328
Sn 189.925	217.199	ppb	0.8565	0.4	112.033
Sr 216.596	228.136	ppb	0.7415	0.3	1651.76
Ti 334.941	233.458	ppb	0.1998	0.1	81920.4
Tl 190.794	211.627	ppb	5.0257	2.4	98.0230
V 292.401	219.314	ppb	0.5179	0.2	7008.43
Zn 206.200	222.644	ppb	1.3796	0.6	450.890

Z (Samp) **9/11/2014, 12:13:29 PM** **Rack 1, Tube 42**

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

Label	Replicates Concentration		
Ag 328.068	398.142	391.673	378.681
Al 308.215	3964.94	3863.08	3723.47
As 188.980	396.790	375.315	368.810
B 249.678	424.084	417.125	407.093
Ba 389.178	3932.02	3825.21	3696.62
Be 313.042	395.496	382.777	369.486
Ca 370.602	4046	3941	3824
Cd 226.502	395.978	384.285	371.411
Co 228.615	396.387	382.877	370.920
Cr 267.716	3946.80	3831.44	3703.50
Cu 324.754	3989.77	3854.76	3775.89
Fe 271.441	3942.83	3834.94	3725.51
K 766.491	8140.80	7943.47	7717.83
Mg 279.078	4032.59	3928.90	3806.60

Label	Replicates Concentration		
Mn 257.610	4034.96	3988.67	3857.81
Mo 202.032	397.646	385.430	372.867
Na 330.237	5978.56	5652.41	5660.64
Ni 231.604	2006.40	1954.27	1897.16
Pb 220.353	391.220	385.267	375.270
Sb 206.834	744.325	734.259	712.235
Se 196.026	3921.46	3819.43	3672.18
Sn 189.925	3909.83	3801.18	3683.09
Sr 216.596	1960.47	1903.26	1841.27
Ti 334.941	392.257	381.463	368.714
Tl 190.794	3970.62	3863.22	3738.88
V 292.401	3935.23	3822.01	3697.39
Zn 206.200	1968.29	1905.56	1845.30

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	389.498	ppb	9.9108	2.5	18691.2
Al 308.215	3850.50	ppb	121.225	3.1	22376.7
As 188.980	380.305	ppb	14.6422	3.9	176.898
B 249.678	416.101	ppb	8.5415	2.1	5730.46
Ba 389.178	3817.95	ppb	117.868	3.1	80209.3
Be 313.042	382.586	ppb	13.0060	3.4	897293
Ca 370.602	3937	ppb	110.8	2.8	14580
Cd 226.502	383.891	ppb	12.2881	3.2	11249.9
Co 228.615	383.395	ppb	12.7412	3.3	2928.55
Cr 267.716	3827.25	ppb	121.707	3.2	98511.6
Cu 324.754	3873.47	ppb	108.163	2.8	187607
Fe 271.441	3834.43	ppb	108.663	2.8	3457.50
K 766.491	7934.03	ppb	211.639	2.7	1016139
Mg 279.078	3922.69	ppb	113.123	2.9	8301.50
Mn 257.610	3960.48	ppb	91.8791	2.3	546956
Mo 202.032	385.314	ppb	12.3900	3.2	2136.23
Na 330.237	5763.87	ppb	185.972	3.2	385.718
Ni 231.604	1952.61	ppb	54.6416	2.8	5355.34
Pb 220.353	383.919	ppb	8.0598	2.1	380.836
Sb 206.834	730.273	ppb	16.4120	2.2	640.020
Se 196.026	3804.36	ppb	125.324	3.3	1318.88
Sn 189.925	3798.03	ppb	113.403	3.0	2045.83
Sr 216.596	1901.67	ppb	59.6164	3.1	13707.2
Ti 334.941	380.811	ppb	11.7851	3.1	133676
Tl 190.794	3857.57	ppb	115.969	3.0	1912.70
V 292.401	3818.21	ppb	118.968	3.1	122674
Zn 206.200	1906.38	ppb	61.4982	3.2	3840.92

CRI (Samp) **9/11/2014, 12:18:55 PM** **Rack 1, Tube 43**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Replicates Concentration		
Ag 328.068	10.1548	10.1227	9.8064
Al 308.215	207.004	204.036	202.517
As 188.980	20.1027	25.3388	25.5004
B 249.678	105.170	103.367	102.306
Ba 389.178	10.3029	9.0120	10.5249

Label	Replicates Concentration		
Be 313.042	4.0965	4.0439	4.0161
Ca 370.602	511.4	491.3	492.2
Cd 226.502	5.0894	5.1327	4.7362
Co 228.615	9.9006	10.2718	10.3677
Cr 267.716	10.4474	10.0847	10.2524
Cu 324.754	21.3221	20.9351	21.2051
Fe 271.441	51.1592	51.9258	55.3076
K 766.491	1040.30	1027.23	1019.32
Mg 279.078	505.051	500.925	495.331
Mn 257.610	10.8045	10.5858	10.4932
Mo 202.032	10.7268	10.4214	10.0390
Na 330.237	1126.63	1041.46	989.509
Ni 231.604	39.6537	39.6169	38.9396
Pb 220.353	9.4840	13.8365	6.1252
Sb 206.834	22.2161	24.0171	20.9432
Se 196.026	17.0900	24.0355	19.2163
Sn 189.925	51.1339	52.0895	53.7387
Sr 216.596	9.7335	9.8308	9.4938
Ti 334.941	10.1988	10.1713	10.0971
Tl 190.794	26.3660	22.9214	28.3412
V 292.401	10.2185	10.3157	9.9304
Zn 206.200	19.8495	19.4101	20.4184

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	10.0279	ppb	0.1925	1.9	471.350
Al 308.215	204.519	ppb	2.2823	1.1	1500.58
As 188.980	23.6473	ppb	3.0707	13.0	6.0973
B 249.678	103.614	ppb	1.4478	1.4	1453.90
Ba 389.178	9.9466	ppb	0.8169	8.2	190.083
Be 313.042	4.0522	ppb	0.0408	1.0	6454.46
Ca 370.602	498.3	ppb	11.35	2.3	1841
Cd 226.502	4.9861	ppb	0.2175	4.4	164.405
Co 228.615	10.1800	ppb	0.2467	2.4	68.2587
Cr 267.716	10.2615	ppb	0.1815	1.8	268.863
Cu 324.754	21.1541	ppb	0.1985	0.9	1248.53
Fe 271.441	52.7975	ppb	2.2073	4.2	68.1631
K 766.491	1028.95	ppb	10.5949	1.0	133290
Mg 279.078	500.436	ppb	4.8785	1.0	1080.94
Mn 257.610	10.6278	ppb	0.1599	1.5	1513.89
Mo 202.032	10.3958	ppb	0.3446	3.3	63.3749
Na 330.237	1052.53	ppb	69.2274	6.6	118.777
Ni 231.604	39.4034	ppb	0.4021	1.0	111.179
Pb 220.353	9.8153	ppb	3.8663	39.4	9.3636
Sb 206.834	22.3921	ppb	1.5445	6.9	23.7331
Se 196.026	20.1139	ppb	3.5587	17.7	15.1095
Sn 189.925	52.3207	ppb	1.3177	2.5	22.9885
Sr 216.596	9.6860	ppb	0.1734	1.8	71.1293
Ti 334.941	10.1557	ppb	0.0526	0.5	3487.72
Tl 190.794	25.8762	ppb	2.7429	10.6	5.8220
V 292.401	10.1548	ppb	0.2003	2.0	326.405
Zn 206.200	19.8927	ppb	0.5056	2.5	41.9057

Cont Calib Verif (CCV) **9/11/2014, 12:23:22 PM** **Rack 1, Tube 49**

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

Label	Replicates Concentration		
Ag 328.068	498.375	496.680	496.552
Al 308.215	4857.83	4837.96	4852.47
As 188.980	479.962	481.021	475.229
B 249.678	497.548	499.101	500.578
Ba 389.178	4874.45	4869.93	4866.11
Be 313.042	487.900	487.326	486.437
Ca 370.602	4893	4865	4869
Cd 226.502	483.862	483.023	483.287
Co 228.615	488.355	483.307	486.023
Cr 267.716	4886.74	4869.28	4870.62
Cu 324.754	4866.05	4904.07	4910.56
Fe 271.441	4837.83	4855.01	4831.79
K 766.491	9851.87	9849.88	9863.16
Mg 279.078	4876.63	4872.69	4863.86
Mn 257.610	4971.72	4946.26	4954.45
Mo 202.032	489.158	486.736	488.391
Na 330.237	7028.42	7063.34	7051.14
Ni 231.604	2456.58	2458.99	2460.60
Pb 220.353	490.139	482.860	482.666
Sb 206.834	935.062	924.918	925.778
Se 196.026	4854.35	4863.28	4860.75
Sn 189.925	4853.27	4845.41	4809.90
Sr 216.596	2431.03	2422.76	2426.40
Ti 334.941	482.979	481.769	482.343
Tl 190.794	4952.49	4946.67	4944.47
V 292.401	4875.54	4864.94	4868.34
Zn 206.200	2439.64	2432.28	2430.58

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Ag 328.068	497.202	ppb	1.0176	0.2	23862.0	99.44048
Al 308.215	4849.42	ppb	10.2792	0.2	28096.8	96.98841
As 188.980	478.737	ppb	3.0841	0.6	224.037	95.74748
B 249.678	499.076	ppb	1.5149	0.3	6866.26	99.81519
Ba 389.178	4870.16	ppb	4.1758	0.1	102320	97.40329
Be 313.042	487.221	ppb	0.7369	0.2	1143540	97.44420
Ca 370.602	4876	ppb	14.79	0.3	18059	97.51221
Cd 226.502	483.390	ppb	0.4290	0.1	14160.9	96.67808
Co 228.615	485.895	ppb	2.5266	0.5	3714.11	97.17897
Cr 267.716	4875.54	ppb	9.7159	0.2	125493	97.51087
Cu 324.754	4893.56	ppb	24.0459	0.5	236953	97.87120
Fe 271.441	4841.54	ppb	12.0482	0.2	4360.60	96.83090
K 766.491	9854.97	ppb	7.1620	0.1	1261740	98.54967
Mg 279.078	4871.06	ppb	6.5346	0.1	10302.5	97.42118
Mn 257.610	4957.47	ppb	12.9969	0.3	684633	99.14945
Mo 202.032	488.095	ppb	1.2379	0.3	2704.49	97.61902
Na 330.237	7047.64	ppb	17.7235	0.3	458.417	93.96847
Ni 231.604	2458.72	ppb	2.0218	0.1	6742.61	98.34892
Pb 220.353	485.222	ppb	4.2596	0.9	481.431	97.04439
Sb 206.834	928.586	ppb	5.6247	0.6	812.590	92.85858
Se 196.026	4859.46	ppb	4.6020	0.1	1682.38	97.18925

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Sn 189.925	4836.19	ppb	23.1092	0.5	2606.47	96.72382
Sr 216.596	2426.73	ppb	4.1445	0.2	17492.3	97.06924
Ti 334.941	482.364	ppb	0.6051	0.1	169345	96.47276
Tl 190.794	4947.88	ppb	4.1451	0.1	2455.27	98.95759
V 292.401	4869.61	ppb	5.4116	0.1	156454	97.39217
Zn 206.200	2434.17	ppb	4.8177	0.2	4903.82	97.36667

Cont Calib Blank (CCB) **9/11/2014, 12:27:49 PM** **Rack 1, Tube 50**

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

Label	Replicates Concentration		
Ag 328.068	-0.0849u	-0.5098u	-0.2196u
Al 308.215	2.1525	1.4397	2.5321
As 188.980	2.7695	-4.1271u	1.2612
B 249.678	7.2901	6.4486	6.1465
Ba 389.178	0.9474	-0.0471u	0.1826
Be 313.042	-0.0189u	-0.0028u	-0.0194u
Ca 370.602	0.9082	1.422	-0.6806u
Cd 226.502	-0.1262u	0.0521	0.1346
Co 228.615	0.6228	0.1407	-0.5156u
Cr 267.716	0.5378	0.3946	0.4730
Cu 324.754	0.4511	0.1261	0.2461
Fe 271.441	8.4691	-3.3113u	11.0257
K 766.491	0.3949	0.6157	0.5030
Mg 279.078	3.7710	3.2500	1.4918
Mn 257.610	0.0926	0.0671	0.0944
Mo 202.032	0.9293	0.9769	1.5752
Na 330.237	34.6527	52.4345	65.0322
Ni 231.604	0.5754	-0.1931u	-0.2807u
Pb 220.353	-2.0471u	2.4508	-0.0551u
Sb 206.834	2.1795	1.9403	3.3093
Se 196.026	1.1798	-14.3218u	3.0892
Sn 189.925	0.6118	-0.3753u	-1.9163u
Sr 216.596	0.0788	0.0289	-0.2452u
Ti 334.941	0.1480	0.1251	0.1275
Tl 190.794	1.0902	0.8596	2.4141
V 292.401	0.7389	0.5273	0.5462
Zn 206.200	1.3440	-0.5646u	0.1838

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Ag 328.068	-0.2714	ppb	0.2171	80.0	-22.5904	-0.27143
Al 308.215	2.0414	ppb	0.5546	27.2	352.276	2.04142
As 188.980	-0.0322	ppb	3.6256	11275.1	-5.2405	-0.03216
B 249.678	6.6284	ppb	0.5926	8.9	128.552	6.62840
Ba 389.178	0.3610	ppb	0.5207	144.2	-12.6552	0.36098
Be 313.042	-0.0137	ppb	0.0095	69.1	-3103.86	-0.01372
Ca 370.602	0.5497	ppb	1.096	199.4	-1.087	0.54970
Cd 226.502	0.0202	ppb	0.1333	661.3	19.1271	0.02016
Co 228.615	0.0826	ppb	0.5714	691.5	-9.1421	0.08264
Cr 267.716	0.4685	ppb	0.0717	15.3	16.7971	0.46846
Cu 324.754	0.2744	ppb	0.1643	59.9	238.784	0.27445
Fe 271.441	5.3945	ppb	7.6470	141.8	25.4757	5.39450

F09102014.wvq. All Data Report 9/11/2014, 1:16:07 PM

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
K 766.491	0.5045	ppb	0.1104	21.9	1798.66	0.50451
Mg 279.078	2.8376	ppb	1.1943	42.1	30.0379	2.83757
Mn 257.610	0.0847	ppb	0.0153	18.0	55.1194	0.08468
Mo 202.032	1.1605	ppb	0.3600	31.0	12.2733	1.16047
Na 330.237	50.7064	ppb	15.2633	30.1	59.4250	50.70642
Ni 231.604	0.0339	ppb	0.4710	1390.5	3.2674	0.03388
Pb 220.353	0.1162	ppb	2.2538	1939.9	-0.2193	0.11618
Sb 206.834	2.4764	ppb	0.7311	29.5	6.9935	2.47638
Se 196.026	-3.3509	ppb	9.5489	285.0	7.0244	-3.35094
Sn 189.925	-0.5599	ppb	1.2741	227.6	-5.5693	-0.55993
Sr 216.596	-0.0458	ppb	0.1744	380.6	1.8865	-0.04583
Ti 334.941	0.1336	ppb	0.0126	9.4	-33.2317	0.13356
Tl 190.794	1.4547	ppb	0.8389	57.7	-6.3220	1.45465
V 292.401	0.6041	ppb	0.1171	19.4	21.4341	0.60412
Zn 206.200	0.3211	ppb	0.9617	299.5	2.4195	0.32106

F09122014.wvq. All Data Report 9/15/2014, 10:04:20 AM

Blank (Blk) **9/12/2014, 9:42:49 AM** **Rack S, Tube 1**

Label	Replicates		Concentration
Ag 328.068	0.4430	-0.4021	-0.0410
Al 308.215	0.4360	1.1775	-1.6134
As 188.980	-2.2444	-1.6908	3.9351
B 249.678	-0.0189	0.2264	-0.2075
Ba 389.178	0.5721	0.0097	-0.5818
Be 313.042	0.0038	0.0019	-0.0057
Ca 370.602	-1.949	1.642	0.3073
Cd 226.502	-0.0588	-0.0366	0.0954
Co 228.615	0.0482	-0.0538	0.0056
Cr 267.716	0.2012	-0.1198	-0.0814
Cu 324.754	-0.1449	-0.1013	0.2462
Fe 271.441	-4.8532	4.0934	0.7597
K 766.491	-0.1280	-0.0274	0.1554
Mg 279.078	-2.3512	0.9004	1.4507
Mn 257.610	0.0083	-0.0214	0.0131
Mo 202.032	0.1891	-0.1418	-0.0473
Na 330.237	-10.8328	12.5584	-1.7256
Ni 231.604	-1.1002	1.0466	0.0536
Pb 220.353	0.3839	0.8144	-1.1983
Sb 206.834	2.0552	-1.4398	-0.6154
Se 196.026	-0.9484	4.1925	-3.2441
Sn 189.925	0.8888	-1.8548	0.9660
Sr 216.596	0.0354	0.4105	-0.4459
Ti 334.941	0.0110	-0.0145	0.0036
Tl 190.794	4.1088	-0.1989	-3.9099
V 292.401	0.1268	-0.0780	-0.0488
Zn 206.200	0.0348	-0.7677	0.7329

Label	Sol'n Conc.	Units	SD(Int)	%RSD(Int)	Int. (c/s)
Ag 328.068	0.0000	ppb	20.511	104.4	-19.6532
Al 308.215	0.0000	ppb	8.203	2.1	388.341
As 188.980	0.0000	ppb	1.589	39.5	-4.0263
B 249.678	0.0000	ppb	2.983	9.7	30.6893
Ba 389.178	0.0000	ppb	12.078	37.0	-32.6253
Be 313.042	0.0000	ppb	11.754	0.4	-3208.50
Ca 370.602	0.0000	ppb	6.731	455.1	-1.479
Cd 226.502	0.0000	ppb	2.410	17.1	14.0828
Co 228.615	0.0000	ppb	0.391	3.6	-10.8641
Cr 267.716	0.0000	ppb	4.509	61.9	7.2791
Cu 324.754	0.0000	ppb	10.319	5.0	206.317
Fe 271.441	0.0000	ppb	3.933	19.2	20.4533
K 766.491	0.0000	ppb	18.312	1.0	1836.82
Mg 279.078	0.0000	ppb	4.375	14.3	30.6152
Mn 257.610	0.0000	ppb	2.576	15.4	16.7287
Mo 202.032	0.0000	ppb	0.935	18.0	5.1929
Na 330.237	0.0000	ppb	0.694	1.3	52.4421
Ni 231.604	0.0000	ppb	2.940	84.2	3.4904
Pb 220.353	0.0000	ppb	1.022	422.9	-0.2418
Sb 206.834	0.0000	ppb	1.512	24.8	6.0852
Se 196.026	0.0000	ppb	1.309	23.4	5.5946
Sn 189.925	0.0000	ppb	0.861	18.8	-4.5841
Sr 216.596	0.0000	ppb	3.100	324.7	0.9547
Ti 334.941	0.0000	ppb	4.602	5.4	-85.9203

Label	Sol'n Conc.	Units	SD(Int)	%RSD(Int)	Int. (c/s)
Tl 190.794	0.0000	ppb	2.156	38.2	-5.6380
V 292.401	0.0000	ppb	3.563	45.4	7.8426
Zn 206.200	0.0000	ppb	1.513	166.8	0.9073

HIGH STD (Std) **9/12/2014, 9:47:16 AM** **Rack S, Tube 2**

Label	Replicates Concentration		
Ag 328.068	1000.86	998.501	1000.64
Al 308.215	10013.3	9974.91	10011.8
As 188.980	990.059	996.536	1013.41
B 249.678	997.447	997.964	1004.59
Ba 389.178	10015.2	9979.45	10005.4
Be 313.042	1003.86	995.986	1000.15
Ca 370.602	10028	9972	10000
Cd 226.502	1002.31	997.352	1000.34
Co 228.615	1001.92	997.403	1000.68
Cr 267.716	10014.6	9977.64	10007.8
Cu 324.754	10057.0	9956.64	9986.37
Fe 271.441	10019.6	9971.77	10008.6
K 766.491	20014.3	19942.7	20043.0
Mg 279.078	10022.8	9975.50	10001.7
Mn 257.610	10017.0	9975.05	10008.0
Mo 202.032	999.809	995.317	1004.87
Na 330.237	15123.4	14847.4	15029.2
Ni 231.604	4997.91	5000.20	5001.89
Pb 220.353	1000.91	996.975	1002.12
Sb 206.834	2011.72	1993.58	1994.70
Se 196.026	10016.0	9990.56	9993.46
Sn 189.925	10009.7	9996.44	9993.90
Sr 216.596	5004.13	4979.54	5016.33
Ti 334.941	1001.01	997.764	1001.22
Tl 190.794	9997.09	9983.86	10019.0
V 292.401	10004.0	9979.98	10016.0
Zn 206.200	4999.28	4995.62	5005.10

Label	Sol'n Conc.	Units	SD(Int)	%RSD(Int)	Int. (c/s)
Ag 328.068	1000.00	ppb	63.007	0.1	48351.9
Al 308.215	10000.0	ppb	123.376	0.2	57129.7
As 188.980	1000.00	ppb	5.600	1.2	460.646
B 249.678	1000.00	ppb	54.608	0.4	13741.7
Ba 389.178	10000.0	ppb	386.379	0.2	209299
Be 313.042	1000.00	ppb	9238.362	0.4	2340990
Ca 370.602	10000	ppb	104.042	0.3	37084
Cd 226.502	1000.00	ppb	72.171	0.2	28921.4
Co 228.615	1000.00	ppb	17.833	0.2	7629.96
Cr 267.716	10000.0	ppb	505.854	0.2	257245
Cu 324.754	10000.0	ppb	2481.897	0.5	481729
Fe 271.441	10000.0	ppb	21.801	0.3	8719.11
K 766.491	20000.0	ppb	6582.662	0.3	2550909
Mg 279.078	10000.0	ppb	50.427	0.2	21323.7
Mn 257.610	10000.0	ppb	3045.039	0.2	1380094
Mo 202.032	1000.00	ppb	26.232	0.5	5492.10
Na 330.237	15000.0	ppb	8.258	0.9	935.279
Ni 231.604	5000.00	ppb	5.472	0.0	13683.5

Label	Sol'n Conc.	Units	SD(Int)	%RSD(Int)	Int. (c/s)
Pb 220.353	1000.00	ppb	2.594	0.3	964.518
Sb 206.834	2000.00	ppb	8.412	0.5	1661.29
Se 196.026	10000.0	ppb	4.781	0.1	3444.18
Sn 189.925	10000.0	ppb	4.534	0.1	5354.95
Sr 216.596	5000.00	ppb	135.362	0.4	36108.9
Ti 334.941	1000.00	ppb	679.958	0.2	350551
Tl 190.794	10000.0	ppb	9.546	0.2	5366.43
V 292.401	10000.0	ppb	590.389	0.2	321708
Zn 206.200	5000.00	ppb	9.626	0.1	10075.0

Ag 328.068 Calibration (ppb) 9/12/2014, 9:47:16 AM Correlation Coefficient: 1.000000

Label	Flags	Int. (c/s)	Std Conc.	Calc Conc.	Error	%Error
Blank		-19.6532	0.0000	0.0000	-	-
HIGH STD		48351.9	1000.00	1000.00	0.0001	0.0

Curve Type: Linear Equation: y = 48.4 x + -19.7

Al 308.215 Calibration (ppb) 9/12/2014, 9:47:16 AM Correlation Coefficient: 1.000000

Label	Flags	Int. (c/s)	Std Conc.	Calc Conc.	Error	%Error
Blank		388.341	0.0000	0.0000	-	-
HIGH STD		57129.7	10000.0	10000.0	0.0000	0.0

Curve Type: Linear Equation: y = 5.7 x + 388.3

As 188.980 Calibration (ppb) 9/12/2014, 9:47:16 AM Correlation Coefficient: 1.000000

Label	Flags	Int. (c/s)	Std Conc.	Calc Conc.	Error	%Error
Blank		-4.0263	0.0000	0.0000	-	-
HIGH STD		460.646	1000.00	1000.00	0.0001	0.0

Curve Type: Linear Equation: y = 0.5 x + -4.0

B 249.678 Calibration (ppb) 9/12/2014, 9:47:16 AM Correlation Coefficient: 1.000000

Label	Flags	Int. (c/s)	Std Conc.	Calc Conc.	Error	%Error
Blank		30.6893	0.0000	0.0000	-	-
HIGH STD		13741.7	1000.00	1000.00	0.0000	0.0

Curve Type: Linear Equation: y = 13.7 x + 30.7

Ba 389.178 Calibration (ppb) 9/12/2014, 9:47:16 AM Correlation Coefficient: 1.000000

Label	Flags	Int. (c/s)	Std Conc.	Calc Conc.	Error	%Error
Blank		-32.6253	0.0000	0.0000	-	-
HIGH STD		209299	10000.0	10000.0	0.0000	0.0

Curve Type: Linear Equation: y = 20.9 x + -32.6

Be 313.042 Calibration (ppb) 9/12/2014, 9:47:16 AM Correlation Coefficient: 1.000000

Label	Flags	Int. (c/s)	Std Conc.	Calc Conc.	Error	%Error
Blank		-3208.50	0.0000	0.0000	-	-
HIGH STD		2340990	1000.00	1000.00	0.0000	0.0

Curve Type: Linear Equation: y = 2344.2 x + -3208.5

Ca 370.602 Calibration (ppb) 9/12/2014, 9:47:16 AM Correlation Coefficient: 1.000000

Label	Flags	Int. (c/s)	Std Conc.	Calc Conc.	Error	%Error
Blank		-1.479	0.0000	0.0000	-	-
HIGH STD		37084	10000	10000	0.0000	0.0

Curve Type: Linear Equation: y = 3.7 x + -1.5

Cd 226.502 Calibration (ppb) 9/12/2014, 9:47:16 AM Correlation Coefficient: 1.000000

Label	Flags	Int. (c/s)	Std Conc.	Calc Conc.	Error	%Error
Blank		14.0828	0.0000	0.0000	-	-
HIGH STD		28921.4	1000.00	1000.00	0.0000	0.0

Curve Type: Linear Equation: y = 28.9 x + 14.1

Co 228.615 Calibration (ppb) 9/12/2014, 9:47:16 AM Correlation Coefficient: 1.000000

Label	Flags	Int. (c/s)	Std Conc.	Calc Conc.	Error	%Error
Blank		-10.8641	0.0000	0.0000	-	-
HIGH STD		7629.96	1000.00	1000.00	0.0000	0.0

Curve Type: Linear Equation: y = 7.6 x + -10.9

Cr 267.716 Calibration (ppb) 9/12/2014, 9:47:16 AM Correlation Coefficient: 1.000000

Label	Flags	Int. (c/s)	Std Conc.	Calc Conc.	Error	%Error
Blank		7.2791	0.0000	0.0000	-	-
HIGH STD		257245	10000.0	10000.0	0.0000	0.0

Curve Type: Linear Equation: y = 25.7 x + 7.3

Cu 324.754 Calibration (ppb) 9/12/2014, 9:47:16 AM Correlation Coefficient: 1.000000

Label	Flags	Int. (c/s)	Std Conc.	Calc Conc.	Error	%Error
Blank		206.317	0.0000	0.0000	-	-
HIGH STD		481729	10000.0	10000.0	0.0000	0.0

Curve Type: Linear Equation: y = 48.2 x + 206.3

Fe 271.441 Calibration (ppb) 9/12/2014, 9:47:16 AM Correlation Coefficient: 1.000000

Label	Flags	Int. (c/s)	Std Conc.	Calc Conc.	Error	%Error
Blank		20.4533	0.0000	0.0000	-	-
HIGH STD		8719.11	10000.0	10000.0	0.0000	0.0

Curve Type: Linear Equation: y = 0.9 x + 20.5

K 766.491 Calibration (ppb) 9/12/2014, 9:47:16 AM Correlation Coefficient: 1.000000

Label	Flags	Int. (c/s)	Std Conc.	Calc Conc.	Error	%Error
Blank		1836.82	0.0000	0.0000	-	-
HIGH STD		2550909	20000.0	20000.0	0.0000	0.0

Curve Type: Linear Equation: y = 127.5 x + 1836.8

Mg 279.078 Calibration (ppb) 9/12/2014, 9:47:16 AM Correlation Coefficient: 1.000000

Label	Flags	Int. (c/s)	Std Conc.	Calc Conc.	Error	%Error
Blank		30.6152	0.0000	0.0000	-	-
HIGH STD		21323.7	10000.0	10000.0	0.0000	0.0

Curve Type: Linear Equation: y = 2.1 x + 30.6

Mn 257.610 Calibration (ppb) 9/12/2014, 9:47:16 AM Correlation Coefficient: 1.000000

Label	Flags	Int. (c/s)	Std Conc.	Calc Conc.	Error	%Error
Blank		16.7287	0.0000	0.0000	-	-
HIGH STD		1380094	10000.0	10000.0	0.0000	0.0

Curve Type: Linear Equation: y = 138.0 x + 16.7

Mo 202.032 Calibration (ppb) 9/12/2014, 9:47:16 AM Correlation Coefficient: 1.000000

Label	Flags	Int. (c/s)	Std Conc.	Calc Conc.	Error	%Error
Blank		5.1929	0.0000	0.0000	-	-
HIGH STD		5492.10	1000.00	1000.00	0.0000	0.0

Curve Type: Linear Equation: y = 5.5 x + 5.2

Na 330.237 Calibration (ppb) 9/12/2014, 9:47:16 AM Correlation Coefficient: 1.000000

Label	Flags	Int. (c/s)	Std Conc.	Calc Conc.	Error	%Error
Blank		52.4421	0.0000	0.0000	-	-
HIGH STD		935.279	15000.0	15000.0	0.0000	0.0

Curve Type: Linear Equation: y = 0.1 x + 52.4

Ni 231.604 Calibration (ppb) 9/12/2014, 9:47:16 AM Correlation Coefficient: 1.000000

Label	Flags	Int. (c/s)	Std Conc.	Calc Conc.	Error	%Error
Blank		3.4904	0.0000	0.0000	-	-
HIGH STD		13683.5	5000.00	5000.00	0.0000	0.0

Curve Type: Linear Equation: y = 2.7 x + 3.5

Pb 220.353 Calibration (ppb) 9/12/2014, 9:47:16 AM Correlation Coefficient: 1.000000

Label	Flags	Int. (c/s)	Std Conc.	Calc Conc.	Error	%Error
Blank		-0.2418	0.0000	0.0000	-	-
HIGH STD		964.518	1000.00	1000.00	0.0000	0.0

Curve Type: Linear Equation: y = 1.0 x + -0.2

Sb 206.834 Calibration (ppb) 9/12/2014, 9:47:16 AM Correlation Coefficient: 1.000000

Label	Flags	Int. (c/s)	Std Conc.	Calc Conc.	Error	%Error
Blank		6.0852	0.0000	0.0000	-	-
HIGH STD		1661.29	2000.00	2000.00	0.0000	0.0

Curve Type: Linear Equation: y = 0.8 x + 6.1

Se 196.026 Calibration (ppb) 9/12/2014, 9:47:16 AM Correlation Coefficient: 1.000000

Label	Flags	Int. (c/s)	Std Conc.	Calc Conc.	Error	%Error
Blank		5.5946	0.0000	0.0000	-	-
HIGH STD		3444.18	10000.0	10000.0	0.0000	0.0

Curve Type: Linear Equation: y = 0.3 x + 5.6

Sn 189.925 Calibration (ppb) 9/12/2014, 9:47:16 AM Correlation Coefficient: 1.000000

Label	Flags	Int. (c/s)	Std Conc.	Calc Conc.	Error	%Error
Blank		-4.5841	0.0000	0.0000	-	-
HIGH STD		5354.95	10000.0	10000.00	-0.0010	0.0

Curve Type: Linear Equation: y = 0.5 x + -4.6

Sr 216.596 Calibration (ppb) 9/12/2014, 9:47:16 AM Correlation Coefficient: 1.000000

Label	Flags	Int. (c/s)	Std Conc.	Calc Conc.	Error	%Error
Blank		0.9547	0.0000	0.0000	-	-
HIGH STD		36108.9	5000.00	5000.00	0.0005	0.0

Curve Type: Linear Equation: y = 7.2 x + 1.0

Ti 334.941 Calibration (ppb) 9/12/2014, 9:47:16 AM Correlation Coefficient: 1.000000

Label	Flags	Int. (c/s)	Std Conc.	Calc Conc.	Error	%Error
Blank		-85.9203	0.0000	0.0000	-	-
HIGH STD		350551	1000.00	1000.000	-0.0001	0.0

Curve Type: Linear Equation: y = 350.6 x + -85.9

Tl 190.794 Calibration (ppb) 9/12/2014, 9:47:16 AM Correlation Coefficient: 1.000000

Label	Flags	Int. (c/s)	Std Conc.	Calc Conc.	Error	%Error
Blank		-5.6380	0.0000	0.0000	-	-
HIGH STD		5366.43	10000.0	10000.0	0.0000	0.0

Curve Type: Linear Equation: y = 0.5 x + -5.6

V 292.401 Calibration (ppb) 9/12/2014, 9:47:16 AM Correlation Coefficient: 1.000000

Label	Flags	Int. (c/s)	Std Conc.	Calc Conc.	Error	%Error
Blank		7.8426	0.0000	0.0000	-	-
HIGH STD		321708	10000.0	10000.00	-0.0010	0.0

Curve Type: Linear Equation: y = 32.2 x + 7.8

Zn 206.200 Calibration (ppb) 9/12/2014, 9:47:16 AM Correlation Coefficient: 1.000000

Label	Flags	Int. (c/s)	Std Conc.	Calc Conc.	Error	%Error
Blank		0.9073	0.0000	0.0000	-	-
HIGH STD		10075.0	5000.00	5000.00	0.0000	0.0

Curve Type: Linear Equation: y = 2.0 x + 0.9

Lab Control Sample (LCS) 9/12/2014, 9:51:43 AM Rack S, Tube 2

Weight: 1 Volume: 1 Dilution: 1

Label	Replicates Concentration		
Ag 328.068	999.078	1008.32	998.215
Al 308.215	10010.0	10011.4	10000.3
As 188.980	999.040	1010.32	993.097
B 249.678	1005.42	1009.85	1009.80
Ba 389.178	9977.49	9985.68	9969.62
Be 313.042	1002.28	1003.21	1003.30
Ca 370.602	10008	10011	9990
Cd 226.502	998.238	999.810	1000.37
Co 228.615	999.465	1001.25	997.617
Cr 267.716	9985.67	9993.86	9984.25
Cu 324.754	9906.54	10041.2	10113.3
Fe 271.441	10004.4	10009.7	10009.9
K 766.491	20012.4	20030.3	20015.9
Mg 279.078	9991.57	10005.4	9975.98
Mn 257.610	9939.27	9978.43	9983.96
Mo 202.032	1000.32	996.924	995.584
Na 330.237	14453.0	14631.0	14651.9
Ni 231.604	5017.04	4974.56	4978.90
Pb 220.353	994.904	993.512	997.186
Sb 206.834	1973.37	1961.33	1951.15
Se 196.026	9967.00	9985.29	9993.61
Sn 189.925	9920.11	9984.39	10022.4
Sr 216.596	4983.05	5019.87	5005.79
Ti 334.941	999.042	1000.00	999.592
Tl 190.794	10002.4	10010.2	9988.99
V 292.401	10002.3	10013.7	10003.2
Zn 206.200	4994.70	4988.60	4979.65

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Ag 328.068	1001.87	ppb	5.6004	0.6	48500.6	100.18703
Al 308.215	10007.2	ppb	6.0310	0.1	57742.7	100.07238

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
As 188.980	1000.82	ppb	8.7461	0.9	461.179	100.08177
B 249.678	1008.35	ppb	2.5436	0.3	13876.0	100.83543
Ba 389.178	9977.60	ppb	8.0298	0.1	208893	99.77599
Be 313.042	1002.93	ppb	0.5643	0.1	2350761	100.29333
Ca 370.602	10003	ppb	11.09	0.1	37174	100.03181
Cd 226.502	999.474	ppb	1.1070	0.1	28931.9	99.94743
Co 228.615	999.444	ppb	1.8167	0.2	7621.92	99.94444
Cr 267.716	9987.92	ppb	5.1902	0.1	256847	99.87924
Cu 324.754	10020.4	ppb	104.961	1.0	482556	100.20358
Fe 271.441	10008.0	ppb	3.1438	0.0	8825.75	100.07990
K 766.491	20019.5	ppb	9.4982	0.0	2553399	100.09766
Mg 279.078	9990.98	ppb	14.7049	0.1	21284.1	99.90976
Mn 257.610	9967.22	ppb	24.3619	0.2	1375650	99.67222
Mo 202.032	997.610	ppb	2.4430	0.2	5473.78	99.76102
Na 330.237	14578.6	ppb	109.314	0.7	875.464	97.19093
Ni 231.604	4990.17	ppb	23.3710	0.5	13656.9	99.80335
Pb 220.353	995.201	ppb	1.8550	0.2	962.841	99.52005
Sb 206.834	1961.95	ppb	11.1196	0.6	1675.19	98.09748
Se 196.026	9981.97	ppb	13.6112	0.1	3439.53	99.81969
Sn 189.925	9975.64	ppb	51.7202	0.5	5341.90	99.75642
Sr 216.596	5002.90	ppb	18.5796	0.4	35968.7	100.05806
Ti 334.941	999.545	ppb	0.4814	0.0	350414	99.95450
Tl 190.794	10000.5	ppb	10.7430	0.1	5375.13	100.00549
V 292.401	10006.4	ppb	6.3480	0.1	321016	100.06394
Zn 206.200	4987.65	ppb	7.5712	0.2	10026.2	99.75304

Initial Calib Verif (ICV) **9/12/2014, 9:56:10 AM** **Rack S, Tube 3**

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

Label	Replicates Concentration		
Ag 328.068	1018.01x	1015.57x	1017.37x
Al 308.215	1033.69	1035.87	1035.76
As 188.980	1018.81	1016.19	1008.75
B 249.678	1017.61	1019.10	1027.04
Ba 389.178	1033.58	1032.11	1036.77
Be 313.042	1017.96x	1020.14x	1026.68x
Ca 370.602	1010	1012	1014
Cd 226.502	1016.79x	1017.35x	1022.79x
Co 228.615	1038.87	1042.40	1052.43
Cr 267.716	1020.40	1021.71	1025.84
Cu 324.754	1013.76	1012.94	1014.98
Fe 271.441	1008.51	1012.67	1020.25
K 766.491	10005.9	10028.9	10073.5
Mg 279.078	1012.36	1009.55	1016.10
Mn 257.610	1045.33	1047.98	1050.89
Mo 202.032	1024.78x	1032.45x	1036.53x
Na 330.237	10128.6	10009.3	9943.81
Ni 231.604	1022.09	1023.72	1021.11
Pb 220.353	1029.69	1025.52	1023.50
Sb 206.834	1009.83	1019.82	1020.98
Se 196.026	994.055	1002.46	983.832
Sn 189.925	5094.51	5078.20	5077.11
Sr 216.596	5150.24x	5164.27x	5182.30x
Ti 334.941	984.444	984.782	989.140

Label	Replicates Concentration		
Tl 190.794	1002.22	1006.05	1011.35
V 292.401	1046.63	1049.35	1052.90
Zn 206.200	1031.87	1035.82	1036.57

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Ag 328.068	1016.98xb	ppb	1.2645	0.1	49178.7	101.69830
Al 308.215	1035.11b	ppb	1.2259	0.1	6379.13	103.51090
As 188.980	1014.58b	ppb	5.2203	0.5	467.643	101.45808
B 249.678	1021.25b	ppb	5.0701	0.5	14045.4	102.12505
Ba 389.178	1034.16b	ppb	2.3783	0.2	21624.6	103.41555
Be 313.042	1021.59xb	ppb	4.5377	0.4	2391781	102.15944
Ca 370.602	1012b	ppb	1.942	0.2	3951	101.18473
Cd 226.502	1018.98xb	ppb	3.3148	0.3	29472.9	101.89793
Co 228.615	1044.57b	ppb	7.0392	0.7	7965.41	104.45658
Cr 267.716	1022.65b	ppb	2.8360	0.3	26304.7	102.26492
Cu 324.754	1013.89b	ppb	1.0255	0.1	49012.4	101.38921
Fe 271.441	1013.81b	ppb	5.9527	0.6	973.849	101.38112
K 766.491	10036.1b	ppb	34.4023	0.3	1280973	100.36094
Mg 279.078	1012.67b	ppb	3.2849	0.3	2184.66	101.26709
Mn 257.610	1048.07b	ppb	2.7824	0.3	144666	104.80656
Mo 202.032	1031.25xb	ppb	5.9620	0.6	5663.04	103.12535
Na 330.237	10027.2b	ppb	93.6727	0.9	623.441	100.27224
Ni 231.604	1022.31b	ppb	1.3208	0.1	2800.55	102.23064
Pb 220.353	1026.24b	ppb	3.1569	0.3	988.887	102.62373
Sb 206.834	1016.87b	ppb	6.1299	0.6	836.911	101.68739
Se 196.026	993.450b	ppb	9.3299	0.9	347.364	99.34496
Sn 189.925	5083.27b	ppb	9.7491	0.2	2719.82	101.66544
Sr 216.596	5165.60xb	ppb	16.0714	0.3	37261.3	103.31208
Ti 334.941	986.122b	ppb	2.6193	0.3	345687	98.61219
Tl 190.794	1006.54b	ppb	4.5847	0.5	536.550	100.65377
V 292.401	1049.63b	ppb	3.1411	0.3	33469.6	104.96252
Zn 206.200	1034.75b	ppb	2.5231	0.2	2083.31	103.47520

Initial Calib Blank (ICB) **9/12/2014, 10:00:36 AM** **Rack S, Tube 1**

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

Label	Replicates Concentration		
Ag 328.068	0.4467	0.8108	-0.3335u
Al 308.215	-3.2842u	-2.9013u	-5.9714u
As 188.980	5.5222	-2.1399u	3.8611
B 249.678	15.2380	13.6441	12.0412
Ba 389.178	0.4154	0.6752	0.3154
Be 313.042	0.0760	0.0722	0.0442
Ca 370.602	-0.0116	5.868	6.460
Cd 226.502	0.1094	0.2309	0.3763
Co 228.615	-0.2864u	-0.0122u	0.5294
Cr 267.716	0.0705	0.3543	0.0071
Cu 324.754	0.5401	0.4503	0.2680
Fe 271.441	9.8978	-0.0956u	1.9598
K 766.491	0.8124	0.5600	0.6748
Mg 279.078	-1.3039u	-2.2538u	-1.9755u
Mn 257.610	0.2384	0.2355	0.1449
Mo 202.032	4.3126	3.7269	3.0219
Na 330.237	38.5202	72.9363	95.9885

Label	Replicates Concentration		
Ni 231.604	-0.4000u	-0.0817u	0.8568
Pb 220.353	4.5857	1.2133	3.6664
Sb 206.834	0.3667	4.5462	4.9480
Se 196.026	-0.2392u	1.1537	3.0776
Sn 189.925	-1.9397u	5.4774	-6.3215u
Sr 216.596	0.9843	-0.0760u	0.4145
Ti 334.941	0.4225	0.3746	0.3547
Tl 190.794	-1.0686u	0.8642	2.0631
V 292.401	0.0630	0.1032	0.2343
Zn 206.200	0.1502	-0.0217u	-0.6135u

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Ag 328.068	0.3080	ppb	0.5846	189.8	-4.7545	0.30799
Al 308.215	-4.0523	ppb	1.6730	41.3	365.585	-4.05230
As 188.980	2.4145	ppb	4.0307	166.9	-2.9036	2.41447
B 249.678	13.6411	ppb	1.5984	11.7	217.745	13.64110
Ba 389.178	0.4686	ppb	0.1857	39.6	-22.8073	0.46865
Be 313.042	0.0641	ppb	0.0174	27.1	-3058.61	0.06415
Ca 370.602	4.106	ppb	3.578	87.1	13.82	4.10552
Cd 226.502	0.2388	ppb	0.1336	55.9	20.9889	0.23884
Co 228.615	0.0769	ppb	0.4152	539.8	-10.3410	0.07691
Cr 267.716	0.1439	ppb	0.1849	128.4	10.9809	0.14394
Cu 324.754	0.4195	ppb	0.1386	33.0	226.572	0.41946
Fe 271.441	3.9207	ppb	5.2774	134.6	23.8875	3.92067
K 766.491	0.6824	ppb	0.1264	18.5	1923.79	0.68241
Mg 279.078	-1.8444	ppb	0.4884	26.5	26.6862	-1.84439
Mn 257.610	0.2063	ppb	0.0531	25.8	45.1885	0.20627
Mo 202.032	3.6872	ppb	0.6463	17.5	25.4239	3.68716
Na 330.237	69.1484	ppb	28.9208	41.8	56.5069	69.14838
Ni 231.604	0.1250	ppb	0.6534	522.6	3.8326	0.12504
Pb 220.353	3.1551	ppb	1.7434	55.3	2.7994	3.15513
Sb 206.834	3.2870	ppb	2.5370	77.2	8.7456	3.28696
Se 196.026	1.3307	ppb	1.6655	125.2	6.0523	1.33066
Sn 189.925	-0.9279	ppb	5.9642	642.8	-5.0814	-0.92790
Sr 216.596	0.4409	ppb	0.5307	120.4	4.0886	0.44092
Ti 334.941	0.3839	ppb	0.0349	9.1	48.6949	0.38394
Tl 190.794	0.6196	ppb	1.5801	255.0	-5.3060	0.61959
V 292.401	0.1335	ppb	0.0896	67.1	11.2476	0.13353
Zn 206.200	-0.1617	ppb	0.4006	247.8	0.5812	-0.16168

CRI (CRI) **9/12/2014, 10:05:04 AM** **Rack S, Tube 4**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Replicates Concentration		
Ag 328.068	10.2476	10.6030	10.2306
Al 308.215	194.890	190.729	192.020
As 188.980	17.1285	25.6790	20.2869
B 249.678	104.727	103.229	104.015
Ba 389.178	9.8411	8.6122	10.7162
Be 313.042	4.0611	4.0466	4.0336
Ca 370.602	497.4	490.0	490.0
Cd 226.502	5.1112	5.0388	4.9782
Co 228.615	10.4729	9.8967	9.7293
Cr 267.716	9.6643	9.6793	9.8779

Label	Replicates Concentration		
Cu 324.754	20.6252	20.5415	20.6504
Fe 271.441	51.2167	48.5812	51.0390
K 766.491	1021.52	1010.53	1008.25
Mg 279.078	492.429	492.092	493.137
Mn 257.610	10.5039	10.4320	10.4116
Mo 202.032	11.5063	10.3283	11.2536
Na 330.237	1076.20	795.646	1048.39
Ni 231.604	39.2928	40.4959	39.4039
Pb 220.353	10.3003	10.9217	7.8058
Sb 206.834	23.2502	17.5564	21.8892
Se 196.026	14.0658	21.7122	16.7056
Sn 189.925	49.6524	53.1683	55.4292
Sr 216.596	10.2131	10.3127	9.7156
Ti 334.941	10.1995	10.0156	9.9868
Tl 190.794	27.6925	23.5363	25.3307
V 292.401	10.1077	9.6890	10.1182
Zn 206.200	20.6974	21.0897	19.8794

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Ag 328.068	10.3604	ppb	0.2103	2.0	481.538	103.60408
Al 308.215	192.546	ppb	2.1299	1.1	1482.07	96.27302
As 188.980	21.0314	ppb	4.3236	20.6	5.7485	105.15723
B 249.678	103.990	ppb	0.7494	0.7	1456.70	103.99033
Ba 389.178	9.7231	ppb	1.0570	10.9	172.280	97.23137
Be 313.042	4.0471	ppb	0.0138	0.3	6280.18	101.17720
Ca 370.602	492.5	ppb	4.245	0.9	1826	98.49139
Cd 226.502	5.0427	ppb	0.0666	1.3	159.991	100.85464
Co 228.615	10.0330	ppb	0.3901	3.9	65.7372	100.32961
Cr 267.716	9.7405	ppb	0.1192	1.2	257.763	97.40509
Cu 324.754	20.6057	ppb	0.0570	0.3	1197.93	103.02850
Fe 271.441	50.2790	ppb	1.4730	2.9	64.8756	100.55793
K 766.491	1013.43	ppb	7.0966	0.7	131003	101.34348
Mg 279.078	492.552	ppb	0.5332	0.1	1079.30	98.51050
Mn 257.610	10.4492	ppb	0.0485	0.5	1461.70	104.49164
Mo 202.032	11.0294	ppb	0.6202	5.6	65.7015	110.29397
Na 330.237	973.414	ppb	154.578	15.9	109.492	97.34136
Ni 231.604	39.7308	ppb	0.6649	1.7	112.196	99.32710
Pb 220.353	9.6759	ppb	1.6491	17.0	9.0754	96.75948
Sb 206.834	20.8986	ppb	2.9734	14.2	23.2593	104.49296
Se 196.026	17.4945	ppb	3.8837	22.2	11.6149	87.47266
Sn 189.925	52.7500	ppb	2.9110	5.5	23.6876	105.49995
Sr 216.596	10.0805	ppb	0.3199	3.2	72.5061	100.80493
Ti 334.941	10.0673	ppb	0.1154	1.1	3445.02	100.67284
Tl 190.794	25.5198	ppb	2.0846	8.2	8.0805	102.07936
V 292.401	9.9716	ppb	0.2448	2.5	325.466	99.71642
Zn 206.200	20.5555	ppb	0.6175	3.0	42.3006	102.77751

Interf Check A (ICSA) **9/12/2014, 10:09:32 AM** **Rack S, Tube 5**

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

Label	Replicates Concentration		
Ag 328.068	0.4439u	0.1005u	-0.2681u
Al 308.215	541455	539717	542289
As 188.980	-16.0611u	-14.0778u	-9.5574u

Label	Replicates Concentration		
B 249.678	8.7091u	8.6051u	8.5240u
Ba 389.178	4.0717	2.8852	3.8814
Be 313.042	-0.2730u	-0.2580u	-0.2566u
Ca 370.602	496379	493030	493256
Cd 226.502	3.2356	3.9105	3.3743
Co 228.615	1.4197	1.3593	0.9912
Cr 267.716	-0.8108u	-0.9584u	-0.9999u
Cu 324.754	5.2534u	4.2231u	3.5472u
Fe 271.441	192409	191651	192136
K 766.491	1.7410	2.0414	2.2604
Mg 279.078	522988	520114	522711
Mn 257.610	-0.0324	-0.0538	-0.0975
Mo 202.032	-0.4093u	1.6329u	-0.5480u
Na 330.237	757.098u	606.232u	678.424u
Ni 231.604	2.7730	4.7489	4.8428
Pb 220.353	2.7175u	6.5396u	13.4082u
Sb 206.834	15.3630	1.8865	8.0004
Se 196.026	6.4142	-24.6943u	-18.6173u
Sn 189.925	-7.6709u	5.2907	2.6373
Sr 216.596	8.6637	8.0651	10.3611
Ti 334.941	1.0258	1.0009	1.0119
Tl 190.794	1.5279u	5.2617u	-3.1800u
V 292.401	1.2210	1.1721	1.1685
Zn 206.200	6.8640	7.1262	4.3376

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Ag 328.068	0.0921	ppb	0.3561	386.7	-37.2376	0.09209
Al 308.215	541153	ppb	1312.15	0.2	3070967	-
As 188.980	-13.2321	ppb	3.3333	25.2	-11.4908	-13.23212
B 249.678	8.6127	ppb	0.0928	1.1	19.5641	8.61272
Ba 389.178	3.6128	ppb	0.6372	17.6	1686.40	3.61276
Be 313.042	-0.2625	ppb	0.0091	3.5	-3581.45	-0.26253
Ca 370.602	494222	ppb	1871	0.4	1830180	-
Cd 226.502	3.5068	ppb	0.3564	10.2	606.009	3.50682
Co 228.615	1.2567	ppb	0.2319	18.5	7.5081	1.25672
Cr 267.716	-0.9231	ppb	0.0994	10.8	-13.6613	-0.92307
Cu 324.754	4.3412	ppb	0.8592	19.8	-57.3707	4.34124
Fe 271.441	192065	ppb	383.952	0.2	167091	-
K 766.491	2.0143	ppb	0.2608	12.9	2093.54	2.01425
Mg 279.078	521938	ppb	1585.12	0.3	1111010	-
Mn 257.610	-0.0613	ppb	0.0332	54.2	3380.91	-0.06125
Mo 202.032	0.2252	ppb	1.2211	542.2	-9.1038	0.22522
Na 330.237	680.585	ppb	75.4562	11.1	7.4967	680.58478
Ni 231.604	4.1216	ppb	1.1689	28.4	21.6878	4.12160
Pb 220.353	7.5551	ppb	5.4172	71.7	-16.6414	7.55514
Sb 206.834	8.4167	ppb	6.7479	80.2	13.0897	8.41666
Se 196.026	-12.2991	ppb	16.4886	134.1	6.4304	-12.29913
Sn 189.925	0.0857	ppb	6.8472	7988.6	-4.5384	0.08571
Sr 216.596	9.0300	ppb	1.1910	13.2	301.780	9.02995
Ti 334.941	1.0129	ppb	0.0125	1.2	1427.69	1.01289
Tl 190.794	1.2032	ppb	4.2302	351.6	-23.9289	1.20320
V 292.401	1.1872	ppb	0.0294	2.5	128.632	1.18721
Zn 206.200	6.1093	ppb	1.5399	25.2	17.4015	6.10926

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Interf Check AB (ICSAB) **9/12/2014, 10:14:01 AM** **Rack S, Tube 6**

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

Label	Replicates Concentration		
Ag 328.068	225.597	225.586	225.279
Al 308.215	548809	548353	549839
As 188.980	89.1712	82.9617	102.872
B 249.678	7.3132u	5.9499u	7.5515u
Ba 389.178	516.907	514.489	516.378
Be 313.042	493.294	492.078	491.933
Ca 370.602	501210	497804	497333
Cd 226.502	955.836	953.953	955.882
Co 228.615	482.042	485.706	479.791
Cr 267.716	496.622	496.149	496.287
Cu 324.754	574.193	575.314	574.054
Fe 271.441	194538	193688	194116
K 766.491	1.4846	1.8625	2.3526
Mg 279.078	527863	528458	528730
Mn 257.610	522.062	521.233	521.614
Mo 202.032	995.047	997.289	1000.28
Na 330.237	711.780u	518.722u	408.369u
Ni 231.604	949.068	958.196	951.604
Pb 220.353	59.5902	56.3982	53.2944
Sb 206.834	637.337	637.492	643.618
Se 196.026	49.0906	64.1679	59.6751
Sn 189.925	1000.89	1006.35	1016.95
Sr 216.596	10.3458	11.7884	10.4904
Ti 334.941	0.3997	0.3949	0.4229
Tl 190.794	87.7315	81.9912	84.7570
V 292.401	501.267	501.485	502.097
Zn 206.200	951.338	949.516	948.032

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Ag 328.068	225.487	ppb	0.1806	0.1	10868.3	112.74368
Al 308.215	549000	ppb	761.179	0.1	3115580	109.80005
As 188.980	91.6683	ppb	10.1874	11.1	37.4601	91.66828
B 249.678	6.9382	ppb	0.8641	12.5	3.1270	-
Ba 389.178	515.925	ppb	1.2709	0.2	12434.3	103.18491
Be 313.042	492.435	ppb	0.7476	0.2	1151411	98.48698
Ca 370.602	498783	ppb	2116	0.4	1847062	99.75651
Cd 226.502	955.223	ppb	1.1006	0.1	28123.5	95.52235
Co 228.615	482.513	ppb	2.9856	0.6	3665.75	96.50253
Cr 267.716	496.353	ppb	0.2433	0.0	12773.9	99.27052
Cu 324.754	574.520	ppb	0.6907	0.1	27405.8	114.90403
Fe 271.441	194114	ppb	425.223	0.2	168907	97.05714
K 766.491	1.8999	ppb	0.4352	22.9	2078.96	-
Mg 279.078	528350	ppb	443.678	0.1	1124660	105.67009
Mn 257.610	521.637	ppb	0.4150	0.1	75420.7	104.32733
Mo 202.032	997.539	ppb	2.6261	0.3	5462.66	99.75394
Na 330.237	546.290	ppb	153.573	28.1	-4.1992	-
Ni 231.604	952.956	ppb	4.7120	0.5	2617.78	95.29561
Pb 220.353	56.4276	ppb	3.1480	5.6	29.5016	112.85520
Sb 206.834	639.483	ppb	3.5822	0.6	521.930	106.58042
Se 196.026	57.6445	ppb	7.7410	13.4	30.6061	115.28909
Sn 189.925	1008.06	ppb	8.1695	0.8	535.691	100.80642
Sr 216.596	10.8749	ppb	0.7945	7.3	275.942	-

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Ti 334.941	0.4058	ppb	0.0150	3.7	1229.13	-
Tl 190.794	84.8266	ppb	2.8708	3.4	21.2134	84.82657
V 292.401	501.616	ppb	0.4307	0.1	15954.4	100.32323
Zn 206.200	949.629	ppb	1.6556	0.2	1917.28	94.96288

LRA1 (Samp) **9/12/2014, 10:18:31 AM** **Rack S, Tube 7**

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

Label	Replicates Concentration		
Ag 328.068	0.8369	0.0634	0.0124
Al 308.215	115.244	108.165	108.468
As 188.980	20678.5x	20683.4x	20747.7x
B 249.678	5245.42x	5250.11x	5254.27x
Ba 389.178	-3.5661u	-1.1625u	-3.0231u
Be 313.042	-1.6610u	-1.6360u	-1.6217u
Ca 370.602	497.4	465.9	467.0
Cd 226.502	0.3387	-0.1004u	-0.0862
Co 228.615	10427.0	10420.7	10383.5
Cr 267.716	1.7816	1.6578	2.0290
Cu 324.754	0.7110u	-0.0111u	0.4263u
Fe 271.441	-94.4976	-83.8239	-91.5031
K 766.491	1.4797	1.2665	1.1006
Mg 279.078	11.9568	8.4636	9.9297
Mn 257.610	30238.0x	30328.6x	30296.0x
Mo 202.032	2.9313	1.8488	1.8652
Na 330.237	1698.40u	1613.66u	1833.90u
Ni 231.604	10440.5	10434.9	10389.7
Pb 220.353	21236.0x	21154.8x	21110.1x
Sb 206.834	6.5390	9.0823	5.5354
Se 196.026	17.1627	10.1444	1.2841
Sn 189.925	5.4869	2.8019	1.4345
Sr 216.596	-1.2516u	-0.5814u	-0.7858u
Ti 334.941	29621.5	29433.0	29556.3
Tl 190.794	8.4820	13.7564	13.9823
V 292.401	-0.0744	0.1043	0.1095
Zn 206.200	0.7359	-0.1576u	0.7913

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	0.3042b	ppb	0.4620	151.9	68.3480
Al 308.215	110.626b	ppb	4.0023	3.6	1016.59
As 188.980	20703.2xb	ppb	38.6159	0.2	9616.17
B 249.678	5249.93xb	ppb	4.4257	0.1	72012.0
Ba 389.178	-2.5839b	ppb	1.2606	48.8	-84.9396
Be 313.042	-1.6395b	ppb	0.0199	1.2	-7070.67
Ca 370.602	476.8b	ppb	17.86	3.7	8183
Cd 226.502	0.0507b	ppb	0.2495	492.2	18.3059
Co 228.615	10410.4b	ppb	23.5326	0.2	79968.3
Cr 267.716	1.8228b	ppb	0.1890	10.4	54.0341
Cu 324.754	0.3754b	ppb	0.3638	96.9	-343.165
Fe 271.441	-89.9415b	ppb	5.5055	6.1	621.747
K 766.491	1.2823b	ppb	0.1900	14.8	2000.24
Mg 279.078	10.1167b	ppb	1.7541	17.3	50.2034
Mn 257.610	30287.5xb	ppb	45.8705	0.2	4179934
Mo 202.032	2.2151b	ppb	0.6203	28.0	17.2644

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Na 330.237	1715.32b	ppb	111.093	6.5	-313.258
Ni 231.604	10421.7b	ppb	27.8636	0.3	28517.2
Pb 220.353	21167.0xb	ppb	63.8563	0.3	20409.3
Sb 206.834	7.0523b	ppb	1.8283	25.9	11.9059
Se 196.026	9.5304b	ppb	7.9571	83.5	13.0309
Sn 189.925	3.2411b	ppb	2.0616	63.6	-2.8486
Sr 216.596	-0.8729b	ppb	0.3435	39.4	-336.080
Ti 334.941	29537.0b	ppb	95.7087	0.3	10356673
Tl 190.794	12.0736b	ppb	3.1124	25.8	19.3078
V 292.401	0.0465b	ppb	0.1047	225.3	386.576
Zn 206.200	0.4565b	ppb	0.5326	116.7	1.8403

LRA2 (Samp) **9/12/2014, 10:23:01 AM** **Rack S, Tube 8**

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

Label	Replicates Concentration		
Ag 328.068	-0.5167u	-0.6703u	0.8938u
Al 308.215	870719x	870947x	872705x
As 188.980	61.1417	24.4940	24.1957
B 249.678	66.6271	57.9775	51.2505
Ba 389.178	34.4555	33.4381	34.9196
Be 313.042	-0.3892u	-0.3685u	-0.3961u
Ca 370.602	774885	772072	768142
Cd 226.502	21.8107	21.8638	22.3898
Co 228.615	-9.5848u	-9.7222u	-10.1377u
Cr 267.716	-9.7324u	-9.7586u	-9.6631u
Cu 324.754	5.3393u	8.8750u	8.8316u
Fe 271.441	927051	924213	924870
K 766.491	9.4266	9.2620	9.4146
Mg 279.078	802361	798671	802136
Mn 257.610	2.8379	2.6399	2.2029
Mo 202.032	-2.6366u	-0.4478u	0.4719u
Na 330.237	1310.42u	1119.86u	1229.15u
Ni 231.604	-5.5033	-4.8107	0.3882
Pb 220.353	-1.4282u	2.7439u	-16.2198u
Sb 206.834	24.4324	15.2613	13.1001
Se 196.026	-15.2748	-16.7482	-24.6747
Sn 189.925	-7.0827u	-8.2204u	-11.0553u
Sr 216.596	22.4516	24.1696	22.4127
Ti 334.941	10.1039	9.0075	8.2298
Tl 190.794	-2.4456u	17.7648u	10.1439u
V 292.401	5.0407	4.8106	4.8339
Zn 206.200	5.0931	1.0280	6.0081

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.0977b	ppb	0.8621	882.3	-117.631
Al 308.215	871457xb	ppb	1086.85	0.1	4945157
As 188.980	36.6105b	ppb	21.2452	58.0	6.6696
B 249.678	58.6184b	ppb	7.7083	13.2	213.976
Ba 389.178	34.2711b	ppb	0.7578	2.2	4326.95
Be 313.042	-0.3846b	ppb	0.0144	3.7	-3727.60
Ca 370.602	771700b	ppb	3387	0.4	2849119
Cd 226.502	22.0214b	ppb	0.3201	1.5	2988.53
Co 228.615	-9.8149b	ppb	0.2879	2.9	-43.8412

F09122014.wvq. All Data Report 9/15/2014, 10:04:20 AM

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Cr 267.716	-9.7180b	ppb	0.0494	0.5	-238.272
Cu 324.754	7.6820b	ppb	2.0290	26.4	-158.635
Fe 271.441	925378b	ppb	1485.30	0.2	804974
K 766.491	9.3678b	ppb	0.0918	1.0	3030.77
Mg 279.078	801056b	ppb	2068.21	0.3	1703879
Mn 257.610	2.5602b	ppb	0.3249	12.7	6902.16
Mo 202.032	-0.8708b	ppb	1.5968	183.4	-74.1301
Na 330.237	1219.81b	ppb	95.6257	7.8	-283.548
Ni 231.604	-3.3086b	ppb	3.2202	97.3	26.9875
Pb 220.353	-4.9680b	ppb	9.9651	200.6	-49.5519
Sb 206.834	17.5979b	ppb	6.0166	34.2	20.8285
Se 196.026	-18.8992b	ppb	5.0557	26.8	15.1806
Sn 189.925	-8.7861b	ppb	2.0459	23.3	-9.2945
Sr 216.596	23.0113b	ppb	1.0034	4.4	953.574
Ti 334.941	9.1137b	ppb	0.9416	10.3	4977.76
Tl 190.794	8.4877b	ppb	10.2065	120.3	-74.5697
V 292.401	4.8951b	ppb	0.1267	2.6	552.617
Zn 206.200	4.0431b	ppb	2.6509	65.6	29.1510

K NA ZN (Samp) **9/12/2014, 10:27:31 AM** **Rack S, Tube 9**

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

Label	Replicates Concentration		
Ag 328.068	-0.0918u	0.7549	0.6960
Al 308.215	54.3721	43.9936	38.9562
As 188.980	14.4661	22.4548	27.5170
B 249.678	13.6430	13.0077	12.0978
Ba 389.178	0.6369	0.4486	0.9402
Be 313.042	-0.0127u	-0.0344u	-0.0250u
Ca 370.602	53.53	44.44	41.43
Cd 226.502	0.1457	-0.0254u	-0.1393u
Co 228.615	0.6818	0.9164	0.4006
Cr 267.716	-0.2735u	-0.0771u	-0.2302u
Cu 324.754	0.6975	0.4089	0.7800
Fe 271.441	78.3725	59.9943	62.2535
K 766.491	39378.5x	39697.8x	39447.1x
Mg 279.078	54.4254	44.5412	39.0028
Mn 257.610	0.6954	0.5716	0.4919
Mo 202.032	0.5452	-0.4138u	0.1533
Na 330.237	97744.7x	97571.7x	97027.7x
Ni 231.604	0.4770	1.7738	0.0324
Pb 220.353	1.0705	-1.0909u	1.7455
Sb 206.834	0.8475	4.0025	4.9812
Se 196.026	3.5689	3.6614	9.1593
Sn 189.925	0.8600	4.3017	1.2680
Sr 216.596	0.4797	0.4186	0.5696
Ti 334.941	2.3183	2.0811	1.9362
Tl 190.794	-3.9082u	-4.0033u	-0.4678u
V 292.401	0.1314	-0.2191u	-0.2492u
Zn 206.200	29002.1x	29229.4x	29151.9x

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	0.4530b	ppb	0.4728	104.4	2.2545
Al 308.215	45.7740b	ppb	7.8606	17.2	648.076

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Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
As 188.980	21.4793b	ppb	6.5799	30.6	5.9541
B 249.678	12.9162b	ppb	0.7766	6.0	207.844
Ba 389.178	0.6752b	ppb	0.2480	36.7	-18.2508
Be 313.042	-0.0241b	ppb	0.0109	45.4	-3278.44
Ca 370.602	46.46b	ppb	6.299	13.6	170.3
Cd 226.502	-0.0063b	ppb	0.1435	2263.5	13.6718
Co 228.615	0.6663b	ppb	0.2582	38.8	-5.7234
Cr 267.716	-0.1936b	ppb	0.1032	53.3	2.9190
Cu 324.754	0.6288b	ppb	0.1949	31.0	236.515
Fe 271.441	66.8734b	ppb	10.0223	15.0	78.6606
K 766.491	39507.8xb	ppb	168.085	0.4	5037246
Mg 279.078	45.9898b	ppb	7.8127	17.0	128.402
Mn 257.610	0.5863b	ppb	0.1025	17.5	97.7530
Mo 202.032	0.0949b	ppb	0.4822	508.1	5.7080
Na 330.237	97448.0xb	ppb	374.175	0.4	5701.46
Ni 231.604	0.7610b	ppb	0.9048	118.9	5.6040
Pb 220.353	0.5750b	ppb	1.4817	257.7	0.3095
Sb 206.834	3.2770b	ppb	2.1602	65.9	8.7943
Se 196.026	5.4632b	ppb	3.2013	58.6	7.4744
Sn 189.925	2.1432b	ppb	1.8804	87.7	-3.4141
Sr 216.596	0.4893b	ppb	0.0760	15.5	4.5205
Ti 334.941	2.1118b	ppb	0.1929	9.1	645.573
Tl 190.794	-2.7931b	ppb	2.0144	72.1	-7.1429
V 292.401	-0.1123b	ppb	0.2116	188.4	3.4019
Zn 206.200	29127.8xb	ppb	115.535	0.4	58688.2

Cont Calib Verif (CCV) **9/12/2014, 10:31:59 AM** **Rack 1, Tube 1**

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

Label	Replicates Concentration		
Ag 328.068	484.120	485.924	482.911
Al 308.215	4785.35	4801.20	4777.05
As 188.980	474.093	480.733	468.497
B 249.678	494.906	497.869	496.897
Ba 389.178	4816.77	4823.89	4807.24
Be 313.042	483.515	486.188	482.574
Ca 370.602	4803	4820	4789
Cd 226.502	482.827	484.007	481.216
Co 228.615	482.175	483.494	481.852
Cr 267.716	4823.25	4835.83	4811.70
Cu 324.754	4842.46	4891.80	4867.75
Fe 271.441	4884.38	4868.71	4854.05
K 766.491	9751.68	9779.15	9730.72
Mg 279.078	4792.18	4794.40	4774.45
Mn 257.610	4883.95	4918.32	4902.32
Mo 202.032	486.080	484.346	484.103
Na 330.237	6951.25	6995.04	6940.03
Ni 231.604	2432.44	2435.99	2427.56
Pb 220.353	483.300	491.408	486.076
Sb 206.834	924.703	932.779	929.761
Se 196.026	4859.58	4873.27	4826.05
Sn 189.925	4808.29	4810.24	4803.77
Sr 216.596	2400.43	2406.03	2397.82
Ti 334.941	478.388	479.275	477.289

Label	Replicates Concentration		
Tl 190.794	4887.74	4895.19	4873.30
V 292.401	4810.61	4825.62	4801.46
Zn 206.200	2423.71	2425.82	2416.01

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Ag 328.068	484.319	ppb	1.5162	0.3	23435.8	96.86371
Al 308.215	4787.86	ppb	12.2694	0.3	27829.9	95.75729
As 188.980	474.441	ppb	6.1258	1.3	216.508	94.88821
B 249.678	496.557	ppb	1.5108	0.3	6848.20	99.31148
Ba 389.178	4815.97	ppb	8.3562	0.2	100811	96.31937
Be 313.042	484.093	ppb	1.8749	0.4	1132988	96.81856
Ca 370.602	4804	ppb	15.51	0.3	17850	96.07831
Cd 226.502	482.683	ppb	1.4008	0.3	13979.5	96.53666
Co 228.615	482.507	ppb	0.8699	0.2	3673.89	96.50145
Cr 267.716	4823.59	ppb	12.0672	0.3	124047	96.47179
Cu 324.754	4867.34	ppb	24.6749	0.5	234506	97.34672
Fe 271.441	4869.05	ppb	15.1676	0.3	4303.74	97.38093
K 766.491	9753.85	ppb	24.2889	0.2	1245000	97.53850
Mg 279.078	4787.01	ppb	10.9342	0.2	10213.9	95.74012
Mn 257.610	4901.53	ppb	17.1998	0.4	676503	98.03056
Mo 202.032	484.843	ppb	1.0781	0.2	2662.99	96.96859
Na 330.237	6962.11	ppb	29.0662	0.4	445.364	92.82812
Ni 231.604	2432.00	ppb	4.2338	0.2	6657.60	97.27988
Pb 220.353	486.928	ppb	4.1207	0.8	470.941	97.38564
Sb 206.834	929.081	ppb	4.0808	0.4	796.668	92.90811
Se 196.026	4852.97	ppb	24.2945	0.5	1675.08	97.05936
Sn 189.925	4807.43	ppb	3.3203	0.1	2571.98	96.14864
Sr 216.596	2401.43	ppb	4.1935	0.2	17264.3	96.05719
Ti 334.941	478.317	ppb	0.9949	0.2	167640	95.66348
Tl 190.794	4885.41	ppb	11.1327	0.2	2622.88	97.70818
V 292.401	4812.56	ppb	12.1987	0.3	154396	96.25126
Zn 206.200	2421.85	ppb	5.1619	0.2	4869.04	96.87396

Cont Calib Blank (CCB) **9/12/2014, 10:36:26 AM** **Rack 1, Tube 2**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Replicates Concentration		
Ag 328.068	0.0666	0.0256	-0.4692u
Al 308.215	-7.0995u	-5.5491u	-4.5475u
As 188.980	10.9007	8.0762	1.9893
B 249.678	9.7690	9.0339	7.8401
Ba 389.178	0.0385	0.0474	0.7466
Be 313.042	0.0501	0.0383	0.0542
Ca 370.602	2.793	3.257	-0.0235u
Cd 226.502	0.0697	-0.0490u	0.0852
Co 228.615	0.2450	-0.0909u	-0.1524u
Cr 267.716	0.2205	0.0981	0.0072
Cu 324.754	0.4438	0.0089	0.6920
Fe 271.441	9.6679	2.5690	2.5721
K 766.491	0.5791	0.5752	0.6741
Mg 279.078	-1.1476u	1.5300	2.9859
Mn 257.610	0.3150	0.3917	0.4211
Mo 202.032	1.3495	1.7686	1.0019
Na 330.237	71.1381	212.042	33.6206

Label	Replicates Concentration		
Ni 231.604	0.3238	-0.8862u	0.1581
Pb 220.353	2.7684	2.3196	0.0587
Sb 206.834	1.8130	2.0055	0.1160
Se 196.026	6.0822	5.4934	8.0953
Sn 189.925	1.7801	-0.9690u	0.1611
Sr 216.596	-0.7992u	0.4391	0.4676
Ti 334.941	0.4729	0.3867	0.3580
Tl 190.794	3.9069	-5.5367u	2.9506
V 292.401	0.3693	0.2684	0.3640
Zn 206.200	0.5738	-0.4433u	0.5418

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Ag 328.068	-0.1257	ppb	0.2982	237.3	-25.7310	-0.12567
Al 308.215	-5.7320	ppb	1.2858	22.4	355.918	-5.73203
As 188.980	6.9887	ppb	4.5541	65.2	-0.7786	6.98873
B 249.678	8.8810	ppb	0.9735	11.0	152.481	8.88102
Ba 389.178	0.2775	ppb	0.4063	146.4	-26.7947	0.27746
Be 313.042	0.0475	ppb	0.0083	17.4	-3097.25	0.04751
Ca 370.602	2.009	ppb	1.775	88.4	5.936	2.00878
Cd 226.502	0.0353	ppb	0.0734	208.1	15.1244	0.03528
Co 228.615	0.0006	ppb	0.2139	38541.8	-10.8799	0.00055
Cr 267.716	0.1086	ppb	0.1070	98.5	10.0702	0.10859
Cu 324.754	0.3816	ppb	0.3458	90.6	224.702	0.38155
Fe 271.441	4.9363	ppb	4.0976	83.0	24.7536	4.93631
K 766.491	0.6095	ppb	0.0560	9.2	1914.49	0.60947
Mg 279.078	1.1228	ppb	2.0966	186.7	32.9886	1.12277
Mn 257.610	0.3760	ppb	0.0548	14.6	68.6402	0.37597
Mo 202.032	1.3733	ppb	0.3840	28.0	12.7274	1.37332
Na 330.237	105.600	ppb	94.0703	89.1	58.6472	105.60004
Ni 231.604	-0.1348	ppb	0.6560	486.8	3.1220	-0.13477
Pb 220.353	1.7156	ppb	1.4524	84.7	1.4124	1.71556
Sb 206.834	1.3115	ppb	1.0398	79.3	7.1487	1.31152
Se 196.026	6.5570	ppb	1.3644	20.8	7.8495	6.55696
Sn 189.925	0.3241	ppb	1.3818	426.4	-4.4104	0.32406
Sr 216.596	0.0358	ppb	0.7233	2019.4	1.2095	0.03582
Ti 334.941	0.4058	ppb	0.0598	14.7	56.3828	0.40585
Tl 190.794	0.4403	ppb	5.1982	1180.7	-5.4021	0.44028
V 292.401	0.3339	ppb	0.0568	17.0	18.2534	0.33391
Zn 206.200	0.2241	ppb	0.5782	258.0	1.3587	0.22410

mb 680-348492/1-a (Samp) **9/12/2014, 10:40:53 AM** **Rack 1, Tube 3**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Replicates Concentration		
Ag 328.068	0.2556	-0.1047u	-0.0853u
Al 308.215	-0.6328u	-1.5397u	-2.0294u
As 188.980	2.4194	8.1344	0.9185
B 249.678	6.5802	5.3388	5.1539
Ba 389.178	0.4879	0.5390	-0.7235u
Be 313.042	-0.0093u	-0.0064u	0.0136
Ca 370.602	17.24	19.59	15.69
Cd 226.502	0.0127	0.0542	0.1329
Co 228.615	0.3702	-0.2482u	0.3270
Cr 267.716	0.1940	0.3385	0.2209

Label	Replicates Concentration		
Cu 324.754	0.5169	0.3699	0.7727
Fe 271.441	6.7221	12.1990	6.1273
K 766.491	7.7037	7.5706	7.4105
Mg 279.078	6.3115	5.7277	4.0809
Mn 257.610	0.1410	0.1250	0.1503
Mo 202.032	0.7231	-0.1128u	-0.1904u
Na 330.237	209.295	90.1292	111.558
Ni 231.604	0.1346	2.3686	0.2987
Pb 220.353	-3.0746u	-0.9452u	-0.1541u
Sb 206.834	1.9955	2.0456	1.0685
Se 196.026	9.0637	7.4523	4.5359
Sn 189.925	5.0680	7.8517	9.3160
Sr 216.596	0.1372	0.0850	-0.3982u
Ti 334.941	0.5603	0.4692	0.4906
Tl 190.794	6.4946	-1.9278u	3.0052
V 292.401	-0.3670u	0.3772	0.0481
Zn 206.200	2.3011	1.0678	1.6913

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	0.0219	ppb	0.2027	927.2	-18.5965
Al 308.215	-1.4007	ppb	0.7086	50.6	380.411
As 188.980	3.8241	ppb	3.8075	99.6	-2.2494
B 249.678	5.6910	ppb	0.7756	13.6	108.753
Ba 389.178	0.1011	ppb	0.7146	706.7	-30.4703
Be 313.042	-0.0007	ppb	0.0125	1828.6	-3210.08
Ca 370.602	17.51	ppb	1.964	11.2	63.37
Cd 226.502	0.0666	ppb	0.0610	91.6	16.0420
Co 228.615	0.1496	ppb	0.3452	230.7	-9.7156
Cr 267.716	0.2511	ppb	0.0768	30.6	13.7389
Cu 324.754	0.5532	ppb	0.2039	36.9	232.928
Fe 271.441	8.3495	ppb	3.3470	40.1	27.7266
K 766.491	7.5616	ppb	0.1468	1.9	2800.57
Mg 279.078	5.3733	ppb	1.1567	21.5	42.0300
Mn 257.610	0.1388	ppb	0.0128	9.2	35.9426
Mo 202.032	0.1400	ppb	0.5065	361.8	5.9598
Na 330.237	136.994	ppb	63.5246	46.4	60.4860
Ni 231.604	0.9340	ppb	1.2451	133.3	6.0462
Pb 220.353	-1.3913	ppb	1.5105	108.6	-1.5843
Sb 206.834	1.7032	ppb	0.5502	32.3	7.4936
Se 196.026	7.0173	ppb	2.2950	32.7	8.0079
Sn 189.925	7.4119	ppb	2.1579	29.1	-0.6116
Sr 216.596	-0.0586	ppb	0.2952	503.5	0.5090
Ti 334.941	0.5067	ppb	0.0476	9.4	91.7516
Tl 190.794	2.5240	ppb	4.2318	167.7	-4.2827
V 292.401	0.0194	ppb	0.3729	1919.0	8.4283
Zn 206.200	1.6867	ppb	0.6166	36.6	4.3056

lcs 680-348492/2-a (Samp) **9/12/2014, 10:45:20 AM** **Rack 1, Tube 4**

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

Label	Replicates Concentration		
Ag 328.068	49.7693	49.6489	49.2577
Al 308.215	4750.77	4755.98	4755.15
As 188.980	95.2089	97.8500	97.7066

Label	Replicates Concentration		
B 249.678	188.222	189.318	188.472
Ba 389.178	95.3818	94.8082	95.6470
Be 313.042	48.7236	48.8299	48.7206
Ca 370.602	4692	4704	4688
Cd 226.502	48.6452	48.8192	48.7342
Co 228.615	48.8888	48.4612	48.4401
Cr 267.716	97.6528	97.7086	97.7862
Cu 324.754	98.7936	98.6959	99.6115
Fe 271.441	4857.06	4852.27	4848.90
K 766.491	4825.39	4818.44	4816.99
Mg 279.078	4652.58	4696.00	4678.66
Mn 257.610	502.482	503.388	502.438
Mo 202.032	96.9082	97.3406	96.9786
Na 330.237	4967.16	4594.55	4792.14
Ni 231.604	96.6714	97.5458	97.4192
Pb 220.353	52.3542	56.8085	50.1296
Sb 206.834	52.9913	43.9360	48.2654
Se 196.026	97.6092	99.6496	91.0086
Sn 189.925	195.386	212.821	194.776
Sr 216.596	94.1520	94.7211	94.2259
Ti 334.941	97.1171	97.2216	97.0396
Tl 190.794	30.8338	31.6318	33.8215
V 292.401	96.7194	96.6881	96.6224
Zn 206.200	97.5671	98.0279	97.6939

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	49.5587	ppb	0.2675	0.5	2378.91
Al 308.215	4753.97	ppb	2.7976	0.1	27373.9
As 188.980	96.9218	ppb	1.4852	1.5	40.9992
B 249.678	188.671	ppb	0.5741	0.3	2614.94
Ba 389.178	95.2790	ppb	0.4287	0.4	1982.51
Be 313.042	48.7580	ppb	0.0622	0.1	111107
Ca 370.602	4695	ppb	8.654	0.2	17363
Cd 226.502	48.7329	ppb	0.0870	0.2	1435.00
Co 228.615	48.5967	ppb	0.2532	0.5	360.246
Cr 267.716	97.7159	ppb	0.0670	0.1	2520.13
Cu 324.754	99.0337	ppb	0.5028	0.5	4969.17
Fe 271.441	4852.74	ppb	4.0992	0.1	4245.16
K 766.491	4820.27	ppb	4.4890	0.1	616198
Mg 279.078	4675.74	ppb	21.8549	0.5	9977.08
Mn 257.610	502.769	ppb	0.5364	0.1	69439.6
Mo 202.032	97.0758	ppb	0.2320	0.2	537.408
Na 330.237	4784.61	ppb	186.420	3.9	330.105
Ni 231.604	97.2121	ppb	0.4726	0.5	269.632
Pb 220.353	53.0974	ppb	3.4009	6.4	50.6743
Sb 206.834	48.3975	ppb	4.5291	9.4	45.1379
Se 196.026	96.0891	ppb	4.5166	4.7	38.7913
Sn 189.925	200.994	ppb	10.2470	5.1	103.141
Sr 216.596	94.3664	ppb	0.3094	0.3	682.456
Ti 334.941	97.1261	ppb	0.0913	0.1	33980.5
Tl 190.794	32.0957	ppb	1.5469	4.8	11.3857
V 292.401	96.6766	ppb	0.0495	0.1	3091.26
Zn 206.200	97.7630	ppb	0.2380	0.2	197.753

660-62673-a-2-l (Samp) **9/12/2014, 10:49:47 AM** **Rack 1, Tube 5**

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

Label	Replicates Concentration		
Ag 328.068	1.7789	1.7960	1.5395
Al 308.215	1456.11	1456.50	1459.21
As 188.980	6.5363	5.8640	-2.2871u
B 249.678	15.6923	16.0538	15.2543
Ba 389.178	86.8000	86.1343	87.0419
Be 313.042	0.0612	0.0596	0.0644
Ca 370.602	4171	4169	4157
Cd 226.502	0.4093	0.2904	0.6121
Co 228.615	0.7184	0.3581	1.1881
Cr 267.716	5.1857	4.9951	4.7275
Cu 324.754	76.2651	76.7546	76.1760
Fe 271.441	4864.51	4852.99	4834.83
K 766.491	652.103	652.794	651.286
Mg 279.078	679.985	683.390	677.983
Mn 257.610	38.9329	38.7504	38.6835
Mo 202.032	2.7662	2.9202	2.5562
Na 330.237	22376.8	22500.6	22439.2
Ni 231.604	3.5470	4.1931	5.0099
Pb 220.353	7.8960	12.9875	9.8151
Sb 206.834	-7.1103u	0.5668	2.4183
Se 196.026	16.1537	8.2822	7.1934
Sn 189.925	16.3944	18.9272	8.8429
Sr 216.596	45.1243	44.8212	44.4115
Ti 334.941	15.0112	14.3280	14.7471
Tl 190.794	-2.6266u	-2.4820u	-2.1161u
V 292.401	1.5301	1.1654	1.4323
Zn 206.200	189.813	188.604	189.324

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	1.7048	ppb	0.1434	8.4	62.4678
Al 308.215	1457.27	ppb	1.6878	0.1	8657.35
As 188.980	3.3711	ppb	4.9117	145.7	-2.4922
B 249.678	15.6668	ppb	0.4003	2.6	242.263
Ba 389.178	86.6587	ppb	0.4700	0.5	1791.72
Be 313.042	0.0617	ppb	0.0025	4.0	-3064.76
Ca 370.602	4166	ppb	7.239	0.2	15384
Cd 226.502	0.4373	ppb	0.1626	37.2	38.8094
Co 228.615	0.7548	ppb	0.4162	55.1	-4.7143
Cr 267.716	4.9694	ppb	0.2301	4.6	135.288
Cu 324.754	76.3986	ppb	0.3115	0.4	3880.87
Fe 271.441	4850.77	ppb	14.9610	0.3	4240.02
K 766.491	652.061	ppb	0.7547	0.1	84944.3
Mg 279.078	680.453	ppb	2.7339	0.4	1469.88
Mn 257.610	38.7890	ppb	0.1291	0.3	5384.14
Mo 202.032	2.7475	ppb	0.1827	6.7	19.8786
Na 330.237	22438.9	ppb	61.8902	0.3	1370.18
Ni 231.604	4.2500	ppb	0.7331	17.2	15.2873
Pb 220.353	10.2329	ppb	2.5713	25.1	9.5179
Sb 206.834	-1.3751	ppb	5.0524	367.4	4.9340
Se 196.026	10.5431	ppb	4.8893	46.4	9.3099
Sn 189.925	14.7215	ppb	5.2462	35.6	3.3103
Sr 216.596	44.7857	ppb	0.3577	0.8	328.347

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ti 334.941	14.6954	ppb	0.3445	2.3	5067.16
Tl 190.794	-2.4082	ppb	0.2631	10.9	-7.2749
V 292.401	1.3759	ppb	0.1888	13.7	53.1370
Zn 206.200	189.247	ppb	0.6081	0.3	382.300

660-62673-a-2-lSD^5 (Samp) **9/12/2014, 10:54:15 AM** **Rack 1, Tube 6**

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

Label	Replicates Concentration		
Ag 328.068	0.8198	0.5639	0.8300
Al 308.215	372.864	364.228	349.815
As 188.980	-1.2353u	0.3801	0.4719
B 249.678	5.2857	6.2651	5.5653
Ba 389.178	22.2679	20.7401	21.5608
Be 313.042	0.0069	0.0257	0.0205
Ca 370.602	1086	1055	1009
Cd 226.502	0.0832	0.0459	0.0412
Co 228.615	0.4048	0.5034	0.5245
Cr 267.716	1.0227	1.1733	1.0636
Cu 324.754	19.5616	19.2086	18.6216
Fe 271.441	1245.48	1208.44	1163.85
K 766.491	163.738	158.485	152.792
Mg 279.078	178.383	174.221	161.777
Mn 257.610	9.9537	9.6480	9.2067
Mo 202.032	0.1186	0.1021	0.2655
Na 330.237	5848.89	5651.57	5321.66
Ni 231.604	-0.3987u	1.7224	1.5692
Pb 220.353	0.0527	-0.6209u	-2.0493u
Sb 206.834	0.1846	0.0552	-0.7017u
Se 196.026	-5.3140u	5.3338	-1.6858u
Sn 189.925	2.1921	5.4086	1.3933
Sr 216.596	11.9182	10.5681	10.5905
Ti 334.941	3.6946	3.6245	3.3739
Tl 190.794	-2.9956u	-5.2017u	-0.4956u
V 292.401	0.4149	0.4051	0.3005
Zn 206.200	48.6635	47.4556	45.8049

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	0.7379	ppb	0.1508	20.4	15.9547
Al 308.215	362.302	ppb	11.6443	3.2	2444.12
As 188.980	-0.1277	ppb	0.9603	751.7	-4.0939
B 249.678	5.7054	ppb	0.5045	8.8	108.099
Ba 389.178	21.5229	ppb	0.7646	3.6	420.490
Be 313.042	0.0177	ppb	0.0097	54.7	-3167.09
Ca 370.602	1050	ppb	38.76	3.7	3875
Cd 226.502	0.0567	ppb	0.0230	40.5	18.7370
Co 228.615	0.4775	ppb	0.0639	13.4	-7.1113
Cr 267.716	1.0865	ppb	0.0779	7.2	35.2728
Cu 324.754	19.1306	ppb	0.4748	2.5	1126.43
Fe 271.441	1205.92	ppb	40.8750	3.4	1069.47
K 766.491	158.338	ppb	5.4748	3.5	22017.6
Mg 279.078	171.460	ppb	8.6407	5.0	393.307
Mn 257.610	9.6028	ppb	0.3756	3.9	1345.55
Mo 202.032	0.1621	ppb	0.0899	55.5	5.9851

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Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Na 330.237	5607.37	ppb	266.375	4.8	381.742
Ni 231.604	0.9643	ppb	1.1829	122.7	6.1708
Pb 220.353	-0.8725	ppb	1.0733	123.0	-1.1112
Sb 206.834	-0.1540	ppb	0.4787	310.9	5.9624
Se 196.026	-0.5554	ppb	5.4132	974.7	5.4262
Sn 189.925	2.9980	ppb	2.1255	70.9	-2.9762
Sr 216.596	11.0256	ppb	0.7731	7.0	81.5749
Ti 334.941	3.5643	ppb	0.1686	4.7	1163.95
Tl 190.794	-2.8976	ppb	2.3546	81.3	-7.2798
V 292.401	0.3735	ppb	0.0634	17.0	20.2513
Zn 206.200	47.3080	ppb	1.4350	3.0	96.2480

660-62673-a-2-lPDS (Samp) **9/12/2014, 10:58:43 AM** **Rack 1, Tube 7**

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

Label	Replicates Concentration		
Ag 328.068	29.2777	29.7523	29.5070
Al 308.215	3559.52	3559.25	3547.99
As 188.980	204.857	212.962	205.749
B 249.678	526.275	528.388	530.309
Ba 389.178	297.207	298.095	298.659
Be 313.042	54.2466	54.1768	54.0740
Ca 370.602	6078	6094	6058
Cd 226.502	54.5204	54.0277	54.1080
Co 228.615	215.278	215.613	213.969
Cr 267.716	218.674	218.303	217.506
Cu 324.754	296.871	297.466	296.726
Fe 271.441	6955.44	6947.41	6948.14
K 766.491	2978.91	2981.12	2979.64
Mg 279.078	2810.27	2811.98	2805.04
Mn 257.610	261.556	261.341	260.946
Mo 202.032	214.360	214.593	214.778
Na 330.237	24541.8	24867.3	24604.1
Ni 231.604	217.233	217.332	213.701
Pb 220.353	223.852	225.543	219.564
Sb 206.834	203.888	206.771	201.418
Se 196.026	202.066	199.210	215.924
Sn 189.925	227.608	237.950	232.042
Sr 216.596	255.961	256.784	256.201
Ti 334.941	226.453	225.514	225.222
Tl 190.794	212.012	205.861	198.949
V 292.401	214.457	213.978	214.321
Zn 206.200	402.419	397.921	399.635

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	29.5123	ppb	0.2373	0.8	1408.46
Al 308.215	3555.59	ppb	6.5833	0.2	20587.4
As 188.980	207.856	ppb	4.4443	2.1	92.5589
B 249.678	528.324	ppb	2.0178	0.4	7272.51
Ba 389.178	297.987	ppb	0.7319	0.2	6225.45
Be 313.042	54.1658	ppb	0.0869	0.2	123800
Ca 370.602	6077	ppb	18.04	0.3	22487
Cd 226.502	54.2187	ppb	0.2643	0.5	1598.79
Co 228.615	214.953	ppb	0.8691	0.4	1631.08

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Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Cr 267.716	218.161	ppb	0.5970	0.3	5617.58
Cu 324.754	297.021	ppb	0.3923	0.1	14499.5
Fe 271.441	6950.33	ppb	4.4414	0.1	6080.89
K 766.491	2979.89	ppb	1.1258	0.0	381635
Mg 279.078	2809.10	ppb	3.6137	0.1	5998.23
Mn 257.610	261.281	ppb	0.3094	0.1	36106.4
Mo 202.032	214.577	ppb	0.2094	0.1	1181.91
Na 330.237	24671.1	ppb	172.803	0.7	1496.70
Ni 231.604	216.089	ppb	2.0682	1.0	594.951
Pb 220.353	222.986	ppb	3.0819	1.4	214.485
Sb 206.834	204.025	ppb	2.6794	1.3	172.735
Se 196.026	205.733	ppb	8.9401	4.3	76.4952
Sn 189.925	232.533	ppb	5.1883	2.2	120.048
Sr 216.596	256.315	ppb	0.4233	0.2	1848.54
Ti 334.941	225.730	ppb	0.6434	0.3	79068.4
Tl 190.794	205.607	ppb	6.5353	3.2	104.623
V 292.401	214.252	ppb	0.2467	0.1	6839.68
Zn 206.200	399.992	ppb	2.2703	0.6	806.448

660-62673-a-2-m ms (Samp) **9/12/2014, 11:03:11 AM** **Rack 1, Tube 8**

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

Label	Replicates Concentration		
Ag 328.068	51.6865	52.5915	51.4617
Al 308.215	6508.29	6505.46	6504.13
As 188.980	101.998	99.9754	105.194
B 249.678	201.563	201.973	201.120
Ba 389.178	186.612	187.007	187.174
Be 313.042	50.0155	50.0723	50.0396
Ca 370.602	9136	9147	9141
Cd 226.502	49.9920	49.6409	49.7096
Co 228.615	50.9372	50.4089	50.0375
Cr 267.716	104.391	104.611	104.971
Cu 324.754	181.956	183.022	181.466
Fe 271.441	10010.6	10021.3	10037.2
K 766.491	5758.82	5755.59	5747.43
Mg 279.078	5457.17	5464.39	5451.87
Mn 257.610	552.905	553.184	553.308
Mo 202.032	100.663	100.255	99.8596
Na 330.237	27444.3	27585.0	27588.8
Ni 231.604	101.242	103.868	103.823
Pb 220.353	59.0527	64.1322	60.4217
Sb 206.834	42.8125	43.7313	46.6508
Se 196.026	89.9407	111.818	98.2087
Sn 189.925	210.659	208.805	209.102
Sr 216.596	144.370	142.563	144.285
Ti 334.941	104.014	104.225	103.963
Tl 190.794	38.9312	38.9500	35.2433
V 292.401	100.069	99.5189	100.266
Zn 206.200	294.105	292.089	296.062

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	51.9133	ppb	0.5981	1.2	2492.48
Al 308.215	6505.96	ppb	2.1242	0.0	37315.3

F09122014.wvq. All Data Report 9/15/2014, 10:04:20 AM

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
As 188.980	102.389	ppb	2.6314	2.6	43.5056
B 249.678	201.552	ppb	0.4269	0.2	2788.09
Ba 389.178	186.931	ppb	0.2887	0.2	3912.13
Be 313.042	50.0425	ppb	0.0285	0.1	114117
Ca 370.602	9141	ppb	5.331	0.1	33785
Cd 226.502	49.7808	ppb	0.1861	0.4	1478.08
Co 228.615	50.4612	ppb	0.4521	0.9	374.761
Cr 267.716	104.658	ppb	0.2927	0.3	2698.86
Cu 324.754	182.148	ppb	0.7955	0.4	8966.96
Fe 271.441	10023.0	ppb	13.3862	0.1	8742.73
K 766.491	5753.95	ppb	5.8716	0.1	735198
Mg 279.078	5457.81	ppb	6.2854	0.1	11632.1
Mn 257.610	553.132	ppb	0.2065	0.0	76405.5
Mo 202.032	100.259	ppb	0.4018	0.4	554.462
Na 330.237	27539.4	ppb	82.3824	0.3	1666.41
Ni 231.604	102.978	ppb	1.5036	1.5	285.585
Pb 220.353	61.2022	ppb	2.6281	4.3	58.3686
Sb 206.834	44.3982	ppb	2.0042	4.5	41.8177
Se 196.026	99.9890	ppb	11.0465	11.0	40.2287
Sn 189.925	209.522	ppb	0.9958	0.5	107.715
Sr 216.596	143.739	ppb	1.0195	0.7	1043.16
Ti 334.941	104.068	ppb	0.1387	0.1	36415.0
Tl 190.794	37.7082	ppb	2.1347	5.7	14.0374
V 292.401	99.9515	ppb	0.3874	0.4	3197.40
Zn 206.200	294.085	ppb	1.9866	0.7	593.402

660-62673-a-2-n msd (Samp) **9/12/2014, 11:07:40 AM** **Rack 1, Tube 9**

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

Label	Replicates Concentration		
Ag 328.068	51.7930	51.8736	51.8616
Al 308.215	6434.20	6449.35	6445.84
As 188.980	98.3765	102.269	104.633
B 249.678	197.951	199.276	198.508
Ba 389.178	183.698	182.405	182.758
Be 313.042	50.1465	50.1522	50.1165
Ca 370.602	8995	8997	8977
Cd 226.502	49.9939	49.7437	49.5655
Co 228.615	50.1932	50.7469	49.7628
Cr 267.716	104.749	103.914	104.472
Cu 324.754	178.348	177.378	178.512
Fe 271.441	9723.63	9737.13	9720.22
K 766.491	5770.11	5789.92	5769.75
Mg 279.078	5470.20	5465.25	5461.35
Mn 257.610	552.173	552.677	552.087
Mo 202.032	101.392	101.077	99.6226
Na 330.237	28231.4	28400.9	28149.3
Ni 231.604	102.903	104.321	101.342
Pb 220.353	57.2562	62.1435	54.8709
Sb 206.834	46.4994	47.9076	47.6173
Se 196.026	97.6445	108.160	104.018
Sn 189.925	205.999	214.501	210.435
Sr 216.596	141.629	141.323	140.585
Ti 334.941	105.447	105.131	105.458

Label	Replicates Concentration		
Tl 190.794	33.6060	40.1273	32.6243
V 292.401	99.7800	99.9983	100.173
Zn 206.200	283.054	286.789	283.090

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	51.8427	ppb	0.0435	0.1	2489.09
Al 308.215	6443.13	ppb	7.9291	0.1	36958.9
As 188.980	101.760	ppb	3.1592	3.1	43.2150
B 249.678	198.578	ppb	0.6657	0.3	2747.49
Ba 389.178	182.954	ppb	0.6682	0.4	3828.41
Be 313.042	50.1384	ppb	0.0192	0.0	114342
Ca 370.602	8990	ppb	10.86	0.1	33227
Cd 226.502	49.7677	ppb	0.2153	0.4	1477.01
Co 228.615	50.2343	ppb	0.4933	1.0	373.027
Cr 267.716	104.378	ppb	0.4255	0.4	2691.68
Cu 324.754	178.079	ppb	0.6133	0.3	8771.18
Fe 271.441	9727.00	ppb	8.9445	0.1	8485.20
K 766.491	5776.59	ppb	11.5404	0.2	738085
Mg 279.078	5465.60	ppb	4.4372	0.1	11649.3
Mn 257.610	552.312	ppb	0.3183	0.1	76291.8
Mo 202.032	100.697	ppb	0.9440	0.9	556.888
Na 330.237	28260.5	ppb	128.316	0.5	1708.99
Ni 231.604	102.855	ppb	1.4905	1.4	285.241
Pb 220.353	58.0902	ppb	3.7073	6.4	55.3709
Sb 206.834	47.3414	ppb	0.7435	1.6	44.2450
Se 196.026	103.274	ppb	5.2972	5.1	41.3540
Sn 189.925	210.312	ppb	4.2525	2.0	108.139
Sr 216.596	141.179	ppb	0.5365	0.4	1024.46
Ti 334.941	105.345	ppb	0.1855	0.2	36863.0
Tl 190.794	35.4525	ppb	4.0782	11.5	12.8451
V 292.401	99.9836	ppb	0.1967	0.2	3198.25
Zn 206.200	284.311	ppb	2.1460	0.8	573.703

CRI (Samp) **9/12/2014, 11:12:09 AM** **Rack 1, Tube 10**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Replicates Concentration		
Ag 328.068	10.8286	10.6411	10.4628
Al 308.215	191.462	195.619	194.363
As 188.980	16.5795	14.4910	24.0261
B 249.678	102.259	101.898	102.236
Ba 389.178	9.7008	9.1341	9.7200
Be 313.042	4.0500	4.0170	4.0503
Ca 370.602	501.3	494.5	502.1
Cd 226.502	5.1800	5.1036	5.1491
Co 228.615	10.2408	9.6012	10.4729
Cr 267.716	9.6680	9.9113	9.8179
Cu 324.754	21.3635	21.3730	21.2340
Fe 271.441	46.4785	49.1487	49.6967
K 766.491	1028.46	1024.48	1025.93
Mg 279.078	492.997	491.348	491.648
Mn 257.610	10.4383	10.4145	10.4541
Mo 202.032	9.6348	9.6015	9.9316
Na 330.237	985.484	1019.48	1116.32

Label	Replicates Concentration		
Ni 231.604	41.4540	39.9009	40.3169
Pb 220.353	11.3531	12.0741	16.0708
Sb 206.834	18.0789	21.8490	17.2418
Se 196.026	26.0406	12.9357	26.0372
Sn 189.925	51.4689	53.6993	46.8594
Sr 216.596	9.8615	8.9565	9.6694
Ti 334.941	10.0839	10.0384	10.0273
Tl 190.794	20.0917	22.6853	29.5322
V 292.401	9.6933	9.7979	9.9362
Zn 206.200	19.1075	21.1474	19.9267

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	10.6442	ppb	0.1829	1.7	495.264
Al 308.215	193.815	ppb	2.1324	1.1	1489.18
As 188.980	18.3655	ppb	5.0122	27.3	4.5094
B 249.678	102.131	ppb	0.2022	0.2	1431.23
Ba 389.178	9.5183	ppb	0.3328	3.5	167.989
Be 313.042	4.0391	ppb	0.0192	0.5	6261.57
Ca 370.602	499.3	ppb	4.217	0.8	1852
Cd 226.502	5.1442	ppb	0.0384	0.7	162.929
Co 228.615	10.1049	ppb	0.4514	4.5	66.3103
Cr 267.716	9.7991	ppb	0.1227	1.3	259.273
Cu 324.754	21.3235	ppb	0.0777	0.4	1232.47
Fe 271.441	48.4413	ppb	1.7218	3.6	63.3054
K 766.491	1026.29	ppb	2.0116	0.2	132641
Mg 279.078	491.998	ppb	0.8780	0.2	1078.12
Mn 257.610	10.4356	ppb	0.0199	0.2	1459.83
Mo 202.032	9.7226	ppb	0.1817	1.9	58.5314
Na 330.237	1040.43	ppb	67.8860	6.5	113.437
Ni 231.604	40.5573	ppb	0.8040	2.0	114.457
Pb 220.353	13.1660	ppb	2.5413	19.3	12.4432
Sb 206.834	19.0566	ppb	2.4543	12.9	21.7563
Se 196.026	21.6712	ppb	7.5651	34.9	13.0512
Sn 189.925	50.6759	ppb	3.4882	6.9	22.5760
Sr 216.596	9.4958	ppb	0.4768	5.0	68.2721
Ti 334.941	10.0499	ppb	0.0300	0.3	3438.89
Tl 190.794	24.1031	ppb	4.8773	20.2	7.3200
V 292.401	9.8091	ppb	0.1218	1.2	320.546
Zn 206.200	20.0605	ppb	1.0265	5.1	41.3033

280-59657-b-4-a^20 (Samp) **9/12/2014, 11:16:38 AM** **Rack 1, Tube 11**

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

Label	Replicates Concentration		
Ag 328.068	0.1963	-0.2886u	-0.0619u
Al 308.215	0.2771	0.1704	0.4994
As 188.980	9.5103	-3.9117u	-6.3499u
B 249.678	42.4933	40.6321	40.8619
Ba 389.178	115.431	114.193	111.584
Be 313.042	-0.0402u	-0.0317u	-0.0323u
Ca 370.602	739.4	723.0	707.3
Cd 226.502	0.0784	0.0202	-0.0742u
Co 228.615	0.0499	-0.3515u	-0.0194u
Cr 267.716	-0.4402u	-0.4236u	-0.5251u

Label	Replicates Concentration		
Cu 324.754	0.7104	0.6989	0.1909
Fe 271.441	34.3701	28.3079	29.6820
K 766.491	315.764	308.157	301.484
Mg 279.078	192.959	189.067	184.335
Mn 257.610	1.1861	1.1901	1.1455
Mo 202.032	-0.1251u	-0.1994u	-0.0151u
Na 330.237	74468.4	72682.5	71122.8
Ni 231.604	-0.3647u	0.5244	0.7167
Pb 220.353	4.3653	0.4438	4.1033
Sb 206.834	-2.7775u	-1.4213u	-2.8656u
Se 196.026	12.1454	2.2291	2.1894
Sn 189.925	-0.4730u	-0.3746u	0.4382
Sr 216.596	145.885	143.118	139.726
Ti 334.941	0.1710	0.1690	0.1307
Tl 190.794	-2.1455u	1.2760	-5.2104u
V 292.401	-0.0017u	0.1208	0.1194
Zn 206.200	0.6854	0.3118	2.2501

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.0514	ppb	0.2426	472.3	-22.1406
Al 308.215	0.3156	ppb	0.1678	53.2	390.129
As 188.980	-0.2505	ppb	8.5405	3410.1	-4.1429
B 249.678	41.3291	ppb	1.0147	2.5	597.320
Ba 389.178	113.736	ppb	1.9635	1.7	2348.77
Be 313.042	-0.0347	ppb	0.0047	13.6	-3298.68
Ca 370.602	723.2	ppb	16.07	2.2	2680
Cd 226.502	0.0081	ppb	0.0770	947.6	14.1393
Co 228.615	-0.1070	ppb	0.2146	200.5	-11.6760
Cr 267.716	-0.4630	ppb	0.0544	11.8	-4.0358
Cu 324.754	0.5334	ppb	0.2967	55.6	231.303
Fe 271.441	30.7867	ppb	3.1785	10.3	47.2596
K 766.491	308.468	ppb	7.1452	2.3	41152.2
Mg 279.078	188.787	ppb	4.3189	2.3	432.529
Mn 257.610	1.1739	ppb	0.0247	2.1	179.686
Mo 202.032	-0.1132	ppb	0.0927	81.9	4.5689
Na 330.237	72757.9	ppb	1674.11	2.3	4334.65
Ni 231.604	0.2921	ppb	0.5769	197.5	4.2910
Pb 220.353	2.9708	ppb	2.1924	73.8	2.6237
Sb 206.834	-2.3548	ppb	0.8096	34.4	4.1353
Se 196.026	5.5213	ppb	5.7366	103.9	7.4975
Sn 189.925	-0.1365	ppb	0.5001	366.5	-4.6430
Sr 216.596	142.910	ppb	3.0851	2.2	1033.16
Ti 334.941	0.1569	ppb	0.0227	14.5	-36.5915
Tl 190.794	-2.0266	ppb	3.2448	160.1	-6.7286
V 292.401	0.0795	ppb	0.0703	88.5	9.8910
Zn 206.200	1.0824	ppb	1.0283	95.0	3.0900

280-59657-b-4-aSD (Samp) **9/12/2014, 11:21:07 AM** **Rack 1, Tube 12**

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

Label	Replicates Concentration		
Ag 328.068	0.1635	0.6621	0.5021
Al 308.215	-4.2168u	-4.5391u	-4.8978u
As 188.980	-0.6060u	2.1409	-2.7789u

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Label	Replicates Concentration		
B 249.678	9.0148	9.6431	8.6407
Ba 389.178	20.1072	20.9730	20.8254
Be 313.042	-0.0121u	-0.0210u	-0.0051u
Ca 370.602	133.1	131.4	124.9
Cd 226.502	-0.2902u	0.2676	0.1735
Co 228.615	0.0194	-0.4238u	0.8513
Cr 267.716	-0.1366u	-0.2790u	-0.3621u
Cu 324.754	0.2858	0.4804	0.5778
Fe 271.441	13.1799	6.2082	13.6226
K 766.491	50.0919	50.2726	49.9021
Mg 279.078	33.7550	33.6623	28.9338
Mn 257.610	0.1669	0.1537	0.0948
Mo 202.032	-0.5071u	-0.6729u	0.3081
Na 330.237	12716.1	12190.6	12279.2
Ni 231.604	0.7078	0.5977	-0.0942u
Pb 220.353	-2.8241u	0.1745	0.8947
Sb 206.834	3.2665	0.7366	-0.3007u
Se 196.026	-1.8808u	3.9236	13.1228
Sn 189.925	-4.2623u	-4.5936u	-1.6133u
Sr 216.596	24.6531	24.9304	25.9367
Ti 334.941	0.1162	0.1193	0.0701
Tl 190.794	-0.3079u	-0.3662u	-2.4614u
V 292.401	0.0141	0.1017	0.0920
Zn 206.200	0.0182	-0.0579u	1.6858

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	0.4425	ppb	0.2546	57.5	1.7526
Al 308.215	-4.5512	ppb	0.3407	7.5	362.503
As 188.980	-0.4147	ppb	2.4655	594.5	-4.2191
B 249.678	9.0996	ppb	0.5065	5.6	155.473
Ba 389.178	20.6352	ppb	0.4632	2.2	399.430
Be 313.042	-0.0127	ppb	0.0080	62.6	-3239.75
Ca 370.602	129.8	ppb	4.327	3.3	479.8
Cd 226.502	0.0503	ppb	0.2987	593.6	15.5134
Co 228.615	0.1489	ppb	0.6473	434.7	-9.7187
Cr 267.716	-0.2592	ppb	0.1140	44.0	0.7110
Cu 324.754	0.4480	ppb	0.1487	33.2	227.755
Fe 271.441	11.0036	ppb	4.1588	37.8	30.0594
K 766.491	50.0889	ppb	0.1853	0.4	8220.82
Mg 279.078	32.1170	ppb	2.7571	8.6	98.9846
Mn 257.610	0.1385	ppb	0.0384	27.7	36.0062
Mo 202.032	-0.2906	ppb	0.5251	180.7	3.5975
Na 330.237	12395.3	ppb	281.311	2.3	781.971
Ni 231.604	0.4038	ppb	0.4348	107.7	4.5954
Pb 220.353	-0.5850	ppb	1.9723	337.2	-0.8061
Sb 206.834	1.2341	ppb	1.8349	148.7	7.1098
Se 196.026	5.0552	ppb	7.5655	149.7	7.3337
Sn 189.925	-3.4897	ppb	1.6335	46.8	-6.4520
Sr 216.596	25.1734	ppb	0.6754	2.7	182.766
Ti 334.941	0.1018	ppb	0.0276	27.1	-51.1802
Tl 190.794	-1.0452	ppb	1.2268	117.4	-6.1994
V 292.401	0.0692	ppb	0.0480	69.3	10.0640
Zn 206.200	0.5487	ppb	0.9855	179.6	2.0136

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Cont Calib Verif (CCV) **9/12/2014, 11:25:35 AM** **Rack 1, Tube 13**

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

Label	Replicates Concentration		
Ag 328.068	489.186	487.435	490.694
Al 308.215	4838.99	4829.44	4838.72
As 188.980	476.216	474.354	473.099
B 249.678	496.151	495.540	498.292
Ba 389.178	4842.68	4835.91	4846.36
Be 313.042	487.286	486.664	485.658
Ca 370.602	4816	4806	4817
Cd 226.502	485.443	484.690	484.649
Co 228.615	484.974	483.969	483.493
Cr 267.716	4845.13	4836.78	4843.03
Cu 324.754	4956.70	4956.68	4988.58
Fe 271.441	4907.70	4908.95	4908.83
K 766.491	9935.48	9926.96	9918.66
Mg 279.078	4819.95	4813.87	4820.63
Mn 257.610	4924.63	4926.63	4920.96
Mo 202.032	483.703	485.023	487.443
Na 330.237	7107.85	7099.11	7246.30
Ni 231.604	2441.56	2435.88	2445.15
Pb 220.353	491.361	484.985	495.104
Sb 206.834	951.484	942.709	954.542
Se 196.026	4964.37	4948.41	4929.32
Sn 189.925	4803.42	4808.75	4814.31
Sr 216.596	2402.28	2399.34	2402.86
Ti 334.941	481.095	480.566	480.773
Tl 190.794	4905.60	4895.73	4899.57
V 292.401	4848.74	4843.19	4846.18
Zn 206.200	2407.55	2401.05	2395.67

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Ag 328.068	489.105	ppb	1.6309	0.3	23667.4	97.82102
Al 308.215	4835.72	ppb	5.4386	0.1	28102.5	96.71433
As 188.980	474.556	ppb	1.5684	0.3	216.561	94.91127
B 249.678	496.661	ppb	1.4449	0.3	6849.83	99.33218
Ba 389.178	4841.65	ppb	5.3009	0.1	101349	96.83305
Be 313.042	486.536	ppb	0.8213	0.2	1138722	97.30721
Ca 370.602	4813	ppb	5.923	0.1	17884	96.25866
Cd 226.502	484.927	ppb	0.4469	0.1	14044.4	96.98549
Co 228.615	484.146	ppb	0.7562	0.2	3686.40	96.82912
Cr 267.716	4841.65	ppb	4.3400	0.1	124511	96.83292
Cu 324.754	4967.32	ppb	18.4130	0.4	239320	99.34647
Fe 271.441	4908.49	ppb	0.6890	0.0	4338.30	98.16981
K 766.491	9927.03	ppb	8.4138	0.1	1267073	99.27032
Mg 279.078	4818.15	ppb	3.7232	0.1	10280.2	96.36303
Mn 257.610	4924.07	ppb	2.8749	0.1	679615	98.48145
Mo 202.032	485.390	ppb	1.8967	0.4	2665.98	97.07800
Na 330.237	7151.09	ppb	82.5708	1.2	456.525	95.34785
Ni 231.604	2440.86	ppb	4.6748	0.2	6681.85	97.63455
Pb 220.353	490.484	ppb	5.1166	1.0	474.366	98.09670
Sb 206.834	949.578	ppb	6.1424	0.6	813.596	94.95784
Se 196.026	4947.37	ppb	17.5470	0.4	1707.54	98.94737
Sn 189.925	4808.83	ppb	5.4472	0.1	2572.73	96.17654
Sr 216.596	2401.49	ppb	1.8882	0.1	17264.3	96.05972

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Ti 334.941	480.811	ppb	0.2663	0.1	168515	96.16224
Tl 190.794	4900.30	ppb	4.9743	0.1	2630.89	98.00597
V 292.401	4846.04	ppb	2.7762	0.1	155474	96.92075
Zn 206.200	2401.42	ppb	5.9526	0.2	4827.90	96.05691

Cont Calib Blank (CCB) **9/12/2014, 11:30:01 AM** **Rack 1, Tube 14**

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

Label	Replicates Concentration		
Ag 328.068	-0.2408u	0.1890	0.6446
Al 308.215	-6.2393u	-6.0638u	-5.2895u
As 188.980	4.6720	3.7462	-1.5981u
B 249.678	6.8980	5.0228	4.6867
Ba 389.178	0.4823	1.1210	0.1716
Be 313.042	0.0346	0.0293	0.0221
Ca 370.602	3.605	4.376	5.554
Cd 226.502	0.1623	-0.0404u	0.1859
Co 228.615	0.2527	0.7324	-0.0233u
Cr 267.716	0.1742	0.2607	0.3864
Cu 324.754	0.6311	0.5616	0.6304
Fe 271.441	-12.1024u	6.2871	-2.0454u
K 766.491	-0.3864u	-0.6417u	-0.7156u
Mg 279.078	-2.5499u	-1.8540u	0.5117
Mn 257.610	0.3668	0.2231	0.2607
Mo 202.032	1.3133	1.0660	0.7855
Na 330.237	178.098	87.9445	134.839
Ni 231.604	0.4037	1.5027	-0.2778u
Pb 220.353	6.3806	-2.9467u	-2.4222u
Sb 206.834	3.5714	0.6801	1.3514
Se 196.026	-0.0075u	7.0623	2.4002
Sn 189.925	-4.2885u	-0.1977u	1.0270
Sr 216.596	-0.8337u	0.8005	-0.9406u
Ti 334.941	0.2075	0.1975	0.1869
Tl 190.794	5.2368	3.2180	5.2508
V 292.401	0.5070	0.6060	0.4928
Zn 206.200	-0.1836u	0.8199	1.2161

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Ag 328.068	0.1976	ppb	0.4427	224.1	-10.0931	0.19760
Al 308.215	-5.8642	ppb	0.5054	8.6	355.162	-5.86423
As 188.980	2.2734	ppb	3.3846	148.9	-2.9697	2.27338
B 249.678	5.5358	ppb	1.1916	21.5	106.634	5.53583
Ba 389.178	0.5917	ppb	0.4840	81.8	-20.2340	0.59168
Be 313.042	0.0286	ppb	0.0063	21.9	-3141.36	0.02863
Ca 370.602	4.512	ppb	0.9814	21.8	15.26	4.51166
Cd 226.502	0.1026	ppb	0.1244	121.2	17.0564	0.10264
Co 228.615	0.3206	ppb	0.3824	119.3	-8.4311	0.32061
Cr 267.716	0.2738	ppb	0.1067	39.0	14.3172	0.27377
Cu 324.754	0.6077	ppb	0.0399	6.6	235.581	0.60767
Fe 271.441	-2.6202	ppb	9.2082	351.4	18.2057	-2.62022
K 766.491	-0.5812	ppb	0.1727	29.7	1762.74	-0.58122
Mg 279.078	-1.2974	ppb	1.6049	123.7	27.8470	-1.29738
Mn 257.610	0.2835	ppb	0.0745	26.3	55.8558	0.28352
Mo 202.032	1.0549	ppb	0.2641	25.0	10.9808	1.05495

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Na 330.237	133.627	ppb	45.0890	33.7	60.3024	133.62709
Ni 231.604	0.5429	ppb	0.8984	165.5	4.9758	0.54287
Pb 220.353	0.3372	ppb	5.2403	1553.9	0.0830	0.33724
Sb 206.834	1.8676	ppb	1.5132	81.0	7.6158	1.86764
Se 196.026	3.1517	ppb	3.5943	114.0	6.6785	3.15166
Sn 189.925	-1.1531	ppb	2.7836	241.4	-5.2021	-1.15305
Sr 216.596	-0.3246	ppb	0.9758	300.6	-1.4137	-0.32459
Ti 334.941	0.1973	ppb	0.0103	5.2	-16.7616	0.19727
Tl 190.794	4.5685	ppb	1.1696	25.6	-3.1834	4.56853
V 292.401	0.5352	ppb	0.0617	11.5	24.7893	0.53524
Zn 206.200	0.6175	ppb	0.7214	116.8	2.1506	0.61747

280-59657-b-4-b ms (Samp) **9/12/2014, 11:34:28 AM** **Rack 1, Tube 15**

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

Label	Replicates Concentration		
Ag 328.068	3.1282	3.6430	3.5144
Al 308.215	322.163	312.047	305.019
As 188.980	8.0494	4.0820	0.6866
B 249.678	53.2635	52.6956	51.6159
Ba 389.178	118.022	115.228	113.335
Be 313.042	3.2262	3.1397	3.0512
Ca 370.602	1034	999.4	965.3
Cd 226.502	3.0524	3.2493	3.1928
Co 228.615	3.0432	2.9372	2.8497
Cr 267.716	6.0418	6.0705	6.0543
Cu 324.754	7.7030	7.2632	7.0843
Fe 271.441	359.617	350.549	344.647
K 766.491	666.875	649.143	626.539
Mg 279.078	504.857	485.157	477.236
Mn 257.610	34.2177	33.2982	32.4020
Mo 202.032	6.6096	6.5284	6.3181
Na 330.237	73206.8	70701.9	69070.0
Ni 231.604	7.9484	6.1450	5.6255
Pb 220.353	3.7973	5.3426	6.2391
Sb 206.834	4.8760	-3.3055u	3.4980
Se 196.026	9.8922	16.3011	8.2275
Sn 189.925	9.9995	11.2155	10.4497
Sr 216.596	148.098	142.530	140.091
Ti 334.941	6.5653	6.4775	6.2357
Tl 190.794	5.6348	-1.2379u	7.8689
V 292.401	6.7434	6.2926	6.3574
Zn 206.200	7.8729	7.8424	6.4600

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	3.4285	ppb	0.2679	7.8	146.274
Al 308.215	313.077	ppb	8.6183	2.8	2165.51
As 188.980	4.2727	ppb	3.6851	86.2	-2.0418
B 249.678	52.5250	ppb	0.8369	1.6	750.653
Ba 389.178	115.528	ppb	2.3575	2.0	2387.61
Be 313.042	3.1390	ppb	0.0875	2.8	4142.65
Ca 370.602	999.5	ppb	34.19	3.4	3702
Cd 226.502	3.1648	ppb	0.1014	3.2	106.188
Co 228.615	2.9434	ppb	0.0969	3.3	11.6115

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Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Cr 267.716	6.0555	ppb	0.0144	0.2	163.573
Cu 324.754	7.3502	ppb	0.3184	4.3	559.199
Fe 271.441	351.605	ppb	7.5409	2.1	326.531
K 766.491	647.519	ppb	20.2167	3.1	84365.4
Mg 279.078	489.083	ppb	14.2229	2.9	1071.33
Mn 257.610	33.3060	ppb	0.9079	2.7	4616.54
Mo 202.032	6.4854	ppb	0.1504	2.3	40.7467
Na 330.237	70992.9	ppb	2083.70	2.9	4230.51
Ni 231.604	6.5730	ppb	1.2192	18.5	21.4862
Pb 220.353	5.1263	ppb	1.2352	24.1	4.6830
Sb 206.834	1.6895	ppb	4.3803	259.3	7.4140
Se 196.026	11.4736	ppb	4.2628	37.2	9.5541
Sn 189.925	10.5549	ppb	0.6148	5.8	1.0867
Sr 216.596	143.573	ppb	4.1039	2.9	1037.94
Ti 334.941	6.4262	ppb	0.1707	2.7	2162.52
Tl 190.794	4.0886	ppb	4.7462	116.1	-3.4579
V 292.401	6.4645	ppb	0.2437	3.8	213.501
Zn 206.200	7.3918	ppb	0.8071	10.9	15.7934

280-59657-b-4-c msd (Samp) **9/12/2014, 11:38:54 AM** **Rack 1, Tube 16**

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

Label	Replicates Concentration		
Ag 328.068	4.0692	3.6908	3.6604
Al 308.215	336.195	331.180	315.488
As 188.980	9.6127	13.3761	11.9506
B 249.678	54.5886	54.0793	52.4576
Ba 389.178	124.119	122.374	116.695
Be 313.042	3.3667	3.2655	3.1738
Ca 370.602	1071	1050	1007
Cd 226.502	3.7039	3.3827	3.3352
Co 228.615	3.9408	3.1312	3.2689
Cr 267.716	6.3332	6.2358	6.0244
Cu 324.754	7.6904	7.6215	7.4144
Fe 271.441	373.133	366.220	344.092
K 766.491	699.244	681.512	655.651
Mg 279.078	528.554	512.792	500.016
Mn 257.610	35.7422	34.8974	33.6107
Mo 202.032	7.1800	6.3897	6.6599
Na 330.237	75798.5	74251.2	72305.8
Ni 231.604	6.1182	7.0132	6.7221
Pb 220.353	4.4085	4.2214	5.2128
Sb 206.834	4.0569	2.5241	4.4661
Se 196.026	9.9153	-0.6036u	8.9267
Sn 189.925	6.5970	13.7782	13.9658
Sr 216.596	154.630	149.664	146.081
Ti 334.941	6.8945	6.7613	6.4711
Tl 190.794	2.2856	0.9933	4.6086
V 292.401	6.7762	6.5345	6.2207
Zn 206.200	7.9187	7.2124	7.4476

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	3.8068	ppb	0.2278	6.0	164.575
Al 308.215	327.621	ppb	10.8028	3.3	2248.05

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
As 188.980	11.6465	ppb	1.9001	16.3	1.3845
B 249.678	53.7085	ppb	1.1128	2.1	766.882
Ba 389.178	121.063	ppb	3.8820	3.2	2503.56
Be 313.042	3.2687	ppb	0.0965	3.0	4446.19
Ca 370.602	1043	ppb	32.62	3.1	3863
Cd 226.502	3.4739	ppb	0.2006	5.8	115.157
Co 228.615	3.4470	ppb	0.4332	12.6	15.4597
Cr 267.716	6.1978	ppb	0.1579	2.5	167.258
Cu 324.754	7.5754	ppb	0.1436	1.9	570.004
Fe 271.441	361.148	ppb	15.1703	4.2	334.858
K 766.491	678.802	ppb	21.9225	3.2	88352.6
Mg 279.078	513.787	ppb	14.2954	2.8	1123.90
Mn 257.610	34.7501	ppb	1.0733	3.1	4816.01
Mo 202.032	6.7432	ppb	0.4017	6.0	42.1599
Na 330.237	74118.5	ppb	1750.13	2.4	4414.46
Ni 231.604	6.6178	ppb	0.4566	6.9	21.6097
Pb 220.353	4.6142	ppb	0.5268	11.4	4.1878
Sb 206.834	3.6824	ppb	1.0237	27.8	9.0599
Se 196.026	6.0795	ppb	5.8088	95.5	7.7000
Sn 189.925	11.4470	ppb	4.2012	36.7	1.5654
Sr 216.596	150.125	ppb	4.2933	2.9	1085.27
Ti 334.941	6.7090	ppb	0.2165	3.2	2261.49
Tl 190.794	2.6292	ppb	1.8319	69.7	-4.2428
V 292.401	6.5105	ppb	0.2785	4.3	214.902
Zn 206.200	7.5262	ppb	0.3596	4.8	16.0644

280-59657-b-5-a^20 (Samp) **9/12/2014, 11:43:21 AM** **Rack 1, Tube 17**

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

Label	Replicates Concentration		
Ag 328.068	-0.1676u	0.1788	0.0960
Al 308.215	-0.1217u	0.4866	-0.8501u
As 188.980	-0.9853u	-0.2715u	1.6457
B 249.678	8.6956	8.9897	9.1688
Ba 389.178	35.8983	35.3680	34.0026
Be 313.042	-0.0221u	-0.0204u	-0.0313u
Ca 370.602	169.9	164.0	155.9
Cd 226.502	0.1766	0.2764	0.2264
Co 228.615	0.9549	-0.1999u	0.7020
Cr 267.716	1.4833	0.7877	1.1472
Cu 324.754	0.8617	0.2773	0.8199
Fe 271.441	109.214	107.398	105.210
K 766.491	161.974	155.691	151.130
Mg 279.078	45.7671	37.7519	40.4867
Mn 257.610	1.9908	1.9525	1.8529
Mo 202.032	-0.5387u	-0.0238u	-0.0102u
Na 330.237	30094.3	29194.9	28475.4
Ni 231.604	0.2890	0.5293	0.2876
Pb 220.353	2.6449	0.8711	0.1550
Sb 206.834	-1.5291u	-0.0552u	-2.2781u
Se 196.026	1.9240	-3.1180u	10.7197
Sn 189.925	3.4354	-0.9023u	3.2398
Sr 216.596	25.2031	23.9911	23.8208
Ti 334.941	0.2278	0.2016	0.1970

Label	Replicates Concentration		
Tl 190.794	-1.4816u	-2.5995u	-5.8389u
V 292.401	0.1279	0.0273	0.0376
Zn 206.200	0.0035	-0.3806u	1.0352

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	0.0357	ppb	0.1809	506.4	-17.9287
Al 308.215	-0.1617	ppb	0.6692	413.8	387.415
As 188.980	0.1296	ppb	1.3606	1049.6	-3.9668
B 249.678	8.9514	ppb	0.2389	2.7	153.332
Ba 389.178	35.0896	ppb	0.9780	2.8	702.207
Be 313.042	-0.0246	ppb	0.0058	23.7	-3269.70
Ca 370.602	163.3	ppb	7.052	4.3	602.5
Cd 226.502	0.2265	ppb	0.0499	22.0	20.7935
Co 228.615	0.4857	ppb	0.6070	125.0	-7.1418
Cr 267.716	1.1394	ppb	0.3479	30.5	36.8259
Cu 324.754	0.6529	ppb	0.3260	49.9	237.593
Fe 271.441	107.274	ppb	2.0052	1.9	113.778
K 766.491	156.265	ppb	5.4445	3.5	21753.3
Mg 279.078	41.3352	ppb	4.0744	9.9	118.415
Mn 257.610	1.9321	ppb	0.0711	3.7	283.756
Mo 202.032	-0.1909	ppb	0.3013	157.8	4.1366
Na 330.237	29254.9	ppb	811.105	2.8	1774.21
Ni 231.604	0.3687	ppb	0.1392	37.7	4.5028
Pb 220.353	1.2237	ppb	1.2818	104.8	0.9382
Sb 206.834	-1.2874	ppb	1.1310	87.8	5.0292
Se 196.026	3.1752	ppb	7.0032	220.6	6.6890
Sn 189.925	1.9243	ppb	2.4499	127.3	-3.5471
Sr 216.596	24.3383	ppb	0.7537	3.1	176.807
Ti 334.941	0.2088	ppb	0.0166	8.0	-15.0322
Tl 190.794	-3.3067	ppb	2.2631	68.4	-7.4212
V 292.401	0.0642	ppb	0.0554	86.2	9.6960
Zn 206.200	0.2194	ppb	0.7322	333.8	1.3491

280-59657-b-6-a^20 (Samp) **9/12/2014, 11:47:49 AM** **Rack 1, Tube 18**

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

Label	Replicates Concentration		
Ag 328.068	-0.3329u	0.0876	0.0193
Al 308.215	-3.4106u	-3.1563u	-2.4198u
As 188.980	-5.4602u	1.3944	0.9815
B 249.678	11.0935	10.6560	11.0092
Ba 389.178	30.3060	29.4440	27.9093
Be 313.042	-0.0249u	-0.0400u	-0.0344u
Ca 370.602	192.4	187.2	188.5
Cd 226.502	0.1299	0.0203	-0.0012
Co 228.615	0.0177	0.1625	-0.3162u
Cr 267.716	0.1612	-0.1584u	0.1524
Cu 324.754	0.6562	0.9475	0.3670
Fe 271.441	81.9747	73.5709	75.6182
K 766.491	151.401	148.172	144.714
Mg 279.078	36.7489	35.1211	37.4575
Mn 257.610	1.1251	1.1307	1.1065
Mo 202.032	0.1588	0.2725	0.2250
Na 330.237	28722.7	27986.6	27408.7

Label	Replicates Concentration		
Ni 231.604	0.6093	0.2332	0.1717
Pb 220.353	1.5756	1.5982	3.6470
Sb 206.834	0.2219	-4.9890u	-0.9061u
Se 196.026	3.1054	5.5735	7.6458
Sn 189.925	-1.9442u	-2.1581u	-2.8897u
Sr 216.596	27.0406	25.8663	26.0767
Ti 334.941	0.0678	0.0917	0.1543
Tl 190.794	-0.5716u	-0.5512u	-0.7443u
V 292.401	-0.1161u	0.1041	0.1763
Zn 206.200	-0.8340u	-0.3921u	-0.5122u

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.0753	ppb	0.2256	299.4	-23.3022
Al 308.215	-2.9956	ppb	0.5146	17.2	371.359
As 188.980	-1.0281	ppb	3.8439	373.9	-4.5045
B 249.678	10.9195	ppb	0.2321	2.1	180.350
Ba 389.178	29.2197	ppb	1.2140	4.2	579.270
Be 313.042	-0.0331	ppb	0.0076	23.1	-3289.51
Ca 370.602	189.4	ppb	2.683	1.4	699.7
Cd 226.502	0.0497	ppb	0.0703	141.6	15.6164
Co 228.615	-0.0453	ppb	0.2455	541.5	-11.2093
Cr 267.716	0.0517	ppb	0.1821	352.0	8.8368
Cu 324.754	0.6569	ppb	0.2903	44.2	237.769
Fe 271.441	77.0546	ppb	4.3822	5.7	87.5010
K 766.491	148.096	ppb	3.3444	2.3	20712.1
Mg 279.078	36.4425	ppb	1.1980	3.3	108.054
Mn 257.610	1.1207	ppb	0.0127	1.1	171.699
Mo 202.032	0.2188	ppb	0.0571	26.1	6.3869
Na 330.237	28039.3	ppb	658.605	2.3	1702.68
Ni 231.604	0.3381	ppb	0.2369	70.1	4.4181
Pb 220.353	2.2736	ppb	1.1894	52.3	1.9507
Sb 206.834	-1.8910	ppb	2.7415	145.0	4.5168
Se 196.026	5.4416	ppb	2.2731	41.8	7.4679
Sn 189.925	-2.3307	ppb	0.4958	21.3	-5.8278
Sr 216.596	26.3278	ppb	0.6262	2.4	191.165
Ti 334.941	0.1046	ppb	0.0447	42.7	-51.4858
Tl 190.794	-0.6224	ppb	0.1061	17.0	-5.9774
V 292.401	0.0548	ppb	0.1523	278.2	9.3654
Zn 206.200	-0.5794	ppb	0.2285	39.4	-0.2584

280-59657-b-7-a^20 (Samp) **9/12/2014, 11:52:16 AM** **Rack 1, Tube 19**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Replicates Concentration		
Ag 328.068	-0.4028u	0.0034	0.0979
Al 308.215	20.9545	18.6628	20.5337
As 188.980	2.4875	5.3949	-1.1312u
B 249.678	19.2839	18.4334	18.4629
Ba 389.178	32.5150	31.8183	31.5422
Be 313.042	-0.0329u	-0.0207u	-0.0196u
Ca 370.602	218.2	212.8	211.4
Cd 226.502	0.2397	0.2335	0.0395
Co 228.615	0.1730	1.0277	0.5753
Cr 267.716	-0.3379u	-0.0510u	-0.0773u

Label	Replicates Concentration		
Cu 324.754	0.6953	0.5076	0.9023
Fe 271.441	28.0443	25.0530	35.4104
K 766.491	168.195	165.891	164.561
Mg 279.078	49.9009	50.2874	53.1322
Mn 257.610	1.1425	1.0586	1.0712
Mo 202.032	-0.2655u	-0.4488u	-0.0657u
Na 330.237	34711.1	34084.4	33671.0
Ni 231.604	1.7777	0.8206	-0.8327u
Pb 220.353	1.6381	2.8858	0.9518
Sb 206.834	-1.9452u	1.7823	-9.1399u
Se 196.026	-3.6796u	-7.0601u	2.3971
Sn 189.925	-5.1612u	2.2650	-3.7826u
Sr 216.596	35.6056	35.4617	34.2394
Ti 334.941	0.3470	0.3234	0.3002
Tl 190.794	-4.2219u	-1.1514u	2.2285
V 292.401	0.2314	0.1762	-0.2479u
Zn 206.200	-0.6516u	0.0576	0.9083

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.1005	ppb	0.2660	264.7	-24.5149
Al 308.215	20.0504	ppb	1.2199	6.1	502.095
As 188.980	2.2504	ppb	3.2695	145.3	-2.9809
B 249.678	18.7267	ppb	0.4828	2.6	287.401
Ba 389.178	31.9585	ppb	0.5013	1.6	636.549
Be 313.042	-0.0244	ppb	0.0074	30.1	-3269.80
Ca 370.602	214.1	ppb	3.617	1.7	792.3
Cd 226.502	0.1709	ppb	0.1138	66.6	18.9749
Co 228.615	0.5920	ppb	0.4276	72.2	-6.3291
Cr 267.716	-0.1554	ppb	0.1586	102.1	3.5592
Cu 324.754	0.7018	ppb	0.1974	28.1	239.890
Fe 271.441	29.5026	ppb	5.3304	18.1	46.1420
K 766.491	166.216	ppb	1.8388	1.1	23021.6
Mg 279.078	51.1069	ppb	1.7646	3.5	139.375
Mn 257.610	1.0908	ppb	0.0453	4.2	167.523
Mo 202.032	-0.2600	ppb	0.1916	73.7	3.7638
Na 330.237	34155.5	ppb	523.697	1.5	2062.67
Ni 231.604	0.5885	ppb	1.3205	224.4	5.1018
Pb 220.353	1.8252	ppb	0.9805	53.7	1.5180
Sb 206.834	-3.1009	ppb	5.5520	179.0	3.5224
Se 196.026	-2.7809	ppb	4.7922	172.3	4.6401
Sn 189.925	-2.2262	ppb	3.9501	177.4	-5.7706
Sr 216.596	35.1022	ppb	0.7507	2.1	254.498
Ti 334.941	0.3235	ppb	0.0234	7.2	24.7877
Tl 190.794	-1.0483	ppb	3.2264	307.8	-6.2027
V 292.401	0.0532	ppb	0.2622	492.5	9.3841
Zn 206.200	0.1048	ppb	0.7811	745.4	1.1196

280-59657-b-8-a^20 (Samp) **9/12/2014, 11:56:44 AM** **Rack 1, Tube 20**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Replicates Concentration		
Ag 328.068	-0.1471u	0.3844	0.3297
Al 308.215	-2.2022u	-0.7640u	-2.1954u
As 188.980	0.5587	4.1509	-2.0001u

F09122014.wvq. All Data Report 9/15/2014, 10:04:20 AM

Label	Replicates Concentration		
B 249.678	31.1383	30.4013	30.2308
Ba 389.178	38.2331	36.6913	36.1322
Be 313.042	-0.0163u	-0.0254u	-0.0311u
Ca 370.602	346.1	337.8	338.2
Cd 226.502	0.3078	0.1972	0.0486
Co 228.615	0.2737	0.1394	0.0230
Cr 267.716	0.1853	-0.2032u	0.1277
Cu 324.754	0.6484	0.4392	0.7023
Fe 271.441	47.9592	50.9630	50.8193
K 766.491	333.769	328.269	323.083
Mg 279.078	74.9671	72.2947	75.3981
Mn 257.610	1.0255	1.0090	0.9646
Mo 202.032	-0.1663u	0.8079	0.3085
Na 330.237	40621.2	39892.7	39332.6
Ni 231.604	0.5547	1.1226	0.6475
Pb 220.353	-1.5582u	0.8376	0.0797
Sb 206.834	3.0191	-2.8161u	3.2732
Se 196.026	6.3757	-0.5471u	2.2443
Sn 189.925	2.9164	-3.5659u	-0.6198u
Sr 216.596	50.2470	49.5220	48.5992
Ti 334.941	0.0908	0.1034	0.1016
Tl 190.794	-5.6735u	-5.1060u	-6.9337u
V 292.401	0.1067	-0.1578u	0.0529
Zn 206.200	3.2792	3.6722	3.7466

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	0.1890	ppb	0.2923	154.7	-10.5132
Al 308.215	-1.7205	ppb	0.8284	48.1	378.595
As 188.980	0.9032	ppb	3.0900	342.1	-3.6069
B 249.678	30.5901	ppb	0.4824	1.6	450.076
Ba 389.178	37.0189	ppb	1.0881	2.9	742.579
Be 313.042	-0.0243	ppb	0.0075	30.8	-3270.25
Ca 370.602	340.7	ppb	4.683	1.4	1261
Cd 226.502	0.1845	ppb	0.1300	70.5	19.4052
Co 228.615	0.1454	ppb	0.1254	86.3	-9.7550
Cr 267.716	0.0366	ppb	0.2097	572.6	8.5464
Cu 324.754	0.5967	ppb	0.1390	23.3	234.726
Fe 271.441	49.9138	ppb	1.6943	3.4	63.8808
K 766.491	328.374	ppb	5.3438	1.6	43689.2
Mg 279.078	74.2200	ppb	1.6812	2.3	188.545
Mn 257.610	0.9997	ppb	0.0315	3.2	155.117
Mo 202.032	0.3167	ppb	0.4871	153.8	6.9262
Na 330.237	39948.8	ppb	646.128	1.6	2403.63
Ni 231.604	0.7749	ppb	0.3047	39.3	5.6124
Pb 220.353	-0.2136	ppb	1.2246	573.2	-0.4486
Sb 206.834	1.1587	ppb	3.4447	297.3	7.0399
Se 196.026	2.6909	ppb	3.4829	129.4	6.5225
Sn 189.925	-0.4231	ppb	3.2456	767.1	-4.8031
Sr 216.596	49.4561	ppb	0.8259	1.7	358.185
Ti 334.941	0.0986	ppb	0.0068	6.9	-54.5000
Tl 190.794	-5.9044	ppb	0.9355	15.8	-8.8134
V 292.401	0.0006	ppb	0.1398	24563.0	7.4915
Zn 206.200	3.5660	ppb	0.2511	7.0	8.0931

F09122014.wvq. All Data Report 9/15/2014, 10:04:20 AM

280-59657-b-9-a^20 (Samp) **9/12/2014, 12:01:12 PM** **Rack 1, Tube 21**

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

Label	Replicates Concentration		
Ag 328.068	0.1141	0.2248	-0.1050u
Al 308.215	-6.6823u	-3.6885u	-2.8201u
As 188.980	-1.5505u	0.7202	4.2121
B 249.678	4.2318	4.0182	3.7419
Ba 389.178	42.9618	41.2190	40.9022
Be 313.042	-0.0181u	-0.0195u	-0.0329u
Ca 370.602	117.9	114.3	107.5
Cd 226.502	0.2215	0.0024u	-0.0438u
Co 228.615	0.1780	0.2787	0.6371
Cr 267.716	0.0349	-0.2447u	-0.3594u
Cu 324.754	0.5901	0.5768	0.7156
Fe 271.441	15.7961	8.2389	9.0186
K 766.491	152.114	148.061	144.223
Mg 279.078	34.6799	36.2906	33.1906
Mn 257.610	0.2931	0.3003	0.2557
Mo 202.032	0.5860	-0.0654u	-0.3889u
Na 330.237	29264.8	28403.7	27618.7
Ni 231.604	-0.5448u	-0.3004u	0.3741
Pb 220.353	0.0250	-2.1026u	-0.7037u
Sb 206.834	-0.5267u	0.8411	2.1538
Se 196.026	5.0756	3.7661	8.0970
Sn 189.925	-5.1280u	0.1933	1.9060
Sr 216.596	21.6168	20.0079	20.3612
Ti 334.941	0.0533	0.1205	0.0428
Tl 190.794	-1.4957u	2.9554	1.3888
V 292.401	0.0755	0.0729	0.0500
Zn 206.200	1.9799	0.2930	-0.1511u

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	0.0780	ppb	0.1678	215.2	-15.8811
Al 308.215	-4.3970	ppb	2.0262	46.1	363.395
As 188.980	1.1273	ppb	2.9028	257.5	-3.5026
B 249.678	3.9973	ppb	0.2456	6.1	85.5015
Ba 389.178	41.6943	ppb	1.1090	2.7	840.275
Be 313.042	-0.0235	ppb	0.0082	34.8	-3267.03
Ca 370.602	113.3	ppb	5.289	4.7	418.4
Cd 226.502	0.0600	ppb	0.1418	236.1	15.7404
Co 228.615	0.3646	ppb	0.2413	66.2	-8.0769
Cr 267.716	-0.1898	ppb	0.2028	106.9	2.6285
Cu 324.754	0.6275	ppb	0.0766	12.2	236.423
Fe 271.441	11.0179	ppb	4.1564	37.7	30.0674
K 766.491	148.133	ppb	3.9464	2.7	20716.8
Mg 279.078	34.7204	ppb	1.5504	4.5	104.525
Mn 257.610	0.2831	ppb	0.0239	8.5	55.9344
Mo 202.032	0.0439	ppb	0.4965	1131.4	5.4329
Na 330.237	28429.1	ppb	823.344	2.9	1725.65
Ni 231.604	-0.1570	ppb	0.4760	303.1	3.0612
Pb 220.353	-0.9271	ppb	1.0812	116.6	-1.1364
Sb 206.834	0.8227	ppb	1.3403	162.9	6.7646
Se 196.026	5.6462	ppb	2.2211	39.3	7.5369
Sn 189.925	-1.0096	ppb	3.6680	363.3	-5.1196
Sr 216.596	20.6620	ppb	0.8455	4.1	150.206

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ti 334.941	0.0722	ppb	0.0421	58.3	-62.8948
Tl 190.794	0.9495	ppb	2.2579	237.8	-5.1281
V 292.401	0.0661	ppb	0.0140	21.2	9.7656
Zn 206.200	0.7073	ppb	1.1243	159.0	2.3331

280-59657-b-10-a^20 (Samp) **9/12/2014, 12:05:41 PM** **Rack 1, Tube 22**

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

Label	Replicates Concentration		
Ag 328.068	0.2349	0.2179	0.0998
Al 308.215	-3.3510u	-2.1244u	-3.1523u
As 188.980	-3.7384u	3.3675	0.7028
B 249.678	4.0503	2.7407	3.9619
Ba 389.178	40.2527	40.3659	38.6472
Be 313.042	-0.0260u	-0.0313u	-0.0339u
Ca 370.602	133.4	125.2	123.9
Cd 226.502	-0.0536u	0.1415	-0.0151u
Co 228.615	-0.2229u	-0.3856u	-0.8474u
Cr 267.716	0.0753	-0.2168u	-0.2198u
Cu 324.754	0.5037	0.3973	0.6159
Fe 271.441	33.1041	33.5820	32.8710
K 766.491	140.858	138.692	134.999
Mg 279.078	34.7701	35.2758	33.6471
Mn 257.610	0.4714	0.5106	0.4461
Mo 202.032	-0.2576u	-0.2899u	0.7815
Na 330.237	29677.2	28870.6	28354.6
Ni 231.604	0.2054	-0.9004u	2.1717
Pb 220.353	2.3999	1.4456	2.5759
Sb 206.834	0.3614	-3.9654u	-2.0416u
Se 196.026	10.6068	2.3376	4.7153
Sn 189.925	-1.6544u	0.3794	-3.0898u
Sr 216.596	21.9270	21.2678	20.8777
Ti 334.941	0.1041	0.0640	0.1064
Tl 190.794	-7.7025u	1.2502	-0.7920u
V 292.401	0.1328	0.2100	-0.1722u
Zn 206.200	1.8369	0.1753	0.6129

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	0.1842	ppb	0.0736	40.0	-10.7450
Al 308.215	-2.8759	ppb	0.6583	22.9	372.034
As 188.980	0.1107	ppb	3.5898	3244.0	-3.9751
B 249.678	3.5843	ppb	0.7319	20.4	79.7850
Ba 389.178	39.7553	ppb	0.9612	2.4	799.730
Be 313.042	-0.0304	ppb	0.0040	13.2	-3283.28
Ca 370.602	127.5	ppb	5.151	4.0	470.9
Cd 226.502	0.0243	ppb	0.1033	425.5	14.7687
Co 228.615	-0.4853	ppb	0.3240	66.8	-14.5701
Cr 267.716	-0.1205	ppb	0.1695	140.7	4.4140
Cu 324.754	0.5057	ppb	0.1093	21.6	230.540
Fe 271.441	33.1857	ppb	0.3625	1.1	49.3156
K 766.491	138.183	ppb	2.9625	2.1	19448.7
Mg 279.078	34.5644	ppb	0.8337	2.4	104.142
Mn 257.610	0.4760	ppb	0.0325	6.8	82.6176
Mo 202.032	0.0780	ppb	0.6094	781.6	5.6178

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Na 330.237	28967.5	ppb	666.607	2.3	1757.33
Ni 231.604	0.4922	ppb	1.5560	316.1	4.8384
Pb 220.353	2.1405	ppb	0.6082	28.4	1.8230
Sb 206.834	-1.8819	ppb	2.1678	115.2	4.5270
Se 196.026	5.8866	ppb	4.2572	72.3	7.6200
Sn 189.925	-1.4549	ppb	1.7432	119.8	-5.3582
Sr 216.596	21.3575	ppb	0.5304	2.5	155.228
Ti 334.941	0.0915	ppb	0.0239	26.1	-56.1645
Tl 190.794	-2.4148	ppb	4.6918	194.3	-6.9375
V 292.401	0.0569	ppb	0.2021	355.5	9.4502
Zn 206.200	0.8750	ppb	0.8613	98.4	2.6712

280-59657-b-11-a^20 (Samp) **9/12/2014, 12:10:09 PM** **Rack 1, Tube 23**

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

Label	Replicates Concentration		
Ag 328.068	0.6125	0.1622	-0.2548u
Al 308.215	-5.4755u	-2.6857u	-3.8758u
As 188.980	0.2493	-4.4241u	-3.7291u
B 249.678	37.4324	36.0654	35.4375
Ba 389.178	42.2745	41.1573	40.1860
Be 313.042	-0.0264u	-0.0322u	-0.0437u
Ca 370.602	292.2	281.7	277.5
Cd 226.502	-0.0285u	-0.0373u	0.1445
Co 228.615	0.5907	-0.1022u	0.6702
Cr 267.716	-0.0085	-0.1193u	-0.1908u
Cu 324.754	0.4943	0.5866	0.5697
Fe 271.441	53.0532	53.4204	55.5588
K 766.491	186.272	179.725	175.951
Mg 279.078	37.6698	40.5249	38.4954
Mn 257.610	1.0611	0.9957	0.9606
Mo 202.032	-0.2467u	0.3279	0.6577
Na 330.237	38601.6	37604.4	36499.3
Ni 231.604	1.3295	-1.0871u	1.3057
Pb 220.353	-1.8883u	-0.5964u	2.4393
Sb 206.834	-2.4092u	1.6605	-0.3604u
Se 196.026	-2.5415u	-1.0325u	-5.8651u
Sn 189.925	0.5336	-1.7071u	-1.6221u
Sr 216.596	41.7926	39.7599	38.6145
Ti 334.941	0.0533	0.0897	0.0918
Tl 190.794	2.9675	1.9512	-4.5465u
V 292.401	-0.0993u	0.0837	0.0494
Zn 206.200	0.5782	-0.2684u	1.4301

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	0.1733	ppb	0.4337	250.3	-11.2724
Al 308.215	-4.0123	ppb	1.3999	34.9	365.591
As 188.980	-2.6347	ppb	2.5216	95.7	-5.2509
B 249.678	36.3118	ppb	1.0200	2.8	528.505
Ba 389.178	41.2059	ppb	1.0451	2.5	830.145
Be 313.042	-0.0341	ppb	0.0088	25.8	-3292.99
Ca 370.602	283.8	ppb	7.583	2.7	1050
Cd 226.502	0.0262	ppb	0.1025	390.9	14.8463
Co 228.615	0.3862	ppb	0.4249	110.0	-7.9142

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Cr 267.716	-0.1062	ppb	0.0918	86.4	4.8511
Cu 324.754	0.5502	ppb	0.0492	8.9	232.541
Fe 271.441	54.0108	ppb	1.3531	2.5	67.4839
K 766.491	180.649	ppb	5.2225	2.9	24861.2
Mg 279.078	38.8967	ppb	1.4692	3.8	113.325
Mn 257.610	1.0058	ppb	0.0510	5.1	155.779
Mo 202.032	0.2463	ppb	0.4577	185.8	6.5399
Na 330.237	37568.4	ppb	1051.64	2.8	2263.53
Ni 231.604	0.5160	ppb	1.3884	269.1	4.9042
Pb 220.353	-0.0151	ppb	2.2216	14684.9	-0.2572
Sb 206.834	-0.3697	ppb	2.0349	550.5	5.7753
Se 196.026	-3.1464	ppb	2.4724	78.6	4.5151
Sn 189.925	-0.9319	ppb	1.2699	136.3	-5.0762
Sr 216.596	40.0556	ppb	1.6095	4.0	290.302
Ti 334.941	0.0783	ppb	0.0217	27.7	-61.4983
Tl 190.794	0.1241	ppb	4.0766	3285.3	-5.5745
V 292.401	0.0113	ppb	0.0973	863.0	7.8729
Zn 206.200	0.5800	ppb	0.8493	146.4	2.0770

280-59657-b-12-a^20 (Samp) **9/12/2014, 12:14:38 PM** **Rack 1, Tube 24**

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

Label	Replicates Concentration		
Ag 328.068	0.5996	0.1413	-0.3073u
Al 308.215	-3.9097u	-6.7411u	-3.7977u
As 188.980	-4.8576u	-0.2273u	2.1803
B 249.678	9.1701	8.9876	8.8098
Ba 389.178	23.4433	23.2401	22.6926
Be 313.042	-0.0359u	-0.0296u	-0.0410u
Ca 370.602	141.8	133.7	130.8
Cd 226.502	0.1393	0.0898	0.2179
Co 228.615	0.9612	0.6035	-0.5976u
Cr 267.716	1.0671	0.8367	0.3875
Cu 324.754	0.1987	0.5523	0.7800
Fe 271.441	21.6661	22.6336	17.2478
K 766.491	134.201	130.087	127.744
Mg 279.078	17.0613	19.8962	18.4846
Mn 257.610	0.2279	0.1810	0.2187
Mo 202.032	-0.0355u	-0.1725u	-0.2879u
Na 330.237	27933.3	27136.6	26620.6
Ni 231.604	-0.8794u	-0.6919u	0.4734
Pb 220.353	-0.3046u	0.1043	1.6302
Sb 206.834	-2.3421u	0.6904	-0.9651u
Se 196.026	6.3573	-0.1433u	8.4154
Sn 189.925	-0.7726u	-1.0367u	-1.5056u
Sr 216.596	21.5706	21.3219	21.3296
Ti 334.941	0.0705	0.0574	0.1050
Tl 190.794	-1.4091u	-1.7339u	1.6716
V 292.401	0.1046	0.2390	-0.2209u
Zn 206.200	0.7012	-0.1814u	-0.3258u

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	0.1445	ppb	0.4535	313.8	-12.6635
Al 308.215	-4.8162	ppb	1.6680	34.6	-361.001

F09122014.wvq. All Data Report 9/15/2014, 10:04:20 AM

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
As 188.980	-0.9682	ppb	3.5770	369.4	-4.4764
B 249.678	8.9892	ppb	0.1801	2.0	153.922
Ba 389.178	23.1253	ppb	0.3883	1.7	451.546
Be 313.042	-0.0355	ppb	0.0057	16.1	-3295.04
Ca 370.602	135.4	ppb	5.715	4.2	500.5
Cd 226.502	0.1490	ppb	0.0646	43.3	18.3443
Co 228.615	0.3224	ppb	0.8165	253.3	-8.3956
Cr 267.716	0.7637	ppb	0.3456	45.3	27.1475
Cu 324.754	0.5103	ppb	0.2929	57.4	230.756
Fe 271.441	20.5158	ppb	2.8712	14.0	38.3126
K 766.491	130.677	ppb	3.2689	2.5	18492.1
Mg 279.078	18.4807	ppb	1.4175	7.7	69.9224
Mn 257.610	0.2092	ppb	0.0248	11.9	45.6741
Mo 202.032	-0.1653	ppb	0.1264	76.4	4.2841
Na 330.237	27230.1	ppb	661.326	2.4	1655.08
Ni 231.604	-0.3659	ppb	0.7329	200.3	2.4900
Pb 220.353	0.4766	ppb	1.0197	213.9	0.2185
Sb 206.834	-0.8723	ppb	1.5184	174.1	5.3709
Se 196.026	4.8765	ppb	4.4674	91.6	7.2725
Sn 189.925	-1.1050	ppb	0.3712	33.6	-5.1710
Sr 216.596	21.4074	ppb	0.1414	0.7	155.607
Ti 334.941	0.0776	ppb	0.0246	31.7	-60.9305
Tl 190.794	-0.4904	ppb	1.8794	383.2	-5.9026
V 292.401	0.0409	ppb	0.2365	577.8	8.9429
Zn 206.200	0.0647	ppb	0.5560	859.6	1.0363

Cont Calib Verif (CCV) **9/12/2014, 12:19:06 PM** **Rack 1, Tube 25**

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

Label	Replicates Concentration		
Ag 328.068	488.760	489.782	490.208
Al 308.215	4864.36	4840.60	4860.73
As 188.980	475.874	484.182	470.019
B 249.678	497.442	497.751	500.381
Ba 389.178	4854.30	4832.57	4847.84
Be 313.042	487.323	487.518	488.101
Ca 370.602	4826	4802	4819
Cd 226.502	487.616	483.783	485.543
Co 228.615	486.079	483.372	483.364
Cr 267.716	4857.47	4832.83	4841.12
Cu 324.754	5028.16	5001.96	4986.66
Fe 271.441	4906.61	4866.97	4903.02
K 766.491	10024.6	9972.88	10009.4
Mg 279.078	4834.26	4819.55	4828.37
Mn 257.610	4938.07	4927.94	4933.80
Mo 202.032	487.443	487.319	487.022
Na 330.237	7171.96	7303.17	6975.19
Ni 231.604	2442.06	2427.30	2434.78
Pb 220.353	493.683	492.516	497.276
Sb 206.834	951.359	947.991	950.529
Se 196.026	4947.49	4939.11	4940.81
Sn 189.925	4808.40	4788.54	4779.13
Sr 216.596	2396.87	2392.41	2396.60
Ti 334.941	482.452	480.925	482.490

Label	Replicates Concentration		
Tl 190.794	4904.04	4888.23	4908.64
V 292.401	4871.18	4846.28	4865.02
Zn 206.200	2398.07	2387.96	2388.86

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Ag 328.068	489.583	ppb	0.7440	0.2	23690.6	97.91664
Al 308.215	4855.23	ppb	12.8011	0.3	28214.3	97.10462
As 188.980	476.691	ppb	7.1170	1.5	217.554	95.33827
B 249.678	498.525	ppb	1.6148	0.3	6875.40	99.70491
Ba 389.178	4844.90	ppb	11.1561	0.2	101417	96.89806
Be 313.042	487.648	ppb	0.4048	0.1	1141334	97.52953
Ca 370.602	4816	ppb	12.55	0.3	17893	96.31033
Cd 226.502	485.647	ppb	1.9188	0.4	14065.2	97.12941
Co 228.615	484.272	ppb	1.5652	0.3	3687.35	96.85431
Cr 267.716	4843.80	ppb	12.5373	0.3	124566	96.87609
Cu 324.754	5005.59	ppb	20.9836	0.4	241163	100.11184
Fe 271.441	4892.20	ppb	21.9238	0.4	4324.31	97.84406
K 766.491	10002.3	ppb	26.5675	0.3	1276663	100.02273
Mg 279.078	4827.39	ppb	7.4034	0.2	10299.8	96.54787
Mn 257.610	4933.27	ppb	5.0847	0.1	680884	98.66538
Mo 202.032	487.261	ppb	0.2163	0.0	2676.24	97.45226
Na 330.237	7150.11	ppb	165.075	2.3	456.475	95.33474
Ni 231.604	2434.72	ppb	7.3785	0.3	6665.03	97.38863
Pb 220.353	494.492	ppb	2.4808	0.5	478.232	98.89838
Sb 206.834	949.959	ppb	1.7548	0.2	813.907	94.99595
Se 196.026	4942.47	ppb	4.4267	0.1	1705.86	98.84939
Sn 189.925	4792.02	ppb	14.9441	0.3	2563.72	95.84042
Sr 216.596	2395.29	ppb	2.5029	0.1	17219.7	95.81166
Ti 334.941	481.955	ppb	0.8926	0.2	168916	96.39109
Tl 190.794	4900.30	ppb	10.7037	0.2	2630.91	98.00607
V 292.401	4860.83	ppb	12.9694	0.3	155949	97.21659
Zn 206.200	2391.63	ppb	5.5986	0.2	4808.16	95.66517

Cont Calib Blank (CCB) **9/12/2014, 12:23:32 PM** **Rack 1, Tube 26**

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

Label	Replicates Concentration		
Ag 328.068	0.5498	-0.1893u	0.2509
Al 308.215	-5.4777u	-5.3970u	-4.2310u
As 188.980	-4.2323u	-5.9444u	6.6014
B 249.678	6.2052	5.6391	4.1093
Ba 389.178	1.2298	1.1800	0.5738
Be 313.042	0.0077	-0.0289u	-0.0045u
Ca 370.602	1.797	5.422	4.971
Cd 226.502	0.0668	0.0769	0.1971
Co 228.615	0.4763	-0.0072u	0.1348
Cr 267.716	0.3566	0.3681	0.3547
Cu 324.754	0.9270	1.3953	0.6574
Fe 271.441	-7.5452u	-1.9062u	1.2266
K 766.491	-0.6716u	-0.9937u	-1.1440u
Mg 279.078	-1.0492u	-0.7517u	-1.1045u
Mn 257.610	0.3341	0.2165	0.1572
Mo 202.032	0.7598	1.2708	0.9488
Na 330.237	185.127	11.6377	61.2866

Label	Replicates Concentration		
Ni 231.604	-0.1834u	2.4226	-1.2528u
Pb 220.353	1.0609	-1.2440u	0.5888
Sb 206.834	4.2852	7.7751	1.8334
Se 196.026	6.6820	1.3633	10.8671
Sn 189.925	0.4502	0.0524	0.4088
Sr 216.596	0.2391	-0.0336u	-0.0016u
Ti 334.941	0.2045	0.2069	0.1708
Tl 190.794	3.8235	0.3320	3.6258
V 292.401	0.5278	0.2383	0.2999
Zn 206.200	0.1283	-0.7408u	-0.1776u

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Ag 328.068	0.2038	ppb	0.3718	182.4	-9.7936	0.20379
Al 308.215	-5.0352	ppb	0.6977	13.9	359.851	-5.03524
As 188.980	-1.1917	ppb	6.8031	570.9	-4.5798	-1.19174
B 249.678	5.3179	ppb	1.0843	20.4	103.638	5.31788
Ba 389.178	0.9945	ppb	0.3652	36.7	-11.8069	0.99454
Be 313.042	-0.0086	ppb	0.0186	216.9	-3228.62	-0.00857
Ca 370.602	4.063	ppb	1.975	48.6	13.65	4.06337
Cd 226.502	0.1136	ppb	0.0725	63.8	17.3632	0.11361
Co 228.615	0.2013	ppb	0.2485	123.4	-9.3415	0.20131
Cr 267.716	0.3598	ppb	0.0073	2.0	16.5315	0.35979
Cu 324.754	0.9932	ppb	0.3734	37.6	254.148	0.99323
Fe 271.441	-2.7416	ppb	4.4452	162.1	18.0835	-2.74160
K 766.491	-0.9364	ppb	0.2413	25.8	1717.46	-0.93643
Mg 279.078	-0.9684	ppb	0.1898	19.6	28.5557	-0.96843
Mn 257.610	0.2359	ppb	0.0900	38.2	49.2830	0.23593
Mo 202.032	0.9931	ppb	0.2583	26.0	10.6421	0.99313
Na 330.237	86.0170	ppb	89.3493	103.9	57.5027	86.01698
Ni 231.604	0.3288	ppb	1.8905	574.9	4.3901	0.32883
Pb 220.353	0.1352	ppb	1.2176	900.3	-0.1118	0.13524
Sb 206.834	4.6313	ppb	2.9859	64.5	9.9039	4.63126
Se 196.026	6.3041	ppb	4.7631	75.6	7.7624	6.30412
Sn 189.925	0.3038	ppb	0.2187	72.0	-4.4213	0.30382
Sr 216.596	0.0680	ppb	0.1491	219.4	1.4227	0.06795
Ti 334.941	0.1941	ppb	0.0202	10.4	-17.8832	0.19407
Tl 190.794	2.5937	ppb	1.9612	75.6	-4.2443	2.59375
V 292.401	0.3553	ppb	0.1525	42.9	19.0223	0.35533
Zn 206.200	-0.2634	ppb	0.4409	167.4	0.3759	-0.26337

280-59657-b-13-a^20 (Samp) **9/12/2014, 12:27:59 PM** **Rack 1, Tube 27**

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

Label	Replicates Concentration		
Ag 328.068	0.2529	0.6540	0.0888
Al 308.215	-2.2483u	-3.9033u	-1.6329u
As 188.980	-7.0839u	3.8411	-0.5762u
B 249.678	48.3120	47.5373	46.7445
Ba 389.178	38.3625	38.4411	37.9143
Be 313.042	-0.0147u	-0.0346u	-0.0407u
Ca 370.602	239.5	232.1	225.6
Cd 226.502	-0.0467u	-0.1226u	0.1851
Co 228.615	0.0686	0.4696	-0.0042u
Cr 267.716	-0.2794u	-0.0685u	-0.0388u

Label	Replicates Concentration		
Cu 324.754	0.5441	1.0090	0.4012
Fe 271.441	35.2929	38.1940	35.5676
K 766.491	161.537	158.883	156.404
Mg 279.078	43.5837	40.9772	45.4275
Mn 257.610	0.7342	0.7071	0.6462
Mo 202.032	0.8448	-0.0324u	-0.4300u
Na 330.237	36217.8	36033.5	35438.9
Ni 231.604	-1.3969u	0.3423	-0.3526u
Pb 220.353	6.3631	0.3668	0.6058
Sb 206.834	-5.5204u	0.8126	-0.3013u
Se 196.026	15.2674	-2.0962u	10.0485
Sn 189.925	5.0836	3.7535	-0.3826u
Sr 216.596	41.4018	40.5995	40.6984
Ti 334.941	0.1513	0.1675	0.1148
Tl 190.794	1.3999	0.7155	-1.8778u
V 292.401	-0.0106u	0.0201	0.1186
Zn 206.200	-0.1834u	1.4657	-0.7625u

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	0.3319	ppb	0.2907	87.6	-3.6002
Al 308.215	-2.5948	ppb	1.1742	45.3	373.631
As 188.980	-1.2730	ppb	5.4957	431.7	-4.6181
B 249.678	47.5312	ppb	0.7837	1.6	682.350
Ba 389.178	38.2393	ppb	0.2842	0.7	768.026
Be 313.042	-0.0300	ppb	0.0136	45.4	-3283.18
Ca 370.602	232.4	ppb	6.980	3.0	859.9
Cd 226.502	0.0053	ppb	0.1603	3048.7	14.2059
Co 228.615	0.1780	ppb	0.2551	143.3	-9.5028
Cr 267.716	-0.1289	ppb	0.1312	101.8	4.2555
Cu 324.754	0.6514	ppb	0.3178	48.8	237.461
Fe 271.441	36.3515	ppb	1.6015	4.4	52.0981
K 766.491	158.941	ppb	2.5668	1.6	22094.4
Mg 279.078	43.3295	ppb	2.2360	5.2	122.795
Mn 257.610	0.6958	ppb	0.0450	6.5	112.995
Mo 202.032	0.1275	ppb	0.6522	511.7	5.8890
Na 330.237	35896.8	ppb	407.072	1.1	2165.15
Ni 231.604	-0.4691	ppb	0.8754	186.6	2.2084
Pb 220.353	2.4452	ppb	3.3951	138.8	2.1167
Sb 206.834	-1.6697	ppb	3.3810	202.5	4.7004
Se 196.026	7.7399	ppb	8.9090	115.1	8.2579
Sn 189.925	2.8182	ppb	2.8506	101.2	-3.0667
Sr 216.596	40.8999	ppb	0.4374	1.1	296.409
Ti 334.941	0.1445	ppb	0.0270	18.7	-38.1401
Tl 190.794	0.0792	ppb	1.7290	2182.8	-5.5978
V 292.401	0.0427	ppb	0.0675	158.0	8.9247
Zn 206.200	0.1732	ppb	1.1561	667.4	1.2575

680-105066-b-1-a^10 (Samp) **9/12/2014, 12:32:26 PM** **Rack 1, Tube 28**

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

Label	Replicates Concentration		
Ag 328.068	0.0087	-0.1098u	0.5807
Al 308.215	471.495	465.608	453.405
As 188.980	4.7263	1.6709	-1.9541u

Label	Replicates Concentration		
B 249.678	587.826	582.372	579.087
Ba 389.178	49.9502	48.5732	47.9879
Be 313.042	-0.0377u	-0.0333u	-0.0306u
Ca 370.602	1783	1754	1723
Cd 226.502	8.3714	8.2413	8.1433
Co 228.615	1.2724	0.8359	1.1235
Cr 267.716	4069.62	3996.71	3932.50
Cu 324.754	5.2658	5.3765	5.3320
Fe 271.441	79.4052	77.2136	75.1953
K 766.491	463.713	455.587	448.796
Mg 279.078	252.849	250.864	245.959
Mn 257.610	9.0577	8.9129	8.7561
Mo 202.032	0.6487	1.0665	0.5680
Na 330.237	3051.38	2822.92	2695.40
Ni 231.604	3.0601	1.6662	0.8566
Pb 220.353	0.7671	2.2300	3.1028
Sb 206.834	-2.9584	-13.4456	-7.6853
Se 196.026	-3.3747u	-3.7071u	10.7513
Sn 189.925	2.9595	9.0942	5.6160
Sr 216.596	2446.60	2398.33	2362.50
Ti 334.941	3.6168	3.5617	3.5142
Tl 190.794	4.9166	-2.6339u	-2.8638u
V 292.401	3.0037u	3.0358u	3.3426u
Zn 206.200	2964.20	2918.27	2883.80

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	0.1599	ppb	0.3693	231.0	-10.1975
Al 308.215	463.502	ppb	9.2266	2.0	3018.08
As 188.980	1.4810	ppb	3.3443	225.8	-3.3383
B 249.678	583.095	ppb	4.4143	0.8	8025.82
Ba 389.178	48.8371	ppb	1.0074	2.1	990.400
Be 313.042	-0.0339	ppb	0.0036	10.5	-3289.25
Ca 370.602	1753	ppb	30.22	1.7	6500
Cd 226.502	8.2520	ppb	0.1144	1.4	252.748
Co 228.615	1.0772	ppb	0.2219	20.6	-2.5958
Cr 267.716	3999.61	ppb	68.6062	1.7	102893
Cu 324.754	5.3248	ppb	0.0557	1.0	461.069
Fe 271.441	77.2714	ppb	2.1055	2.7	70.6077
K 766.491	456.032	ppb	7.4683	1.6	59959.8
Mg 279.078	249.891	ppb	3.5465	1.4	562.602
Mn 257.610	8.9089	ppb	0.1508	1.7	1247.75
Mo 202.032	0.7611	ppb	0.2676	35.2	9.3670
Na 330.237	2856.57	ppb	180.363	6.3	211.797
Ni 231.604	1.8610	ppb	1.1146	59.9	8.5900
Pb 220.353	2.0333	ppb	1.1802	58.0	3.6005
Sb 206.834	-8.0298	ppb	5.2520	65.4	23.8992
Se 196.026	1.2232	ppb	8.2533	674.8	6.0261
Sn 189.925	5.8899	ppb	3.0765	52.2	-1.4266
Sr 216.596	2402.47	ppb	42.2040	1.8	17351.0
Ti 334.941	3.5642	ppb	0.0513	1.4	1164.06
Tl 190.794	-0.1937	ppb	4.4271	2285.5	-5.7509
V 292.401	3.1274	ppb	0.1871	6.0	-158.053
Zn 206.200	2922.09	ppb	40.3347	1.4	5878.86

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680-104968-b-3-a^10 (Samp) **9/12/2014, 12:36:53 PM** **Rack 1, Tube 29**

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

Label	Replicates Concentration		
Ag 328.068	-0.5271u	0.0969	-0.1021
Al 308.215	14549.7	14563.1	14329.9
As 188.980	28.5383	26.8920	32.3226
B 249.678	10.4765	8.9131	8.3808
Ba 389.178	314.972	313.722	308.458
Be 313.042	1.8168	1.8002	1.7805
Ca 370.602	4566	4554	4515
Cd 226.502	0.6270	0.3196	0.3538
Co 228.615	31.4541	31.2695	31.2286
Cr 267.716	84.9354	84.6776	83.4180
Cu 324.754	36.3165	36.7590	36.3116
Fe 271.441	66088.3	66006.2	65089.6
K 766.491	908.013	912.939	898.857
Mg 279.078	822.958	826.758	804.016
Mn 257.610	4363.90	4376.67	4301.21
Mo 202.032	3.4249	3.1938	4.0630
Na 330.237	229.413u	202.246u	303.685u
Ni 231.604	13.2457	15.0248	14.7348
Pb 220.353	210.594	206.411	206.416
Sb 206.834	2.8260	-0.2384	2.9276
Se 196.026	8.1739	1.5806	-4.4206u
Sn 189.925	14.4986	13.3854	8.1036
Sr 216.596	36.3812	36.2634	35.2128
Ti 334.941	115.777	115.887	114.011
Tl 190.794	0.3887u	-1.1800u	-1.9184u
V 292.401	89.2069	90.0241	88.7685
Zn 206.200	196.175	199.973	194.270

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.1774	ppb	0.3187	179.6	-19.9413
Al 308.215	14480.9	ppb	130.942	0.9	82559.5
As 188.980	29.2510	ppb	2.7846	9.5	9.1223
B 249.678	9.2568	ppb	1.0893	11.8	113.972
Ba 389.178	312.384	ppb	3.4571	1.1	6624.63
Be 313.042	1.7991	ppb	0.0182	1.0	1037.38
Ca 370.602	4545	ppb	26.74	0.6	15980
Cd 226.502	0.4335	ppb	0.1685	38.9	190.538
Co 228.615	31.3174	ppb	0.1201	0.4	232.976
Cr 267.716	84.3437	ppb	0.8120	1.0	2176.21
Cu 324.754	36.4623	ppb	0.2569	0.7	1954.61
Fe 271.441	65728.1	ppb	554.408	0.8	57197.4
K 766.491	906.603	ppb	7.1464	0.8	117387
Mg 279.078	817.911	ppb	12.1819	1.5	1642.50
Mn 257.610	4347.26	ppb	40.3907	0.9	600118
Mo 202.032	3.5606	ppb	0.4502	12.6	19.4466
Na 330.237	245.115	ppb	52.5108	21.4	35.8165
Ni 231.604	14.3351	ppb	0.9545	6.7	44.9832
Pb 220.353	207.807	ppb	2.4136	1.2	198.983
Sb 206.834	1.8384	ppb	1.7993	97.9	8.0803
Se 196.026	1.7780	ppb	6.2995	354.3	7.6708
Sn 189.925	11.9959	ppb	3.4164	28.5	1.8451
Sr 216.596	35.9524	ppb	0.6433	1.8	304.694

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ti 334.941	115.225	ppb	1.0532	0.9	40328.0
Tl 190.794	-0.9033	ppb	1.1782	130.4	-10.0248
V 292.401	89.3332	ppb	0.6372	0.7	2903.46
Zn 206.200	196.806	ppb	2.9033	1.5	398.648

680-104968-b-5-a^10 (Samp) **9/12/2014, 12:41:20 PM** **Rack 1, Tube 30**

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

Label	Replicates Concentration		
Ag 328.068	0.8332	0.8408	1.0650
Al 308.215	19223.2	19126.4	19035.0
As 188.980	49.6236	53.6306	58.2523
B 249.678	11.0923	10.6525	10.0700
Ba 389.178	399.994	397.570	396.114
Be 313.042	2.0126	1.9940	1.9691
Ca 370.602	10145	10085	10033
Cd 226.502	0.9804	1.2026	0.9492
Co 228.615	17.1596	17.9436	17.9722
Cr 267.716	136.396	135.838	135.772
Cu 324.754	448.797	451.402	448.298
Fe 271.441	84736.8	84217.1	83719.8
K 766.491	1125.49	1117.43	1115.86
Mg 279.078	1481.35	1458.90	1459.91
Mn 257.610	1045.70	1040.97	1035.99
Mo 202.032	2.9741	3.6943	3.5596
Na 330.237	345.809u	252.791u	278.381u
Ni 231.604	18.9676	20.0891	18.7970
Pb 220.353	3374.65	3356.83	3337.03
Sb 206.834	141.452	143.557	144.619
Se 196.026	8.4789	13.9568	6.3425
Sn 189.925	129.013	130.785	128.350
Sr 216.596	95.0071	93.4200	92.7328
Ti 334.941	260.712	259.309	258.291
Tl 190.794	4.5873u	4.6255u	2.7598u
V 292.401	138.874	138.291	138.025
Zn 206.200	530.355	526.816	524.870

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	0.9130	ppb	0.1317	14.4	20.2131
Al 308.215	19128.2	ppb	94.0972	0.5	108932
As 188.980	53.8355	ppb	4.3180	8.0	20.4211
B 249.678	10.6050	ppb	0.5128	4.8	121.971
Ba 389.178	397.893	ppb	1.9603	0.5	8448.88
Be 313.042	1.9919	ppb	0.0218	1.1	1507.02
Ca 370.602	10088	ppb	56.10	0.6	36314
Cd 226.502	1.0441	ppb	0.1382	13.2	254.331
Co 228.615	17.6918	ppb	0.4611	2.6	131.793
Cr 267.716	136.002	ppb	0.3427	0.3	3504.65
Cu 324.754	449.499	ppb	1.6669	0.4	21834.6
Fe 271.441	84224.5	ppb	508.549	0.6	73286.2
K 766.491	1119.60	ppb	5.1671	0.5	144533
Mg 279.078	1466.72	ppb	12.6778	0.9	2987.54
Mn 257.610	1040.89	ppb	4.8585	0.5	143856
Mo 202.032	3.4093	ppb	0.3829	11.2	17.1205

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Na 330.237	292.327	ppb	48.0517	16.4	27.3002
Ni 231.604	19.2846	ppb	0.7019	3.6	59.1642
Pb 220.353	3356.17	ppb	18.8186	0.6	3236.00
Sb 206.834	143.209	ppb	1.6118	1.1	125.402
Se 196.026	9.5927	ppb	3.9275	40.9	10.1785
Sn 189.925	129.383	ppb	1.2593	1.0	64.7589
Sr 216.596	93.7200	ppb	1.1665	1.2	735.168
Ti 334.941	259.437	ppb	1.2154	0.5	90898.4
Tl 190.794	3.9909	ppb	1.0663	26.7	-9.2018
V 292.401	138.397	ppb	0.4341	0.3	4487.78
Zn 206.200	527.347	ppb	2.7806	0.5	1064.90

680-104968-b-6-a^10 (Samp) **9/12/2014, 12:45:48 PM** **Rack 1, Tube 31**

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

Label	Replicates Concentration		
Ag 328.068	0.1266	0.3795	0.8786
Al 308.215	21451.3	20926.0	20471.9
As 188.980	56.1411	59.6436	51.8867
B 249.678	7.9900	8.3500	7.4235
Ba 389.178	563.711	550.809	538.131
Be 313.042	2.3518	2.2851	2.2160
Ca 370.602	10845	10619	10371
Cd 226.502	1.3529	1.1499	0.7070
Co 228.615	43.8110	41.6965	41.1046
Cr 267.716	133.525	130.022	126.724
Cu 324.754	621.162	608.594	595.895
Fe 271.441	97973.1	95647.9	93984.8
K 766.491	1120.81	1094.64	1070.91
Mg 279.078	1532.16	1504.71	1464.90
Mn 257.610	2807.04	2741.27	2682.19
Mo 202.032	3.5011	3.9063	3.5112
Na 330.237	395.771u	361.081u	469.296u
Ni 231.604	23.5644	20.7164	18.9964
Pb 220.353	4395.91	4286.56	4207.68
Sb 206.834	212.119	212.529	204.316
Se 196.026	-3.4221	-4.7589	0.3334
Sn 189.925	192.550	191.005	183.363
Sr 216.596	83.5878	80.9670	78.9338
Ti 334.941	257.995	251.966	246.385
Tl 190.794	-5.0089u	0.2744u	-0.0035u
V 292.401	152.967	148.790	145.643
Zn 206.200	562.709	549.883	538.935

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	0.4616	ppb	0.3826	82.9	2.9074
Al 308.215	20949.7	ppb	490.173	2.3	119268
As 188.980	55.8905	ppb	3.8845	7.0	21.2973
B 249.678	7.9212	ppb	0.4670	5.9	78.3215
Ba 389.178	550.884	ppb	12.7901	2.3	11672.1
Be 313.042	2.2843	ppb	0.0679	3.0	2195.13
Ca 370.602	10612	ppb	237.2	2.2	38097
Cd 226.502	1.0699	ppb	0.3303	30.9	284.137
Co 228.615	42.2041	ppb	1.4228	3.4	319.498

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Cr 267.716	130.090	ppb	3.4011	2.6	3352.50
Cu 324.754	608.550	ppb	12.6334	2.1	29492.8
Fe 271.441	95868.6	ppb	2003.25	2.1	83416.7
K 766.491	1095.45	ppb	24.9596	2.3	141456
Mg 279.078	1500.59	ppb	33.8164	2.3	3036.67
Mn 257.610	2743.50	ppb	62.4544	2.3	378854
Mo 202.032	3.6396	ppb	0.2311	6.3	17.4499
Na 330.237	408.716	ppb	55.2568	13.5	29.1101
Ni 231.604	21.0924	ppb	2.3071	10.9	64.5128
Pb 220.353	4296.72	ppb	94.5278	2.2	4143.21
Sb 206.834	209.655	ppb	4.6279	2.2	180.354
Se 196.026	-2.6159	ppb	2.6402	100.9	6.3645
Sn 189.925	188.973	ppb	4.9190	2.6	96.6964
Sr 216.596	81.1629	ppb	2.3332	2.9	652.264
Ti 334.941	252.116	ppb	5.8068	2.3	88332.8
Tl 190.794	-1.5793	ppb	2.9734	188.3	-12.7217
V 292.401	149.133	ppb	3.6741	2.5	4838.19
Zn 206.200	550.509	ppb	11.8996	2.2	1111.83

680-104968-b-12-a^10 (Samp) **9/12/2014, 12:50:16 PM** **Rack 1, Tube 32**

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

Label	Replicates Concentration		
Ag 328.068	-0.2615u	-0.3154u	-0.1972u
Al 308.215	20965.5	20264.8	19820.0
As 188.980	45.0026	40.6859	44.2064
B 249.678	5.1865u	4.5875u	4.7415u
Ba 389.178	313.551	304.261	296.544
Be 313.042	2.9827	2.8665	2.8063
Ca 370.602	5077	4916	4820
Cd 226.502	1.6123	0.8512	0.6453
Co 228.615	44.1265	42.1111	41.5356
Cr 267.716	148.712	144.319	141.105
Cu 324.754	37.1281	36.4049	35.1688
Fe 271.441	111790	108240	105883
K 766.491	820.420	796.512	778.865
Mg 279.078	1244.16	1215.18	1190.95
Mn 257.610	5944.77	5782.98	5654.50
Mo 202.032	2.4716	2.3241	1.9374
Na 330.237	233.432u	358.654u	213.540u
Ni 231.604	16.7265	16.1426	16.1728
Pb 220.353	143.066	139.401	140.350
Sb 206.834	2.5578	8.3447	-3.2417u
Se 196.026	1.7785	-3.0762	2.1865
Sn 189.925	10.1569	12.3348	11.5186
Sr 216.596	38.8249	38.9049	37.0111
Ti 334.941	231.280	225.478	221.117
Tl 190.794	2.7241u	3.0194u	2.9254u
V 292.401	187.193	181.455	177.962
Zn 206.200	213.906	204.720	200.535

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.2580	ppb	0.0591	22.9	-22.9668
Al 308.215	20350.1	ppb	577.467	2.8	115867

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Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
As 188.980	43.2983	ppb	2.2972	5.3	15.3586
B 249.678	4.8385	ppb	0.3111	6.4	24.8476
Ba 389.178	304.785	ppb	8.5158	2.8	6542.53
Be 313.042	2.8851	ppb	0.0897	3.1	3611.88
Ca 370.602	4938	ppb	129.5	2.6	16874
Cd 226.502	1.0363	ppb	0.5094	49.2	315.243
Co 228.615	42.5911	ppb	1.3605	3.2	322.678
Cr 267.716	144.712	ppb	3.8187	2.6	3728.34
Cu 324.754	36.2339	ppb	0.9908	2.7	1939.97
Fe 271.441	108637	ppb	2973.73	2.7	94523.9
K 766.491	798.599	ppb	20.8561	2.6	103621
Mg 279.078	1216.77	ppb	26.6390	2.2	2406.91
Mn 257.610	5794.08	ppb	145.455	2.5	799884
Mo 202.032	2.2444	ppb	0.2759	12.3	8.7523
Na 330.237	268.542	ppb	78.6708	29.3	16.6760
Ni 231.604	16.3473	ppb	0.3287	2.0	51.9739
Pb 220.353	140.939	ppb	1.9022	1.3	133.790
Sb 206.834	2.5536	ppb	5.7932	226.9	9.0737
Se 196.026	0.2963	ppb	2.9277	988.2	7.9173
Sn 189.925	11.3367	ppb	1.1003	9.7	1.4917
Sr 216.596	38.2469	ppb	1.0710	2.8	349.855
Ti 334.941	225.958	ppb	5.0986	2.3	79162.2
Tl 190.794	2.8896	ppb	0.1509	5.2	-10.7033
V 292.401	182.203	ppb	4.6611	2.6	5906.32
Zn 206.200	206.387	ppb	6.8394	3.3	418.731

680-104968-b-15-a^10 (Samp) **9/12/2014, 12:54:44 PM** **Rack 1, Tube 33**

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

Label	Replicates Concentration		
Ag 328.068	-0.4866u	-0.4497u	-0.3858u
Al 308.215	32370.2	31325.5	30255.0
As 188.980	49.1503	45.8262	46.7745
B 249.678	3.8988u	3.6384u	3.3233u
Ba 389.178	165.020	158.956	153.449
Be 313.042	4.2926	4.1630	4.0140
Ca 370.602	2195	2150	2101
Cd 226.502	1.0756	0.8869	0.1374
Co 228.615	25.9418	25.8697	25.3643
Cr 267.716	165.288	159.807	154.703
Cu 324.754	16.0144	15.6959	15.2690
Fe 271.441	168836	163588	158136
K 766.491	567.893	555.307	537.602
Mg 279.078	1445.16	1398.35	1368.17
Mn 257.610	1846.05	1788.47	1728.70
Mo 202.032	0.8355u	1.0790u	2.1413u
Na 330.237	240.428u	349.713u	146.324u
Ni 231.604	12.4460	12.3947	10.9422
Pb 220.353	62.6973	63.2428	58.5100
Sb 206.834	0.4701	-1.9970u	-0.3805
Se 196.026	14.8766	5.7411	1.1440
Sn 189.925	9.7458	2.0476	5.3522
Sr 216.596	26.2274	23.8294	22.1253
Ti 334.941	183.882	178.038	172.048

Label	Replicates Concentration		
Tl 190.794	5.4550u	11.4585u	12.3503u
V 292.401	281.581	273.214	263.784
Zn 206.200	79.3939	77.2332	73.3111

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.4407	ppb	0.0510	11.6	-49.8232
Al 308.215	31316.9	ppb	1057.60	3.4	178099
As 188.980	47.2503	ppb	1.7124	3.6	16.8233
B 249.678	3.6201	ppb	0.2882	8.0	-28.4024
Ba 389.178	159.142	ppb	5.7880	3.6	3591.27
Be 313.042	4.1565	ppb	0.1394	3.4	6621.52
Ca 370.602	2149	ppb	46.95	2.2	5770
Cd 226.502	0.7000	ppb	0.4962	70.9	442.600
Co 228.615	25.7253	ppb	0.3146	1.2	195.587
Cr 267.716	159.933	ppb	5.2937	3.3	4119.12
Cu 324.754	15.6598	ppb	0.3740	2.4	951.791
Fe 271.441	163520	ppb	5350.62	3.3	142264
K 766.491	553.601	ppb	15.2175	2.7	72395.3
Mg 279.078	1403.90	ppb	38.7935	2.8	2696.91
Mn 257.610	1787.74	ppb	58.6789	3.3	247096
Mo 202.032	1.3519	ppb	0.6944	51.4	-0.5693
Na 330.237	245.488	ppb	101.789	41.5	-7.5209
Ni 231.604	11.9276	ppb	0.8538	7.2	41.7809
Pb 220.353	61.4834	ppb	2.5894	4.2	56.1570
Sb 206.834	-0.6358	ppb	1.2532	197.1	6.5550
Se 196.026	7.2539	ppb	6.9902	96.4	10.4662
Sn 189.925	5.7152	ppb	3.8619	67.6	-1.5212
Sr 216.596	24.0607	ppb	2.0608	8.6	283.424
Ti 334.941	177.989	ppb	5.9175	3.3	62351.3
Tl 190.794	9.7546	ppb	3.7501	38.4	-11.5263
V 292.401	272.860	ppb	8.9042	3.3	8843.77
Zn 206.200	76.6461	ppb	3.0836	4.0	158.472

680-104968-b-16-a^10 (Samp) **9/12/2014, 12:59:12 PM** **Rack 1, Tube 34**

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

Label	Replicates Concentration		
Ag 328.068	1.0332	0.8059	1.0430
Al 308.215	16870.9	16314.2	15754.9
As 188.980	54.5969	50.9679	51.1111
B 249.678	13.0711	12.8517	12.5656
Ba 389.178	717.944	693.564	670.486
Be 313.042	1.9881	1.9168	1.8451
Ca 370.602	12616	12218	11811
Cd 226.502	1.6027	1.5693	1.5646
Co 228.615	16.6902	16.2112	15.9593
Cr 267.716	68.6479	66.2005	63.7086
Cu 324.754	526.330	509.015	490.669
Fe 271.441	47650.3	46143.2	44520.4
K 766.491	1649.39	1604.54	1552.77
Mg 279.078	1634.56	1587.05	1532.35
Mn 257.610	1078.72	1044.86	1009.50
Mo 202.032	3.8899	3.7165	3.8623
Na 330.237	196.822u	295.264u	443.609u

Label	Replicates Concentration		
Ni 231.604	27.0545	26.4479	25.3191
Pb 220.353	3193.44	3082.83	2985.51
Sb 206.834	120.244	116.043	115.881
Se 196.026	8.4057	0.9374	8.2435
Sn 189.925	131.577	125.920	122.966
Sr 216.596	156.747	151.453	145.967
Ti 334.941	360.818	349.431	337.296
Tl 190.794	4.2480u	2.2769u	-2.9215u
V 292.401	80.7038	78.0757	75.7396
Zn 206.200	721.183	694.523	673.382

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	0.9607	ppb	0.1342	14.0	25.8407
Al 308.215	16313.3	ppb	558.002	3.4	92956.5
As 188.980	52.2253	ppb	2.0551	3.9	19.9301
B 249.678	12.8295	ppb	0.2535	2.0	177.455
Ba 389.178	693.998	ppb	23.7320	3.4	14580.4
Be 313.042	1.9166	ppb	0.0715	3.7	1312.79
Ca 370.602	12215	ppb	402.7	3.3	44743
Cd 226.502	1.5789	ppb	0.0207	1.3	174.926
Co 228.615	16.2869	ppb	0.3713	2.3	120.660
Cr 267.716	66.1857	ppb	2.4696	3.7	1709.22
Cu 324.754	508.671	ppb	17.8332	3.5	24680.8
Fe 271.441	46104.6	ppb	1565.28	3.4	40126.7
K 766.491	1602.24	ppb	48.3503	3.0	206048
Mg 279.078	1584.65	ppb	51.1484	3.2	3313.71
Mn 257.610	1044.36	ppb	34.6171	3.3	144254
Mo 202.032	3.8229	ppb	0.0931	2.4	22.4508
Na 330.237	311.898	ppb	124.231	39.8	43.1308
Ni 231.604	26.2738	ppb	0.8807	3.4	76.9744
Pb 220.353	3087.26	ppb	104.033	3.4	2977.02
Sb 206.834	117.389	ppb	2.4731	2.1	103.590
Se 196.026	5.8622	ppb	4.2658	72.8	8.4137
Sn 189.925	126.821	ppb	4.3760	3.5	63.3860
Sr 216.596	151.389	ppb	5.3900	3.6	1126.62
Ti 334.941	349.182	ppb	11.7628	3.4	122361
Tl 190.794	1.2011	ppb	3.7038	308.4	-8.0659
V 292.401	78.1730	ppb	2.4836	3.2	2540.53
Zn 206.200	696.363	ppb	23.9533	3.4	1404.79

680-104968-b-17-a^10 (Samp) **9/12/2014, 1:03:41 PM** **Rack 1, Tube 35**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Replicates Concentration		
Ag 328.068	-0.2612u	-0.4421u	-0.3987u
Al 308.215	18803.1	18488.4	18268.3
As 188.980	40.4727	50.8521	44.0729
B 249.678	2.4075u	3.3973u	3.3168u
Ba 389.178	518.084	508.953	501.680
Be 313.042	2.9043	2.8515	2.8026
Ca 370.602	1968	1931	1921
Cd 226.502	1.2989	0.4921	0.7060
Co 228.615	52.5569	51.1028	51.5040
Cr 267.716	231.710	226.932	224.325

Label	Replicates Concentration		
Cu 324.754	44.9475	43.8619	44.4161
Fe 271.441	122003	119997	118419
K 766.491	393.676	386.029	381.372
Mg 279.078	716.052	706.860	710.833
Mn 257.610	6798.29	6687.07	6607.07
Mo 202.032	6.9053	7.1250	5.9951
Na 330.237	209.360u	406.477u	322.432u
Ni 231.604	18.4317	19.1824	17.0158
Pb 220.353	323.701	325.231	316.165
Sb 206.834	2.4639	14.3155	13.8629
Se 196.026	9.3791	1.4908	-2.5254
Sn 189.925	10.2138	6.5073	10.1858
Sr 216.596	22.9586	21.8949	21.5800
Ti 334.941	210.312	206.525	204.276
Tl 190.794	9.0437u	7.6993u	4.3045u
V 292.401	216.674	215.323	212.676
Zn 206.200	124.313	123.328	120.615

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.3673	ppb	0.0944	25.7	-26.2349
Al 308.215	18519.9	ppb	268.806	1.5	105484
As 188.980	45.1326	ppb	5.2702	11.7	16.1346
B 249.678	3.0405	ppb	0.5497	18.1	-7.3326
Ba 389.178	509.573	ppb	8.2195	1.6	10848.4
Be 313.042	2.8528	ppb	0.0508	1.8	3543.41
Ca 370.602	1940	ppb	24.80	1.3	5596
Cd 226.502	0.8324	ppb	0.4180	50.2	337.885
Co 228.615	51.7212	ppb	0.7510	1.5	392.589
Cr 267.716	227.656	ppb	3.7453	1.6	5861.66
Cu 324.754	44.4085	ppb	0.5429	1.2	2336.50
Fe 271.441	120140	ppb	1795.96	1.5	104530
K 766.491	387.025	ppb	6.2121	1.6	51164.6
Mg 279.078	711.248	ppb	4.6098	0.6	1307.93
Mn 257.610	6697.48	ppb	96.0343	1.4	924581
Mo 202.032	6.6751	ppb	0.5991	9.0	32.1362
Na 330.237	312.756	ppb	98.9140	31.6	14.8332
Ni 231.604	18.2100	ppb	1.1002	6.0	57.4639
Pb 220.353	321.699	ppb	4.8535	1.5	308.174
Sb 206.834	10.2141	ppb	6.7157	65.7	15.8507
Se 196.026	2.7815	ppb	6.0563	217.7	9.0271
Sn 189.925	8.9690	ppb	2.1319	23.8	0.2227
Sr 216.596	22.1445	ppb	0.7224	3.3	240.396
Ti 334.941	207.038	ppb	3.0508	1.5	72528.5
Tl 190.794	7.0158	ppb	2.4424	34.8	-9.0917
V 292.401	214.891	ppb	2.0336	0.9	6955.77
Zn 206.200	122.752	ppb	1.9154	1.6	250.270

680-104968-b-20-a^10 (Samp) **9/12/2014, 1:08:10 PM** **Rack 1, Tube 36**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Replicates Concentration		
Ag 328.068	0.3999	-0.0677	0.4206
Al 308.215	18789.1	18760.6	18768.5
As 188.980	29.8493	30.7371	27.4376

Label	Replicates Concentration		
B 249.678	9.7456	9.6813	10.3640
Ba 389.178	300.840	298.397	299.833
Be 313.042	3.0878	3.0834	3.0629
Ca 370.602	24522	24490	24535
Cd 226.502	2.2969	2.2695	2.2411
Co 228.615	21.3765	21.5821	21.5713
Cr 267.716	48.0231	47.9989	48.1746
Cu 324.754	65.6080	65.3367	64.9758
Fe 271.441	59784.2	59700.2	59646.8
K 766.491	2096.21	2089.81	2087.03
Mg 279.078	5670.57	5664.12	5664.59
Mn 257.610	4677.80	4661.67	4676.94
Mo 202.032	3.4281	2.9019	2.2522
Na 330.237	321.263u	383.942u	431.381u
Ni 231.604	20.1194	22.2658	20.1487
Pb 220.353	302.945	305.092	307.414
Sb 206.834	-3.6264u	3.7292	5.0879
Se 196.026	-1.5429	-7.0544u	2.2780
Sn 189.925	20.7814	15.8861	16.0896
Sr 216.596	56.2123	56.5051	57.0603
Ti 334.941	197.088	197.006	196.929
Tl 190.794	1.1597u	-0.4267u	3.3420u
V 292.401	46.0957	45.9731	45.8689
Zn 206.200	885.236	885.661	887.959

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	0.2509	ppb	0.2761	110.1	2.1675
Al 308.215	18772.7	ppb	14.6811	0.1	106910
As 188.980	29.3413	ppb	1.7074	5.8	9.2049
B 249.678	9.9303	ppb	0.3770	3.8	127.229
Ba 389.178	299.690	ppb	1.2279	0.4	6360.25
Be 313.042	3.0780	ppb	0.0133	0.4	4030.61
Ca 370.602	24515	ppb	23.27	0.1	90142
Cd 226.502	2.2691	ppb	0.0279	1.2	228.619
Co 228.615	21.5100	ppb	0.1158	0.5	158.973
Cr 267.716	48.0655	ppb	0.0952	0.2	1243.39
Cu 324.754	65.3068	ppb	0.3172	0.5	3323.45
Fe 271.441	59710.4	ppb	69.3057	0.1	51962.1
K 766.491	2091.02	ppb	4.7101	0.2	268345
Mg 279.078	5666.42	ppb	3.5948	0.1	11978.4
Mn 257.610	4672.14	ppb	9.0743	0.2	644968
Mo 202.032	2.8607	ppb	0.5890	20.6	16.1064
Na 330.237	378.862	ppb	55.2346	14.6	42.9883
Ni 231.604	20.8446	ppb	1.2308	5.9	62.5877
Pb 220.353	305.150	ppb	2.2354	0.7	292.749
Sb 206.834	1.7302	ppb	4.6885	271.0	7.7801
Se 196.026	-2.1064	ppb	4.6917	222.7	6.4032
Sn 189.925	17.5857	ppb	2.7694	15.7	4.8410
Sr 216.596	56.5926	ppb	0.4307	0.8	453.849
Ti 334.941	197.008	ppb	0.0791	0.0	69013.6
Tl 190.794	1.3583	ppb	1.8922	139.3	-8.4092
V 292.401	45.9793	ppb	0.1135	0.2	1509.94
Zn 206.200	886.285	ppb	1.4646	0.2	1787.78

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Cont Calib Verif (CCV) **9/12/2014, 1:12:38 PM** **Rack 1, Tube 37**

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

Label	Replicates Concentration		
Ag 328.068	491.671	493.462	494.503
Al 308.215	4872.65	4892.15	4890.87
As 188.980	477.933	484.315	476.980
B 249.678	500.167	502.056	504.051
Ba 389.178	4834.88	4852.00	4846.29
Be 313.042	487.190	489.717	488.501
Ca 370.602	4812	4828	4829
Cd 226.502	485.892	487.302	486.900
Co 228.615	485.441	484.584	486.474
Cr 267.716	4840.26	4852.86	4849.44
Cu 324.754	4999.19	5018.57	4963.46
Fe 271.441	4928.09	4932.54	4914.05
K 766.491	10095.8	10126.1	10100.0
Mg 279.078	4834.87	4850.36	4838.60
Mn 257.610	4945.00	4957.72	4952.40
Mo 202.032	486.496	485.351	485.193
Na 330.237	7391.09	7390.78	7320.89
Ni 231.604	2423.12	2440.33	2443.86
Pb 220.353	497.804	505.072	493.185
Sb 206.834	951.699	957.697	970.409
Se 196.026	4968.38	5000.64	4966.46
Sn 189.925	4774.66	4785.62	4799.47
Sr 216.596	2389.08	2397.56	2390.58
Ti 334.941	482.285	483.578	483.341
Tl 190.794	4923.62	4933.83	4939.48
V 292.401	4873.83	4881.51	4874.09
Zn 206.200	2376.69	2392.53	2393.02

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Ag 328.068	493.212	ppb	1.4323	0.3	23866.2	98.64238
Al 308.215	4885.22	ppb	10.9096	0.2	28385.1	97.70444
As 188.980	479.743	ppb	3.9884	0.8	218.971	95.94859
B 249.678	502.091	ppb	1.9425	0.4	6924.38	100.41830
Ba 389.178	4844.39	ppb	8.7164	0.2	101406	96.88781
Be 313.042	488.469	ppb	1.2643	0.3	1143265	97.69389
Ca 370.602	4823	ppb	9.459	0.2	17920	96.45483
Cd 226.502	486.698	ppb	0.7262	0.1	14095.6	97.33958
Co 228.615	485.500	ppb	0.9463	0.2	3696.76	97.09991
Cr 267.716	4847.52	ppb	6.5162	0.1	124662	96.95042
Cu 324.754	4993.74	ppb	27.9586	0.6	240592	99.87479
Fe 271.441	4924.89	ppb	9.6495	0.2	4352.92	98.49789
K 766.491	10107.3	ppb	16.4072	0.2	1290049	101.07300
Mg 279.078	4841.28	ppb	8.0866	0.2	10329.4	96.82553
Mn 257.610	4951.71	ppb	6.3862	0.1	683429	99.03415
Mo 202.032	485.680	ppb	0.7112	0.1	2667.55	97.13601
Na 330.237	7367.59	ppb	40.4424	0.5	469.282	98.23452
Ni 231.604	2435.77	ppb	11.0953	0.5	6667.91	97.43071
Pb 220.353	498.687	ppb	5.9928	1.2	482.276	99.73741
Sb 206.834	959.935	ppb	9.5536	1.0	822.145	95.99351
Se 196.026	4978.49	ppb	19.2065	0.4	1718.25	99.56986
Sn 189.925	4786.59	ppb	12.4352	0.3	2560.81	95.73171
Sr 216.596	2392.40	ppb	4.5259	0.2	17198.7	95.69609

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Ti 334.941	483.068	ppb	0.6880	0.1	169306	96.61360
Tl 190.794	4932.31	ppb	8.0391	0.2	2648.11	98.64623
V 292.401	4876.48	ppb	4.3608	0.1	156453	97.52953
Zn 206.200	2387.41	ppb	9.2895	0.4	4799.68	95.49647

Cont Calib Blank (CCB) **9/12/2014, 1:17:04 PM** **Rack 1, Tube 38**

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

Label	Replicates Concentration		
Ag 328.068	0.5119	0.3830	0.0651
Al 308.215	-3.9536u	-4.8501u	-5.3050u
As 188.980	0.6303	2.6655	0.4192
B 249.678	6.5022	4.8548	4.7301
Ba 389.178	0.4377	0.9720	1.6923
Be 313.042	-0.0230u	-0.0248u	-0.0118u
Ca 370.602	-0.8475u	-0.8092u	-1.918u
Cd 226.502	0.0687	0.2057	0.2560
Co 228.615	0.2780	0.3136	0.1093
Cr 267.716	0.0908	0.1661	0.1609
Cu 324.754	1.2100	0.9123	0.8763
Fe 271.441	-0.3683u	-0.3080u	-0.6381u
K 766.491	-1.1772u	-1.2170u	-1.1651u
Mg 279.078	-4.9122u	-1.0018u	-1.6605u
Mn 257.610	0.4133	0.3088	0.2437
Mo 202.032	0.2124	1.3375	0.4826
Na 330.237	96.8181	-1.5004u	85.2875
Ni 231.604	0.3869	0.5425	0.4068
Pb 220.353	1.0468	-1.6777u	1.7518
Sb 206.834	1.5703	5.0878	1.5483
Se 196.026	3.5904	5.9518	9.0645
Sn 189.925	0.2156	0.4243	1.6451
Sr 216.596	0.1463	-0.3165u	0.4595
Ti 334.941	0.1926	0.2021	0.1507
Tl 190.794	1.1572	3.0241	3.0455
V 292.401	0.4480	0.7048	0.2836
Zn 206.200	0.2580	0.1024	0.0085

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Ag 328.068	0.3200	ppb	0.2300	71.9	-4.1717	0.32002
Al 308.215	-4.7029	ppb	0.6876	14.6	361.720	-4.70289
As 188.980	1.2383	ppb	1.2404	100.2	-3.4508	1.23833
B 249.678	5.3624	ppb	0.9891	18.4	104.237	5.36238
Ba 389.178	1.0340	ppb	0.6296	60.9	-10.9764	1.03399
Be 313.042	-0.0199	ppb	0.0071	35.5	-3255.01	-0.01986
Ca 370.602	-1.191	ppb	0.6292	52.8	-5.921	-1.19145
Cd 226.502	0.1768	ppb	0.0970	54.8	19.2044	0.17680
Co 228.615	0.2337	ppb	0.1091	46.7	-9.0878	0.23366
Cr 267.716	0.1393	ppb	0.0420	30.2	10.8583	0.13927
Cu 324.754	0.9995	ppb	0.1831	18.3	254.449	0.99953
Fe 271.441	-0.4382	ppb	0.1758	40.1	20.1111	-0.43817
K 766.491	-1.1864	ppb	0.0272	2.3	1685.60	-1.18643
Mg 279.078	-2.5248	ppb	2.0936	82.9	25.2302	-2.52482
Mn 257.610	0.3219	ppb	0.0856	26.6	61.1545	0.32194
Mo 202.032	0.6775	ppb	0.5873	86.7	8.9099	0.67753

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Na 330.237	60.2018	ppb	53.7457	89.3	55.9807	60.20176
Ni 231.604	0.4454	ppb	0.0847	19.0	4.7092	0.44538
Pb 220.353	0.3736	ppb	1.8111	484.7	0.1183	0.37363
Sb 206.834	2.7355	ppb	2.0372	74.5	8.3398	2.73546
Se 196.026	6.2023	ppb	2.7457	44.3	7.7274	6.20225
Sn 189.925	0.7617	ppb	0.7722	101.4	-4.1759	0.76166
Sr 216.596	0.0964	ppb	0.3904	404.9	1.6293	0.09643
Ti 334.941	0.1818	ppb	0.0274	15.1	-22.1947	0.18179
Tl 190.794	2.4089	ppb	1.0841	45.0	-4.3434	2.40895
V 292.401	0.4788	ppb	0.2123	44.3	23.0903	0.47881
Zn 206.200	0.1230	ppb	0.1260	102.5	1.1548	0.12298

680-104926-e-1-a^10 (Samp) **9/12/2014, 1:21:31 PM** **Rack 1, Tube 39**

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

Label	Replicates Concentration		
Ag 328.068	0.0936	0.3597	0.1631
Al 308.215	12.3707	12.2849	7.8677
As 188.980	-2.2846u	-0.3954u	-0.2054u
B 249.678	21.8511	20.8971	20.4982
Ba 389.178	5.4743	4.8479	4.9484
Be 313.042	-0.0562u	-0.0640u	-0.0481u
Ca 370.602	13634	13287	12916
Cd 226.502	-0.1886u	0.0835	-0.0214u
Co 228.615	0.9125	0.1536	0.1331
Cr 267.716	-0.4056u	0.0795	0.0880
Cu 324.754	0.6680	0.8204	0.9079
Fe 271.441	-3.4283u	-20.3194u	-7.7986u
K 766.491	467.973	456.639	443.191
Mg 279.078	1136.20	1110.26	1079.23
Mn 257.610	0.6979	0.5565	0.6009
Mo 202.032	0.6743	0.4731	0.3029
Na 330.237	18672.4	18315.9	17430.8
Ni 231.604	0.9327	0.6266	0.2358
Pb 220.353	5.3020	-1.9166u	1.4672
Sb 206.834	-0.5488u	5.9656	4.4837
Se 196.026	-4.5610u	2.5001	-4.4731u
Sn 189.925	-0.5299u	1.8162	-0.6171u
Sr 216.596	83.7385	83.2178	79.9582
Ti 334.941	0.4739	0.4406	0.4301
Tl 190.794	3.2991	-2.5988u	-3.2967u
V 292.401	-0.0005u	-0.1452u	0.1384
Zn 206.200	1.2478	0.8985	0.4323

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	0.2055	ppb	0.1380	67.2	-9.7350
Al 308.215	10.8411	ppb	2.5754	23.8	449.892
As 188.980	-0.9618	ppb	1.1495	119.5	-4.4730
B 249.678	21.0821	ppb	0.6952	3.3	319.791
Ba 389.178	5.0902	ppb	0.3364	6.6	76.6669
Be 313.042	-0.0561	ppb	0.0080	14.2	-3336.86
Ca 370.602	13279	ppb	358.9	2.7	49245
Cd 226.502	-0.0422	ppb	0.1372	325.6	12.7807
Co 228.615	0.3997	ppb	0.4441	111.1	-7.8120

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Cr 267.716	-0.0793	ppb	0.2825	356.1	5.3830
Cu 324.754	0.7988	ppb	0.1214	15.2	232.063
Fe 271.441	-10.5154	ppb	8.7671	83.4	11.3247
K 766.491	455.934	ppb	12.4060	2.7	59947.3
Mg 279.078	1108.57	ppb	28.5226	2.6	2391.11
Mn 257.610	0.6184	ppb	0.0723	11.7	108.364
Mo 202.032	0.4834	ppb	0.1859	38.5	7.8463
Na 330.237	18139.7	ppb	639.288	3.5	1120.06
Ni 231.604	0.5984	ppb	0.3493	58.4	5.1272
Pb 220.353	1.6175	ppb	3.6116	223.3	1.3178
Sb 206.834	3.3002	ppb	3.4146	103.5	8.8080
Se 196.026	-2.1780	ppb	4.0516	186.0	4.9138
Sn 189.925	0.2230	ppb	1.3804	618.9	-4.4611
Sr 216.596	82.3048	ppb	2.0489	2.5	598.155
Ti 334.941	0.4482	ppb	0.0229	5.1	72.0727
Tl 190.794	-0.8655	ppb	3.6235	418.7	-6.1019
V 292.401	-0.0024	ppb	0.1418	5829.8	7.5367
Zn 206.200	0.8595	ppb	0.4091	47.6	2.6392

680-104926-e-3-a^10 (Samp) **9/12/2014, 1:25:58 PM** **Rack 1, Tube 40**

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

Label	Replicates Concentration		
Ag 328.068	0.2202	-0.1948u	-0.0769u
Al 308.215	1.2322	2.4140	1.4830
As 188.980	-5.8321u	4.2546	-10.1752u
B 249.678	22.3559	21.8062	21.2137
Ba 389.178	6.8971	7.8650	7.4448
Be 313.042	-0.0566u	-0.0555u	-0.0507u
Ca 370.602	17760	17227	16667
Cd 226.502	-0.1773u	-0.0227	-0.0315
Co 228.615	-0.8265u	0.0575	-0.6297u
Cr 267.716	-0.1086u	-0.2135u	0.1305
Cu 324.754	0.6649	0.8252	0.7215
Fe 271.441	741.612	728.685	701.961
K 766.491	446.890	433.946	419.181
Mg 279.078	1109.58	1078.45	1043.15
Mn 257.610	17.2066	16.7606	16.2721
Mo 202.032	0.3312	0.5411	-0.6821u
Na 330.237	20340.6	19875.5	19044.3
Ni 231.604	-0.8413u	1.1199	0.2456
Pb 220.353	4.9198	0.3639	1.9247
Sb 206.834	2.0284	-3.6249u	1.3666
Se 196.026	-6.3366u	4.3206	-5.4415u
Sn 189.925	5.2183	-4.8068u	0.7279
Sr 216.596	106.799	101.724	100.060
Ti 334.941	0.1785	0.1799	0.1823
Tl 190.794	0.7967	1.6796	-1.3201u
V 292.401	-0.0355u	0.4658	-0.2231u
Zn 206.200	6.9435	7.0611	6.0536

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.0172	ppb	0.2138	1245.8	-20.5237
Al 308.215	1.7097	ppb	0.6226	36.4	398.049

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
As 188.980	-3.9175	ppb	7.4030	189.0	-5.8515
B 249.678	21.7919	ppb	0.5712	2.6	329.007
Ba 389.178	7.4023	ppb	0.4854	6.6	126.272
Be 313.042	-0.0543	ppb	0.0032	5.8	-3331.14
Ca 370.602	17218	ppb	546.5	3.2	63841
Cd 226.502	-0.0771	ppb	0.0868	112.5	13.5814
Co 228.615	-0.4663	ppb	0.4641	99.5	-14.3915
Cr 267.716	-0.0639	ppb	0.1763	275.9	5.7943
Cu 324.754	0.7372	ppb	0.0813	11.0	225.330
Fe 271.441	724.086	ppb	20.2217	2.8	650.297
K 766.491	433.339	ppb	13.8646	3.2	57067.4
Mg 279.078	1077.06	ppb	33.2347	3.1	2322.58
Mn 257.610	16.7465	ppb	0.4674	2.8	2335.56
Mo 202.032	0.0634	ppb	0.6541	1031.1	5.4837
Na 330.237	19753.4	ppb	656.704	3.3	1214.71
Ni 231.604	0.1747	ppb	0.9825	562.3	3.9933
Pb 220.353	2.4028	ppb	2.3153	96.4	2.0689
Sb 206.834	-0.0766	ppb	3.0906	4032.5	6.0216
Se 196.026	-2.4859	ppb	5.9115	237.8	4.8397
Sn 189.925	0.3798	ppb	5.0216	1322.2	-4.3767
Sr 216.596	102.861	ppb	3.5104	3.4	747.949
Ti 334.941	0.1802	ppb	0.0019	1.1	-22.0026
Tl 190.794	0.3854	ppb	1.5416	400.0	-5.4781
V 292.401	0.0691	ppb	0.3562	515.7	10.2236
Zn 206.200	6.6861	ppb	0.5509	8.2	14.3941

680-104926-c-6-a^10 (Samp) **9/12/2014, 1:30:25 PM** **Rack 1, Tube 41**

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

Label	Replicates Concentration		
Ag 328.068	1.1553	0.8084	1.1877
Al 308.215	-2.7093u	1.1956	-0.4386u
As 188.980	1.0673	6.3533	4.8665
B 249.678	18.0002	17.7146	17.3130
Ba 389.178	2.9183	3.9200	3.1699
Be 313.042	-0.0459u	-0.0637u	-0.0506u
Ca 370.602	9890	9880	9890
Cd 226.502	0.1151	-0.0354	0.0205
Co 228.615	0.6848	0.4144	0.6356
Cr 267.716	-0.0172u	-0.2675u	-0.2556u
Cu 324.754	4.0361	4.2007	4.1473
Fe 271.441	1178.43	1176.20	1175.37
K 766.491	661.903	661.502	661.962
Mg 279.078	1726.19	1735.70	1734.92
Mn 257.610	47.8136	47.7751	48.0160
Mo 202.032	-0.1048u	0.1900	0.0237
Na 330.237	19475.0	19953.0	19919.5
Ni 231.604	-0.1093u	1.6820	-1.5368u
Pb 220.353	0.5244	5.6172	-3.1699u
Sb 206.834	-0.1368u	-2.5764u	-3.8497u
Se 196.026	6.0717	5.3534	-4.6559u
Sn 189.925	-2.1596u	0.3751	0.2157
Sr 216.596	85.2708	84.7448	85.1008
Ti 334.941	0.1033	0.1100	0.1341

Label	Replicates Concentration		
Tl 190.794	6.9487	-3.3986u	-1.7791u
V 292.401	-0.0004	0.1463	0.1852
Zn 206.200	2.8432	1.9650	3.5901

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	1.0505	ppb	0.2102	20.0	31.1799
Al 308.215	-0.6508	ppb	1.9611	301.3	384.652
As 188.980	4.0957	ppb	2.7260	66.6	-2.1311
B 249.678	17.6759	ppb	0.3453	2.0	272.258
Ba 389.178	3.3361	ppb	0.5211	15.6	43.5864
Be 313.042	-0.0534	ppb	0.0092	17.3	-3332.15
Ca 370.602	9886	ppb	5.887	0.1	36647
Cd 226.502	0.0334	ppb	0.0761	227.6	17.9246
Co 228.615	0.5783	ppb	0.1441	24.9	-6.3911
Cr 267.716	-0.1801	ppb	0.1412	78.4	2.8052
Cu 324.754	4.1281	ppb	0.0840	2.0	395.630
Fe 271.441	1176.67	ppb	1.5826	0.1	1044.04
K 766.491	661.789	ppb	0.2505	0.0	86184.2
Mg 279.078	1732.27	ppb	5.2765	0.3	3716.82
Mn 257.610	47.8683	ppb	0.1294	0.3	6635.23
Mo 202.032	0.0363	ppb	0.1478	407.4	5.2982
Na 330.237	19782.5	ppb	266.803	1.3	1216.23
Ni 231.604	0.0119	ppb	1.6128	13499.8	3.5637
Pb 220.353	0.9906	ppb	4.4121	445.4	0.7015
Sb 206.834	-2.1876	ppb	1.8868	86.2	4.2733
Se 196.026	2.2564	ppb	5.9970	265.8	6.4429
Sn 189.925	-0.5229	ppb	1.4196	271.5	-4.8605
Sr 216.596	85.0388	ppb	0.2684	0.3	617.977
Ti 334.941	0.1158	ppb	0.0162	14.0	-43.1557
Tl 190.794	0.5903	ppb	5.5658	942.8	-5.3940
V 292.401	0.1104	ppb	0.0979	88.7	11.7550
Zn 206.200	2.7995	ppb	0.8134	29.1	6.5735

680-104926-c-7-a^10 (Samp) **9/12/2014, 1:34:53 PM** **Rack 1, Tube 42**

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

Label	Replicates Concentration		
Ag 328.068	0.2651	0.0948	0.5502
Al 308.215	-0.8328u	1.5808	0.9276
As 188.980	-2.3123u	-4.4586u	-1.9963u
B 249.678	17.7181	18.2051	17.5254
Ba 389.178	5.8878	5.8771	5.4208
Be 313.042	-0.0497u	-0.0510u	-0.0443u
Ca 370.602	13586	13537	13448
Cd 226.502	0.1468	-0.0833u	0.0394
Co 228.615	0.1242	0.3535	0.2318
Cr 267.716	-0.0727u	0.0930	0.1122
Cu 324.754	2.0994	2.2380	2.0671
Fe 271.441	625.024	634.459	626.457
K 766.491	430.459	429.121	426.228
Mg 279.078	1038.88	1028.21	1025.61
Mn 257.610	14.2574	14.2436	14.2525
Mo 202.032	0.1104	-0.0915u	0.2814
Na 330.237	17247.0	17344.3	17434.4

Label	Replicates Concentration		
Ni 231.604	-0.7841u	0.7738	0.0406
Pb 220.353	-0.0210u	4.6654	0.6633
Sb 206.834	-4.5481u	-4.3673u	-3.4157u
Se 196.026	8.6096	-2.3835u	9.1389
Sn 189.925	-1.2367u	-1.5954u	-0.4452u
Sr 216.596	80.1904	79.7959	79.6241
Ti 334.941	0.1540	0.1273	0.0984
Tl 190.794	-3.1111u	1.6657	5.3451
V 292.401	0.0256	0.1319	0.0387
Zn 206.200	32.0529	32.0317	31.9776

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	0.3034	ppb	0.2301	75.8	-5.0150
Al 308.215	0.5585	ppb	1.2484	223.5	391.516
As 188.980	-2.9224	ppb	1.3397	45.8	-5.3885
B 249.678	17.8162	ppb	0.3503	2.0	274.525
Ba 389.178	5.7286	ppb	0.2666	4.7	90.9651
Be 313.042	-0.0484	ppb	0.0035	7.3	-3318.54
Ca 370.602	13524	ppb	70.41	0.5	50142
Cd 226.502	0.0343	ppb	0.1151	335.8	16.5902
Co 228.615	0.2365	ppb	0.1148	48.5	-9.0279
Cr 267.716	0.0442	ppb	0.1017	230.2	8.5555
Cu 324.754	2.1348	ppb	0.0908	4.3	296.168
Fe 271.441	628.647	ppb	5.0840	0.8	567.329
K 766.491	428.602	ppb	2.1626	0.5	56463.7
Mg 279.078	1030.90	ppb	7.0319	0.7	2224.48
Mn 257.610	14.2511	ppb	0.0070	0.0	1990.71
Mo 202.032	0.1001	ppb	0.1867	186.4	5.6920
Na 330.237	17341.9	ppb	93.7387	0.5	1072.74
Ni 231.604	0.0101	ppb	0.7794	7691.8	3.5399
Pb 220.353	1.7692	ppb	2.5314	143.1	1.4584
Sb 206.834	-4.1104	ppb	0.6084	14.8	2.6828
Se 196.026	5.1217	ppb	6.5051	127.0	7.4352
Sn 189.925	-1.0924	ppb	0.5885	53.9	-5.1662
Sr 216.596	79.8702	ppb	0.2904	0.4	581.071
Ti 334.941	0.1266	ppb	0.0278	22.0	-40.7243
Tl 190.794	1.2999	ppb	4.2399	326.2	-4.9804
V 292.401	0.0654	ppb	0.0580	88.6	10.0632
Zn 206.200	32.0207	ppb	0.0388	0.1	65.4367

mb 680-348444/1-a (Samp) **9/12/2014, 1:39:21 PM** **Rack 1, Tube 43**

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

Label	Replicates Concentration		
Ag 328.068	-0.1840u	-0.0052u	0.3640
Al 308.215	-1.4988u	-2.9331u	-3.5844u
As 188.980	-2.0085u	-0.3025u	-2.1875u
B 249.678	2.1264	1.5661	1.8815
Ba 389.178	-0.2398u	0.0211	0.1061
Be 313.042	-0.0512u	-0.0578u	-0.0582u
Ca 370.602	3.008	9.197	4.719
Cd 226.502	0.1401	0.0866	-0.0097u
Co 228.615	0.2570	-0.0092u	0.1952
Cr 267.716	0.1475	-0.1139u	0.1697

Label	Replicates Concentration		
Cu 324.754	0.9321	0.6943	0.6436
Fe 271.441	2.4053	8.0386	10.9602
K 766.491	-1.3882u	-1.0142u	-1.1177u
Mg 279.078	1.2594	-0.2913u	1.2103
Mn 257.610	-0.0719u	-0.0418u	-0.0483u
Mo 202.032	-0.0664u	-0.5949u	-0.0181u
Na 330.237	230.441	240.596	240.854
Ni 231.604	2.5365	1.0784	0.3461
Pb 220.353	4.9749	3.3836	3.9551
Sb 206.834	0.3188	-4.0963u	0.7671
Se 196.026	16.3973	13.6341	-0.1551u
Sn 189.925	1.4348	-1.2873u	-2.4405u
Sr 216.596	-0.2803u	0.2693	0.0424
Ti 334.941	0.1178	0.1003	0.0659
Tl 190.794	0.2525	-4.5666u	-3.9412u
V 292.401	0.0755	0.0366	0.0255
Zn 206.200	2.2423	2.4209	1.7726

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	0.0583	ppb	0.2794	479.5	-16.8358
Al 308.215	-2.6721	ppb	1.0671	39.9	373.165
As 188.980	-1.4995	ppb	1.0405	69.4	-4.7232
B 249.678	1.8580	ppb	0.2809	15.1	56.1498
Ba 389.178	-0.0375	ppb	0.1803	480.6	-33.3891
Be 313.042	-0.0557	ppb	0.0039	7.0	-3339.17
Ca 370.602	5.641	ppb	3.196	56.7	19.31
Cd 226.502	0.0723	ppb	0.0759	105.0	16.2016
Co 228.615	0.1476	ppb	0.1393	94.3	-9.7295
Cr 267.716	0.0677	ppb	0.1577	232.8	9.0237
Cu 324.754	0.7567	ppb	0.1540	20.4	242.740
Fe 271.441	7.1347	ppb	4.3485	60.9	26.6727
K 766.491	-1.1734	ppb	0.1931	16.5	1687.27
Mg 279.078	0.7261	ppb	0.8815	121.4	32.1385
Mn 257.610	-0.0540	ppb	0.0159	29.4	9.3008
Mo 202.032	-0.2265	ppb	0.3200	141.3	3.9494
Na 330.237	237.297	ppb	5.9387	2.5	66.3960
Ni 231.604	1.3203	ppb	1.1150	84.5	7.1032
Pb 220.353	4.1045	ppb	0.8061	19.6	3.7182
Sb 206.834	-1.0034	ppb	2.6878	267.9	5.2584
Se 196.026	9.9588	ppb	8.8672	89.0	9.0192
Sn 189.925	-0.7643	ppb	1.9898	260.3	-4.9937
Sr 216.596	0.0104	ppb	0.2762	2643.0	0.9972
Ti 334.941	0.0946	ppb	0.0264	27.9	-52.7509
Tl 190.794	-2.7518	ppb	2.6205	95.2	-7.1167
V 292.401	0.0459	ppb	0.0262	57.2	9.3779
Zn 206.200	2.1453	ppb	0.3349	15.6	5.2300

lcs 680-348444/2-a (Samp) **9/12/2014, 1:51:33 PM** **Rack 1, Tube 44**

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

Label	Replicates Concentration		
Ag 328.068	50.8837	51.1755	50.6097
Al 308.215	4898.57	4925.40	4901.18
As 188.980	97.0705	97.0176	100.066

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Label	Replicates Concentration		
B 249.678	195.569	199.222	197.889
Ba 389.178	97.6514	98.0691	98.3812
Be 313.042	50.1093	50.3393	50.1750
Ca 370.602	4772	4782	4776
Cd 226.502	49.0763	50.0846	49.0214
Co 228.615	49.7796	50.7574	50.2152
Cr 267.716	99.6722	100.190	99.3051
Cu 324.754	104.474	104.435	104.175
Fe 271.441	4977.86	4999.05	4965.08
K 766.491	4979.80	5017.17	4982.81
Mg 279.078	4759.47	4790.27	4782.39
Mn 257.610	515.078	517.460	516.075
Mo 202.032	97.5085	99.0614	97.8024
Na 330.237	5114.70	5278.20	5075.06
Ni 231.604	97.1380	99.3456	99.1409
Pb 220.353	49.3598	51.2347	45.9460
Sb 206.834	49.4457	55.3002	47.3469
Se 196.026	105.491	92.1517	111.427
Sn 189.925	198.021	193.720	191.895
Sr 216.596	96.6931	95.7305	95.1043
Ti 334.941	99.9004	100.475	100.015
Tl 190.794	36.5617	31.1673	41.0815
V 292.401	100.285	100.584	100.468
Zn 206.200	97.7092	97.0875	96.8782

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	50.8896	ppb	0.2829	0.6	2443.33
Al 308.215	4908.39	ppb	14.7958	0.3	28250.4
As 188.980	98.0514	ppb	1.7451	1.8	41.5236
B 249.678	197.560	ppb	1.8486	0.9	2736.77
Ba 389.178	98.0339	ppb	0.3662	0.4	2040.63
Be 313.042	50.2079	ppb	0.1185	0.2	114506
Ca 370.602	4776	ppb	4.901	0.1	17665
Cd 226.502	49.3941	ppb	0.5986	1.2	1454.40
Co 228.615	50.2507	ppb	0.4899	1.0	372.906
Cr 267.716	99.7226	ppb	0.4448	0.4	2571.72
Cu 324.754	104.361	ppb	0.1626	0.2	5225.56
Fe 271.441	4980.67	ppb	17.1563	0.3	4356.55
K 766.491	4993.26	ppb	20.7630	0.4	638246
Mg 279.078	4777.38	ppb	15.9981	0.3	10193.3
Mn 257.610	516.204	ppb	1.1963	0.2	71294.6
Mo 202.032	98.1241	ppb	0.8249	0.8	543.149
Na 330.237	5155.98	ppb	107.680	2.1	351.876
Ni 231.604	98.5415	ppb	1.2198	1.2	273.273
Pb 220.353	48.8468	ppb	2.6814	5.5	46.5652
Sb 206.834	50.6976	ppb	4.1218	8.1	47.0343
Se 196.026	103.023	ppb	9.8718	9.6	41.1791
Sn 189.925	194.545	ppb	3.1455	1.6	99.6841
Sr 216.596	95.8426	ppb	0.8003	0.8	693.144
Ti 334.941	100.130	ppb	0.3039	0.3	35034.0
Tl 190.794	36.2702	ppb	4.9635	13.7	13.6247
V 292.401	100.446	ppb	0.1507	0.2	3212.25
Zn 206.200	97.2250	ppb	0.4323	0.4	196.668

680-105091-a-1-a (Samp) **9/12/2014, 1:56:01 PM** **Rack 1, Tube 45**

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

Label	Replicates Concentration		
Ag 328.068	-0.3486u	0.0642	-0.1910u
Al 308.215	4748.55	4748.10	4748.34
As 188.980	-3.9476u	0.1508	-2.8823u
B 249.678	2477.72	2484.89	2489.29
Ba 389.178	10.8803	10.2692	10.9473
Be 313.042	-0.1664u	-0.1643u	-0.1562u
Ca 370.602	50567	50548	50600
Cd 226.502	0.3133	0.2129	0.4545
Co 228.615	0.0682	0.4588	0.8428
Cr 267.716	27.0979	26.6951	27.2540
Cu 324.754	7.2816	7.1713	7.7367
Fe 271.441	1.5015	-6.2794u	2.3524
K 766.491	7380.97	7370.61	7358.81
Mg 279.078	5941.47	5946.56	5940.17
Mn 257.610	49.8143	49.7216	49.7988
Mo 202.032	4.6138	5.7412	4.7572
Na 330.237	764967x	769842x	766768x
Ni 231.604	3.6109	4.4390	4.0810
Pb 220.353	6.6611	-1.5644u	6.5682
Sb 206.834	3.8528	-0.7850u	3.7208
Se 196.026	7.6833	4.9878	22.5310
Sn 189.925	-2.8771u	-1.3285u	0.0034
Sr 216.596	2283.04	2286.38	2284.33
Ti 334.941	0.5484	0.5529	0.5345
Tl 190.794	-8.2482u	-2.6430u	-11.8012u
V 292.401	1.0635	0.9633	0.9388
Zn 206.200	32.0126	29.9172	31.1669

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.1585b	ppb	0.2083	131.4	-27.2368
Al 308.215	4748.33b	ppb	0.2271	0.0	27331.4
As 188.980	-2.2264b	ppb	2.1265	95.5	-5.0597
B 249.678	2483.97b	ppb	5.8399	0.2	34088.5
Ba 389.178	10.6990b	ppb	0.3737	3.5	206.111
Be 313.042	-0.1623b	ppb	0.0054	3.3	-3663.63
Ca 370.602	50572b	ppb	26.45	0.1	187546
Cd 226.502	0.3269b	ppb	0.1214	37.1	20.7181
Co 228.615	0.4566b	ppb	0.3873	84.8	-7.4615
Cr 267.716	27.0157b	ppb	0.2884	1.1	708.513
Cu 324.754	7.3965b	ppb	0.2997	4.1	514.135
Fe 271.441	-0.8085b	ppb	4.7570	588.4	19.6790
K 766.491	7370.13b	ppb	11.0884	0.2	941187
Mg 279.078	5942.73b	ppb	3.3818	0.1	12684.5
Mn 257.610	49.7782b	ppb	0.0497	0.1	6918.29
Mo 202.032	5.0374b	ppb	0.6137	12.2	32.8330
Na 330.237	767192xb	ppb	2464.88	0.3	45206.1
Ni 231.604	4.0436b	ppb	0.4153	10.3	14.5553
Pb 220.353	3.8883b	ppb	4.7224	121.5	3.3286
Sb 206.834	2.2629b	ppb	2.6403	116.7	8.0424
Se 196.026	11.7340b	ppb	9.4471	80.5	9.8954
Sn 189.925	-1.4007b	ppb	1.4416	102.9	-5.1843
Sr 216.596	2284.58b	ppb	1.6834	0.1	16510.0

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ti 334.941	0.5452b	ppb	0.0096	1.8	53.9207
Tl 190.794	-7.5641b	ppb	4.6173	61.0	-9.7414
V 292.401	0.9885b	ppb	0.0661	6.7	30.5678
Zn 206.200	31.0323b	ppb	1.0542	3.4	63.3665

680-105091-a-2-a (Samp) **9/12/2014, 2:00:30 PM** **Rack 1, Tube 46**

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

Label	Replicates Concentration		
Ag 328.068	0.1187	-0.2296u	-0.0473u
Al 308.215	4988.19	4976.21	4979.45
As 188.980	2.8623	0.2033	0.7203
B 249.678	2595.68	2597.44	2598.33
Ba 389.178	10.3902	11.0918	10.9192
Be 313.042	-0.1739u	-0.1645u	-0.1783u
Ca 370.602	52582	52512	52485
Cd 226.502	0.4207	0.4937	0.4868
Co 228.615	0.0259	-0.3562u	0.5353
Cr 267.716	28.1486	28.4754	28.6170
Cu 324.754	4.6869	4.4797	4.4648
Fe 271.441	9.2578	0.1442	0.6911
K 766.491	7753.71	7744.58	7731.44
Mg 279.078	6196.07	6174.70	6168.52
Mn 257.610	51.7695	51.8360	51.7148
Mo 202.032	5.3850	6.0921	6.0350
Na 330.237	809529x	800178x	802153x
Ni 231.604	3.6282	5.9653	4.9042
Pb 220.353	4.2636	6.2890	0.3979
Sb 206.834	-5.6508u	-5.8933u	-3.2829u
Se 196.026	10.8504	10.2901	29.3465
Sn 189.925	0.0354	-6.1346u	-0.9662u
Sr 216.596	2381.48	2378.33	2375.72
Ti 334.941	0.5721	0.5175	0.5079
Tl 190.794	-4.8229u	-6.6790u	-6.7029u
V 292.401	0.9465	0.8636	1.1306
Zn 206.200	29.7205	28.7946	27.5827

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.0527b	ppb	0.1742	330.5	-22.1173
Al 308.215	4981.29b	ppb	6.1974	0.1	28653.3
As 188.980	1.2620b	ppb	1.4098	111.7	-3.4386
B 249.678	2597.15b	ppb	1.3502	0.1	35640.3
Ba 389.178	10.8004b	ppb	0.3655	3.4	208.850
Be 313.042	-0.1723b	ppb	0.0071	4.1	-3690.59
Ca 370.602	52526b	ppb	50.16	0.1	194795
Cd 226.502	0.4671b	ppb	0.0403	8.6	24.6744
Co 228.615	0.0684b	ppb	0.4473	654.3	-10.4431
Cr 267.716	28.4137b	ppb	0.2402	0.8	744.763
Cu 324.754	4.5438b	ppb	0.1242	2.7	374.913
Fe 271.441	3.3644b	ppb	5.1112	151.9	23.3191
K 766.491	7743.24b	ppb	11.1937	0.1	988741
Mg 279.078	6179.76b	ppb	14.4550	0.2	13189.2
Mn 257.610	51.7734b	ppb	0.0607	0.1	7194.93
Mo 202.032	5.8373b	ppb	0.3928	6.7	37.2213

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Na 330.237	803953xb	ppb	4928.83	0.6	47369.7
Ni 231.604	4.8326b	ppb	1.1702	24.2	16.7144
Pb 220.353	3.6502b	ppb	2.9931	82.0	3.0894
Sb 206.834	-4.9423b	ppb	1.4422	29.2	2.0742
Se 196.026	16.8290b	ppb	10.8441	64.4	11.6579
Sn 189.925	-2.3551b	ppb	3.3112	140.6	-5.6889
Sr 216.596	2378.51b	ppb	2.8842	0.1	17188.7
Ti 334.941	0.5325b	ppb	0.0346	6.5	47.0359
Tl 190.794	-6.0683b	ppb	1.0786	17.8	-8.9408
V 292.401	0.9802b	ppb	0.1367	13.9	29.7394
Zn 206.200	28.6993b	ppb	1.0721	3.7	58.6629

680-105091-a-3-o (Samp) **9/12/2014, 2:04:58 PM** **Rack 1, Tube 47**

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

Label	Replicates Concentration		
Ag 328.068	0.1720	-0.2517u	-0.1644u
Al 308.215	4053.77	4052.11	4054.36
As 188.980	3.3700	0.5723	-6.8150u
B 249.678	2133.30	2137.82	2136.89
Ba 389.178	10.0875	8.8469	9.3365
Be 313.042	-0.1603u	-0.1594u	-0.1732u
Ca 370.602	43255	43237	43207
Cd 226.502	1.1390	1.0035	1.1115
Co 228.615	0.2526	0.3823	0.1237
Cr 267.716	23.7898	23.1691	23.4293
Cu 324.754	14.4170	14.3214	14.4134
Fe 271.441	47.7626	53.8945	71.0617
K 766.491	6956.10	6953.70	6949.37
Mg 279.078	5089.81	5110.51	5099.91
Mn 257.610	43.3586	43.3264	43.3985
Mo 202.032	4.4718	4.6494	4.4859
Na 330.237	654253x	647213x	646879x
Ni 231.604	4.2247	4.9949	3.5552
Pb 220.353	10.1715	6.0547	2.0983
Sb 206.834	4.7696	-2.0564u	0.1917
Se 196.026	15.4884	20.1602	15.4777
Sn 189.925	-1.7097u	-4.2078u	-5.7201u
Sr 216.596	1955.62	1950.75	1957.23
Ti 334.941	0.7116	0.6843	0.7601
Tl 190.794	-7.9775u	-7.0273u	-6.4297u
V 292.401	0.9293	1.1106	1.0123
Zn 206.200	36.5498	38.3814	36.8147

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.0814b	ppb	0.2237	274.9	-23.5212
Al 308.215	4053.41b	ppb	1.1681	0.0	23388.3
As 188.980	-0.9576b	ppb	5.2620	549.5	-4.4706
B 249.678	2136.00b	ppb	2.3900	0.1	29317.5
Ba 389.178	9.4236b	ppb	0.6249	6.6	177.437
Be 313.042	-0.1643b	ppb	0.0077	4.7	-3656.35
Ca 370.602	43233b	ppb	24.38	0.1	160329
Cd 226.502	1.0847b	ppb	0.0716	6.6	43.2278
Co 228.615	0.2529b	ppb	0.1293	51.1	-9.0029

F09122014.wvq. All Data Report 9/15/2014, 10:04:20 AM

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Cr 267.716	23.4627b	ppb	0.3117	1.3	616.128
Cu 324.754	14.3839b	ppb	0.0542	0.4	857.602
Fe 271.441	57.5730b	ppb	12.0772	21.0	70.4774
K 766.491	6953.06b	ppb	3.4117	0.0	888029
Mg 279.078	5100.07b	ppb	10.3497	0.2	10890.1
Mn 257.610	43.3611b	ppb	0.0361	0.1	6028.35
Mo 202.032	4.5357b	ppb	0.0987	2.2	30.0750
Na 330.237	649448xb	ppb	4164.69	0.6	38276.1
Ni 231.604	4.2583b	ppb	0.7204	16.9	15.1446
Pb 220.353	6.1082b	ppb	4.0368	66.1	5.4960
Sb 206.834	0.9683b	ppb	3.4786	359.2	6.9578
Se 196.026	17.0421b	ppb	2.7004	15.8	11.6831
Sn 189.925	-3.8792b	ppb	2.0253	52.2	-6.5363
Sr 216.596	1954.53b	ppb	3.3714	0.2	14124.9
Ti 334.941	0.7187b	ppb	0.0384	5.3	122.998
Tl 190.794	-7.1448b	ppb	0.7805	10.9	-9.5145
V 292.401	1.0174b	ppb	0.0908	8.9	32.8336
Zn 206.200	37.2487b	ppb	0.9899	2.7	75.9012

680-105082-a-3-a (Samp) **9/12/2014, 2:09:27 PM** **Rack 1, Tube 48**

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

Label	Replicates Concentration		
Ag 328.068	-0.3902u	0.2990	-0.1686u
Al 308.215	289.236	287.767	287.635
As 188.980	118.213	104.504	100.865
B 249.678	16431.3x	16491.3x	16535.3x
Ba 389.178	426.094	426.936	424.957
Be 313.042	-0.1630u	-0.1541u	-0.1618u
Ca 370.602	112843	112617	112698
Cd 226.502	-0.1166u	0.4399	-0.0282u
Co 228.615	27.1789	27.7758	27.4184
Cr 267.716	73.9414	74.6695	74.0268
Cu 324.754	5.1768	5.2927	5.2252
Fe 271.441	2114.45	2112.31	2094.85
K 766.491	301236x	301183x	300723x
Mg 279.078	78605.1	78601.7	78636.0
Mn 257.610	342.623	342.220	342.207
Mo 202.032	6.7214	6.5861	6.9219
Na 330.237	1639095x	1641144x	1635804x
Ni 231.604	92.0314	92.2017	92.8545
Pb 220.353	4.2993	6.9812	-1.7973u
Sb 206.834	28.1591	12.2811	17.8899
Se 196.026	12.4743	15.6849	23.6976
Sn 189.925	3.0932	4.1093	3.8204
Sr 216.596	758.251	754.889	758.899
Ti 334.941	46.9958	46.9692	47.0186
Tl 190.794	-16.1007u	-4.7347u	-6.9083u
V 292.401	73.3938	72.7910	73.2541
Zn 206.200	34.5284	33.1640	33.8818

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.0866b	ppb	0.3518	406.3	-23.6360
Al 308.215	288.213b	ppb	0.8890	0.3	2027.81

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Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
As 188.980	107.860b	ppb	9.1481	8.5	46.0806
B 249.678	16486.0xb	ppb	52.1966	0.3	226070
Ba 389.178	425.996b	ppb	0.9932	0.2	9084.20
Be 313.042	-0.1596b	ppb	0.0048	3.0	-3741.68
Ca 370.602	112720b	ppb	114.1	0.1	418004
Cd 226.502	0.0983b	ppb	0.2990	304.1	16.8701
Co 228.615	27.4577b	ppb	0.3004	1.1	199.732
Cr 267.716	74.2125b	ppb	0.3980	0.5	1929.13
Cu 324.754	5.2316b	ppb	0.0582	1.1	348.497
Fe 271.441	2107.20b	ppb	10.7530	0.5	1855.51
K 766.491	301047xb	ppb	282.168	0.1	38371396
Mg 279.078	78614.2b	ppb	18.8942	0.0	167420
Mn 257.610	342.350b	ppb	0.2364	0.1	47708.5
Mo 202.032	6.7431b	ppb	0.1689	2.5	41.9908
Na 330.237	1638681xb	ppb	2694.13	0.2	96496.5
Ni 231.604	92.3625b	ppb	0.4345	0.5	256.267
Pb 220.353	3.1611b	ppb	4.4986	142.3	2.7835
Sb 206.834	19.4434b	ppb	8.0522	41.4	22.5233
Se 196.026	17.2856b	ppb	5.7803	33.4	12.1910
Sn 189.925	3.6743b	ppb	0.5236	14.2	-2.2919
Sr 216.596	757.346b	ppb	2.1527	0.3	5492.88
Ti 334.941	46.9945b	ppb	0.0248	0.1	16420.0
Tl 190.794	-9.2479b	ppb	6.0334	65.2	-10.6213
V 292.401	73.1463b	ppb	0.3155	0.4	2343.82
Zn 206.200	33.8581b	ppb	0.6825	2.0	68.9924

Cont Calib Verif (CCV) **9/12/2014, 2:13:55 PM** **Rack 1, Tube 49**

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

Label	Replicates Concentration		
Ag 328.068	490.887	495.909	493.197
Al 308.215	4871.95	4900.10	4903.93
As 188.980	473.583	478.667	476.349
B 249.678	636.516	623.973	611.777
Ba 389.178	4824.42	4843.56	4837.76
Be 313.042	488.943	490.131	490.623
Ca 370.602	4792	4816	4813
Cd 226.502	483.428	486.303	487.014
Co 228.615	482.460	485.663	483.908
Cr 267.716	4819.05	4843.32	4841.52
Cu 324.754	5025.85	5076.63	5003.81
Fe 271.441	4889.68	4895.53	4905.82
K 766.491	10110.0	10146.3	10163.6
Mg 279.078	4830.76	4850.88	4841.41
Mn 257.610	4912.63	4949.50	4967.03
Mo 202.032	484.539	488.622	486.452
Na 330.237	7180.69	7400.24	7559.72
Ni 231.604	2422.37	2434.61	2441.77
Pb 220.353	487.983	488.546	492.814
Sb 206.834	952.176	953.281	961.339
Se 196.026	4945.16	4962.65	5008.86
Sn 189.925	4754.66	4807.28	4783.57
Sr 216.596	2378.49	2388.72	2386.24
Ti 334.941	481.701	484.180	484.158

Label	Replicates Concentration		
Tl 190.794	4898.70	4922.60	4925.15
V 292.401	4857.58	4880.31	4885.66
Zn 206.200	2359.08	2371.92	2372.15

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Ag 328.068	493.331	ppb	2.5140	0.5	23872.0	98.66624
Al 308.215	4891.99	ppb	17.4615	0.4	28423.9	97.83988
As 188.980	476.200	ppb	2.5450	0.5	217.325	95.23996
B 249.678	624.089	ppb	12.3697	2.0	8597.07	124.81775Q
Ba 389.178	4835.24	ppb	9.8153	0.2	101214	96.70486
Be 313.042	489.899	ppb	0.8636	0.2	1146617	97.97979
Ca 370.602	4807	ppb	12.83	0.3	17863	96.14404
Cd 226.502	485.582	ppb	1.8988	0.4	14063.3	97.11636
Co 228.615	484.011	ppb	1.6038	0.3	3685.38	96.80211
Cr 267.716	4834.63	ppb	13.5241	0.3	124330	96.69255
Cu 324.754	5035.43	ppb	37.3440	0.7	242599	100.70856
Fe 271.441	4897.01	ppb	8.1722	0.2	4328.77	97.94021
K 766.491	10140.0	ppb	27.3762	0.3	1294211	101.39959
Mg 279.078	4841.02	ppb	10.0652	0.2	10328.8	96.82035
Mn 257.610	4943.06	ppb	27.7671	0.6	682235	98.86111
Mo 202.032	486.538	ppb	2.0428	0.4	2672.26	97.30756
Na 330.237	7380.22	ppb	190.306	2.6	470.060	98.40292
Ni 231.604	2432.92	ppb	9.8091	0.4	6660.11	97.31664
Pb 220.353	489.781	ppb	2.6416	0.5	473.680	97.95620
Sb 206.834	955.599	ppb	5.0016	0.5	818.513	95.55986
Se 196.026	4972.22	ppb	32.9110	0.7	1716.09	99.44440
Sn 189.925	4781.83	ppb	26.3550	0.6	2558.26	95.63668
Sr 216.596	2384.49	ppb	5.3360	0.2	17141.6	95.37942
Ti 334.941	483.346	ppb	1.4251	0.3	169404	96.66930
Tl 190.794	4915.48	ppb	14.5904	0.3	2639.08	98.30968
V 292.401	4874.52	ppb	14.9095	0.3	156390	97.49036
Zn 206.200	2367.72	ppb	7.4793	0.3	4760.01	94.70872

Cont Calib Blank (CCB) **9/12/2014, 2:18:22 PM** **Rack 1, Tube 50**

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

Label	Replicates Concentration		
Ag 328.068	0.3145	-0.0229u	0.6209
Al 308.215	-2.4031u	-4.4349u	-3.4997u
As 188.980	2.7220	-0.6329u	-2.9747u
B 249.678	49.2959	44.7697	42.2803
Ba 389.178	0.3961	0.3397	0.6922
Be 313.042	-0.0216u	-0.0306u	-0.0466u
Ca 370.602	-2.305u	1.634	1.805
Cd 226.502	0.2526	0.0238	0.2160
Co 228.615	0.1966	-0.1793u	0.6607
Cr 267.716	0.4525	-0.1004u	-0.1263u
Cu 324.754	1.0239	0.8585	0.7852
Fe 271.441	6.3842	1.2477	-2.6148u
K 766.491	1.1032	0.9049	0.8129
Mg 279.078	-2.6826u	-0.3797u	-4.5948u
Mn 257.610	0.4228	0.3533	0.2051
Mo 202.032	0.7629	0.4791	0.6851
Na 330.237	135.606	97.0402	72.9761

Label	Replicates Concentration		
Ni 231.604	1.6176	1.0356	0.6274
Pb 220.353	1.9462	1.8632	2.2181
Sb 206.834	5.8199	1.6169	-0.5304u
Se 196.026	10.9609	10.6350	14.1454
Sn 189.925	-0.9720u	0.5097	-0.3910u
Sr 216.596	-0.1337u	0.1170	0.2520
Ti 334.941	0.1872	0.2164	0.1823
Tl 190.794	8.1853	-3.8011u	-0.7961u
V 292.401	0.4404	0.3892	0.3802
Zn 206.200	-1.4357u	0.4146	0.2383

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Ag 328.068	0.3042	ppb	0.3220	105.9	-4.9376	0.30419
Al 308.215	-3.4459	ppb	1.0170	29.5	368.853	-3.44589
As 188.980	-0.2952	ppb	2.8633	969.9	-4.1634	-0.29522
B 249.678	45.4487	ppb	3.5567	7.8	653.851	45.44866
Ba 389.178	0.4760	ppb	0.1893	39.8	-22.6561	0.47596
Be 313.042	-0.0330	ppb	0.0127	38.4	-3285.73	-0.03297
Ca 370.602	0.3779	ppb	2.325	615.3	-0.1028	0.37789
Cd 226.502	0.1641	ppb	0.1229	74.9	18.8394	0.16413
Co 228.615	0.2260	ppb	0.4207	186.2	-9.1459	0.22600
Cr 267.716	0.0753	ppb	0.3270	434.5	9.2114	0.07525
Cu 324.754	0.8892	ppb	0.1223	13.8	249.135	0.88921
Fe 271.441	1.6724	ppb	4.5145	269.9	21.9055	1.67238
K 766.491	0.9403	ppb	0.1484	15.8	1956.67	0.94034
Mg 279.078	-2.5524	ppb	2.1106	82.7	25.1706	-2.55236
Mn 257.610	0.3270	ppb	0.1112	34.0	61.8593	0.32703
Mo 202.032	0.6424	ppb	0.1466	22.8	8.7169	0.64236
Na 330.237	101.874	ppb	31.5937	31.0	58.4334	101.87416
Ni 231.604	1.0935	ppb	0.4976	45.5	6.4825	1.09354
Pb 220.353	2.0092	ppb	0.1856	9.2	1.6962	2.00916
Sb 206.834	2.3021	ppb	3.2301	140.3	7.9804	2.30214
Se 196.026	11.9138	ppb	1.9395	16.3	9.6914	11.91379Z
Sn 189.925	-0.2844	ppb	0.7465	262.5	-4.7365	-0.28445
Sr 216.596	0.0784	ppb	0.1957	249.6	1.4865	0.07842
Ti 334.941	0.1953	ppb	0.0184	9.4	-17.4512	0.19531
Tl 190.794	1.1960	ppb	6.2366	521.4	-4.9956	1.19605
V 292.401	0.4033	ppb	0.0325	8.0	20.6703	0.40331
Zn 206.200	-0.2609	ppb	1.0212	391.4	0.3817	-0.26089

680-105100-b-1-a (Samp) **9/12/2014, 2:22:49 PM** **Rack 1, Tube 51**

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

Label	Replicates Concentration		
Ag 328.068	0.2970	-0.5495u	-0.0472u
Al 308.215	365.198	362.635	364.708
As 188.980	-2.6316u	-6.1444u	-3.8382u
B 249.678	2058.90	2064.22	2066.72
Ba 389.178	21.4417	22.7683	21.8036
Be 313.042	-0.1445u	-0.1402u	-0.1554u
Ca 370.602	7757	7760	7768
Cd 226.502	11.1317	10.8248	10.8474
Co 228.615	1.0317	0.8262	0.5684
Cr 267.716	-0.3305u	-0.2213u	0.0986

Label	Replicates Concentration		
Cu 324.754	11.2472	11.3225	11.2014
Fe 271.441	-2.8889u	3.6759	-9.7199u
K 766.491	9316.45	9318.62	9292.51
Mg 279.078	9.8269	11.9712	13.0455
Mn 257.610	0.2840	0.2706	0.2836
Mo 202.032	-0.2257u	0.5575	0.7057
Na 330.237	414218x	413218x	412045x
Ni 231.604	15.1671	16.5317	16.7559
Pb 220.353	2.5906	3.6115	-1.8551u
Sb 206.834	-5.0154u	-0.8056u	2.7620
Se 196.026	10.1776	16.9782	3.2020
Sn 189.925	-6.0133u	-2.0041u	-1.0002u
Sr 216.596	67.9588	69.4759	68.1316
Ti 334.941	0.2763	0.2838	0.2753
Tl 190.794	-1.7024u	-10.6418u	-3.7233u
V 292.401	0.3260	-0.0241u	0.3318
Zn 206.200	8.1319	7.7171	9.6846

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.0999b	ppb	0.4257	426.1	-24.4913
Al 308.215	364.180b	ppb	1.3607	0.4	2454.78
As 188.980	-4.2047b	ppb	1.7848	42.4	-5.9801
B 249.678	2063.28b	ppb	3.9943	0.2	28320.4
Ba 389.178	22.0045b	ppb	0.6857	3.1	428.032
Be 313.042	-0.1467b	ppb	0.0078	5.3	-3600.54
Ca 370.602	7762b	ppb	5.818	0.1	28783
Cd 226.502	10.9346b	ppb	0.1711	1.6	328.648
Co 228.615	0.8088b	ppb	0.2321	28.7	-4.6831
Cr 267.716	-0.1511b	ppb	0.2230	147.6	6.7623
Cu 324.754	11.2570b	ppb	0.0612	0.5	740.935
Fe 271.441	-2.9776b	ppb	6.6983	225.0	17.9199
K 766.491	9309.19b	ppb	14.4881	0.2	1188327
Mg 279.078	11.6145b	ppb	1.6387	14.1	55.3434
Mn 257.610	0.2794b	ppb	0.0076	2.7	54.2654
Mo 202.032	0.3458b	ppb	0.5005	144.7	7.0901
Na 330.237	413160xb	ppb	1087.54	0.3	24369.3
Ni 231.604	16.1516b	ppb	0.8600	5.3	47.6812
Pb 220.353	1.4490b	ppb	2.9066	200.6	1.1411
Sb 206.834	-1.0197b	ppb	3.8931	381.8	5.2362
Se 196.026	10.1193b	ppb	6.8883	68.1	9.1141
Sn 189.925	-3.0059b	ppb	2.6525	88.2	-6.1142
Sr 216.596	68.5221b	ppb	0.8305	1.2	496.953
Ti 334.941	0.2785b	ppb	0.0046	1.7	-22.6853
Tl 190.794	-5.3559b	ppb	4.6880	87.5	-8.5181
V 292.401	0.2112b	ppb	0.2038	96.5	11.2836
Zn 206.200	8.5112b	ppb	1.0371	12.2	18.0558

680-105111-b-1-a (Samp) **9/12/2014, 2:27:15 PM** **Rack 1, Tube 52**

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

Label	Replicates Concentration		
Ag 328.068	-0.0470	0.2461	-0.0284
Al 308.215	1196.92	1194.87	1199.59
As 188.980	-1.2147u	2.1629	6.3074

Label	Replicates Concentration		
B 249.678	121.714	117.202	114.877
Ba 389.178	324.569	325.957	324.729
Be 313.042	-0.1015u	-0.0964u	-0.1059u
Ca 370.602	78588	78532	78639
Cd 226.502	0.4763	0.1687	0.3118
Co 228.615	1.8393	1.8097	1.8978
Cr 267.716	2.8008	2.8113	2.4663
Cu 324.754	43.1747	42.6400	42.6619
Fe 271.441	1368.19	1366.77	1354.10
K 766.491	31910.9	31876.7	31866.3
Mg 279.078	11032.9	11006.9	11016.7
Mn 257.610	1839.80	1839.67	1841.63
Mo 202.032	2.8412	3.1573	3.5694
Na 330.237	410832x	411006x	413281x
Ni 231.604	7.1759	9.7262	7.3084
Pb 220.353	5.4696	10.2293	2.6585
Sb 206.834	-9.0201u	-6.9087u	-5.9656u
Se 196.026	-5.9827u	2.4900	11.0999
Sn 189.925	-8.0865u	1.3618	-3.9894u
Sr 216.596	383.726	381.577	384.251
Ti 334.941	12.8823	12.8712	12.8398
Tl 190.794	-2.7871u	-2.2628u	-2.7503u
V 292.401	6.2261	6.4474	6.0224
Zn 206.200	53.8286	53.2332	53.9028

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	0.0569b	ppb	0.1641	288.4	-11.1518
Al 308.215	1197.12b	ppb	2.3670	0.2	7181.51
As 188.980	2.4185b	ppb	3.7676	155.8	-2.9110
B 249.678	117.931b	ppb	3.4763	2.9	1646.83
Ba 389.178	325.085b	ppb	0.7590	0.2	6802.26
Be 313.042	-0.1013b	ppb	0.0048	4.7	-3466.15
Ca 370.602	78586b	ppb	53.12	0.1	291423
Cd 226.502	0.3189b	ppb	0.1539	48.3	25.2919
Co 228.615	1.8489b	ppb	0.0448	2.4	3.4656
Cr 267.716	2.6928b	ppb	0.1962	7.3	79.8513
Cu 324.754	42.8255b	ppb	0.3026	0.7	2192.96
Fe 271.441	1363.02b	ppb	7.7556	0.6	1206.26
K 766.491	31884.6b	ppb	23.3426	0.1	4065647
Mg 279.078	11018.8b	ppb	13.1418	0.1	23490.3
Mn 257.610	1840.37b	ppb	1.0945	0.1	254066
Mo 202.032	3.1893b	ppb	0.3651	11.4	22.5809
Na 330.237	411706xb	ppb	1366.85	0.3	24282.8
Ni 231.604	8.0702b	ppb	1.4357	17.8	25.6180
Pb 220.353	6.1191b	ppb	3.8269	62.5	5.5946
Sb 206.834	-7.2981b	ppb	1.5640	21.4	0.0105
Se 196.026	2.5357b	ppb	8.5414	336.8	7.1369
Sn 189.925	-3.5714b	ppb	4.7380	132.7	-6.4178
Sr 216.596	383.185b	ppb	1.4169	0.4	2785.70
Ti 334.941	12.8644b	ppb	0.0221	0.2	4413.96
Tl 190.794	-2.6000b	ppb	0.2927	11.3	-6.8419
V 292.401	6.2320b	ppb	0.2126	3.4	204.966
Zn 206.200	53.6549b	ppb	0.3670	0.7	109.035

680-105040-e-1-a (Samp) **9/12/2014, 2:31:42 PM** **Rack 1, Tube 53**

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

Label	Replicates Concentration		
Ag 328.068	0.2233	0.0051	0.1107
Al 308.215	22.9648	21.2427	20.8975
As 188.980	-8.6640u	-7.9965u	-3.3828u
B 249.678	41.6712	42.3592	41.1563
Ba 389.178	126.524	125.682	126.613
Be 313.042	-0.0796u	-0.0902u	-0.0781u
Ca 370.602	33268	33283	33279
Cd 226.502	-0.0626u	-0.0930u	0.0369
Co 228.615	-0.1286u	0.8769	-0.2360u
Cr 267.716	1.0810	1.3932	1.2659
Cu 324.754	279.495	278.517	277.433
Fe 271.441	52.4800	52.2232	52.4410
K 766.491	9059.53	9059.12	9046.30
Mg 279.078	7204.58	7210.19	7216.88
Mn 257.610	33.7317	33.4925	33.6002
Mo 202.032	-0.0580u	0.2223	-0.3727u
Na 330.237	46344.4	46710.8	46415.2
Ni 231.604	1.3495	0.7690	0.5505
Pb 220.353	2.1169	0.4565	3.5152
Sb 206.834	-4.0753u	-2.4701u	-6.7408u
Se 196.026	-0.5735u	2.3365	-6.8033u
Sn 189.925	-1.7567u	0.8799	-0.0248u
Sr 216.596	483.023	480.275	481.863
Ti 334.941	1.7321	1.7746	1.7681
Tl 190.794	-4.7629u	-7.8782u	-0.7460u
V 292.401	0.5460	0.5167	0.4444
Zn 206.200	35.1781	36.6210	35.6388

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	0.1130	ppb	0.1091	96.6	-14.1854
Al 308.215	21.7017	ppb	1.1074	5.1	511.503
As 188.980	-6.6811	ppb	2.8758	43.0	-7.1312
B 249.678	41.7289	ppb	0.6035	1.4	602.824
Ba 389.178	126.273	ppb	0.5136	0.4	2628.69
Be 313.042	-0.0826	ppb	0.0066	7.9	-3395.09
Ca 370.602	33277	ppb	7.878	0.0	123406
Cd 226.502	-0.0396	ppb	0.0680	171.6	12.9676
Co 228.615	0.1708	ppb	0.6139	359.5	-9.5244
Cr 267.716	1.2467	ppb	0.1570	12.6	39.7202
Cu 324.754	278.481	ppb	1.0312	0.4	13583.9
Fe 271.441	52.3814	ppb	0.1384	0.3	66.0327
K 766.491	9054.98	ppb	7.5207	0.1	1155927
Mg 279.078	7210.55	ppb	6.1549	0.1	15384.0
Mn 257.610	33.6081	ppb	0.1198	0.4	4695.85
Mo 202.032	-0.0695	ppb	0.2977	428.6	4.8074
Na 330.237	46490.1	ppb	194.350	0.4	2788.50
Ni 231.604	0.8897	ppb	0.4130	46.4	5.9265
Pb 220.353	2.0295	ppb	1.5312	75.4	1.7150
Sb 206.834	-4.4287	ppb	2.1572	48.7	2.4294
Se 196.026	-1.6801	ppb	4.6693	277.9	5.1928
Sn 189.925	-0.3005	ppb	1.3397	445.8	-4.7361
Sr 216.596	481.720	ppb	1.3793	0.3	3486.91

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Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ti 334.941	1.7583	ppb	0.0229	1.3	541.883
Tl 190.794	-4.4624	ppb	3.5756	80.1	-8.0327
V 292.401	0.5024	ppb	0.0523	10.4	23.7247
Zn 206.200	35.8126	ppb	0.7370	2.1	73.0614

680-105102-e-1-a (Samp) **9/12/2014, 2:36:10 PM** **Rack 1, Tube 54**

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

Label	Replicates Concentration		
Ag 328.068	0.0900	-0.2067u	-0.0855u
Al 308.215	92.5319	95.5886	96.1543
As 188.980	-2.8983u	-6.0974u	-8.6190u
B 249.678	33.1932	33.2111	32.3490
Ba 389.178	3.6725	3.5807	3.6193
Be 313.042	-0.0957u	-0.0946u	-0.0997u
Ca 370.602	67868	67929	67851
Cd 226.502	0.1730	0.3830	0.3042
Co 228.615	-0.7917u	0.3373	-0.6931u
Cr 267.716	4.0053	3.9194	4.0219
Cu 324.754	35.6155	35.8536	35.7336
Fe 271.441	382.275	377.268	371.327
K 766.491	22061.8	22115.6	22089.1
Mg 279.078	6696.90	6705.42	6721.91
Mn 257.610	15.6144	15.6013	15.6341
Mo 202.032	1.3879	1.8769	1.8785
Na 330.237	43846.1	43771.9	43922.8
Ni 231.604	3.2114	2.4281	2.4491
Pb 220.353	8.4272	4.8962	6.5342
Sb 206.834	-4.6256u	0.1697	-2.3481u
Se 196.026	-10.4514u	5.7068	1.0626
Sn 189.925	-0.1498u	-5.1066u	4.1320
Sr 216.596	151.336	151.939	153.030
Ti 334.941	2.8112	2.7174	2.7314
Tl 190.794	3.0215	-5.9808u	-5.4272u
V 292.401	1.3055	1.2693	1.0915
Zn 206.200	115.998	116.000	114.705

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.0674	ppb	0.1492	221.4	-23.0309
Al 308.215	94.7583	ppb	1.9487	2.1	926.182
As 188.980	-5.8716	ppb	2.8670	48.8	-6.7569
B 249.678	32.9178	ppb	0.4926	1.5	481.854
Ba 389.178	3.6241	ppb	0.0461	1.3	60.5941
Be 313.042	-0.0967	ppb	0.0027	2.8	-3414.31
Ca 370.602	67883	ppb	41.43	0.1	251739
Cd 226.502	0.2867	ppb	0.1061	37.0	23.2269
Co 228.615	-0.3825	ppb	0.6253	163.5	-13.7508
Cr 267.716	3.9822	ppb	0.0550	1.4	110.060
Cu 324.754	35.7343	ppb	0.1190	0.3	1861.98
Fe 271.441	376.957	ppb	5.4807	1.5	348.366
K 766.491	22088.8	ppb	26.9080	0.1	2817141
Mg 279.078	6708.08	ppb	12.7126	0.2	14313.4
Mn 257.610	15.6166	ppb	0.0165	0.1	2211.02
Mo 202.032	1.7145	ppb	0.2828	16.5	14.5691

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Na 330.237	43846.9	ppb	75.4547	0.2	2632.53
Ni 231.604	2.6962	ppb	0.4463	16.6	10.8806
Pb 220.353	6.6192	ppb	1.7670	26.7	6.1361
Sb 206.834	-2.2680	ppb	2.3986	105.8	4.2035
Se 196.026	-1.2273	ppb	8.3189	677.8	5.5278
Sn 189.925	-0.3748	ppb	4.6234	1233.6	-4.7765
Sr 216.596	152.102	ppb	0.8588	0.6	1114.13
Ti 334.941	2.7533	ppb	0.0506	1.8	890.005
Tl 190.794	-2.7955	ppb	5.0453	180.5	-7.1637
V 292.401	1.2221	ppb	0.1145	9.4	46.4237
Zn 206.200	115.568	ppb	0.7469	0.6	233.755

680-105085-b-1-a (Samp) **9/12/2014, 2:40:37 PM** **Rack 1, Tube 55**

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

Label	Replicates	Concentration	
Ag 328.068	0.3126	0.0941	-0.5317u
Al 308.215	4812.66	4816.79	4826.18
As 188.980	-1.9581u	-3.9662u	-5.1720u
B 249.678	44.0678	43.3050	44.4798
Ba 389.178	24.3569	24.7624	24.6746
Be 313.042	-0.0255u	-0.0125u	-0.0221u
Ca 370.602	34190	34254	34249
Cd 226.502	0.1580	-0.1425	-0.0036
Co 228.615	0.5140	0.6586	0.1183
Cr 267.716	34.1069	34.1753	34.2081
Cu 324.754	24.5435	24.5697	24.7527
Fe 271.441	2064.30	2058.92	2059.65
K 766.491	23046.0	22994.2	23027.9
Mg 279.078	6926.74	6934.93	6939.20
Mn 257.610	59.2398	59.3165	59.3019
Mo 202.032	6.1452	5.7861	5.9577
Na 330.237	38442.3	38316.7	38813.6
Ni 231.604	3.1737	3.5950	4.2747
Pb 220.353	4.4134	9.7110	4.8419
Sb 206.834	-2.0085u	1.5405	-5.2602u
Se 196.026	11.1053	7.1435	8.6160
Sn 189.925	-3.1743u	2.8649	-2.1595u
Sr 216.596	262.474	261.663	263.483
Ti 334.941	16.7080	16.8753	16.8060
Tl 190.794	-5.9423u	-4.9518u	-6.0052u
V 292.401	2.4208	2.2085	2.5935
Zn 206.200	68.7585	71.3090	70.9623

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.0416	ppb	0.4382	1052.2	-21.7480
Al 308.215	4818.54	ppb	6.9268	0.1	27729.9
As 188.980	-3.6988	ppb	1.6235	43.9	-5.7577
B 249.678	43.9509	ppb	0.5961	1.4	631.990
Ba 389.178	24.5979	ppb	0.2134	0.9	503.189
Be 313.042	-0.0200	ppb	0.0067	33.6	-3247.52
Ca 370.602	34231	ppb	35.75	0.1	126920
Cd 226.502	0.0040	ppb	0.1504	3793.0	19.2739
Co 228.615	0.4303	ppb	0.2797	65.0	-7.3404

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Cr 267.716	34.1634	ppb	0.0516	0.2	886.407
Cu 324.754	24.6220	ppb	0.1140	0.5	1358.92
Fe 271.441	2060.95	ppb	2.9163	0.1	1813.13
K 766.491	23022.7	ppb	26.2794	0.1	2936161
Mg 279.078	6933.62	ppb	6.3347	0.1	14790.3
Mn 257.610	59.2860	ppb	0.0407	0.1	8242.38
Mo 202.032	5.9630	ppb	0.1796	3.0	37.7454
Na 330.237	38524.2	ppb	258.380	0.7	2318.44
Ni 231.604	3.6811	ppb	0.5556	15.1	13.6352
Pb 220.353	6.3221	ppb	2.9427	46.5	5.6503
Sb 206.834	-1.9094	ppb	3.4015	178.1	4.6166
Se 196.026	8.9549	ppb	2.0025	22.4	8.8843
Sn 189.925	-0.8229	ppb	3.2338	393.0	-5.0177
Sr 216.596	262.540	ppb	0.9118	0.3	1905.47
Ti 334.941	16.7964	ppb	0.0841	0.5	5815.49
Tl 190.794	-5.6331	ppb	0.5909	10.5	-8.8434
V 292.401	2.4076	ppb	0.1928	8.0	82.4013
Zn 206.200	70.3433	ppb	1.3834	2.0	142.599

680-105085-b-1-aSD^5 (Samp) **9/12/2014, 2:45:05 PM** **Rack 1, Tube 56**

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

Label	Replicates Concentration		
Ag 328.068	0.2467	0.3807	-0.3051u
Al 308.215	1204.98	1182.85	1161.34
As 188.980	1.1387	6.7828	0.4313
B 249.678	14.4243	14.6324	14.3532
Ba 389.178	6.6477	5.9184	5.1374
Be 313.042	-0.0733u	-0.0527u	-0.0552u
Ca 370.602	8467	8328	8186
Cd 226.502	0.1704	-0.0617u	-0.1394u
Co 228.615	0.6527	0.1905	0.3957
Cr 267.716	8.1711	8.1638	8.2062
Cu 324.754	6.2929	6.4647	6.0723
Fe 271.441	506.575	500.930	494.411
K 766.491	5683.62	5591.40	5497.65
Mg 279.078	1755.61	1722.67	1694.68
Mn 257.610	14.7361	14.5068	14.3527
Mo 202.032	1.4397	1.2191	0.9438
Na 330.237	9429.73	9155.29	9035.91
Ni 231.604	0.9312	1.0575	1.9726
Pb 220.353	2.0562	3.5567	2.7972
Sb 206.834	-1.0169u	-4.2781u	1.3611
Se 196.026	0.3085	1.7494	4.7054
Sn 189.925	-5.0237u	-3.9297u	-1.0018u
Sr 216.596	64.7922	63.0728	61.6775
Ti 334.941	4.8780	4.7051	4.5529
Tl 190.794	-4.2384u	-1.6483u	-8.9239u
V 292.401	0.3823	0.5143	0.7145
Zn 206.200	16.7795	18.6466	17.8334

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	0.1074	ppb	0.3635	338.4	-14.4778
Al 308.215	1183.06	ppb	21.8191	1.8	7101.27

F09122014.wvq. All Data Report 9/15/2014, 10:04:20 AM

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
As 188.980	2.7843	ppb	3.4809	125.0	-2.7357
B 249.678	14.4700	ppb	0.1451	1.0	228.744
Ba 389.178	5.9012	ppb	0.7553	12.8	96.0890
Be 313.042	-0.0604	ppb	0.0112	18.6	-3348.00
Ca 370.602	8327	ppb	140.5	1.7	30875
Cd 226.502	-0.0103	ppb	0.1612	1571.9	15.0301
Co 228.615	0.4130	ppb	0.2316	56.1	-7.6365
Cr 267.716	8.1804	ppb	0.0227	0.3	217.784
Cu 324.754	6.2767	ppb	0.1967	3.1	500.504
Fe 271.441	500.639	ppb	6.0874	1.2	455.949
K 766.491	5590.89	ppb	92.9874	1.7	714416
Mg 279.078	1724.32	ppb	30.4996	1.8	3701.22
Mn 257.610	14.5319	ppb	0.1929	1.3	2033.10
Mo 202.032	1.2009	ppb	0.2485	20.7	11.7413
Na 330.237	9206.98	ppb	201.929	2.2	593.979
Ni 231.604	1.3204	ppb	0.5683	43.0	7.1211
Pb 220.353	2.8033	ppb	0.7503	26.8	2.4118
Sb 206.834	-1.3113	ppb	2.8311	215.9	5.0310
Se 196.026	2.2545	ppb	2.2415	99.4	6.4211
Sn 189.925	-3.3184	ppb	2.0795	62.7	-6.3608
Sr 216.596	63.1808	ppb	1.5602	2.5	459.289
Ti 334.941	4.7120	ppb	0.1627	3.5	1569.29
Tl 190.794	-4.9369	ppb	3.6878	74.7	-8.3334
V 292.401	0.5370	ppb	0.1673	31.2	24.5056
Zn 206.200	17.7532	ppb	0.9361	5.3	36.6682

680-105085-b-1-aPDS (Samp) **9/12/2014, 2:49:33 PM** **Rack 1, Tube 57**

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

Label	Replicates Concentration		
Ag 328.068	47.5303	47.3700	47.5702
Al 308.215	7073.27	7091.33	7077.83
As 188.980	205.980	221.871	207.546
B 249.678	562.503	565.955	566.971
Ba 389.178	236.316	235.448	237.902
Be 313.042	54.7455	54.6994	54.7317
Ca 370.602	35889	35899	35891
Cd 226.502	53.6625	53.5713	53.7304
Co 228.615	213.107	214.319	212.432
Cr 267.716	248.726	249.017	248.761
Cu 324.754	253.138	252.914	253.205
Fe 271.441	4172.65	4172.63	4162.30
K 766.491	25102.2	25121.5	25111.1
Mg 279.078	8999.47	8999.71	9015.67
Mn 257.610	281.812	281.439	281.517
Mo 202.032	219.687	219.540	220.236
Na 330.237	40592.5	40633.4	40694.9
Ni 231.604	213.295	213.408	214.860
Pb 220.353	218.414	223.228	215.337
Sb 206.834	206.401	201.718	201.782
Se 196.026	201.434	206.278	211.654
Sn 189.925	211.140	210.733	213.497
Sr 216.596	466.849	469.050	470.952
Ti 334.941	234.271	234.449	235.102

Label	Replicates Concentration		
Tl 190.794	206.647	209.643	194.735
V 292.401	218.533	218.204	218.077
Zn 206.200	276.195	275.576	277.944

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	47.4902	ppb	0.1059	0.2	2278.34
Al 308.215	7080.81	ppb	9.3902	0.1	40590.5
As 188.980	211.799	ppb	8.7574	4.1	94.4111
B 249.678	565.143	ppb	2.3421	0.4	7779.25
Ba 389.178	236.555	ppb	1.2441	0.5	4950.02
Be 313.042	54.7255	ppb	0.0237	0.0	125122
Ca 370.602	35893	ppb	5.159	0.0	133102
Cd 226.502	53.6548	ppb	0.0799	0.1	1575.57
Co 228.615	213.286	ppb	0.9561	0.4	1618.25
Cr 267.716	248.835	ppb	0.1585	0.1	6406.74
Cu 324.754	253.086	ppb	0.1524	0.1	12355.3
Fe 271.441	4169.19	ppb	5.9706	0.1	3661.56
K 766.491	25111.6	ppb	9.6556	0.0	3202401
Mg 279.078	9004.95	ppb	9.2857	0.1	19196.6
Mn 257.610	281.589	ppb	0.1970	0.1	38938.3
Mo 202.032	219.821	ppb	0.3670	0.2	1210.90
Na 330.237	40640.3	ppb	51.5660	0.1	2438.03
Ni 231.604	213.854	ppb	0.8730	0.4	588.743
Pb 220.353	218.993	ppb	3.9772	1.8	210.528
Sb 206.834	203.301	ppb	2.6854	1.3	172.232
Se 196.026	206.455	ppb	5.1124	2.5	76.8631
Sn 189.925	211.790	ppb	1.4923	0.7	108.934
Sr 216.596	468.950	ppb	2.0530	0.4	3388.68
Ti 334.941	234.607	ppb	0.4373	0.2	82192.8
Tl 190.794	203.675	ppb	7.8860	3.9	103.746
V 292.401	218.271	ppb	0.2356	0.1	6964.56
Zn 206.200	276.572	ppb	1.2283	0.4	557.646

680-105085-b-1-c ms (Samp) **9/12/2014, 2:54:02 PM** **Rack 1, Tube 58**

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

Label	Replicates Concentration		
Ag 328.068	48.2304	48.4439	48.4246
Al 308.215	9039.02	9038.49	9031.82
As 188.980	89.8587	96.0900	88.2132
B 249.678	227.155	225.761	226.382
Ba 389.178	111.425	111.676	111.540
Be 313.042	47.1630	47.2024	47.1517
Ca 370.602	35059	35059	35041
Cd 226.502	46.2194	45.5054	46.4824
Co 228.615	47.5073	46.6260	46.8868
Cr 267.716	123.251	122.901	123.098
Cu 324.754	120.215	119.646	119.662
Fe 271.441	6473.33	6477.25	6474.08
K 766.491	25394.8	25408.9	25419.7
Mg 279.078	10714.5	10712.6	10693.1
Mn 257.610	532.436	532.460	532.289
Mo 202.032	97.9756	97.3170	97.5349
Na 330.237	39479.0	39600.3	39616.0

Label	Replicates Concentration		
Ni 231.604	94.3838	92.0897	92.0440
Pb 220.353	52.4899	52.5973	56.8956
Sb 206.834	42.1764	43.7013	41.2562
Se 196.026	88.6087	70.9195	75.3088
Sn 189.925	177.640	185.174	180.484
Sr 216.596	324.491	323.576	324.988
Ti 334.941	108.519	108.625	108.637
Tl 190.794	39.8914	31.0093	38.3423
V 292.401	95.7176	95.9591	95.7865
Zn 206.200	147.878	149.542	151.178

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	48.3663	ppb	0.1181	0.2	2321.10
Al 308.215	9036.44	ppb	4.0125	0.0	51673.3
As 188.980	91.3873	ppb	4.1549	4.5	38.4165
B 249.678	226.433	ppb	0.6983	0.3	3131.62
Ba 389.178	111.547	ppb	0.1256	0.1	2340.93
Be 313.042	47.1723	ppb	0.0266	0.1	107396
Ca 370.602	35053	ppb	10.10	0.0	129928
Cd 226.502	46.0691	ppb	0.5056	1.1	1362.03
Co 228.615	47.0067	ppb	0.4527	1.0	348.334
Cr 267.716	123.083	ppb	0.1755	0.1	3172.98
Cu 324.754	119.841	ppb	0.3239	0.3	5941.84
Fe 271.441	6474.89	ppb	2.0825	0.0	5656.03
K 766.491	25407.8	ppb	12.5039	0.0	3240157
Mg 279.078	10706.7	ppb	11.8485	0.1	22815.6
Mn 257.610	532.395	ppb	0.0928	0.0	73565.9
Mo 202.032	97.6092	ppb	0.3355	0.3	540.204
Na 330.237	39565.1	ppb	74.9584	0.2	2376.09
Ni 231.604	92.8391	ppb	1.3379	1.4	257.726
Pb 220.353	53.9943	ppb	2.5132	4.7	51.3602
Sb 206.834	42.3780	ppb	1.2350	2.9	40.3014
Se 196.026	78.2790	ppb	9.2110	11.8	32.8482
Sn 189.925	181.099	ppb	3.8043	2.1	92.4843
Sr 216.596	324.352	ppb	0.7165	0.2	2351.08
Ti 334.941	108.594	ppb	0.0651	0.1	38011.8
Tl 190.794	36.4144	ppb	4.7446	13.0	13.5539
V 292.401	95.8211	ppb	0.1244	0.1	3062.51
Zn 206.200	149.533	ppb	1.6496	1.1	302.035

680-105085-b-1-d msd (Samp) **9/12/2014, 2:58:31 PM** **Rack 1, Tube 59**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Replicates Concentration		
Ag 328.068	49.9827	49.6826	49.7968
Al 308.215	9489.45	9492.58	9491.54
As 188.980	102.724	104.195	100.290
B 249.678	232.598	233.264	232.801
Ba 389.178	117.359	116.292	117.690
Be 313.042	49.0195	49.0264	48.9248
Ca 370.602	37922	37923	37915
Cd 226.502	47.7618	47.6254	47.8238
Co 228.615	47.9900	48.9258	48.4492
Cr 267.716	129.240	129.165	128.912

Label	Replicates Concentration		
Cu 324.754	125.523	125.878	125.640
Fe 271.441	6778.80	6793.03	6790.11
K 766.491	27329.4	27352.9	27326.3
Mg 279.078	11420.1	11409.4	11409.7
Mn 257.610	555.149	555.047	554.714
Mo 202.032	100.694	102.004	101.000
Na 330.237	42577.1	42621.5	42611.3
Ni 231.604	96.8887	96.4666	97.0885
Pb 220.353	55.2147	56.7747	54.0022
Sb 206.834	52.4117	42.3766	47.7733
Se 196.026	79.6305	83.7705	88.6200
Sn 189.925	186.895	184.351	190.840
Sr 216.596	347.208	346.466	346.268
Ti 334.941	111.598	111.710	111.575
Tl 190.794	38.8324	33.1377	28.4668
V 292.401	99.4901	99.8999	99.9831
Zn 206.200	158.400	160.682	158.985

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	49.8207	ppb	0.1515	0.3	2391.50
Al 308.215	9491.19	ppb	1.5905	0.0	54254.0
As 188.980	102.403	ppb	1.9719	1.9	43.5338
B 249.678	232.888	ppb	0.3414	0.1	3219.97
Ba 389.178	117.114	ppb	0.7309	0.6	2459.83
Be 313.042	48.9903	ppb	0.0568	0.1	111659
Ca 370.602	37920	ppb	4.397	0.0	140557
Cd 226.502	47.7370	ppb	0.1015	0.2	1411.06
Co 228.615	48.4550	ppb	0.4679	1.0	359.392
Cr 267.716	129.106	ppb	0.1722	0.1	3327.90
Cu 324.754	125.680	ppb	0.1809	0.1	6220.23
Fe 271.441	6787.32	ppb	7.5166	0.1	5927.86
K 766.491	27336.2	ppb	14.5360	0.1	3485931
Mg 279.078	11413.1	ppb	6.1245	0.1	24319.0
Mn 257.610	554.970	ppb	0.2276	0.0	76686.1
Mo 202.032	101.233	ppb	0.6853	0.7	560.057
Na 330.237	42603.3	ppb	23.2555	0.1	2554.69
Ni 231.604	96.8146	ppb	0.3175	0.3	268.614
Pb 220.353	55.3305	ppb	1.3899	2.5	52.6267
Sb 206.834	47.5205	ppb	5.0224	10.6	44.5346
Se 196.026	84.0070	ppb	4.4994	5.4	34.8399
Sn 189.925	187.362	ppb	3.2700	1.7	95.8416
Sr 216.596	346.647	ppb	0.4952	0.1	2512.75
Ti 334.941	111.628	ppb	0.0720	0.1	39076.9
Tl 190.794	33.4789	ppb	5.1912	15.5	11.9558
V 292.401	99.7911	ppb	0.2639	0.3	3189.11
Zn 206.200	159.356	ppb	1.1852	0.7	321.820

CRI (Samp) **9/12/2014, 3:03:00 PM** **Rack 1, Tube 60**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Replicates Concentration		
Ag 328.068	10.1680	10.2666	10.6661
Al 308.215	205.070	202.360	204.697
As 188.980	29.2100	20.8931	20.1210

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Label	Replicates Concentration		
B 249.678	105.650	106.673	106.167
Ba 389.178	10.8846	10.7669	10.8007
Be 313.042	4.0227	3.9880	4.0011
Ca 370.602	498.5	502.0	504.6
Cd 226.502	4.9840	5.1544	5.2415
Co 228.615	9.9747	10.0224	10.2953
Cr 267.716	9.7183	9.6934	9.7481
Cu 324.754	22.4505	22.4651	22.0610
Fe 271.441	50.9128	59.6384	52.9356
K 766.491	1063.73	1063.34	1065.81
Mg 279.078	498.581	494.364	494.930
Mn 257.610	10.5722	10.5736	10.5192
Mo 202.032	9.7982	10.4511	9.2748
Na 330.237	1026.93	1321.36	1093.58
Ni 231.604	40.4716	41.9372	42.0167
Pb 220.353	10.2127	8.0871	11.0672
Sb 206.834	18.7734	20.2534	20.8707
Se 196.026	21.9015	15.1959	21.0432
Sn 189.925	50.2122	45.5563	50.5449
Sr 216.596	9.0422	9.4855	10.0043
Ti 334.941	10.0912	10.1203	10.0667
Tl 190.794	23.7036	26.3064	23.7543
V 292.401	9.6980	9.7797	9.8856
Zn 206.200	20.1842	19.4857	21.5477

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	10.3669	ppb	0.2637	2.5	481.852
Al 308.215	204.043	ppb	1.4687	0.7	1547.21
As 188.980	23.4080	ppb	5.0395	21.5	6.8526
B 249.678	106.163	ppb	0.5117	0.5	1486.51
Ba 389.178	10.8174	ppb	0.0606	0.6	195.191
Be 313.042	4.0039	ppb	0.0175	0.4	6179.06
Ca 370.602	501.7	ppb	3.019	0.6	1860
Cd 226.502	5.1266	ppb	0.1310	2.6	162.418
Co 228.615	10.0975	ppb	0.1730	1.7	66.2521
Cr 267.716	9.7199	ppb	0.0274	0.3	257.239
Cu 324.754	22.3255	ppb	0.2292	1.0	1280.72
Fe 271.441	54.4956	ppb	4.5672	8.4	68.5844
K 766.491	1064.29	ppb	1.3282	0.1	137485
Mg 279.078	495.958	ppb	2.2889	0.5	1086.55
Mn 257.610	10.5550	ppb	0.0310	0.3	1476.33
Mo 202.032	9.8414	ppb	0.5893	6.0	59.1829
Na 330.237	1147.29	ppb	154.388	13.5	119.723
Ni 231.604	41.4752	ppb	0.8700	2.1	116.968
Pb 220.353	9.7890	ppb	1.5346	15.7	9.1847
Sb 206.834	19.9658	ppb	1.0778	5.4	22.5064
Se 196.026	19.3802	ppb	3.6491	18.8	12.2634
Sn 189.925	48.7711	ppb	2.7891	5.7	21.5552
Sr 216.596	9.5106	ppb	0.4815	5.1	68.3477
Ti 334.941	10.0928	ppb	0.0268	0.3	3453.94
Tl 190.794	24.5881	ppb	1.4884	6.1	7.5806
V 292.401	9.7878	ppb	0.0940	1.0	319.852
Zn 206.200	20.4059	ppb	1.0487	5.1	41.9995

Cont Calib Verif (CCV) **9/12/2014, 3:07:28 PM** **Rack 2, Tube 1**

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

Label	Replicates Concentration		
Ag 328.068	494.079	494.319	494.369
Al 308.215	4904.30	4901.16	4894.17
As 188.980	482.223	477.953	475.617
B 249.678	505.851	505.883	508.663
Ba 389.178	4830.47	4832.09	4821.26
Be 313.042	488.035	488.603	489.576
Ca 370.602	4815	4793	4798
Cd 226.502	485.319	484.677	484.618
Co 228.615	484.832	485.250	482.561
Cr 267.716	4830.19	4822.39	4824.02
Cu 324.754	5019.11	5050.56	5076.30
Fe 271.441	4868.38	4882.23	4916.51
K 766.491	10190.7	10169.8	10172.0
Mg 279.078	4844.60	4855.12	4842.93
Mn 257.610	4944.51	4916.47	4909.27
Mo 202.032	484.178	487.252	486.485
Na 330.237	7524.89	7428.80	7289.62
Ni 231.604	2445.43	2432.71	2428.13
Pb 220.353	494.146	487.647	493.642
Sb 206.834	940.561	946.572	944.555
Se 196.026	5003.06	5005.21	5005.09
Sn 189.925	4765.98	4772.97	4770.97
Sr 216.596	2383.75	2374.72	2377.82
Ti 334.941	483.214	482.696	482.760
Tl 190.794	4901.48	4910.49	4909.13
V 292.401	4873.94	4866.44	4871.29
Zn 206.200	2379.05	2376.39	2365.92

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Ag 328.068	494.256	ppb	0.1550	0.0	23916.7	98.85114
Al 308.215	4899.88	ppb	5.1862	0.1	28468.9	97.99757
As 188.980	478.597	ppb	3.3501	0.7	218.439	95.71948
B 249.678	506.799	ppb	1.6144	0.3	6988.78	101.35980
Ba 389.178	4827.94	ppb	5.8408	0.1	101062	96.55881
Be 313.042	488.738	ppb	0.7795	0.2	1143896	97.74755
Ca 370.602	4802	ppb	11.85	0.2	17843	96.03924
Cd 226.502	484.871	ppb	0.3887	0.1	14042.8	96.97424
Co 228.615	484.214	ppb	1.4468	0.3	3686.95	96.84288
Cr 267.716	4825.53	ppb	4.1131	0.1	124096	96.51064
Cu 324.754	5048.66	ppb	28.6422	0.6	243236	100.97318
Fe 271.441	4889.04	ppb	24.7785	0.5	4321.90	97.78079
K 766.491	10177.5	ppb	11.4736	0.1	1298996	101.77500
Mg 279.078	4847.55	ppb	6.6082	0.1	10342.7	96.95100
Mn 257.610	4923.42	ppb	18.6230	0.4	679525	98.46833
Mo 202.032	485.972	ppb	1.5998	0.3	2669.15	97.19435
Na 330.237	7414.44	ppb	118.288	1.6	472.057	98.85917
Ni 231.604	2435.42	ppb	8.9676	0.4	6666.96	97.41684
Pb 220.353	491.812	ppb	3.6155	0.7	475.640	98.36236
Sb 206.834	943.896	ppb	3.0594	0.3	808.854	94.38960
Se 196.026	5004.45	ppb	1.2102	0.0	1727.18	100.08904
Sn 189.925	4769.97	ppb	3.5967	0.1	2551.90	95.39948
Sr 216.596	2378.76	ppb	4.5856	0.2	17100.3	95.15054

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Ti 334.941	482.890	ppb	0.2825	0.1	169244	96.57800
Tl 190.794	4907.03	ppb	4.8578	0.1	2634.54	98.14066
V 292.401	4870.56	ppb	3.7988	0.1	156262	97.41113
Zn 206.200	2373.79	ppb	6.9392	0.3	4772.23	94.95145

Cont Calib Blank (CCB) **9/12/2014, 3:11:55 PM** **Rack 2, Tube 2**

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

Label	Replicates Concentration		
Ag 328.068	0.7124	0.1741	0.3276
Al 308.215	-1.9287u	-2.5914u	-2.8506u
As 188.980	-1.1771u	-3.4012u	2.8661
B 249.678	8.8109	7.9771	7.3473
Ba 389.178	1.2683	0.2559	0.5284
Be 313.042	-0.0607u	-0.0696u	-0.0527u
Ca 370.602	-1.642u	5.210	-2.735u
Cd 226.502	0.0003	0.3280	0.0197
Co 228.615	0.0735	0.9063	0.1085
Cr 267.716	0.1903	0.3804	0.3866
Cu 324.754	1.4770	0.8477	0.8947
Fe 271.441	7.0603	5.4109	-1.2386u
K 766.491	-0.5080u	-0.4879u	-0.8175u
Mg 279.078	-2.4924u	-7.2354u	-1.9505u
Mn 257.610	0.2669	0.1995	0.2007
Mo 202.032	-0.0556u	0.4325	0.9312
Na 330.237	103.566	51.0172	40.7930
Ni 231.604	1.2916	-0.5671u	-0.0529u
Pb 220.353	1.0407	0.7575	3.6482
Sb 206.834	10.8693	4.7952	9.3855
Se 196.026	14.8944	4.2841	4.0657
Sn 189.925	-1.1152u	-1.3929u	2.6414
Sr 216.596	-0.2806u	-0.0459u	0.0364
Ti 334.941	0.1562	0.1500	0.1731
Tl 190.794	5.0195	-2.1179u	1.7222
V 292.401	0.4063	0.3928	0.2454
Zn 206.200	1.0721	-0.4243u	-0.2590u

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Ag 328.068	0.4047	ppb	0.2773	68.5	-0.0752	0.40472
Al 308.215	-2.4569	ppb	0.4755	19.4	374.449	-2.45690
As 188.980	-0.5707	ppb	3.1774	556.7	-4.2914	-0.57074
B 249.678	8.0451	ppb	0.7341	9.1	141.047	8.04511
Ba 389.178	0.6842	ppb	0.5239	76.6	-18.2986	0.68421
Be 313.042	-0.0610	ppb	0.0084	13.8	-3351.50	-0.06101
Ca 370.602	0.2777	ppb	4.307	1550.9	-0.5003	0.27769
Cd 226.502	0.1160	ppb	0.1838	158.5	17.4508	0.11598
Co 228.615	0.3628	ppb	0.4710	129.8	-8.0984	0.36278
Cr 267.716	0.3191	ppb	0.1116	35.0	15.4851	0.31910
Cu 324.754	1.0731	ppb	0.3505	32.7	257.990	1.07312
Fe 271.441	3.7442	ppb	4.3933	117.3	23.7516	3.74420
K 766.491	-0.6045	ppb	0.1847	30.6	1759.77	-0.60448
Mg 279.078	-3.8928	ppb	2.9074	74.7	22.3137	-3.89277
Mn 257.610	0.2224	ppb	0.0386	17.4	47.4099	0.22237
Mo 202.032	0.4360	ppb	0.4934	113.2	7.5845	0.43600

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Na 330.237	65.1255	ppb	33.6810	51.7	56.2688	65.12554
Ni 231.604	0.2239	ppb	0.9597	428.7	4.1032	0.22387
Pb 220.353	1.8155	ppb	1.5935	87.8	1.5094	1.81548
Sb 206.834	8.3500	ppb	3.1667	37.9	12.9899	8.35002
Se 196.026	7.7481	ppb	6.1899	79.9	8.2590	7.74807
Sn 189.925	0.0444	ppb	2.2533	5070.1	-4.5603	0.04444
Sr 216.596	-0.0967	ppb	0.1645	170.1	0.2477	-0.09672
Ti 334.941	0.1598	ppb	0.0120	7.5	-29.9156	0.15977
Tl 190.794	1.5413	ppb	3.5721	231.8	-4.8097	1.54126
V 292.401	0.3481	ppb	0.0893	25.6	18.9119	0.34815
Zn 206.200	0.1296	ppb	0.8204	632.9	1.1679	0.12962

mb 680-348380/1-a (Samp) **9/12/2014, 3:16:23 PM** **Rack 2, Tube 3**

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

Label	Replicates Concentration		
Ag 328.068	0.3279	0.0247	0.1909
Al 308.215	1.3697	0.8303	-0.8293u
As 188.980	-1.0137u	-2.4920u	-1.0766u
B 249.678	4.8822	5.1945	4.7452
Ba 389.178	1.1565	-0.9515u	-0.0272u
Be 313.042	-0.1038u	-0.0986u	-0.0875u
Ca 370.602	5.565	7.423	7.783
Cd 226.502	0.0791	0.2320	0.1620
Co 228.615	0.0329	0.7265	0.2344
Cr 267.716	0.0318	-0.3327u	-0.0885u
Cu 324.754	0.9695	0.8483	0.5956
Fe 271.441	2.1134	-2.1704u	6.3033
K 766.491	0.1577	-0.3420u	-0.0568u
Mg 279.078	-0.9489u	-1.1484u	-1.9749u
Mn 257.610	0.0172	0.0344	0.0703
Mo 202.032	0.4729	0.1908	0.2392
Na 330.237	253.392	171.551	281.542
Ni 231.604	1.2866	-0.2920u	0.1811
Pb 220.353	-1.7880u	0.8541	1.2416
Sb 206.834	0.1608	-2.8838u	-0.3797u
Se 196.026	9.8151	6.7644	1.8317
Sn 189.925	3.8007	1.7403	4.6874
Sr 216.596	0.4288	-0.0065u	-0.3147u
Ti 334.941	0.1866	0.1291	0.1291
Tl 190.794	2.3848	-1.7136u	2.9958
V 292.401	-0.0172u	-0.1232u	-0.0051u
Zn 206.200	1.2757	1.2340	1.6062

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	0.1812	ppb	0.1518	83.8	-10.8911
Al 308.215	0.4569	ppb	1.1461	250.8	390.951
As 188.980	-1.5274	ppb	0.8360	54.7	-4.7360
B 249.678	4.9407	ppb	0.2303	4.7	98.4296
Ba 389.178	0.0592	ppb	1.0566	1783.5	-31.3787
Be 313.042	-0.0966	ppb	0.0083	8.6	-3435.04
Ca 370.602	6.924	ppb	1.190	17.2	24.17
Cd 226.502	0.1577	ppb	0.0765	48.5	18.6530
Co 228.615	0.3313	ppb	0.3568	107.7	-8.3361

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Cr 267.716	-0.1298	ppb	0.1857	143.1	3.9420
Cu 324.754	0.8044	ppb	0.1908	23.7	245.049
Fe 271.441	2.0821	ppb	4.2370	203.5	22.2866
K 766.491	-0.0803	ppb	0.2507	312.0	1826.57
Mg 279.078	-1.3574	ppb	0.5440	40.1	27.7146
Mn 257.610	0.0406	ppb	0.0271	66.6	22.3409
Mo 202.032	0.3010	ppb	0.1509	50.1	6.8439
Na 330.237	235.495	ppb	57.1375	24.3	66.2928
Ni 231.604	0.3919	ppb	0.8101	206.7	4.5629
Pb 220.353	0.1025	ppb	1.6487	1608.1	-0.1434
Sb 206.834	-1.0342	ppb	1.6244	157.1	5.2231
Se 196.026	6.1370	ppb	4.0285	65.6	7.7050
Sn 189.925	3.4095	ppb	1.5120	44.3	-2.7568
Sr 216.596	0.0358	ppb	0.3736	1042.1	1.2046
Ti 334.941	0.1483	ppb	0.0332	22.4	-33.9506
Tl 190.794	1.2223	ppb	2.5609	209.5	-4.9815
V 292.401	-0.0485	ppb	0.0650	134.0	6.2240
Zn 206.200	1.3720	ppb	0.2039	14.9	3.6722

lcs 680-348380/2-a (Samp) **9/12/2014, 3:20:50 PM** **Rack 2, Tube 4**

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

Label	Replicates Concentration		
Ag 328.068	103.206	103.561	103.760
Al 308.215	10048.3	10062.5	10067.6
As 188.980	203.394	211.137	193.743
B 249.678	398.332	399.262	400.129
Ba 389.178	192.689	193.601	195.311
Be 313.042	101.371	101.527	101.567
Ca 370.602	9524	9530	9542
Cd 226.502	99.4839	99.4902	99.7289
Co 228.615	99.8318	98.6399	99.5883
Cr 267.716	198.341	198.513	198.360
Cu 324.754	209.494	208.194	209.533
Fe 271.441	9840.44	9851.27	9843.66
K 766.491	11120.1	11140.4	11133.8
Mg 279.078	9570.09	9589.44	9589.80
Mn 257.610	1017.42	1019.34	1019.49
Mo 202.032	197.231	198.149	198.501
Na 330.237	87802.8	88310.0	88173.3
Ni 231.604	195.917	196.132	194.275
Pb 220.353	99.0101	97.9578	103.978
Sb 206.834	100.952	103.005	100.196
Se 196.026	207.981	209.717	198.355
Sn 189.925	383.022	384.358	384.839
Sr 216.596	190.990	191.092	191.407
Ti 334.941	200.462	200.726	200.988
Tl 190.794	69.9387	68.0580	75.6747
V 292.401	201.950	201.481	202.501
Zn 206.200	194.577	192.411	194.882

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	103.509	ppb	0.2809	0.3	4989.97
Al 308.215	10059.5	ppb	10.0273	0.1	57489.7

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
As 188.980	202.758	ppb	8.7141	4.3	90.1667
B 249.678	399.241	ppb	0.8984	0.2	5499.41
Ba 389.178	193.867	ppb	1.3311	0.7	4067.82
Be 313.042	101.489	ppb	0.1035	0.1	234727
Ca 370.602	9532	ppb	8.807	0.1	35256
Cd 226.502	99.5676	ppb	0.1397	0.1	2916.85
Co 228.615	99.3533	ppb	0.6297	0.6	747.882
Cr 267.716	198.404	ppb	0.0945	0.0	5110.01
Cu 324.754	209.073	ppb	0.7623	0.4	10261.7
Fe 271.441	9845.13	ppb	5.5602	0.1	8591.54
K 766.491	11131.5	ppb	10.3649	0.1	1420582
Mg 279.078	9583.11	ppb	11.2778	0.1	20416.4
Mn 257.610	1018.75	ppb	1.1545	0.1	140687
Mo 202.032	197.961	ppb	0.6558	0.3	1090.50
Na 330.237	88095.4	ppb	262.430	0.3	5229.32
Ni 231.604	195.441	ppb	1.0156	0.5	538.563
Pb 220.353	100.315	ppb	3.2153	3.2	95.8902
Sb 206.834	101.385	ppb	1.4534	1.4	87.9404
Se 196.026	205.351	ppb	6.1202	3.0	76.5226
Sn 189.925	384.073	ppb	0.9415	0.2	201.278
Sr 216.596	191.163	ppb	0.2170	0.1	1381.58
Ti 334.941	200.725	ppb	0.2628	0.1	70310.7
Tl 190.794	71.2238	ppb	3.9676	5.6	32.1794
V 292.401	201.977	ppb	0.5109	0.3	6450.51
Zn 206.200	193.957	ppb	1.3475	0.7	391.435

lb2 680-348171/2-c (Samp) **9/12/2014, 3:25:18 PM** **Rack 2, Tube 5**

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

Label	Replicates Concentration		
Ag 328.068	0.2111	-0.0279u	-0.3472u
Al 308.215	2.8288	1.5913	0.0162
As 188.980	4.3097	-2.9678u	-5.7289u
B 249.678	6.7733	6.6296	6.2621
Ba 389.178	0.7990	0.0129	-0.9049u
Be 313.042	-0.0820u	-0.0973u	-0.1009u
Ca 370.602	10.65	13.44	14.79
Cd 226.502	0.2277	-0.0019u	0.3086
Co 228.615	-0.4079u	0.2140	0.4571
Cr 267.716	-0.0531u	-0.1476u	-0.1154u
Cu 324.754	1.0060	0.7618	0.7977
Fe 271.441	1.4957	9.4598	-2.7170u
K 766.491	8.6435	8.9461	8.7737
Mg 279.078	-0.4237u	-1.1794u	-4.9293u
Mn 257.610	0.0198	0.0808	0.0598
Mo 202.032	-0.3978u	0.5322	0.3723
Na 330.237	77552.1	77932.1	77896.0
Ni 231.604	2.3974	-0.1216u	0.6573
Pb 220.353	1.1254	3.8572	-1.3198u
Sb 206.834	-0.3357u	-3.7479u	0.0067
Se 196.026	10.3293	11.8653	4.2604
Sn 189.925	2.6464	1.1265	-1.6949u
Sr 216.596	0.5208	-0.4341u	0.2953
Ti 334.941	0.1926	0.1739	0.1205

Label	Replicates Concentration		
Tl 190.794	-5.1691u	-4.9890u	0.9363
V 292.401	-0.1125u	0.2195	0.1199
Zn 206.200	1.2264	1.8065	1.6230

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.0547	ppb	0.2801	512.5	-22.2978
Al 308.215	1.4787	ppb	1.4097	95.3	396.742
As 188.980	-1.4623	ppb	5.1858	354.6	-4.7058
B 249.678	6.5550	ppb	0.2636	4.0	120.556
Ba 389.178	-0.0310	ppb	0.8528	2751.2	-33.2626
Be 313.042	-0.0934	ppb	0.0101	10.8	-3436.93
Ca 370.602	12.96	ppb	2.107	16.3	46.49
Cd 226.502	0.1781	ppb	0.1611	90.4	18.9669
Co 228.615	0.0877	ppb	0.4461	508.6	-10.1931
Cr 267.716	-0.1054	ppb	0.0481	45.6	5.2006
Cu 324.754	0.8552	ppb	0.1318	15.4	247.480
Fe 271.441	2.7461	ppb	6.1839	225.2	22.8488
K 766.491	8.7878	ppb	0.1518	1.7	2956.85
Mg 279.078	-2.1775	ppb	2.4129	110.8	25.9610
Mn 257.610	0.0535	ppb	0.0310	57.9	23.9027
Mo 202.032	0.1689	ppb	0.4972	294.4	6.1188
Na 330.237	77793.4	ppb	209.760	0.3	4631.02
Ni 231.604	0.9777	ppb	1.2897	131.9	6.1657
Pb 220.353	1.2209	ppb	2.5898	212.1	0.9358
Sb 206.834	-1.3590	ppb	2.0760	152.8	4.9580
Se 196.026	8.8183	ppb	4.0213	45.6	8.6271
Sn 189.925	0.6927	ppb	2.2029	318.0	-4.1977
Sr 216.596	0.1274	ppb	0.4991	391.8	1.8551
Ti 334.941	0.1623	ppb	0.0374	23.1	-35.4642
Tl 190.794	-3.0739	ppb	3.4741	113.0	-7.2898
V 292.401	0.0756	ppb	0.1704	225.3	9.6493
Zn 206.200	1.5519	ppb	0.2965	19.1	4.0347

680-105049-a-1-e (Samp) **9/12/2014, 3:29:45 PM** **Rack 2, Tube 6**

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

Label	Replicates Concentration		
Ag 328.068	0.2446	-0.6536u	-0.2376u
Al 308.215	27.5454	25.6088	24.6052
As 188.980	-2.6470u	-0.7267u	-4.7230u
B 249.678	12.6693	12.5852	12.5949
Ba 389.178	-1.3480u	-1.3737u	-1.6449u
Be 313.042	-0.0888u	-0.0848u	-0.0958u
Ca 370.602	13214	13234	13206
Cd 226.502	0.2734	0.0060u	0.0623
Co 228.615	0.3933	0.4245	0.0790
Cr 267.716	0.3616	0.5162	0.2048
Cu 324.754	0.8932	1.0048	0.7922
Fe 271.441	-6.3093u	-5.1292u	-14.5378u
K 766.491	297.737	296.881	296.512
Mg 279.078	895.462	893.022	889.530
Mn 257.610	209.084	209.409	209.230
Mo 202.032	0.3565	-0.3267u	-0.2835u
Na 330.237	79181.2	79129.4	79131.8

Label	Replicates Concentration		
Ni 231.604	3.0077	3.9249	2.1159
Pb 220.353	2.0199	2.0420	3.2169
Sb 206.834	-2.5052u	-3.9894u	-2.6940u
Se 196.026	-4.3773u	1.6372	0.6148
Sn 189.925	-1.2005u	0.9057	-2.7083u
Sr 216.596	44.7264	45.1558	44.8542
Ti 334.941	0.1371	0.1187	0.2104
Tl 190.794	-3.1493u	-1.0660u	-3.3945u
V 292.401	0.2693	0.4774	0.2529
Zn 206.200	2.8564	1.5141	3.0123

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.2155	ppb	0.4495	208.6	-29.4084
Al 308.215	25.9198	ppb	1.4946	5.8	535.427
As 188.980	-2.6989	ppb	1.9987	74.1	-5.2804
B 249.678	12.6165	ppb	0.0460	0.4	203.674
Ba 389.178	-1.4555	ppb	0.1645	11.3	-60.8871
Be 313.042	-0.0898	ppb	0.0056	6.2	-3423.38
Ca 370.602	13218	ppb	14.34	0.1	49018
Cd 226.502	0.1139	ppb	0.1410	123.8	17.0726
Co 228.615	0.2989	ppb	0.1911	63.9	-8.5761
Cr 267.716	0.3609	ppb	0.1557	43.1	17.2027
Cu 324.754	0.8968	ppb	0.1063	11.9	236.832
Fe 271.441	-8.6588	ppb	5.1254	59.2	12.9512
K 766.491	297.043	ppb	0.6283	0.2	39696.1
Mg 279.078	892.671	ppb	2.9818	0.3	1931.40
Mn 257.610	209.241	ppb	0.1626	0.1	28898.5
Mo 202.032	-0.0846	ppb	0.3826	452.4	4.7294
Na 330.237	79147.5	ppb	29.2768	0.0	4710.72
Ni 231.604	3.0161	ppb	0.9045	30.0	11.7423
Pb 220.353	2.4263	ppb	0.6848	28.2	2.0981
Sb 206.834	-3.0629	ppb	0.8079	26.4	3.5539
Se 196.026	-0.7084	ppb	3.2182	454.3	5.4472
Sn 189.925	-1.0011	ppb	1.8153	181.3	-5.1052
Sr 216.596	44.9121	ppb	0.2205	0.5	328.038
Ti 334.941	0.1554	ppb	0.0485	31.2	-36.1283
Tl 190.794	-2.5366	ppb	1.2794	50.4	-6.9663
V 292.401	0.3332	ppb	0.1252	37.6	17.9454
Zn 206.200	2.4609	ppb	0.8237	33.5	5.8647

680-105049-a-1-eSD^5 (Samp) **9/12/2014, 3:34:12 PM** **Rack 2, Tube 7**

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

Label	Replicates Concentration		
Ag 328.068	0.6219	0.4712	-0.0533u
Al 308.215	5.3309	4.5552	3.5317
As 188.980	0.9217	-4.0355u	3.9157
B 249.678	4.1350	4.8542	4.9009
Ba 389.178	-0.3132u	-0.4443u	0.5876
Be 313.042	-0.0835u	-0.0913u	-0.0892u
Ca 370.602	3011	2941	2871
Cd 226.502	0.0031	0.0517	0.2181
Co 228.615	0.5179	0.1505	-0.5962u
Cr 267.716	0.1292	-0.3035u	-0.0192u

Label	Replicates Concentration		
Cu 324.754	0.6666	0.3710	0.6949
Fe 271.441	-4.5971u	-8.8554u	-9.2822u
K 766.491	63.3970	61.7798	60.4943
Mg 279.078	207.183	200.963	196.537
Mn 257.610	48.0183	46.7865	45.5819
Mo 202.032	-0.8242u	0.3697	0.1155
Na 330.237	17860.8	17345.9	16928.4
Ni 231.604	0.1309	1.2181	0.5853
Pb 220.353	-1.1090u	2.0774	5.2628
Sb 206.834	2.1318	1.8485	-2.3251u
Se 196.026	-0.4983u	2.5698	3.7621
Sn 189.925	-1.8122u	-1.9997u	-1.4820u
Sr 216.596	9.9613	9.4566	9.9373
Ti 334.941	0.0447	0.0693	0.0595
Tl 190.794	-5.3862u	2.5211	-5.4633u
V 292.401	0.1235	-0.0798u	0.0094
Zn 206.200	1.6330	0.1077	0.5351

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	0.3466	ppb	0.3544	102.3	-2.7392
Al 308.215	4.4726	ppb	0.9025	20.2	413.718
As 188.980	0.2673	ppb	4.0158	1502.3	-3.9021
B 249.678	4.6300	ppb	0.4294	9.3	94.1784
Ba 389.178	-0.0567	ppb	0.5618	991.7	-33.3106
Be 313.042	-0.0880	ppb	0.0040	4.6	-3415.68
Ca 370.602	2941	ppb	70.17	2.4	10905
Cd 226.502	0.0910	ppb	0.1127	123.9	16.6497
Co 228.615	0.0241	ppb	0.5677	2358.0	-10.6772
Cr 267.716	-0.0645	ppb	0.2198	340.8	5.7596
Cu 324.754	0.5775	ppb	0.1794	31.1	231.303
Fe 271.441	-7.5782	ppb	2.5906	34.2	13.8778
K 766.491	61.8903	ppb	1.4545	2.4	9724.96
Mg 279.078	201.561	ppb	5.3484	2.7	459.801
Mn 257.610	46.7956	ppb	1.2182	2.6	6475.99
Mo 202.032	-0.1130	ppb	0.6289	556.6	4.5729
Na 330.237	17378.4	ppb	467.045	2.7	1075.26
Ni 231.604	0.6448	ppb	0.5461	84.7	5.2545
Pb 220.353	2.0771	ppb	3.1859	153.4	1.7619
Sb 206.834	0.5517	ppb	2.4954	452.3	6.5432
Se 196.026	1.9445	ppb	2.1979	113.0	6.2847
Sn 189.925	-1.7646	ppb	0.2621	14.9	-5.5265
Sr 216.596	9.7851	ppb	0.2847	2.9	72.2353
Ti 334.941	0.0578	ppb	0.0124	21.5	-66.6633
Tl 190.794	-2.7761	ppb	4.5877	165.3	-7.1215
V 292.401	0.0177	ppb	0.1019	575.7	8.3092
Zn 206.200	0.7586	ppb	0.7868	103.7	2.4360

680-105049-a-1-ePDS (Samp) **9/12/2014, 3:38:40 PM** **Rack 2, Tube 8**

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

Label	Replicates Concentration		
Ag 328.068	46.4269	46.7809	46.3142
Al 308.215	2181.35	2175.85	2178.12
As 188.980	211.557	207.086	206.302

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Label	Replicates Concentration		
B 249.678	530.378	531.877	533.963
Ba 389.178	211.179	211.501	211.009
Be 313.042	54.6895	54.5223	54.6170
Ca 370.602	15386	15357	15372
Cd 226.502	54.2627	53.8685	53.9908
Co 228.615	213.831	212.796	213.637
Cr 267.716	213.985	213.507	214.165
Cu 324.754	228.038	228.072	228.253
Fe 271.441	2136.19	2134.38	2134.06
K 766.491	2847.65	2839.70	2849.47
Mg 279.078	3024.52	3013.36	3010.72
Mn 257.610	435.238	433.874	434.372
Mo 202.032	212.534	212.714	212.058
Na 330.237	83409.8	83046.6	83402.3
Ni 231.604	211.837	213.919	213.965
Pb 220.353	212.035	208.546	210.882
Sb 206.834	205.987	199.762	206.327
Se 196.026	215.931	222.022	211.574
Sn 189.925	211.775	218.892	213.403
Sr 216.596	254.298	253.314	254.452
Ti 334.941	214.280	213.935	214.469
Tl 190.794	204.577	200.595	209.148
V 292.401	214.981	215.065	215.052
Zn 206.200	210.335	212.101	212.212

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	46.5073	ppb	0.2435	0.5	2231.55
Al 308.215	2178.44	ppb	2.7612	0.1	12773.2
As 188.980	208.315	ppb	2.8346	1.4	92.8045
B 249.678	532.073	ppb	1.8009	0.3	7327.16
Ba 389.178	211.230	ppb	0.2498	0.1	4401.34
Be 313.042	54.6096	ppb	0.0838	0.2	124838
Ca 370.602	15372	ppb	14.07	0.1	57021
Cd 226.502	54.0407	ppb	0.2018	0.4	1581.40
Co 228.615	213.421	ppb	0.5505	0.3	1619.03
Cr 267.716	213.885	ppb	0.3399	0.2	5508.05
Cu 324.754	228.121	ppb	0.1154	0.1	11173.1
Fe 271.441	2134.88	ppb	1.1494	0.1	1892.13
K 766.491	2845.60	ppb	5.1929	0.2	364519
Mg 279.078	3016.20	ppb	7.3227	0.2	6448.73
Mn 257.610	434.495	ppb	0.6904	0.2	60001.9
Mo 202.032	212.435	ppb	0.3390	0.2	1170.54
Na 330.237	83286.2	ppb	207.581	0.2	4949.39
Ni 231.604	213.240	ppb	1.2153	0.6	586.990
Pb 220.353	210.488	ppb	1.7777	0.8	202.535
Sb 206.834	204.025	ppb	3.6963	1.8	172.740
Se 196.026	216.509	ppb	5.2482	2.4	80.2092
Sn 189.925	214.690	ppb	3.7289	1.7	110.496
Sr 216.596	254.021	ppb	0.6172	0.2	1830.88
Ti 334.941	214.228	ppb	0.2708	0.1	75030.4
Tl 190.794	204.773	ppb	4.2800	2.1	104.550
V 292.401	215.032	ppb	0.0453	0.0	6862.99
Zn 206.200	211.549	ppb	1.0530	0.5	426.677

680-105049-a-1-f ms (Samp) **9/12/2014, 3:43:09 PM** **Rack 2, Tube 9**

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

Label	Replicates Concentration		
Ag 328.068	161.560	160.107	160.728
Al 308.215	1589.48	1592.00	1599.17
As 188.980	155.846	154.977	160.524
B 249.678	318.707	319.935	319.548
Ba 389.178	149.345	148.750	148.980
Be 313.042	155.964	155.910	156.070
Ca 370.602	25285	25282	25309
Cd 226.502	152.474	152.781	152.357
Co 228.615	151.684	151.873	151.403
Cr 267.716	154.707	154.264	154.629
Cu 324.754	164.838	165.441	165.135
Fe 271.441	15449.0	15469.1	15451.2
K 766.491	17329.9	17330.4	17334.8
Mg 279.078	15808.4	15822.2	15860.2
Mn 257.610	1768.18	1767.50	1769.64
Mo 202.032	155.094	156.406	156.507
Na 330.237	79658.1	79541.2	79287.0
Ni 231.604	152.395	154.750	154.562
Pb 220.353	163.531	154.416	157.971
Sb 206.834	156.854	155.397	159.436
Se 196.026	157.236	158.948	164.831
Sn 189.925	146.687	152.147	148.547
Sr 216.596	188.299	186.780	185.942
Ti 334.941	157.541	157.684	157.564
Tl 190.794	31.6560	20.1468	30.8857
V 292.401	158.757	159.553	158.883
Zn 206.200	149.345	149.830	151.613

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	160.798	ppb	0.7290	0.5	7762.90
Al 308.215	1593.55	ppb	5.0236	0.3	9448.12
As 188.980	157.116	ppb	2.9833	1.9	68.9102
B 249.678	319.397	ppb	0.6276	0.2	4401.62
Ba 389.178	149.025	ppb	0.3000	0.2	3154.50
Be 313.042	155.982	ppb	0.0816	0.1	362467
Ca 370.602	25292	ppb	15.01	0.1	93615
Cd 226.502	152.537	ppb	0.2190	0.1	4462.31
Co 228.615	151.653	ppb	0.2361	0.2	1147.92
Cr 267.716	154.533	ppb	0.2366	0.2	3981.74
Cu 324.754	165.138	ppb	0.3013	0.2	8131.67
Fe 271.441	15456.4	ppb	11.0356	0.1	13475.9
K 766.491	17331.7	ppb	2.7254	0.0	2210821
Mg 279.078	15830.2	ppb	26.8351	0.2	33707.2
Mn 257.610	1768.44	ppb	1.0925	0.1	244198
Mo 202.032	156.002	ppb	0.7886	0.5	859.848
Na 330.237	79495.4	ppb	189.721	0.2	4721.49
Ni 231.604	153.902	ppb	1.3091	0.9	425.105
Pb 220.353	158.640	ppb	4.5943	2.9	152.448
Sb 206.834	157.229	ppb	2.0453	1.3	134.582
Se 196.026	160.338	ppb	3.9834	2.5	61.3013
Sn 189.925	149.127	ppb	2.7762	1.9	75.3567
Sr 216.596	187.007	ppb	1.1948	0.6	1360.53

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ti 334.941	157.597	ppb	0.0770	0.0	55202.1
Tl 190.794	27.5628	ppb	6.4340	23.3	8.5611
V 292.401	159.064	ppb	0.4279	0.3	5084.99
Zn 206.200	150.262	ppb	1.1942	0.8	303.625

680-105049-a-1-g msd (Samp) **9/12/2014, 3:47:37 PM** **Rack 2, Tube 10**

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

Label	Replicates Concentration		
Ag 328.068	162.828	163.485	162.480
Al 308.215	1644.82	1646.45	1645.23
As 188.980	156.524	167.645	158.238
B 249.678	327.195	325.798	328.617
Ba 389.178	153.344	153.540	154.556
Be 313.042	161.030	160.770	160.935
Ca 370.602	25761	25771	25756
Cd 226.502	156.673	156.269	156.547
Co 228.615	157.816	156.746	155.550
Cr 267.716	160.096	159.401	158.733
Cu 324.754	170.202	170.610	170.682
Fe 271.441	15947.6	15898.3	15909.0
K 766.491	17901.3	17858.7	17897.6
Mg 279.078	16266.1	16280.0	16280.6
Mn 257.610	1820.42	1817.93	1819.99
Mo 202.032	160.664	159.812	160.012
Na 330.237	80194.4	80017.5	79980.4
Ni 231.604	158.757	157.975	158.530
Pb 220.353	157.677	160.251	157.986
Sb 206.834	162.353	156.300	160.318
Se 196.026	159.167	166.661	165.852
Sn 189.925	152.051	146.777	155.513
Sr 216.596	192.118	190.565	191.000
Ti 334.941	162.488	162.364	162.576
Tl 190.794	29.5464	33.3165	23.2755
V 292.401	164.178	164.032	164.124
Zn 206.200	154.463	154.814	154.359

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	162.931	ppb	0.5105	0.3	7866.19
Al 308.215	1645.50	ppb	0.8486	0.1	9743.39
As 188.980	160.802	ppb	5.9879	3.7	70.6209
B 249.678	327.203	ppb	1.4094	0.4	4508.39
Ba 389.178	153.814	ppb	0.6508	0.4	3256.70
Be 313.042	160.912	ppb	0.1312	0.1	374026
Ca 370.602	25763	ppb	7.625	0.0	95357
Cd 226.502	156.496	ppb	0.2068	0.1	4577.93
Co 228.615	156.704	ppb	1.1333	0.7	1186.53
Cr 267.716	159.410	ppb	0.6819	0.4	4107.15
Cu 324.754	170.498	ppb	0.2590	0.2	8389.22
Fe 271.441	15918.3	ppb	25.9414	0.2	13878.1
K 766.491	17885.9	ppb	23.5726	0.1	2281453
Mg 279.078	16275.6	ppb	8.2529	0.1	34654.5
Mn 257.610	1819.45	ppb	1.3316	0.1	251241
Mo 202.032	160.163	ppb	0.4457	0.3	882.636

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Na 330.237	80064.1	ppb	114.340	0.1	4754.66
Ni 231.604	158.421	ppb	0.4024	0.3	437.483
Pb 220.353	158.638	ppb	1.4055	0.9	152.436
Sb 206.834	159.657	ppb	3.0802	1.9	136.554
Se 196.026	163.893	ppb	4.1131	2.5	62.5393
Sn 189.925	151.447	ppb	4.3993	2.9	76.6001
Sr 216.596	191.227	ppb	0.8011	0.4	1391.23
Ti 334.941	162.476	ppb	0.1066	0.1	56914.1
Tl 190.794	28.7128	ppb	5.0722	17.7	9.1607
V 292.401	164.111	ppb	0.0736	0.0	5246.32
Zn 206.200	154.545	ppb	0.2382	0.2	312.253

680-105050-a-1-c (Samp) **9/12/2014, 3:52:06 PM** **Rack 2, Tube 11**

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

Label	Replicates	Concentration	
Ag 328.068	0.4135	-0.3486u	-0.0426u
Al 308.215	4.9771	6.7477	6.4458
As 188.980	-3.6273u	-4.9870u	-8.8054u
B 249.678	15.5259	14.8970	14.7778
Ba 389.178	16.5804	16.2102	16.2063
Be 313.042	-0.1402u	-0.1253u	-0.1382u
Ca 370.602	43556	43530	43549
Cd 226.502	0.1536	0.2247	0.2531
Co 228.615	-0.1951u	0.4092	0.9146
Cr 267.716	-0.1250u	0.0894	0.0901
Cu 324.754	1.7710	1.2938	1.4070
Fe 271.441	-34.9004u	-17.0607u	-17.8439u
K 766.491	215.073	214.998	215.103
Mg 279.078	757.668	750.747	755.274
Mn 257.610	60.3186	60.0933	60.2534
Mo 202.032	0.7918	1.3622	1.0375
Na 330.237	76404.2	75981.0	76141.3
Ni 231.604	1.1167	0.3372	0.9875
Pb 220.353	5.4322	2.5761	5.7516
Sb 206.834	0.1198	-0.4386u	-0.9110u
Se 196.026	0.7321	-6.1569u	10.8405
Sn 189.925	-2.9988u	-2.4622u	-8.1312u
Sr 216.596	24.3662	23.5610	25.0090
Ti 334.941	0.3423	0.3171	0.3037
Tl 190.794	1.9687	-1.4662u	-2.2398u
V 292.401	0.0301	0.1274	0.0334
Zn 206.200	13.5657	13.3798	13.1159

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	0.0074	ppb	0.3835	5164.7	-19.1447
Al 308.215	6.0569	ppb	0.9472	15.6	422.781
As 188.980	-5.8066	ppb	2.6846	46.2	-6.7240
B 249.678	15.0669	ppb	0.4019	2.7	237.319
Ba 389.178	16.3323	ppb	0.2149	1.3	311.099
Be 313.042	-0.1345	ppb	0.0081	6.0	-3515.66
Ca 370.602	43545	ppb	13.31	0.0	161488
Cd 226.502	0.2104	ppb	0.0513	24.4	19.8314
Co 228.615	0.3762	ppb	0.5556	147.7	-8.0063

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Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Cr 267.716	0.0182	ppb	0.1240	682.4	8.3647
Cu 324.754	1.4906	ppb	0.2493	16.7	236.410
Fe 271.441	-23.2683	ppb	10.0813	43.3	0.2690
K 766.491	215.058	ppb	0.0540	0.0	29246.7
Mg 279.078	754.563	ppb	3.5145	0.5	1637.36
Mn 257.610	60.2218	ppb	0.1160	0.2	8332.12
Mo 202.032	1.0638	ppb	0.2861	26.9	11.0320
Na 330.237	76175.5	ppb	213.655	0.3	4535.78
Ni 231.604	0.8138	ppb	0.4178	51.3	5.7160
Pb 220.353	4.5866	ppb	1.7485	38.1	4.1821
Sb 206.834	-0.4099	ppb	0.5160	125.9	5.7279
Se 196.026	1.8052	ppb	8.5494	473.6	6.4466
Sn 189.925	-4.5308	ppb	3.1296	69.1	-6.9975
Sr 216.596	24.3121	ppb	0.7255	3.0	185.852
Ti 334.941	0.3210	ppb	0.0196	6.1	21.8902
Tl 190.794	-0.5791	ppb	2.2401	386.8	-5.9373
V 292.401	0.0636	ppb	0.0552	86.9	9.0309
Zn 206.200	13.3538	ppb	0.2260	1.7	27.8123

680-105050-a-2-f (Samp) **9/12/2014, 3:56:35 PM** **Rack 2, Tube 12**

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

Label	Replicates Concentration		
Ag 328.068	0.3711	-0.2168u	0.1042
Al 308.215	148.223	146.546	147.667
As 188.980	-4.1552u	-1.0032u	0.7681
B 249.678	32.9032	33.0184	33.0259
Ba 389.178	24.1590	25.5249	25.7524
Be 313.042	-0.1410u	-0.1349u	-0.1270u
Ca 370.602	60941	60960	60873
Cd 226.502	-0.0074u	0.0072u	-0.0523u
Co 228.615	0.2008	-0.1203u	0.1160
Cr 267.716	0.9255	0.7936	0.6098
Cu 324.754	7.5491	7.3329	7.4004
Fe 271.441	-45.1015u	-40.6150u	-43.1442u
K 766.491	766.129	765.722	767.130
Mg 279.078	6.3552	5.3403	4.4955
Mn 257.610	-0.0450u	-0.0632u	-0.0402u
Mo 202.032	1.3901	1.1255	0.5506
Na 330.237	68006.3	68115.6	68217.5
Ni 231.604	-0.1451u	-0.3240u	1.1225
Pb 220.353	1.7249	9.1249	4.7915
Sb 206.834	-0.7670u	0.5574	4.5890
Se 196.026	6.0576	6.8623	-0.0804
Sn 189.925	-1.4162u	3.9758	0.3037
Sr 216.596	44.0111	42.8198	43.5899
Ti 334.941	0.2024	0.1793	0.2552
Tl 190.794	-3.6125u	-4.4267u	-4.0089u
V 292.401	0.2370	0.3812	0.0094u
Zn 206.200	0.9382	1.5196	0.5472

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	0.0862	ppb	0.2943	341.6	-15.5427
Al 308.215	147.479	ppb	0.8543	0.6	1225.24

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Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
As 188.980	-1.4634	ppb	2.4937	170.4	-4.7058
B 249.678	32.9825	ppb	0.0688	0.2	482.990
Ba 389.178	25.1454	ppb	0.8618	3.4	493.689
Be 313.042	-0.1343	ppb	0.0070	5.2	-3506.91
Ca 370.602	60925	ppb	45.56	0.1	225940
Cd 226.502	-0.0175	ppb	0.0310	177.3	13.2178
Co 228.615	0.0655	ppb	0.1664	254.1	-10.3813
Cr 267.716	0.7763	ppb	0.1585	20.4	27.7996
Cu 324.754	7.4275	ppb	0.1106	1.5	505.645
Fe 271.441	-42.9536	ppb	2.2493	5.2	-16.8753
K 766.491	766.327	ppb	0.7249	0.1	99508.0
Mg 279.078	5.3970	ppb	0.9312	17.3	42.1929
Mn 257.610	-0.0495	ppb	0.0122	24.6	10.1041
Mo 202.032	1.0221	ppb	0.4292	42.0	10.8042
Na 330.237	68113.1	ppb	105.640	0.2	4061.31
Ni 231.604	0.2178	ppb	0.7886	362.1	4.0849
Pb 220.353	5.2138	ppb	3.7181	71.3	4.7822
Sb 206.834	1.4598	ppb	2.7897	191.1	7.2810
Se 196.026	4.2798	ppb	3.7975	88.7	7.3782
Sn 189.925	0.9544	ppb	2.7543	288.6	-4.0593
Sr 216.596	43.4736	ppb	0.6041	1.4	327.980
Ti 334.941	0.2123	ppb	0.0389	18.3	-17.1244
Tl 190.794	-4.0160	ppb	0.4072	10.1	-7.7935
V 292.401	0.2092	ppb	0.1875	89.6	13.7207
Zn 206.200	1.0017	ppb	0.4893	48.8	2.9227

Cont Calib Verif (CCV) **9/12/2014, 4:01:03 PM** **Rack 2, Tube 13**

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

Label	Replicates Concentration		
Ag 328.068	494.006	498.293	497.343
Al 308.215	4911.05	4918.39	4941.08
As 188.980	471.520	482.074	486.414
B 249.678	504.065	508.950	511.734
Ba 389.178	4836.94	4841.84	4862.97
Be 313.042	490.433	492.572	492.971
Ca 370.602	4809	4815	4846
Cd 226.502	486.342	486.837	488.375
Co 228.615	485.630	488.026	486.541
Cr 267.716	4834.39	4848.00	4867.08
Cu 324.754	5021.76	5072.32	5062.04
Fe 271.441	4893.31	4921.56	4923.69
K 766.491	10181.6	10232.3	10261.4
Mg 279.078	4863.42	4858.48	4881.51
Mn 257.610	4934.87	4954.97	4967.49
Mo 202.032	484.731	488.812	490.658
Na 330.237	7152.23	7521.30	7527.29
Ni 231.604	2434.15	2441.63	2441.22
Pb 220.353	487.975	494.401	498.799
Sb 206.834	958.450	960.950	959.904
Se 196.026	5002.58	5001.37	5058.15
Sn 189.925	4794.43	4787.71	4794.07
Sr 216.596	2381.40	2382.28	2395.28
Ti 334.941	484.205	484.764	486.712

Label	Replicates Concentration		
Tl 190.794	4918.17	4922.95	4933.47
V 292.401	4882.58	4892.61	4909.81
Zn 206.200	2375.57	2374.35	2386.41

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Ag 328.068	496.547	ppb	2.2517	0.5	24027.7	99.30944
Al 308.215	4923.51	ppb	15.6576	0.3	28604.3	98.47012
As 188.980	480.003	ppb	7.6597	1.6	219.092	96.00051
B 249.678	508.250	ppb	3.8825	0.8	7008.86	101.64995
Ba 389.178	4847.25	ppb	13.8341	0.3	101466	96.94505
Be 313.042	491.992	ppb	1.3648	0.3	1151533	98.39845
Ca 370.602	4823	ppb	20.09	0.4	17922	96.46475
Cd 226.502	487.184	ppb	1.0603	0.2	14109.8	97.43687
Co 228.615	486.732	ppb	1.2092	0.2	3706.18	97.34647
Cr 267.716	4849.82	ppb	16.4240	0.3	124721	96.99649
Cu 324.754	5052.04	ppb	26.7219	0.5	243399	101.04073
Fe 271.441	4912.85	ppb	16.9574	0.3	4342.92	98.25707
K 766.491	10225.1	ppb	40.3582	0.4	1305065	102.25118
Mg 279.078	4867.80	ppb	12.1206	0.2	10385.8	97.35605
Mn 257.610	4952.45	ppb	16.4599	0.3	683531	99.04890
Mo 202.032	488.067	ppb	3.0329	0.6	2680.63	97.61344
Na 330.237	7400.27	ppb	214.830	2.9	471.160	98.67030
Ni 231.604	2439.00	ppb	4.2054	0.2	6676.75	97.55993
Pb 220.353	493.725	ppb	5.4436	1.1	477.492	98.74498
Sb 206.834	959.768	ppb	1.2557	0.1	822.082	95.97679
Se 196.026	5020.70	ppb	32.4359	0.6	1732.77	100.41403
Sn 189.925	4792.07	ppb	3.7805	0.1	2563.75	95.84140
Sr 216.596	2386.32	ppb	7.7719	0.3	17154.8	95.45279
Ti 334.941	485.227	ppb	1.3159	0.3	170063	97.04543
Tl 190.794	4924.86	ppb	7.8281	0.2	2644.14	98.49728
V 292.401	4895.00	ppb	13.7672	0.3	157047	97.90002
Zn 206.200	2378.78	ppb	6.6394	0.3	4782.24	95.15112

Cont Calib Blank (CCB) **9/12/2014, 4:05:30 PM** **Rack 2, Tube 14**

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

Label	Replicates Concentration		
Ag 328.068	0.1995	-0.3076u	0.3891
Al 308.215	-3.8143u	-2.0322u	-1.0557u
As 188.980	-3.9752u	3.2728	3.5699
B 249.678	7.2215	7.1013	5.4374
Ba 389.178	0.4872	0.7206	0.9241
Be 313.042	-0.0324u	-0.0545u	-0.0388u
Ca 370.602	0.0186	2.634	2.760
Cd 226.502	0.0671	0.0108	0.1740
Co 228.615	-0.2751u	0.6826	-0.3547u
Cr 267.716	0.4689	0.1138	0.7645
Cu 324.754	1.4561	1.5318	1.2076
Fe 271.441	0.9501	-5.1797u	-1.6567u
K 766.491	-0.8179u	-0.3242u	-0.1624u
Mg 279.078	-0.0596u	-3.4829u	0.8466
Mn 257.610	0.4014	0.4101	0.5494
Mo 202.032	0.7510	1.0316	0.3273
Na 330.237	65.3362	32.5838	20.9913

Label	Replicates Concentration		
Ni 231.604	1.1413	1.9578	1.2011
Pb 220.353	-1.0660u	0.1315	2.0567
Sb 206.834	1.3224	0.7736	1.3882
Se 196.026	6.7461	11.5236	8.2199
Sn 189.925	-1.5624u	-1.7220u	2.5415
Sr 216.596	-0.4610u	0.4175	-0.0765u
Ti 334.941	0.1680	0.2027	0.1863
Tl 190.794	-1.9743u	-1.0743u	0.7522
V 292.401	0.4508	0.5399	0.5333
Zn 206.200	0.0531	0.3224	0.5270

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Ag 328.068	0.0937	ppb	0.3602	384.6	-15.1200	0.09366
Al 308.215	-2.3008	ppb	1.3988	60.8	375.358	-2.30076
As 188.980	0.9558	ppb	4.2730	447.1	-3.5820	0.95582
B 249.678	6.5867	ppb	0.9971	15.1	121.045	6.58674
Ba 389.178	0.7106	ppb	0.2186	30.8	-17.7461	0.71065
Be 313.042	-0.0419	ppb	0.0113	27.1	-3306.71	-0.04192
Ca 370.602	1.804	ppb	1.548	85.8	5.237	1.80420
Cd 226.502	0.0839	ppb	0.0829	98.8	16.5114	0.08392
Co 228.615	0.0176	ppb	0.5773	3280.5	-10.7398	0.01760
Cr 267.716	0.4490	ppb	0.3258	72.6	18.8260	0.44905
Cu 324.754	1.3985	ppb	0.1696	12.1	273.657	1.39850
Fe 271.441	-1.9621	ppb	3.0763	156.8	18.7649	-1.96209
K 766.491	-0.4348	ppb	0.3414	78.5	1781.39	-0.43484
Mg 279.078	-0.8986	ppb	2.2835	254.1	28.6994	-0.89863
Mn 257.610	0.4536	ppb	0.0831	18.3	79.3342	0.45365
Mo 202.032	0.7033	ppb	0.3546	50.4	9.0515	0.70329
Na 330.237	39.6371	ppb	22.9985	58.0	54.7703	39.63713
Ni 231.604	1.4334	ppb	0.4552	31.8	7.4122	1.43340
Pb 220.353	0.3741	ppb	1.5754	421.2	0.1188	0.37406
Sb 206.834	1.1614	ppb	0.3374	29.1	7.0374	1.16144
Se 196.026	8.8299	ppb	2.4464	27.7	8.6310	8.82987
Sn 189.925	-0.2476	ppb	2.4168	976.0	-4.7168	-0.24762
Sr 216.596	-0.0400	ppb	0.4404	1100.9	0.6137	-0.04000
Ti 334.941	0.1856	ppb	0.0174	9.4	-20.8336	0.18565
Tl 190.794	-0.7655	ppb	1.3892	181.5	-6.0488	-0.76549
V 292.401	0.5080	ppb	0.0496	9.8	23.9997	0.50803
Zn 206.200	0.3008	ppb	0.2377	79.0	1.5126	0.30083

mb 680-348460/1-a (Samp) **9/12/2014, 4:09:58 PM** **Rack 2, Tube 15**

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

Label	Replicates Concentration		
Ag 328.068	0.4875	0.0846	-0.0160u
Al 308.215	0.2835	-1.7782u	-0.2674u
As 188.980	0.3586	-3.5389u	-1.1283u
B 249.678	3.7749	4.3224	3.9685
Ba 389.178	0.5344	0.7668	-0.1445u
Be 313.042	-0.0919u	-0.0909u	-0.0793u
Ca 370.602	5.630	3.732	5.469
Cd 226.502	-0.0068u	-0.0641u	0.0467
Co 228.615	0.3712	0.0980	-0.0313u
Cr 267.716	0.0674	-0.0246u	-0.3127u

Label	Replicates Concentration		
Cu 324.754	0.7176	0.7826	0.3838
Fe 271.441	3.7797	11.2311	-0.2540u
K 766.491	-0.6396u	-0.5819u	-0.7636u
Mg 279.078	0.0794	-2.7487u	0.7867
Mn 257.610	0.0360	0.0253	-0.0169u
Mo 202.032	0.5205	0.2826	-0.0428u
Na 330.237	345.756	212.591	163.040
Ni 231.604	1.0125	0.2715	1.5147
Pb 220.353	-3.7313u	1.8457	0.8060
Sb 206.834	-0.9406u	5.5861	6.2338
Se 196.026	11.2372	2.7008	-2.9078u
Sn 189.925	-2.3575u	-3.1084u	-1.4305u
Sr 216.596	-0.0881u	0.0080	-0.0878u
Ti 334.941	0.1684	0.1482	0.1459
Tl 190.794	4.4299	-2.2545u	0.8333
V 292.401	-0.0510u	0.0465	0.0193
Zn 206.200	0.8702	-0.4622u	0.6121

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	0.1854	ppb	0.2664	143.7	-10.6878
Al 308.215	-0.5874	ppb	1.0674	181.7	385.023
As 188.980	-1.4362	ppb	1.9669	137.0	-4.6937
B 249.678	4.0219	ppb	0.2777	6.9	85.8524
Ba 389.178	0.3856	ppb	0.4735	122.8	-24.5407
Be 313.042	-0.0874	ppb	0.0070	8.1	-3413.40
Ca 370.602	4.944	ppb	1.052	21.3	16.79
Cd 226.502	-0.0080	ppb	0.0554	689.3	13.8687
Co 228.615	0.1460	ppb	0.2055	140.8	-9.7499
Cr 267.716	-0.0900	ppb	0.1983	220.3	4.9659
Cu 324.754	0.6280	ppb	0.2140	34.1	236.551
Fe 271.441	4.9189	ppb	5.8267	118.5	24.7550
K 766.491	-0.6617	ppb	0.0929	14.0	1752.48
Mg 279.078	-0.6275	ppb	1.8707	298.1	29.2639
Mn 257.610	0.0148	ppb	0.0280	189.0	18.7834
Mo 202.032	0.2534	ppb	0.2828	111.6	6.5829
Na 330.237	240.462	ppb	94.4931	39.3	66.5892
Ni 231.604	0.9329	ppb	0.6254	67.0	6.0432
Pb 220.353	-0.3599	ppb	2.9656	824.1	-0.5893
Sb 206.834	3.6264	ppb	3.9684	109.4	9.0828
Se 196.026	3.6767	ppb	7.1228	193.7	6.8591
Sn 189.925	-2.2988	ppb	0.8405	36.6	-5.8161
Sr 216.596	-0.0560	ppb	0.0554	99.1	0.5243
Ti 334.941	0.1542	ppb	0.0124	8.0	-31.8815
Tl 190.794	1.0029	ppb	3.3455	333.6	-5.0994
V 292.401	0.0049	ppb	0.0503	1028.2	7.9581
Zn 206.200	0.3400	ppb	0.7067	207.8	1.5927

lcs 680-348460/2-a (Samp) **9/12/2014, 4:14:25 PM** **Rack 2, Tube 16**

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

Label	Replicates Concentration		
Ag 328.068	51.0732	52.0232	51.2840
Al 308.215	4957.17	4969.91	4962.30
As 188.980	93.1969	101.684	102.872

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Label	Replicates Concentration		
B 249.678	200.912	201.283	202.390
Ba 389.178	98.2064	97.2241	98.1246
Be 313.042	50.5340	50.5584	50.5848
Ca 370.602	4777	4807	4791
Cd 226.502	49.4286	49.8703	50.0283
Co 228.615	50.1199	49.9788	50.3349
Cr 267.716	100.216	99.9037	99.9081
Cu 324.754	105.286	105.303	105.793
Fe 271.441	4971.98	4995.40	4976.10
K 766.491	5060.47	5079.16	5074.90
Mg 279.078	4808.35	4834.99	4812.22
Mn 257.610	518.254	519.485	519.422
Mo 202.032	99.3785	99.7913	101.431
Na 330.237	5201.12	5047.76	5278.71
Ni 231.604	99.7417	99.7074	96.1365
Pb 220.353	49.7897	54.8078	52.8029
Sb 206.834	56.0962	54.5432	50.6014
Se 196.026	98.1160	116.484	102.820
Sn 189.925	198.036	194.991	200.306
Sr 216.596	96.0871	96.9928	96.1868
Ti 334.941	100.620	100.903	100.910
Tl 190.794	37.6933	32.8409	41.5831
V 292.401	100.972	101.449	101.406
Zn 206.200	96.9039	96.3923	96.5560

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	51.4602	ppb	0.4989	1.0	2470.94
Al 308.215	4963.13	ppb	6.4098	0.1	28561.2
As 188.980	99.2512	ppb	5.2767	5.3	42.0812
B 249.678	201.528	ppb	0.7687	0.4	2791.14
Ba 389.178	97.8517	ppb	0.5450	0.6	2037.02
Be 313.042	50.5590	ppb	0.0254	0.1	115330
Ca 370.602	4792	ppb	14.74	0.3	17722
Cd 226.502	49.7757	ppb	0.3108	0.6	1465.56
Co 228.615	50.1445	ppb	0.1793	0.4	372.070
Cr 267.716	100.009	ppb	0.1793	0.2	2579.09
Cu 324.754	105.461	ppb	0.2884	0.3	5278.48
Fe 271.441	4981.16	ppb	12.5032	0.3	4357.03
K 766.491	5071.51	ppb	9.7957	0.2	648219
Mg 279.078	4818.52	ppb	14.3961	0.3	10280.8
Mn 257.610	519.054	ppb	0.6934	0.1	71688.2
Mo 202.032	100.200	ppb	1.0854	1.1	554.536
Na 330.237	5175.86	ppb	117.529	2.3	353.010
Ni 231.604	98.5285	ppb	2.0716	2.1	273.240
Pb 220.353	52.4668	ppb	2.5259	4.8	50.0530
Sb 206.834	53.7469	ppb	2.8326	5.3	49.5254
Se 196.026	105.807	ppb	9.5413	9.0	42.1377
Sn 189.925	197.778	ppb	2.6670	1.3	101.417
Sr 216.596	96.4222	ppb	0.4966	0.5	697.347
Ti 334.941	100.811	ppb	0.1657	0.2	35272.9
Tl 190.794	37.3725	ppb	4.3799	11.7	14.2143
V 292.401	101.276	ppb	0.2638	0.3	3238.39
Zn 206.200	96.6174	ppb	0.2613	0.3	195.443

680-105096-d-1-a (Samp) **9/12/2014, 4:18:53 PM** **Rack 2, Tube 17**

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

Label	Replicates Concentration		
Ag 328.068	0.0850	-0.0989u	-0.3302u
Al 308.215	1070.69	1070.84	1069.52
As 188.980	-0.2795u	-5.2026u	5.9274
B 249.678	57.8487	56.8460	56.6898
Ba 389.178	37.2503	36.4560	38.0972
Be 313.042	0.4668	0.4657	0.4681
Ca 370.602	10695	10660	10642
Cd 226.502	0.1878	0.3588	0.3245
Co 228.615	11.9995	12.3446	11.9973
Cr 267.716	0.2298	0.0624	0.4177
Cu 324.754	1.0679	1.0489	0.8688
Fe 271.441	399.060	399.552	389.930
K 766.491	434.518	433.235	432.528
Mg 279.078	4063.91	4049.11	4049.48
Mn 257.610	144.562	144.314	143.988
Mo 202.032	-0.4274u	0.4720	0.0323
Na 330.237	2756.05	2982.08	2842.44
Ni 231.604	6.6775	5.9307	8.1300
Pb 220.353	0.1546	4.7320	2.6778
Sb 206.834	4.4029	-1.2913u	0.9217
Se 196.026	-5.9340u	4.4964	-0.7466u
Sn 189.925	2.1987	2.0403	-0.9297u
Sr 216.596	94.4132	94.0464	94.3534
Ti 334.941	0.4854	0.4728	0.4727
Tl 190.794	-3.5644u	-3.6812u	0.0143
V 292.401	2.6302	2.7065	2.7259
Zn 206.200	26.2776	25.0643	27.6118

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.1147	ppb	0.2080	181.4	-24.8043
Al 308.215	1070.35	ppb	0.7207	0.1	6461.81
As 188.980	0.1484	ppb	5.5773	3757.7	-3.9601
B 249.678	57.1282	ppb	0.6288	1.1	813.734
Ba 389.178	37.2678	ppb	0.8207	2.2	758.305
Be 313.042	0.4669	ppb	0.0012	0.3	-2109.32
Ca 370.602	10666	ppb	26.96	0.3	39548
Cd 226.502	0.2904	ppb	0.0905	31.2	23.5122
Co 228.615	12.1138	ppb	0.1999	1.7	81.7217
Cr 267.716	0.2366	ppb	0.1777	75.1	13.3696
Cu 324.754	0.9952	ppb	0.1099	11.0	243.976
Fe 271.441	396.181	ppb	5.4189	1.4	365.880
K 766.491	433.427	ppb	1.0088	0.2	57078.6
Mg 279.078	4054.17	ppb	8.4397	0.2	8662.37
Mn 257.610	144.288	ppb	0.2877	0.2	19953.4
Mo 202.032	0.0257	ppb	0.4498	1753.4	5.3002
Na 330.237	2860.19	ppb	114.057	4.0	220.520
Ni 231.604	6.9127	ppb	1.1183	16.2	22.4179
Pb 220.353	2.5215	ppb	2.2927	90.9	2.1405
Sb 206.834	1.3444	ppb	2.8705	213.5	7.2000
Se 196.026	-0.7281	ppb	5.2152	716.3	5.4238
Sn 189.925	1.1031	ppb	1.7623	159.8	-3.9923
Sr 216.596	94.2710	ppb	0.1968	0.2	684.087

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ti 334.941	0.4770	ppb	0.0073	1.5	89.7180
Tl 190.794	-2.4104	ppb	2.1007	87.1	-6.9362
V 292.401	2.6875	ppb	0.0506	1.9	94.4894
Zn 206.200	26.3179	ppb	1.2743	4.8	53.9412

680-105096-d-1-aSD^5 (Samp) **9/12/2014, 4:23:20 PM** **Rack 2, Tube 18**

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

Label	Replicates Concentration		
Ag 328.068	0.2355	0.3121	0.5142
Al 308.215	246.735	243.127	237.265
As 188.980	1.2989	-0.4314u	-0.8934u
B 249.678	14.7932	15.2723	14.9108
Ba 389.178	9.0549	7.7631	8.9444
Be 313.042	0.0368	0.0334	0.0318
Ca 370.602	2460	2411	2371
Cd 226.502	0.1819	0.2096	0.0069
Co 228.615	3.0030	2.5565	2.3797
Cr 267.716	0.0390	0.1757	-0.0614u
Cu 324.754	0.8290	0.8694	0.5398
Fe 271.441	91.3615	97.8056	88.2765
K 766.491	99.6159	98.2973	96.6698
Mg 279.078	959.758	937.171	931.196
Mn 257.610	33.2459	32.8281	32.1761
Mo 202.032	-0.1028u	0.5294	0.1789
Na 330.237	904.369	968.033	812.368
Ni 231.604	1.5704	2.0805	3.1101
Pb 220.353	-3.2223u	1.0824	0.1485
Sb 206.834	1.8163	-2.9978u	8.9099
Se 196.026	6.7825	19.1519	-1.4909u
Sn 189.925	-0.2195u	2.1128	2.6636
Sr 216.596	21.5642	21.8763	20.5964
Ti 334.941	0.1419	0.1536	0.0825
Tl 190.794	1.2130	-7.3391u	-4.2633u
V 292.401	0.3764	0.5646	0.5277
Zn 206.200	5.8608	5.1954	4.8226

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	0.3539	ppb	0.1439	40.7	-2.4441
Al 308.215	242.375	ppb	4.7793	2.0	1763.65
As 188.980	-0.0086	ppb	1.1557	13420.7	-4.0309
B 249.678	14.9921	ppb	0.2497	1.7	236.226
Ba 389.178	8.5875	ppb	0.7161	8.3	149.655
Be 313.042	0.0340	ppb	0.0025	7.5	-3127.83
Ca 370.602	2414	ppb	44.55	1.8	8948
Cd 226.502	0.1328	ppb	0.1100	82.8	18.1712
Co 228.615	2.6464	ppb	0.3212	12.1	9.3594
Cr 267.716	0.0511	ppb	0.1190	232.9	8.5972
Cu 324.754	0.7460	ppb	0.1798	24.1	239.924
Fe 271.441	92.4812	ppb	4.8622	5.3	101.090
K 766.491	98.1943	ppb	1.4758	1.5	14352.0
Mg 279.078	942.708	ppb	15.0651	1.6	2037.73
Mn 257.610	32.7500	ppb	0.5391	1.6	4542.04
Mo 202.032	0.2018	ppb	0.3167	156.9	6.2924

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Na 330.237	894.923	ppb	78.2613	8.7	105.053
Ni 231.604	2.2537	ppb	0.7843	34.8	9.6599
Pb 220.353	-0.6638	ppb	2.2644	341.1	-0.8938
Sb 206.834	2.5761	ppb	5.9901	232.5	8.2143
Se 196.026	8.1478	ppb	10.3889	127.5	8.4145
Sn 189.925	1.5190	ppb	1.5306	100.8	-3.7699
Sr 216.596	21.3456	ppb	0.6674	3.1	155.619
Ti 334.941	0.1260	ppb	0.0381	30.2	-39.8024
Tl 190.794	-3.4631	ppb	4.3318	125.1	-7.4996
V 292.401	0.4896	ppb	0.0998	20.4	23.5902
Zn 206.200	5.2929	ppb	0.5259	9.9	11.5737

680-105096-d-1-aPDS (Samp) **9/12/2014, 4:32:25 PM** **Rack 2, Tube 19**

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

Label	Replicates Concentration		
Ag 328.068	48.8280	48.4743	47.6970
Al 308.215	3174.54	3167.05	3155.53
As 188.980	202.177	208.394	208.903
B 249.678	566.901	568.249	567.785
Ba 389.178	248.912	248.517	247.858
Be 313.042	54.7012	54.5416	54.3919
Ca 370.602	12560	12502	12488
Cd 226.502	54.1603	53.4438	53.4389
Co 228.615	223.553	223.107	223.577
Cr 267.716	213.304	213.035	211.638
Cu 324.754	225.970	223.977	223.572
Fe 271.441	2527.93	2519.82	2527.93
K 766.491	2713.43	2700.66	2700.77
Mg 279.078	6137.18	6124.05	6103.98
Mn 257.610	365.355	363.837	363.403
Mo 202.032	213.637	210.122	211.359
Na 330.237	4924.73	5065.93	4996.01
Ni 231.604	216.347	216.025	218.913
Pb 220.353	213.747	212.548	213.409
Sb 206.834	196.064	203.705	202.018
Se 196.026	217.491	216.021	212.453
Sn 189.925	210.332	212.843	207.991
Sr 216.596	301.778	299.758	298.966
Ti 334.941	213.636	212.858	212.510
Tl 190.794	201.952	207.167	205.538
V 292.401	217.264	215.478	215.573
Zn 206.200	232.011	229.665	231.347

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	48.3331	ppb	0.5786	1.2	2319.58
Al 308.215	3165.71	ppb	9.5768	0.3	18375.1
As 188.980	206.491	ppb	3.7448	1.8	91.9541
B 249.678	567.645	ppb	0.6848	0.1	7814.55
Ba 389.178	248.429	ppb	0.5326	0.2	5188.46
Be 313.042	54.5449	ppb	0.1547	0.3	124695
Ca 370.602	12517	ppb	37.87	0.3	46428
Cd 226.502	53.6810	ppb	0.4151	0.8	1572.30
Co 228.615	223.412	ppb	0.2647	0.1	1695.38

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Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Cr 267.716	212.659	ppb	0.8946	0.4	5475.86
Cu 324.754	224.506	ppb	1.2834	0.6	11001.8
Fe 271.441	2525.23	ppb	4.6810	0.2	2232.32
K 766.491	2704.95	ppb	7.3379	0.3	346593
Mg 279.078	6121.74	ppb	16.7167	0.3	13060.6
Mn 257.610	364.198	ppb	1.0251	0.3	50319.1
Mo 202.032	211.706	ppb	1.7833	0.8	1166.50
Na 330.237	4995.56	ppb	70.6044	1.4	341.322
Ni 231.604	217.095	ppb	1.5827	0.7	597.551
Pb 220.353	213.235	ppb	0.6182	0.3	205.139
Sb 206.834	200.596	ppb	4.0139	2.0	169.906
Se 196.026	215.322	ppb	2.5908	1.2	79.7821
Sn 189.925	210.389	ppb	2.4266	1.2	108.175
Sr 216.596	300.167	ppb	1.4500	0.5	2163.67
Ti 334.941	213.002	ppb	0.5762	0.3	74613.3
Tl 190.794	204.886	ppb	2.6679	1.3	104.571
V 292.401	216.105	ppb	1.0045	0.5	6898.55
Zn 206.200	231.008	ppb	1.2093	0.5	465.894

680-105096-d-1-b ms (Samp) **9/12/2014, 4:36:53 PM** **Rack 2, Tube 20**

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

Label	Replicates Concentration		
Ag 328.068	50.8605	51.6820	51.1244
Al 308.215	5979.95	5975.50	5975.79
As 188.980	98.7316	92.2596	94.9229
B 249.678	252.462	253.657	254.662
Ba 389.178	133.481	132.827	133.755
Be 313.042	50.5706	50.5110	50.5762
Ca 370.602	15420	15425	15433
Cd 226.502	49.2618	49.1409	48.9527
Co 228.615	61.3262	61.3350	61.5210
Cr 267.716	99.0092	99.2481	99.3221
Cu 324.754	103.821	104.461	103.594
Fe 271.441	5178.58	5163.31	5167.86
K 766.491	5465.61	5482.81	5482.95
Mg 279.078	8816.49	8823.81	8828.55
Mn 257.610	649.124	648.996	649.917
Mo 202.032	99.1674	98.4553	99.2503
Na 330.237	7603.16	7877.09	7801.84
Ni 231.604	102.623	102.205	103.929
Pb 220.353	50.5640	49.8463	50.2433
Sb 206.834	45.0336	50.9112	51.3117
Se 196.026	94.8145	103.000	101.547
Sn 189.925	192.856	191.699	187.979
Sr 216.596	189.526	187.641	189.212
Ti 334.941	99.2292	99.4203	99.3990
Tl 190.794	34.0297	37.8403	39.3946
V 292.401	101.451	101.696	101.602
Zn 206.200	122.129	123.340	120.183

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	51.2223	ppb	0.4194	0.8	2459.80
Al 308.215	5977.08	ppb	2.4891	0.0	34314.4

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
As 188.980	95.3047	ppb	3.2529	3.4	40.2459
B 249.678	253.594	ppb	1.1016	0.4	3504.88
Ba 389.178	133.355	ppb	0.4768	0.4	2790.48
Be 313.042	50.5526	ppb	0.0361	0.1	115319
Ca 370.602	15426	ppb	6.329	0.0	57156
Cd 226.502	49.1185	ppb	0.1557	0.3	1447.03
Co 228.615	61.3941	ppb	0.1100	0.2	458.037
Cr 267.716	99.1931	ppb	0.1636	0.2	2558.12
Cu 324.754	103.958	ppb	0.4495	0.4	5195.97
Fe 271.441	5169.92	ppb	7.8396	0.2	4521.94
K 766.491	5477.13	ppb	9.9688	0.2	699916
Mg 279.078	8822.95	ppb	6.0724	0.1	18807.1
Mn 257.610	649.346	ppb	0.4988	0.1	89692.5
Mo 202.032	98.9576	ppb	0.4370	0.4	547.704
Na 330.237	7760.70	ppb	141.525	1.8	505.014
Ni 231.604	102.919	ppb	0.8990	0.9	285.258
Pb 220.353	50.2179	ppb	0.3595	0.7	47.8387
Sb 206.834	49.0855	ppb	3.5147	7.2	45.6839
Se 196.026	99.7870	ppb	4.3671	4.4	40.1424
Sn 189.925	190.845	ppb	2.5481	1.3	97.7013
Sr 216.596	188.793	ppb	1.0102	0.5	1366.69
Ti 334.941	99.3495	ppb	0.1047	0.1	34768.7
Tl 190.794	37.0882	ppb	2.7604	7.4	14.0699
V 292.401	101.583	ppb	0.1233	0.1	3248.74
Zn 206.200	121.884	ppb	1.5929	1.3	246.356

680-105096-d-1-c msd (Samp) **9/12/2014, 4:41:21 PM** **Rack 2, Tube 21**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Replicates Concentration		
Ag 328.068	50.7113	51.3613	51.0444
Al 308.215	5884.71	5887.13	5880.76
As 188.980	96.0023	97.1530	101.437
B 249.678	247.636	248.197	247.867
Ba 389.178	131.653	130.607	130.960
Be 313.042	49.9637	50.1098	49.9749
Ca 370.602	14994	15022	15011
Cd 226.502	48.7675	48.8946	48.6331
Co 228.615	60.0364	59.4930	60.4287
Cr 267.716	98.1601	98.1243	98.6131
Cu 324.754	102.659	103.184	102.135
Fe 271.441	5114.22	5099.93	5070.16
K 766.491	5401.03	5422.29	5406.29
Mg 279.078	8620.63	8648.48	8635.97
Mn 257.610	639.848	641.219	639.971
Mo 202.032	97.3424	98.0818	98.2471
Na 330.237	7688.88	7412.15	7485.92
Ni 231.604	102.124	101.832	104.411
Pb 220.353	55.2377	53.5785	47.5362
Sb 206.834	52.7227	48.4747	46.6265
Se 196.026	107.181	110.824	99.1116
Sn 189.925	191.911	186.611	184.521
Sr 216.596	184.793	184.957	184.458
Ti 334.941	98.1411	98.4277	98.3189

Label	Replicates Concentration		
Tl 190.794	37.8758	37.5458	30.3586
V 292.401	101.152	100.718	100.477
Zn 206.200	119.190	120.009	118.756

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	51.0390	ppb	0.3251	0.6	2450.91
Al 308.215	5884.20	ppb	3.2152	0.1	33787.3
As 188.980	98.1974	ppb	2.8638	2.9	41.5903
B 249.678	247.900	ppb	0.2820	0.1	3426.89
Ba 389.178	131.073	ppb	0.5322	0.4	2742.11
Be 313.042	50.0161	ppb	0.0813	0.2	114061
Ca 370.602	15009	ppb	13.94	0.1	55610
Cd 226.502	48.7651	ppb	0.1308	0.3	1436.63
Co 228.615	59.9861	ppb	0.4699	0.8	447.280
Cr 267.716	98.2991	ppb	0.2725	0.3	2535.13
Cu 324.754	102.659	ppb	0.5241	0.5	5133.83
Fe 271.441	5094.77	ppb	22.4812	0.4	4456.49
K 766.491	5409.87	ppb	11.0707	0.2	691344
Mg 279.078	8635.03	ppb	13.9465	0.2	18407.1
Mn 257.610	640.346	ppb	0.7582	0.1	88449.3
Mo 202.032	97.8905	ppb	0.4818	0.5	541.855
Na 330.237	7528.98	ppb	143.299	1.9	491.435
Ni 231.604	102.789	ppb	1.4123	1.4	284.900
Pb 220.353	52.1175	ppb	4.0533	7.8	49.6770
Sb 206.834	49.2746	ppb	3.1258	6.3	45.8523
Se 196.026	105.706	ppb	5.9939	5.7	42.1731
Sn 189.925	187.681	ppb	3.8090	2.0	96.0057
Sr 216.596	184.736	ppb	0.2545	0.1	1337.28
Ti 334.941	98.2959	ppb	0.1446	0.1	34398.9
Tl 190.794	35.2601	ppb	4.2480	12.0	13.0908
V 292.401	100.783	ppb	0.3421	0.3	3223.26
Zn 206.200	119.318	ppb	0.6364	0.5	241.187

680-105096-d-2-a (Samp) **9/12/2014, 4:45:49 PM** **Rack 2, Tube 22**

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

Label	Replicates Concentration		
Ag 328.068	-0.1997u	-0.2733u	-0.3215u
Al 308.215	2816.64	2823.72	2818.16
As 188.980	2.2511	-0.6074u	1.2868
B 249.678	46.7020	46.4567	45.2977
Ba 389.178	36.6065	36.4458	36.1573
Be 313.042	1.1564	1.1586	1.1525
Ca 370.602	12492	12507	12497
Cd 226.502	0.5045	0.2490	0.5730
Co 228.615	11.0565	11.4789	11.0035
Cr 267.716	1.5142	1.2790	1.2114
Cu 324.754	10.6670	10.8760	10.7862
Fe 271.441	265.322	262.122	271.899
K 766.491	1297.09	1297.29	1297.06
Mg 279.078	4050.25	4066.14	4056.06
Mn 257.610	97.9719	97.8884	97.9422
Mo 202.032	0.5302	0.5056	0.2744
Na 330.237	3965.25	4097.03	4285.54

Label	Replicates Concentration		
Ni 231.604	18.9543	20.5083	19.8397
Pb 220.353	1.7646	7.6677	3.2781
Sb 206.834	1.9969	1.6773	-0.6856u
Se 196.026	4.1231	8.0545	13.6011
Sn 189.925	2.1011	4.9810	2.3077
Sr 216.596	131.029	131.703	130.022
Ti 334.941	0.1653	0.1800	0.1926
Tl 190.794	-7.1581u	-0.0398u	-4.7688u
V 292.401	0.1137	-0.2877u	0.0717
Zn 206.200	41.9257	40.2263	41.4674

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.2648	ppb	0.0613	23.2	-32.2084
Al 308.215	2819.51	ppb	3.7280	0.1	16386.7
As 188.980	0.9768	ppb	1.4542	148.9	-3.5741
B 249.678	46.1521	ppb	0.7501	1.6	663.328
Ba 389.178	36.4032	ppb	0.2276	0.6	739.979
Be 313.042	1.1558	ppb	0.0031	0.3	-494.484
Ca 370.602	12499	ppb	7.397	0.1	46347
Cd 226.502	0.4422	ppb	0.1708	38.6	27.5649
Co 228.615	11.1796	ppb	0.2605	2.3	74.5647
Cr 267.716	1.3349	ppb	0.1589	11.9	41.6642
Cu 324.754	10.7764	ppb	0.1049	1.0	713.265
Fe 271.441	266.448	ppb	4.9851	1.9	252.952
K 766.491	1297.15	ppb	0.1237	0.0	167163
Mg 279.078	4057.48	ppb	8.0393	0.2	8669.69
Mn 257.610	97.9342	ppb	0.0423	0.0	13556.0
Mo 202.032	0.4367	ppb	0.1411	32.3	7.5675
Na 330.237	4115.94	ppb	160.980	3.9	294.445
Ni 231.604	19.7674	ppb	0.7795	3.9	57.5844
Pb 220.353	4.2368	ppb	3.0661	72.4	3.7272
Sb 206.834	0.9962	ppb	1.4652	147.1	6.9106
Se 196.026	8.5929	ppb	4.7619	55.4	8.6303
Sn 189.925	3.1299	ppb	1.6064	51.3	-2.9058
Sr 216.596	130.918	ppb	0.8461	0.6	948.620
Ti 334.941	0.1793	ppb	0.0137	7.6	-14.6571
Tl 190.794	-3.9889	ppb	3.6227	90.8	-7.8029
V 292.401	-0.0341	ppb	0.2206	647.1	6.6558
Zn 206.200	41.2065	ppb	0.8792	2.1	83.9334

680-105096-d-3-a (Samp) **9/12/2014, 4:50:18 PM** **Rack 2, Tube 23**

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

Label	Replicates Concentration		
Ag 328.068	0.3493	-0.3114u	-0.1164u
Al 308.215	3528.06	3530.75	3525.51
As 188.980	-1.9926u	-3.2347u	-5.2181u
B 249.678	15.2459	14.7364	13.7210
Ba 389.178	55.6090	56.5633	56.2781
Be 313.042	2.7269	2.7123	2.7268
Ca 370.602	8675	8676	8665
Cd 226.502	0.0326	0.4175	0.3682
Co 228.615	10.5878	11.2951	11.1660
Cr 267.716	0.9926	0.6751	0.7048

Label	Replicates Concentration		
Cu 324.754	28.9025	29.3457	28.6548
Fe 271.441	19.3072	31.4928	17.1788
K 766.491	1081.09	1084.19	1082.24
Mg 279.078	2101.30	2106.21	2107.72
Mn 257.610	73.8535	73.9005	73.7693
Mo 202.032	-0.1737u	0.2188	0.0790
Na 330.237	5467.32	5429.82	5326.26
Ni 231.604	29.6230	31.6528	31.3300
Pb 220.353	8.8772	8.8868	1.8503
Sb 206.834	3.6060	3.5518	1.6318
Se 196.026	-0.4630u	15.7483	-2.3649u
Sn 189.925	-1.6978u	-1.6793u	-2.5686u
Sr 216.596	150.167	150.607	149.388
Ti 334.941	0.2597	0.2674	0.2258
Tl 190.794	-3.4192u	-4.5173u	-2.3038u
V 292.401	-0.0010u	0.3474	0.0503
Zn 206.200	61.4327	59.8139	59.1349

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.0262	ppb	0.3395	1298.2	-20.6945
Al 308.215	3528.10	ppb	2.6206	0.1	20407.3
As 188.980	-3.4818	ppb	1.6269	46.7	-5.6444
B 249.678	14.5678	ppb	0.7763	5.3	230.457
Ba 389.178	56.1501	ppb	0.4898	0.9	1148.05
Be 313.042	2.7220	ppb	0.0084	0.3	3175.59
Ca 370.602	8672	ppb	5.748	0.1	32158
Cd 226.502	0.2728	ppb	0.2095	76.8	22.0338
Co 228.615	11.0163	ppb	0.3767	3.4	73.3147
Cr 267.716	0.7908	ppb	0.1754	22.2	27.6821
Cu 324.754	28.9677	ppb	0.3500	1.2	1592.87
Fe 271.441	22.6596	ppb	7.7235	34.1	40.8760
K 766.491	1082.50	ppb	1.5663	0.1	139806
Mg 279.078	2105.08	ppb	3.3601	0.2	4512.91
Mn 257.610	73.8411	ppb	0.0665	0.1	10219.4
Mo 202.032	0.0414	ppb	0.1990	480.8	5.4178
Na 330.237	5407.80	ppb	73.0626	1.4	370.527
Ni 231.604	30.8686	ppb	1.0907	3.5	87.9490
Pb 220.353	6.5381	ppb	4.0598	62.1	5.9217
Sb 206.834	2.9299	ppb	1.1245	38.4	8.5139
Se 196.026	4.3068	ppb	9.9541	231.1	7.1304
Sn 189.925	-1.9819	ppb	0.5082	25.6	-5.6453
Sr 216.596	150.054	ppb	0.6174	0.4	1085.48
Ti 334.941	0.2510	ppb	0.0221	8.8	6.2704
Tl 190.794	-3.4134	ppb	1.1068	32.4	-7.4877
V 292.401	0.1323	ppb	0.1881	142.2	12.0085
Zn 206.200	60.1272	ppb	1.1805	2.0	122.051

680-105096-d-4-a (Samp) **9/12/2014, 4:54:47 PM** **Rack 2, Tube 24**

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

Label	Replicates Concentration		
Ag 328.068	0.3423	-0.0649u	0.1793
Al 308.215	37.6998	41.5146	37.3115
As 188.980	-0.5994u	-0.3144u	-1.4536u

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Label	Replicates Concentration		
B 249.678	16.1525	16.0797	16.1828
Ba 389.178	25.7525	26.7432	25.3126
Be 313.042	0.0149	-0.0160u	0.0101
Ca 370.602	502.4	513.9	514.0
Cd 226.502	0.0008	0.0420	0.2459
Co 228.615	1.5033	1.2810	1.4632
Cr 267.716	84.1000	84.6984	84.2345
Cu 324.754	1.1888	1.7809	1.7000
Fe 271.441	404.077	411.531	425.654
K 766.491	277.803	283.161	280.560
Mg 279.078	1185.28	1206.43	1200.71
Mn 257.610	6.7897	6.9865	6.8392
Mo 202.032	0.6162	1.1825	1.8137
Na 330.237	14319.5	14545.7	14185.8
Ni 231.604	22.4483	26.5117	24.7182
Pb 220.353	1.1977	2.1983	0.4473
Sb 206.834	6.1936	2.3552	0.6456
Se 196.026	6.6892	7.2608	3.0142
Sn 189.925	1.2361	4.6705	5.4376
Sr 216.596	11.5788	11.9033	11.1123
Ti 334.941	0.3544	0.2670	0.2913
Tl 190.794	-1.0092u	1.6711	0.7901
V 292.401	0.6286	0.5800	0.6103
Zn 206.200	2.3205	2.6769	3.1567

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	0.1522	ppb	0.2050	134.6	-12.2808
Al 308.215	38.8419	ppb	2.3227	6.0	608.829
As 188.980	-0.7891	ppb	0.5928	75.1	-4.3956
B 249.678	16.1383	ppb	0.0530	0.3	251.696
Ba 389.178	25.9361	ppb	0.7327	2.8	514.018
Be 313.042	0.0030	ppb	0.0166	549.3	-3203.06
Ca 370.602	510.1	ppb	6.654	1.3	1885
Cd 226.502	0.0962	ppb	0.1313	136.4	17.8648
Co 228.615	1.4158	ppb	0.1185	8.4	-0.0443
Cr 267.716	84.3443	ppb	0.3140	0.4	2177.05
Cu 324.754	1.5566	ppb	0.3211	20.6	280.791
Fe 271.441	413.754	ppb	10.9589	2.6	380.095
K 766.491	280.508	ppb	2.6793	1.0	37588.6
Mg 279.078	1197.47	ppb	10.9419	0.9	2579.57
Mn 257.610	6.8718	ppb	0.1024	1.5	972.715
Mo 202.032	1.2041	ppb	0.5991	49.7	11.7664
Na 330.237	14350.3	ppb	181.920	1.3	896.848
Ni 231.604	24.5594	ppb	2.0363	8.3	70.6992
Pb 220.353	1.2811	ppb	0.8785	68.6	1.0272
Sb 206.834	3.0648	ppb	2.8412	92.7	9.1201
Se 196.026	5.6547	ppb	2.3045	40.8	7.5480
Sn 189.925	3.7814	ppb	2.2375	59.2	-2.5547
Sr 216.596	11.5315	ppb	0.3976	3.4	83.8164
Ti 334.941	0.3042	ppb	0.0451	14.8	22.1425
Tl 190.794	0.4840	ppb	1.3661	282.3	-5.4050
V 292.401	0.6063	ppb	0.0246	4.1	21.5283
Zn 206.200	2.7180	ppb	0.4196	15.4	6.1913

Cont Calib Verif (CCV) **9/12/2014, 4:59:16 PM** **Rack 2, Tube 25**

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

Label	Replicates Concentration		
Ag 328.068	492.094	490.992	493.905
Al 308.215	4894.84	4883.52	4885.00
As 188.980	459.818	488.179	484.325
B 249.678	500.773	503.299	504.651
Ba 389.178	4854.26	4852.33	4842.63
Be 313.042	492.933	492.638	492.664
Ca 370.602	4837	4827	4823
Cd 226.502	487.262	486.194	486.150
Co 228.615	487.151	487.041	486.533
Cr 267.716	4859.15	4856.57	4855.45
Cu 324.754	4971.08	5025.98	5010.76
Fe 271.441	4935.97	4915.91	4917.81
K 766.491	10122.8	10104.6	10122.0
Mg 279.078	4865.11	4863.33	4849.56
Mn 257.610	4954.35	4952.84	4958.11
Mo 202.032	486.423	486.328	487.274
Na 330.237	7473.59	7368.81	7161.47
Ni 231.604	2441.83	2441.59	2439.61
Pb 220.353	495.487	495.505	489.970
Sb 206.834	953.213	958.575	954.112
Se 196.026	4980.20	5002.50	4995.53
Sn 189.925	4794.05	4791.19	4798.20
Sr 216.596	2403.14	2403.16	2394.49
Ti 334.941	483.447	483.661	482.937
Tl 190.794	4948.23	4928.59	4946.87
V 292.401	4881.85	4885.87	4882.73
Zn 206.200	2395.60	2390.30	2394.06

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Ag 328.068	492.330	ppb	1.4708	0.3	23823.6	98.46601
Al 308.215	4887.78	ppb	6.1532	0.1	28400.6	97.75568
As 188.980	477.441	ppb	15.3830	3.2	217.901	95.48811
B 249.678	502.907	ppb	1.9685	0.4	6935.54	100.58146
Ba 389.178	4849.74	ppb	6.2324	0.1	101518	96.99476
Be 313.042	492.745	ppb	0.1635	0.0	1153293	98.54904
Ca 370.602	4829	ppb	7.423	0.2	17944	96.58468
Cd 226.502	486.535	ppb	0.6294	0.1	14091.0	97.30704
Co 228.615	486.909	ppb	0.3297	0.1	3707.53	97.38170
Cr 267.716	4857.05	ppb	1.9001	0.0	124907	97.14108
Cu 324.754	5002.61	ppb	28.3407	0.6	241019	100.05212
Fe 271.441	4923.23	ppb	11.0782	0.2	4351.71	98.46459
K 766.491	10116.5	ppb	10.3063	0.1	1291215	101.16452
Mg 279.078	4859.33	ppb	8.5109	0.2	10367.8	97.18666
Mn 257.610	4955.10	ppb	2.7157	0.1	683897	99.10199
Mo 202.032	486.675	ppb	0.5209	0.1	2673.00	97.33507
Na 330.237	7334.62	ppb	158.842	2.2	467.284	97.79498
Ni 231.604	2441.01	ppb	1.2204	0.0	6682.25	97.64037
Pb 220.353	493.654	ppb	3.1907	0.6	477.429	98.73079
Sb 206.834	955.300	ppb	2.8716	0.3	818.430	95.52995
Se 196.026	4992.74	ppb	11.4076	0.2	1723.15	99.85489
Sn 189.925	4794.48	ppb	3.5271	0.1	2565.04	95.88963
Sr 216.596	2400.27	ppb	5.0004	0.2	17255.4	96.01068

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Ti 334.941	483.349	ppb	0.3720	0.1	169405	96.66970
Tl 190.794	4941.23	ppb	10.9637	0.2	2652.92	98.82460
V 292.401	4883.48	ppb	2.1162	0.0	156677	97.66969
Zn 206.200	2393.32	ppb	2.7261	0.1	4811.53	95.73274

Cont Calib Blank (CCB) **9/12/2014, 5:03:44 PM** **Rack 2, Tube 26**

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

Label	Replicates Concentration		
Ag 328.068	0.2079	0.4774	0.1418
Al 308.215	-4.8531u	-6.3495u	-4.4118u
As 188.980	4.1206	1.3166	0.6192
B 249.678	6.6609	5.8783	5.4392
Ba 389.178	1.4188	0.8729	0.5554
Be 313.042	-0.0037u	-0.0169u	0.0211
Ca 370.602	0.5563	0.0257	5.129
Cd 226.502	0.1972	-0.1464u	0.3098
Co 228.615	0.7066	0.9126	0.8266
Cr 267.716	0.0824	0.2037	0.5398
Cu 324.754	1.0628	0.9026	1.0306
Fe 271.441	5.5573	-1.8736u	0.1726
K 766.491	-0.8988u	-0.6947u	-0.2384u
Mg 279.078	-1.0989u	-6.7727u	-1.7199u
Mn 257.610	0.2982	0.2481	0.6061
Mo 202.032	1.1728	0.2656	0.6020
Na 330.237	192.905	-53.9275u	79.0166
Ni 231.604	0.7127	0.5774	0.7650
Pb 220.353	2.1233	0.8715	-2.4678u
Sb 206.834	-0.6647u	2.2174	3.0351
Se 196.026	19.4364	-1.1833u	10.3680
Sn 189.925	-2.4603u	2.3034	0.0034
Sr 216.596	-0.2981u	-0.2968u	-0.2991u
Ti 334.941	0.1829	0.2137	0.2375
Tl 190.794	-6.2149u	1.2315	5.4009
V 292.401	0.4930	0.3966	0.6203
Zn 206.200	0.3573	-0.2644u	1.0234

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Ag 328.068	0.2757	ppb	0.1778	64.5	-6.3143	0.27572
Al 308.215	-5.2048	ppb	1.0156	19.5	358.877	-5.20482
As 188.980	2.0188	ppb	1.8534	91.8	-3.0881	2.01881
B 249.678	5.9928	ppb	0.6188	10.3	112.869	5.99281
Ba 389.178	0.9491	ppb	0.4367	46.0	-12.7592	0.94906
Be 313.042	0.0002	ppb	0.0193	11070.6	-3208.05	0.00017
Ca 370.602	1.904	ppb	2.806	147.4	5.594	1.90359
Cd 226.502	0.1202	ppb	0.2376	197.8	17.5622	0.12017
Co 228.615	0.8153	ppb	0.1035	12.7	-4.6452	0.81526
Cr 267.716	0.2753	ppb	0.2370	86.1	14.3569	0.27529
Cu 324.754	0.9987	ppb	0.0848	8.5	254.405	0.99866
Fe 271.441	1.2855	ppb	3.8384	298.6	21.6187	1.28546
K 766.491	-0.6106	ppb	0.3381	55.4	1758.99	-0.61064
Mg 279.078	-3.1972	ppb	3.1121	97.3	23.8028	-3.19716
Mn 257.610	0.3841	ppb	0.1938	50.5	69.7313	0.38414
Mo 202.032	0.6801	ppb	0.4586	67.4	8.9244	0.68014

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Na 330.237	72.6646	ppb	123.539	170.0	56.7135	72.66458
Ni 231.604	0.6850	ppb	0.0968	14.1	5.3647	0.68503
Pb 220.353	0.1757	ppb	2.3733	1351.1	-0.0728	0.17566
Sb 206.834	1.5293	ppb	1.9435	127.1	7.3406	1.52926
Se 196.026	9.5404	ppb	10.3347	108.3	8.8753	9.54036
Sn 189.925	-0.0511	ppb	2.3823	4658.6	-4.6115	-0.05114
Sr 216.596	-0.2980	ppb	0.0011	0.4	-1.2310	-0.29800
Ti 334.941	0.2114	ppb	0.0274	12.9	-11.8055	0.21141
Tl 190.794	0.1392	ppb	5.8845	4227.9	-5.5625	0.13918
V 292.401	0.5033	ppb	0.1122	22.3	23.8513	0.50334
Zn 206.200	0.3721	ppb	0.6440	173.1	1.6565	0.37208

680-105096-d-5-a (Samp) **9/12/2014, 5:08:12 PM** **Rack 2, Tube 27**

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

Label	Replicates Concentration		
Ag 328.068	0.1775	0.3258	0.1669
Al 308.215	18.2897	16.8612	17.0274
As 188.980	0.7463	1.7091	-8.2860u
B 249.678	14.8805	14.4745	14.0632
Ba 389.178	23.8977	23.3859	24.3083
Be 313.042	-0.0227u	-0.0056u	-0.0318u
Ca 370.602	1050	1044	1057
Cd 226.502	-0.0299u	-0.0357u	0.0073
Co 228.615	-0.1292u	1.1033	0.3473
Cr 267.716	3.4420	3.7603	3.5466
Cu 324.754	1.0601	0.9051	0.7842
Fe 271.441	37.5282	36.1534	37.2502
K 766.491	308.685	307.541	309.577
Mg 279.078	549.100	538.575	544.786
Mn 257.610	1.2236	1.1301	1.1402
Mo 202.032	0.6288	0.4568	0.7937
Na 330.237	1665.48	1622.70	1565.97
Ni 231.604	1.9639	1.6624	2.1553
Pb 220.353	4.4874	1.7107	1.5370
Sb 206.834	-0.6733u	2.3458	-1.6705u
Se 196.026	-1.4229u	-6.4660u	5.8861
Sn 189.925	0.1947	0.1309	-1.4749u
Sr 216.596	9.3879	8.4173	8.9058
Ti 334.941	0.5253	0.5102	0.4848
Tl 190.794	2.0070	-9.4385u	5.7370
V 292.401	0.3768	0.4372	0.2007
Zn 206.200	1.8540	1.8160	2.8745

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	0.2234	ppb	0.0888	39.8	-8.8516
Al 308.215	17.3928	ppb	0.7812	4.5	487.089
As 188.980	-1.9435	ppb	5.5138	283.7	-4.9295
B 249.678	14.4727	ppb	0.4087	2.8	229.106
Ba 389.178	23.8640	ppb	0.4621	1.9	468.347
Be 313.042	-0.0200	ppb	0.0133	66.5	-3255.22
Ca 370.602	1050	ppb	6.429	0.6	3893
Cd 226.502	-0.0194	ppb	0.0233	120.2	13.6163
Co 228.615	0.4405	ppb	0.6215	141.1	-7.5020

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Cr 267.716	3.5830	ppb	0.1622	4.5	99.4573
Cu 324.754	0.9165	ppb	0.1383	15.1	249.441
Fe 271.441	36.9773	ppb	0.7269	2.0	52.6578
K 766.491	308.601	ppb	1.0206	0.3	41169.1
Mg 279.078	544.154	ppb	5.2909	1.0	1189.21
Mn 257.610	1.1646	ppb	0.0513	4.4	180.616
Mo 202.032	0.6265	ppb	0.1685	26.9	8.6270
Na 330.237	1618.05	ppb	49.9138	3.1	147.643
Ni 231.604	1.9272	ppb	0.2485	12.9	8.7645
Pb 220.353	2.5783	ppb	1.6555	64.2	2.2455
Sb 206.834	0.0006	ppb	2.0912	322231.3	6.0966
Se 196.026	-0.6676	ppb	6.2106	930.3	5.3711
Sn 189.925	-0.3831	ppb	0.9460	246.9	-4.7891
Sr 216.596	8.9037	ppb	0.4853	5.5	65.4427
Ti 334.941	0.5068	ppb	0.0204	4.0	92.7814
Tl 190.794	-0.5649	ppb	7.9079	1400.0	-5.9433
V 292.401	0.3382	ppb	0.1229	36.3	18.3448
Zn 206.200	2.1815	ppb	0.6004	27.5	5.2950

680-105096-d-6-a (Samp) **9/12/2014, 5:12:40 PM** **Rack 2, Tube 28**

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

Label	Replicates Concentration		
Ag 328.068	0.5966	-0.0048u	0.2415
Al 308.215	29.5820	31.5187	28.3797
As 188.980	4.1350	1.7236	-0.6611u
B 249.678	11.1163	11.8632	11.8164
Ba 389.178	22.8020	22.5393	22.9551
Be 313.042	-0.0066u	-0.0129u	0.0019
Ca 370.602	562.5	557.2	564.3
Cd 226.502	0.2513	0.2409	0.2731
Co 228.615	0.5640	0.4562	0.7713
Cr 267.716	4.4537	4.7240	4.5350
Cu 324.754	1.1980	0.9332	0.8486
Fe 271.441	126.036	125.577	135.273
K 766.491	457.979	456.677	458.254
Mg 279.078	750.547	752.456	754.618
Mn 257.610	6.7727	6.7363	6.8095
Mo 202.032	-0.0224u	0.3333	0.4284
Na 330.237	3339.41	3334.72	3417.45
Ni 231.604	-0.2077u	2.6088	0.2759
Pb 220.353	-3.8559u	3.1636	-0.6469u
Sb 206.834	-3.3232u	2.5111	-4.1830u
Se 196.026	4.9491	7.0801	9.6959
Sn 189.925	-3.1954u	-0.3462u	-0.5459u
Sr 216.596	8.8880	8.7196	9.2121
Ti 334.941	0.2865	0.2770	0.2676
Tl 190.794	-2.3441u	3.4183	-3.1897u
V 292.401	1.5274	1.6167	1.4561
Zn 206.200	2.1342	4.8344	3.2944

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	0.2777	ppb	0.3023	108.9	-6.2103
Al 308.215	29.8268	ppb	1.5838	5.3	557.674

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Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
As 188.980	1.7325	ppb	2.3980	138.4	-3.2221
B 249.678	11.5986	ppb	0.4183	3.6	189.642
Ba 389.178	22.7654	ppb	0.2103	0.9	446.029
Be 313.042	-0.0059	ppb	0.0075	127.0	-3222.05
Ca 370.602	561.3	ppb	3.711	0.7	2078
Cd 226.502	0.2551	ppb	0.0164	6.4	21.7712
Co 228.615	0.5972	ppb	0.1601	26.8	-6.2948
Cr 267.716	4.5709	ppb	0.1387	3.0	124.874
Cu 324.754	0.9933	ppb	0.1822	18.3	253.583
Fe 271.441	128.962	ppb	5.4701	4.2	132.670
K 766.491	457.637	ppb	0.8423	0.2	60164.3
Mg 279.078	752.540	ppb	2.0371	0.3	1632.75
Mn 257.610	6.7728	ppb	0.0366	0.5	955.955
Mo 202.032	0.2464	ppb	0.2376	96.4	6.5342
Na 330.237	3363.86	ppb	46.4692	1.4	250.354
Ni 231.604	0.8923	ppb	1.5060	168.8	5.9363
Pb 220.353	-0.4464	ppb	3.5140	787.2	-0.6732
Sb 206.834	-1.6650	ppb	3.6421	218.7	4.7321
Se 196.026	7.2417	ppb	2.3775	32.8	8.0902
Sn 189.925	-1.3625	ppb	1.5904	116.7	-5.3137
Sr 216.596	8.9399	ppb	0.2503	2.8	65.6911
Ti 334.941	0.2770	ppb	0.0094	3.4	12.5490
Tl 190.794	-0.7052	ppb	3.5960	509.9	-6.0232
V 292.401	1.5334	ppb	0.0805	5.2	56.8609
Zn 206.200	3.4210	ppb	1.3545	39.6	7.7919

680-105096-d-7-a (Samp) **9/12/2014, 5:17:08 PM** **Rack 2, Tube 29**

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

Label	Replicates Concentration		
Ag 328.068	0.5067	0.3026	-0.4276u
Al 308.215	33.4436	31.7906	32.2087
As 188.980	39.0291	22.6522	29.5244
B 249.678	28.2172	26.8873	27.3657
Ba 389.178	33.0355	31.6254	31.8176
Be 313.042	0.2781	0.2779	0.2824
Ca 370.602	22254	22280	22223
Cd 226.502	-0.0358	-0.0529	0.2831
Co 228.615	10.5625	9.0341	10.8545
Cr 267.716	1.1739	0.9444	0.8654
Cu 324.754	0.7876	0.6551	0.6051
Fe 271.441	4534.18	4525.16	4518.36
K 766.491	904.398	904.624	903.139
Mg 279.078	8138.19	8138.71	8123.56
Mn 257.610	187.833	188.052	187.527
Mo 202.032	0.7911	0.4983	0.2369
Na 330.237	28859.7	28974.1	28919.3
Ni 231.604	14.6925	15.1283	14.2825
Pb 220.353	12.4250	7.7461	14.4352
Sb 206.834	-0.4002u	-3.2280u	-1.3439u
Se 196.026	10.1139	-1.4614u	7.3106
Sn 189.925	1.6431	-3.5287u	-2.5356u
Sr 216.596	180.897	181.010	180.346
Ti 334.941	1.0558	1.0788	1.0203

Label	Replicates Concentration		
Tl 190.794	-3.1293u	-1.1976u	-8.0428u
V 292.401	9.2885	8.9303	9.0979
Zn 206.200	6.1875	6.5947	6.9327

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	0.1272	ppb	0.4912	386.1	-13.3864
Al 308.215	32.4809	ppb	0.8595	2.6	573.137
As 188.980	30.4019	ppb	8.2236	27.0	10.0701
B 249.678	27.4900	ppb	0.6736	2.5	404.590
Ba 389.178	32.1595	ppb	0.7647	2.4	668.802
Be 313.042	0.2795	ppb	0.0025	0.9	-2545.67
Ca 370.602	22252	ppb	28.47	0.1	82460
Cd 226.502	0.0648	ppb	0.1893	292.0	27.2301
Co 228.615	10.1504	ppb	0.9777	9.6	66.9032
Cr 267.716	0.9946	ppb	0.1602	16.1	33.0185
Cu 324.754	0.6826	ppb	0.0943	13.8	217.759
Fe 271.441	4525.90	ppb	7.9368	0.2	3958.12
K 766.491	904.054	ppb	0.8000	0.1	117062
Mg 279.078	8133.49	ppb	8.6032	0.1	17340.3
Mn 257.610	187.804	ppb	0.2635	0.1	25990.8
Mo 202.032	0.5088	ppb	0.2773	54.5	7.6188
Na 330.237	28917.7	ppb	57.2061	0.2	1752.40
Ni 231.604	14.7011	ppb	0.4230	2.9	43.8688
Pb 220.353	11.5354	ppb	3.4321	29.8	10.8361
Sb 206.834	-1.6574	ppb	1.4398	86.9	4.7126
Se 196.026	5.3210	ppb	6.0387	113.5	7.6227
Sn 189.925	-1.4737	ppb	2.7445	186.2	-5.3683
Sr 216.596	180.751	ppb	0.3554	0.2	1313.60
Ti 334.941	1.0516	ppb	0.0295	2.8	298.113
Tl 190.794	-4.1232	ppb	3.5292	85.6	-8.1219
V 292.401	9.1056	ppb	0.1792	2.0	302.341
Zn 206.200	6.5716	ppb	0.3731	5.7	14.2430

680-105096-d-8-a (Samp) **9/12/2014, 5:21:36 PM** **Rack 2, Tube 30**

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

Label	Replicates Concentration		
Ag 328.068	-0.1201u	-0.1363u	-0.5157u
Al 308.215	2.8125	2.9976	1.2967
As 188.980	4.9126	4.4206	1.6193
B 249.678	16.2852	16.4973	15.6534
Ba 389.178	52.5999	51.8193	51.4281
Be 313.042	-0.0429u	-0.0236u	-0.0356u
Ca 370.602	19396	19435	19371
Cd 226.502	-0.1067	0.0299	0.1264
Co 228.615	5.2827	4.2477	5.1807
Cr 267.716	0.5586	1.0008	1.3601
Cu 324.754	0.6982	0.3166u	0.3534u
Fe 271.441	39225.6	39293.8	39177.5
K 766.491	218.788	219.148	219.108
Mg 279.078	14733.0	14782.8	14738.4
Mn 257.610	221.517	221.826	221.322
Mo 202.032	-0.3563u	-0.2690u	-0.0001u
Na 330.237	14411.6	14666.4	14786.0

Label	Replicates Concentration		
Ni 231.604	5.9417	6.7116	5.9950
Pb 220.353	0.8915	3.2635	-1.6225u
Sb 206.834	2.5397	3.4293	-3.1201u
Se 196.026	3.7078	-7.2803u	-2.6621u
Sn 189.925	-0.5508u	-2.4881u	-3.2815u
Sr 216.596	203.270	204.557	203.080
Ti 334.941	0.1236	0.0680	0.0960
Tl 190.794	-0.7988u	-2.8393u	-7.4404u
V 292.401	0.5077	0.6489	0.5325
Zn 206.200	2.3894	0.3213	1.2769

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.2574	ppb	0.2239	87.0	-35.2276
Al 308.215	2.3690	ppb	0.9332	39.4	401.765
As 188.980	3.6508	ppb	1.7765	48.7	-2.5964
B 249.678	16.1453	ppb	0.4390	2.7	225.906
Ba 389.178	51.9491	ppb	0.5966	1.1	1161.01
Be 313.042	-0.0340	ppb	0.0098	28.7	-3282.78
Ca 370.602	19401	ppb	32.15	0.2	71409
Cd 226.502	0.0165	ppb	0.1171	708.0	112.962
Co 228.615	4.9037	ppb	0.5704	11.6	28.3761
Cr 267.716	0.9731	ppb	0.4015	41.3	32.4218
Cu 324.754	0.4561	ppb	0.2105	46.2	209.868
Fe 271.441	39232.3	ppb	58.4605	0.1	34147.6
K 766.491	219.015	ppb	0.1972	0.1	29751.0
Mg 279.078	14751.4	ppb	27.3058	0.2	31363.1
Mn 257.610	221.555	ppb	0.2540	0.1	30760.6
Mo 202.032	-0.2085	ppb	0.1857	89.1	0.9038
Na 330.237	14621.3	ppb	191.229	1.3	895.791
Ni 231.604	6.2161	ppb	0.4299	6.9	21.8569
Pb 220.353	0.8442	ppb	2.4434	289.4	0.1666
Sb 206.834	0.9496	ppb	3.5524	374.1	6.8919
Se 196.026	-2.0782	ppb	5.5173	265.5	5.5211
Sn 189.925	-2.1068	ppb	1.4047	66.7	-5.7105
Sr 216.596	203.636	ppb	0.8039	0.4	1501.68
Ti 334.941	0.0959	ppb	0.0278	29.0	-17.0801
Tl 190.794	-3.6928	ppb	3.4021	92.1	-10.3111
V 292.401	0.5631	ppb	0.0754	13.4	42.1794
Zn 206.200	1.3292	ppb	1.0350	77.9	4.4299

680-105096-d-9-a (Samp) **9/12/2014, 5:26:04 PM** **Rack 2, Tube 31**

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

Label	Replicates Concentration		
Ag 328.068	-0.7991u	-0.5152u	-0.5678u
Al 308.215	751.294	747.561	749.286
As 188.980	17.5150	7.4743	11.9053
B 249.678	51.0686	49.3158	50.6280
Ba 389.178	48.0902	48.2874	48.5993
Be 313.042	0.0983	0.1167	0.0861
Ca 370.602	37227	37231	37184
Cd 226.502	0.4556	0.3235	0.4317
Co 228.615	17.7769	17.0121	16.7959
Cr 267.716	6.6182	6.9316	7.0355

Label	Replicates Concentration		
Cu 324.754	1.8769	1.8612	1.4862
Fe 271.441	111481	111448	111370
K 766.491	2057.20	2052.74	2059.60
Mg 279.078	10384.4	10361.0	10363.2
Mn 257.610	344.793	344.293	344.527
Mo 202.032	1.0512u	1.7673	0.6355u
Na 330.237	14392.2	14462.1	14411.3
Ni 231.604	17.2343	14.7573	18.5620
Pb 220.353	9.1570	17.3339	3.5507
Sb 206.834	-2.0752u	-0.0493	1.3109
Se 196.026	7.4943	-2.8878	8.3999
Sn 189.925	5.9020	-0.5904u	0.1473
Sr 216.596	355.062	354.335	354.709
Ti 334.941	6.2227	6.2447	5.9914
Tl 190.794	2.5008u	1.1392u	0.8087u
V 292.401	14.1171	14.0655	14.3394
Zn 206.200	59.2924	58.3419	60.3428

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.6274	ppb	0.1511	24.1	-59.4865
Al 308.215	749.380	ppb	1.8681	0.2	4641.15
As 188.980	12.2982	ppb	5.0319	40.9	0.9299
B 249.678	50.3375	ppb	0.9118	1.8	646.362
Ba 389.178	48.3256	ppb	0.2567	0.5	1202.66
Be 313.042	0.1004	ppb	0.0154	15.3	-2956.33
Ca 370.602	37214	ppb	25.76	0.1	136477
Cd 226.502	0.4036	ppb	0.0704	17.4	305.690
Co 228.615	17.1949	ppb	0.5154	3.0	125.610
Cr 267.716	6.8617	ppb	0.2172	3.2	183.773
Cu 324.754	1.7414	ppb	0.2212	12.7	254.763
Fe 271.441	111433	ppb	56.8022	0.1	96953.4
K 766.491	2056.51	ppb	3.4839	0.2	263947
Mg 279.078	10369.5	ppb	12.9293	0.1	21889.0
Mn 257.610	344.538	ppb	0.2505	0.1	47864.0
Mo 202.032	1.1513	ppb	0.5725	49.7	2.5498
Na 330.237	14421.9	ppb	36.0839	0.3	852.025
Ni 231.604	16.8512	ppb	1.9311	11.5	53.4650
Pb 220.353	10.0138	ppb	6.9314	69.2	8.2316
Sb 206.834	-0.2712	ppb	1.7039	628.4	5.9108
Se 196.026	4.3355	ppb	6.2719	144.7	8.7793
Sn 189.925	1.8197	ppb	3.5546	195.3	-3.6062
Sr 216.596	354.702	ppb	0.3635	0.1	2644.41
Ti 334.941	6.1529	ppb	0.1403	2.3	2107.69
Tl 190.794	1.4829	ppb	0.8969	60.5	-12.5403
V 292.401	14.1740	ppb	0.1456	1.0	509.105
Zn 206.200	59.3257	ppb	1.0009	1.7	122.833

680-105096-d-10-a (Samp) **9/12/2014, 5:30:33 PM** **Rack 2, Tube 32**

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

Label	Replicates Concentration		
Ag 328.068	0.3607	0.1520	0.2637
Al 308.215	17.0783	18.8453	18.6862
As 188.980	-1.7769u	1.5516	-7.3021u

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Label	Replicates Concentration		
B 249.678	16.2142	16.1131	16.2646
Ba 389.178	12.2776	12.0964	11.4451
Be 313.042	-0.0189u	-0.0263u	-0.0187u
Ca 370.602	304.9	304.0	302.6
Cd 226.502	0.2413	0.1194	0.1061
Co 228.615	0.6828	1.0345	0.9049
Cr 267.716	16.3998	16.2739	16.5792
Cu 324.754	2.5064	2.2777	2.9237
Fe 271.441	63.4067	66.2306	65.0302
K 766.491	50.2370	50.0978	50.0341
Mg 279.078	455.565	453.781	459.197
Mn 257.610	7.9581	7.8909	7.9263
Mo 202.032	0.5318	0.1886	0.1197
Na 330.237	1033.57	1025.04	1021.59
Ni 231.604	29.8728	29.2121	28.2732
Pb 220.353	-1.0343u	-1.8687u	2.4754
Sb 206.834	4.8366	-0.3166u	5.3793
Se 196.026	1.8389	14.8794	5.3726
Sn 189.925	0.7137	-4.0034u	-1.5823u
Sr 216.596	5.4196	5.5401	5.4299
Ti 334.941	0.3678	0.3159	0.3476
Tl 190.794	4.2083	-5.5922u	1.3271
V 292.401	0.2657	0.0631	-0.0341u
Zn 206.200	3.7358	3.1575	1.7844

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	0.2588	ppb	0.1045	40.4	-7.1134
Al 308.215	18.2033	ppb	0.9775	5.4	491.649
As 188.980	-2.5091	ppb	4.4720	178.2	-5.1926
B 249.678	16.1973	ppb	0.0771	0.5	252.740
Ba 389.178	11.9397	ppb	0.4378	3.7	218.562
Be 313.042	-0.0213	ppb	0.0043	20.4	-3258.49
Ca 370.602	303.8	ppb	1.172	0.4	1124
Cd 226.502	0.1556	ppb	0.0745	47.9	18.7455
Co 228.615	0.8741	ppb	0.1779	20.3	-4.1822
Cr 267.716	16.4176	ppb	0.1534	0.9	429.611
Cu 324.754	2.5693	ppb	0.3276	12.7	329.740
Fe 271.441	64.8892	ppb	1.4172	2.2	76.8638
K 766.491	50.1230	ppb	0.1038	0.2	8225.17
Mg 279.078	456.181	ppb	2.7599	0.6	1001.83
Mn 257.610	7.9251	ppb	0.0336	0.4	1113.17
Mo 202.032	0.2800	ppb	0.2207	78.8	6.7243
Na 330.237	1026.73	ppb	6.1666	0.6	112.829
Ni 231.604	29.1194	ppb	0.8038	2.8	83.1630
Pb 220.353	-0.1425	ppb	2.3053	1617.3	-0.3733
Sb 206.834	3.2998	ppb	3.1436	95.3	8.9118
Se 196.026	7.3636	ppb	6.7444	91.6	8.1302
Sn 189.925	-1.6240	ppb	2.3588	145.3	-5.4543
Sr 216.596	5.4632	ppb	0.0668	1.2	39.5799
Ti 334.941	0.3438	ppb	0.0261	7.6	35.4916
Tl 190.794	-0.0189	ppb	5.0370	26609.6	-5.6511
V 292.401	0.0982	ppb	0.1529	155.7	9.8774
Zn 206.200	2.8926	ppb	1.0023	34.7	6.6977

680-105096-d-11-a (Samp) **9/12/2014, 5:35:01 PM** **Rack 2, Tube 33**

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

Label	Replicates Concentration		
Ag 328.068	-0.5301u	-0.7193u	-0.6063u
Al 308.215	82.0756	79.1313	80.4467
As 188.980	1.1130u	0.0288u	0.5568u
B 249.678	16.6916	17.3478	16.5822
Ba 389.178	52.9709	54.4447	53.8411
Be 313.042	0.0487	0.0659	0.0670
Ca 370.602	51484	51520	51449
Cd 226.502	0.3090	0.2217	0.3324
Co 228.615	8.1351	7.8335	8.6427
Cr 267.716	-0.4629u	-0.8346u	-0.3064u
Cu 324.754	0.7267u	0.8292u	0.5102u
Fe 271.441	106494	106682	106445
K 766.491	2725.61	2726.11	2726.93
Mg 279.078	34147.6	34138.5	34142.2
Mn 257.610	624.415	624.646	624.737
Mo 202.032	-1.1450u	0.4620u	-0.0826u
Na 330.237	31857.2	32032.7	31805.0
Ni 231.604	8.5139	7.8562	8.7485
Pb 220.353	-3.2837u	-4.5490u	-4.0290u
Sb 206.834	-0.7378u	1.5514	-2.8813u
Se 196.026	-4.9664	-8.5262u	-6.2691u
Sn 189.925	-2.9432u	-3.3358u	-0.7405u
Sr 216.596	495.621	496.418	496.569
Ti 334.941	1.1307	0.9928	1.1268
Tl 190.794	0.4724u	-2.5185u	-3.1929u
V 292.401	0.6723	0.6383	0.6134
Zn 206.200	3.7011	2.7208	2.9848

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.6186	ppb	0.0952	15.4	-57.9452
Al 308.215	80.5512	ppb	1.4750	1.8	845.346
As 188.980	0.5662	ppb	0.5422	95.8	-4.4880
B 249.678	16.8739	ppb	0.4141	2.5	190.855
Ba 389.178	53.7522	ppb	0.7409	1.4	1366.50
Be 313.042	0.0605	ppb	0.0103	17.0	-3051.26
Ca 370.602	51484	ppb	35.23	0.1	189466
Cd 226.502	0.2877	ppb	0.0583	20.3	289.985
Co 228.615	8.2038	ppb	0.4089	5.0	56.6406
Cr 267.716	-0.5346	ppb	0.2713	50.8	-6.2321
Cu 324.754	0.6887	ppb	0.1629	23.7	190.647
Fe 271.441	106540	ppb	125.153	0.1	92696.9
K 766.491	2726.22	ppb	0.6654	0.0	349303
Mg 279.078	34142.8	ppb	4.6094	0.0	72519.4
Mn 257.610	624.599	ppb	0.1662	0.0	86638.4
Mo 202.032	-0.2552	ppb	0.8173	320.3	-4.7611
Na 330.237	31898.3	ppb	119.327	0.4	1883.05
Ni 231.604	8.3728	ppb	0.4626	5.5	30.0949
Pb 220.353	-3.9539	ppb	0.6360	16.1	-5.1640
Sb 206.834	-0.6892	ppb	2.2168	321.6	5.5419
Se 196.026	-6.5872	ppb	1.8011	27.3	5.0696
Sn 189.925	-2.3398	ppb	1.3989	59.8	-5.8321
Sr 216.596	496.203	ppb	0.5096	0.1	3666.32

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Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ti 334.941	1.0834	ppb	0.0785	7.2	377.898
Tl 190.794	-1.7463	ppb	1.9508	111.7	-13.8934
V 292.401	0.6413	ppb	0.0295	4.6	72.6743
Zn 206.200	3.1355	ppb	0.5072	16.2	9.5296

680-105096-d-12-a (Samp) **9/12/2014, 5:39:30 PM** **Rack 2, Tube 34**

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

Label	Replicates Concentration		
Ag 328.068	-0.2713u	-0.7572u	-0.2351u
Al 308.215	103.666	104.313	103.442
As 188.980	5.6470	-4.7959u	-5.1082u
B 249.678	23.4814	23.0794	22.6203
Ba 389.178	124.213	124.653	126.763
Be 313.042	-0.0074u	0.0155	0.0116
Ca 370.602	20051	20015	20100
Cd 226.502	0.3268	0.1152	0.1356
Co 228.615	0.7563	0.5770	0.1396
Cr 267.716	0.4820	0.7244	0.4815
Cu 324.754	0.4482	0.6049	0.5657
Fe 271.441	38485.3	38495.3	38569.6
K 766.491	1788.25	1785.81	1791.33
Mg 279.078	16224.8	16089.6	16235.0
Mn 257.610	595.201	593.932	596.481
Mo 202.032	-0.1619u	-0.2690u	-0.2809u
Na 330.237	10518.9	10806.6	10699.9
Ni 231.604	2.8308	0.8747	1.6803
Pb 220.353	1.7620	-0.1467u	-4.2643u
Sb 206.834	-5.5962u	8.0226	-3.4488u
Se 196.026	5.9683	3.7486	5.8453
Sn 189.925	-2.1681u	-1.5930u	-4.9417u
Sr 216.596	213.826	214.469	215.152
Ti 334.941	1.9025	1.9357	1.8491
Tl 190.794	-1.9698u	-8.3350u	1.5837u
V 292.401	0.4319	0.3771	0.5293
Zn 206.200	2.3102	1.5730	1.4983

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.4212	ppb	0.2916	69.2	-41.8754
Al 308.215	103.807	ppb	0.4521	0.4	977.337
As 188.980	-1.4191	ppb	6.1214	431.4	-4.9477
B 249.678	23.0604	ppb	0.4309	1.9	321.171
Ba 389.178	125.210	ppb	1.3631	1.1	2696.97
Be 313.042	0.0065	ppb	0.0122	186.6	-3187.23
Ca 370.602	20056	ppb	42.47	0.2	73847
Cd 226.502	0.1925	ppb	0.1168	60.6	116.399
Co 228.615	0.4910	ppb	0.3173	64.6	-5.3440
Cr 267.716	0.5626	ppb	0.1401	24.9	21.8314
Cu 324.754	0.5396	ppb	0.0816	15.1	213.227
Fe 271.441	38516.7	ppb	46.0568	0.1	33524.9
K 766.491	1788.46	ppb	2.7628	0.2	229783
Mg 279.078	16183.1	ppb	81.1340	0.5	34413.0
Mn 257.610	595.205	ppb	1.2741	0.2	82333.8
Mo 202.032	-0.2373	ppb	0.0656	27.6	0.7994

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Na 330.237	10675.2	ppb	145.441	1.4	663.799
Ni 231.604	1.7953	ppb	0.9831	54.8	9.7383
Pb 220.353	-0.8830	ppb	3.0799	348.8	-1.4963
Sb 206.834	-0.3408	ppb	7.3221	2148.5	5.8212
Se 196.026	5.1874	ppb	1.2476	24.0	8.0649
Sn 189.925	-2.9009	ppb	1.7906	61.7	-6.1368
Sr 216.596	214.482	ppb	0.6628	0.3	1579.84
Ti 334.941	1.8958	ppb	0.0437	2.3	617.286
Tl 190.794	-2.9070	ppb	5.0253	172.9	-9.7873
V 292.401	0.4461	ppb	0.0771	17.3	38.2370
Zn 206.200	1.7938	ppb	0.4487	25.0	5.3525

680-105096-d-13-a (Samp) **9/12/2014, 5:43:58 PM** **Rack 2, Tube 35**

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

Label	Replicates Concentration		
Ag 328.068	0.1561	-0.4116u	-0.0903u
Al 308.215	560.141	563.089	559.185
As 188.980	7.3727	4.3682	-1.5928u
B 249.678	21.4899	21.1180	21.6524
Ba 389.178	47.1076	46.8157	47.0663
Be 313.042	10.0460	10.0884	10.0639
Ca 370.602	25578	25591	25561
Cd 226.502	0.0039	0.1102	0.0290
Co 228.615	16.8557	17.0790	17.4377
Cr 267.716	1.2365	0.8235	0.9291
Cu 324.754	0.6606	0.5603	0.6195
Fe 271.441	24617.3	24706.8	24666.9
K 766.491	3277.75	3284.78	3284.52
Mg 279.078	19393.3	19386.7	19364.6
Mn 257.610	617.932	617.671	617.874
Mo 202.032	0.1990u	0.3026u	-0.4145u
Na 330.237	10011.6	9913.99	10147.6
Ni 231.604	14.1477	14.8932	14.3576
Pb 220.353	3.0988	3.1093	6.9753
Sb 206.834	-7.4151u	-3.6285u	-7.0621u
Se 196.026	-6.7036u	-9.7966u	4.5210
Sn 189.925	1.7618	2.8927	1.7558
Sr 216.596	272.856	272.452	272.806
Ti 334.941	0.1141	0.1661	0.2085
Tl 190.794	0.6101u	-1.7848u	-6.3868u
V 292.401	1.1589	1.2898	1.2756
Zn 206.200	2.2671	1.5740	1.7164

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.1153	ppb	0.2846	247.0	-25.7260
Al 308.215	560.805	ppb	2.0351	0.4	3570.48
As 188.980	3.3827	ppb	4.5633	134.9	-2.6222
B 249.678	21.4201	ppb	0.2740	1.3	307.875
Ba 389.178	46.9966	ppb	0.1579	0.3	1043.10
Be 313.042	10.0661	ppb	0.0213	0.2	20396.8
Ca 370.602	25577	ppb	14.87	0.1	94512
Cd 226.502	0.0477	ppb	0.0556	116.5	77.4857
Co 228.615	17.1241	ppb	0.2936	1.7	121.093

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Cr 267.716	0.9964	ppb	0.2146	21.5	32.9800
Cu 324.754	0.6135	ppb	0.0505	8.2	211.458
Fe 271.441	24663.6	ppb	44.8054	0.2	21475.6
K 766.491	3282.35	ppb	3.9858	0.1	420184
Mg 279.078	19381.6	ppb	15.0076	0.1	41250.9
Mn 257.610	617.826	ppb	0.1371	0.0	85444.1
Mo 202.032	0.0290	ppb	0.3876	1334.3	3.3723
Na 330.237	10024.4	ppb	117.324	1.2	631.603
Ni 231.604	14.4662	ppb	0.3844	2.7	43.9254
Pb 220.353	4.3945	ppb	2.2351	50.9	3.7158
Sb 206.834	-6.0352	ppb	2.0918	34.7	1.1019
Se 196.026	-3.9930	ppb	7.5339	188.7	4.7587
Sn 189.925	2.1368	ppb	0.6547	30.6	-3.4370
Sr 216.596	272.705	ppb	0.2204	0.1	1991.83
Ti 334.941	0.1629	ppb	0.0473	29.0	14.5358
Tl 190.794	-2.5205	ppb	3.5560	141.1	-8.6014
V 292.401	1.2414	ppb	0.0718	5.8	58.0433
Zn 206.200	1.8525	ppb	0.3660	19.8	5.1704

680-105096-d-14-a (Samp) **9/12/2014, 5:48:27 PM** **Rack 2, Tube 36**

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

Label	Replicates Concentration		
Ag 328.068	0.1801	0.5539	0.4888
Al 308.215	25.0514	21.5204	22.7309
As 188.980	0.8648	-0.6953u	3.7759
B 249.678	15.4408	15.2730	14.7598
Ba 389.178	115.161	114.494	113.956
Be 313.042	0.2045	0.1990	0.2000
Ca 370.602	3990	3984	3987
Cd 226.502	0.1102	-0.0366	0.3795
Co 228.615	1.9198	2.0499	2.3882
Cr 267.716	2.0000	2.1015	2.1848
Cu 324.754	0.4493	0.7896	0.5791
Fe 271.441	2115.26	2092.23	2100.43
K 766.491	1201.80	1200.72	1198.55
Mg 279.078	3285.10	3287.30	3267.76
Mn 257.610	18.2702	18.3009	18.1902
Mo 202.032	0.1340	-0.0327u	-0.2335u
Na 330.237	11079.4	11164.5	11120.1
Ni 231.604	3.8361	3.9239	4.2258
Pb 220.353	4.4753	-1.2477u	0.4010
Sb 206.834	-4.2338u	0.5835	0.4478
Se 196.026	3.2228	1.7472	2.8669
Sn 189.925	0.6737	2.1468	3.2571
Sr 216.596	52.3241	52.0340	51.6670
Ti 334.941	0.2721	0.3439	0.3258
Tl 190.794	-5.8185u	-2.4224u	-4.9932u
V 292.401	0.6171	0.6610	0.5445
Zn 206.200	6.7234	5.2078	5.2453

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	0.4076	ppb	0.1997	49.0	-0.1087
Al 308.215	23.1009	ppb	1.7943	7.8	519.445

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Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
As 188.980	1.3151	ppb	2.2694	172.6	-3.4295
B 249.678	15.1579	ppb	0.3548	2.3	237.109
Ba 389.178	114.537	ppb	0.6039	0.5	2376.89
Be 313.042	0.2012	ppb	0.0029	1.4	-2736.77
Ca 370.602	3987	ppb	2.998	0.1	14755
Cd 226.502	0.1510	ppb	0.2111	139.7	23.7250
Co 228.615	2.1193	ppb	0.2418	11.4	5.4308
Cr 267.716	2.0954	ppb	0.0925	4.4	61.2657
Cu 324.754	0.6060	ppb	0.1717	28.3	231.672
Fe 271.441	2102.64	ppb	11.6736	0.6	1849.61
K 766.491	1200.36	ppb	1.6546	0.1	154827
Mg 279.078	3280.05	ppb	10.7051	0.3	7010.66
Mn 257.610	18.2538	ppb	0.0572	0.3	2558.95
Mo 202.032	-0.0441	ppb	0.1840	417.5	4.7817
Na 330.237	11121.4	ppb	42.5651	0.4	706.052
Ni 231.604	3.9953	ppb	0.2044	5.1	14.4946
Pb 220.353	1.2095	ppb	2.9459	243.6	0.9027
Sb 206.834	-1.0675	ppb	2.7430	257.0	5.2161
Se 196.026	2.6123	ppb	0.7700	29.5	6.5433
Sn 189.925	2.0259	ppb	1.2959	64.0	-3.4962
Sr 216.596	52.0084	ppb	0.3293	0.6	378.673
Ti 334.941	0.3140	ppb	0.0374	11.9	30.4251
Tl 190.794	-4.4114	ppb	1.7712	40.2	-8.1493
V 292.401	0.6075	ppb	0.0588	9.7	28.0921
Zn 206.200	5.7255	ppb	0.8644	15.1	12.4837

Cont Calib Verif (CCV) **9/12/2014, 5:52:56 PM** **Rack 2, Tube 37**

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

Label	Replicates Concentration		
Ag 328.068	489.678	489.411	488.588
Al 308.215	4844.56	4883.43	4865.12
As 188.980	460.720	479.052	486.930
B 249.678	496.333	501.646	502.922
Ba 389.178	4824.30	4846.10	4834.27
Be 313.042	489.724	491.897	491.704
Ca 370.602	4827	4838	4843
Cd 226.502	484.916	486.257	486.650
Co 228.615	486.424	486.057	484.614
Cr 267.716	4838.49	4861.43	4858.40
Cu 324.754	4939.16	4935.10	4976.74
Fe 271.441	4894.44	4895.64	4894.07
K 766.491	9991.19	10066.1	10047.4
Mg 279.078	4827.58	4854.18	4856.99
Mn 257.610	4921.38	4927.66	4931.58
Mo 202.032	485.049	488.211	486.073
Na 330.237	7341.33	7525.03	7269.35
Ni 231.604	2424.47	2447.85	2441.57
Pb 220.353	497.901	491.610	486.831
Sb 206.834	945.866	947.850	930.783
Se 196.026	4918.04	4963.29	4958.11
Sn 189.925	4767.95	4803.75	4804.05
Sr 216.596	2389.24	2405.27	2401.86
Ti 334.941	479.432	482.245	481.581

Label	Replicates Concentration		
Tl 190.794	4874.19	4928.73	4912.78
V 292.401	4850.38	4873.74	4874.35
Zn 206.200	2391.48	2406.92	2408.05

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Ag 328.068	489.226	ppb	0.5680	0.1	23673.4	97.84513
Al 308.215	4864.37	ppb	19.4486	0.4	28266.9	97.28739
As 188.980	475.568	ppb	13.4478	2.8	217.031	95.11351
B 249.678	500.300	ppb	3.4949	0.7	6899.66	100.06008
Ba 389.178	4834.89	ppb	10.9153	0.2	101207	96.69779
Be 313.042	491.108	ppb	1.2030	0.2	1149450	98.22165
Ca 370.602	4836	ppb	8.381	0.2	17969	96.72169
Cd 226.502	485.941	ppb	0.9093	0.2	14073.7	97.18813
Co 228.615	485.698	ppb	0.9566	0.2	3698.25	97.13961
Cr 267.716	4852.77	ppb	12.4605	0.3	124797	97.05547
Cu 324.754	4950.33	ppb	22.9578	0.5	238502	99.00664
Fe 271.441	4894.72	ppb	0.8171	0.0	4326.65	97.89431
K 766.491	10034.9	ppb	38.9692	0.4	1280817	100.34868
Mg 279.078	4846.25	ppb	16.2295	0.3	10339.9	96.92493
Mn 257.610	4926.87	ppb	5.1478	0.1	680002	98.53746
Mo 202.032	486.444	ppb	1.6133	0.3	2671.75	97.28889
Na 330.237	7378.57	ppb	131.845	1.8	469.881	98.38092
Ni 231.604	2437.96	ppb	12.1000	0.5	6673.92	97.51852
Pb 220.353	492.114	ppb	5.5518	1.1	475.945	98.42282
Sb 206.834	941.500	ppb	9.3340	1.0	807.011	94.14998
Se 196.026	4946.48	ppb	24.7629	0.5	1707.24	98.92962
Sn 189.925	4791.92	ppb	20.7568	0.4	2563.66	95.83834
Sr 216.596	2398.79	ppb	8.4436	0.4	17244.9	95.95152
Ti 334.941	481.086	ppb	1.4706	0.3	168611	96.21716
Tl 190.794	4905.23	ppb	28.0450	0.6	2633.57	98.10469
V 292.401	4866.16	ppb	13.6685	0.3	156119	97.32310
Zn 206.200	2402.15	ppb	9.2578	0.4	4829.32	96.08607

Cont Calib Blank (CCB) **9/12/2014, 5:57:24 PM** **Rack 2, Tube 38**

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

Label	Replicates Concentration		
Ag 328.068	0.6479	-0.3363u	-0.0060u
Al 308.215	-2.2995u	-4.5664u	-3.2730u
As 188.980	3.1210	-3.6260u	2.2814
B 249.678	6.2885	5.1804	4.7964
Ba 389.178	0.0802	0.8205	0.4383
Be 313.042	-0.0237u	-0.0057u	-0.0212u
Ca 370.602	-0.1510u	1.620	2.424
Cd 226.502	0.0374	0.1793	0.0818
Co 228.615	0.4819	0.4487	0.3388
Cr 267.716	0.2676	-0.1185u	0.0151
Cu 324.754	0.7698	0.7232	0.7033
Fe 271.441	1.3388	2.2210	-2.1398u
K 766.491	-0.7681u	-0.7018u	-1.0595u
Mg 279.078	-4.9913u	-3.8479u	-1.6345u
Mn 257.610	0.3409	0.1795	0.2194
Mo 202.032	0.6256	1.1990	0.4392
Na 330.237	304.078	128.844	240.185

Label	Replicates Concentration		
Ni 231.604	0.4272	2.1586	1.4938
Pb 220.353	4.9540	3.2957	-0.3255u
Sb 206.834	7.0225	2.7468	7.8855
Se 196.026	2.9538	-0.7528u	6.3276
Sn 189.925	0.3822	3.6124	1.1666
Sr 216.596	0.3693	-0.6847u	-0.0578u
Ti 334.941	0.1738	0.1683	0.1233
Tl 190.794	2.5043	-3.5626u	-0.6989u
V 292.401	0.5341	0.2880	0.2883
Zn 206.200	0.0287	-0.0392u	0.8584

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Ag 328.068	0.1019	ppb	0.5009	491.6	-14.7231	0.10190
Al 308.215	-3.3796	ppb	1.1372	33.6	369.232	-3.37959
As 188.980	0.5922	ppb	3.6771	621.0	-3.7510	0.59216
B 249.678	5.4218	ppb	0.7748	14.3	105.081	5.42177
Ba 389.178	0.4463	ppb	0.3702	82.9	-23.2799	0.44632
Be 313.042	-0.0169	ppb	0.0098	57.8	-3248.08	-0.01688
Ca 370.602	1.298	ppb	1.317	101.5	3.298	1.29765
Cd 226.502	0.0995	ppb	0.0726	73.0	16.9698	0.09948
Co 228.615	0.4231	ppb	0.0749	17.7	-7.6432	0.42313
Cr 267.716	0.0547	ppb	0.1961	358.2	8.6852	0.05474
Cu 324.754	0.7321	ppb	0.0342	4.7	241.574	0.73211
Fe 271.441	0.4734	ppb	2.3056	487.1	20.9038	0.47336
K 766.491	-0.8432	ppb	0.1903	22.6	1729.35	-0.84315
Mg 279.078	-3.4913	ppb	1.7066	48.9	23.1716	-3.49126
Mn 257.610	0.2466	ppb	0.0841	34.1	50.7533	0.24661
Mo 202.032	0.7546	ppb	0.3960	52.5	9.3328	0.75460
Na 330.237	224.369	ppb	88.6813	39.5	65.6426	224.36935
Ni 231.604	1.3599	ppb	0.8735	64.2	7.2112	1.35986
Pb 220.353	2.6414	ppb	2.6999	102.2	2.3059	2.64142
Sb 206.834	5.8850	ppb	2.7518	46.8	10.9435	5.88497
Se 196.026	2.8429	ppb	3.5415	124.6	6.5723	2.84287
Sn 189.925	1.7204	ppb	1.6848	97.9	-3.6620	1.72043
Sr 216.596	-0.1244	ppb	0.5301	426.1	0.0112	-0.12442
Ti 334.941	0.1551	ppb	0.0277	17.9	-31.5562	0.15511
Tl 190.794	-0.5858	ppb	3.0350	518.1	-5.9524	-0.58575
V 292.401	0.3701	ppb	0.1420	38.4	19.5642	0.37012
Zn 206.200	0.2826	ppb	0.4998	176.9	1.4767	0.28260

680-105096-d-15-a (Samp) **9/12/2014, 6:01:53 PM** **Rack 2, Tube 39**

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

Label	Replicates Concentration		
Ag 328.068	0.5500	0.0416	-0.4777u
Al 308.215	1680.53	1672.18	1677.04
As 188.980	1.9983	-5.4593u	5.0071
B 249.678	65.6147	64.6559	64.6817
Ba 389.178	40.0568	38.9915	39.7432
Be 313.042	0.9274	0.9197	0.9349
Ca 370.602	11583	11511	11596
Cd 226.502	0.1793	0.4454	0.4471
Co 228.615	7.3266	7.1609	7.4731
Cr 267.716	-0.0135u	0.4678	0.2707

Label	Replicates Concentration		
Cu 324.754	11.7032	11.8831	11.6816
Fe 271.441	25.0602	26.4159	32.8170
K 766.491	880.387	877.739	879.845
Mg 279.078	2556.69	2523.02	2550.84
Mn 257.610	78.1040	77.4241	77.9685
Mo 202.032	-0.1829u	0.6080	1.1703
Na 330.237	1529.73	1580.72	1478.00
Ni 231.604	15.4984	13.8734	13.4392
Pb 220.353	2.7663	4.1815	6.4782
Sb 206.834	-3.0727u	-2.1680u	-0.7460u
Se 196.026	3.2799	6.6940	-0.9762u
Sn 189.925	1.4138	0.9488	2.9803
Sr 216.596	121.617	121.900	121.366
Ti 334.941	0.2636	0.2755	0.2756
Tl 190.794	1.5246	-7.4641u	-1.5540u
V 292.401	0.1170	0.1945	0.3616
Zn 206.200	26.3099	23.2106	26.4778

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	0.0380	ppb	0.5139	1352.9	-17.5923
Al 308.215	1676.58	ppb	4.1900	0.2	9901.55
As 188.980	0.5154	ppb	5.3885	1045.6	-3.7869
B 249.678	64.9841	ppb	0.5463	0.8	921.658
Ba 389.178	39.5972	ppb	0.5475	1.4	802.653
Be 313.042	0.9273	ppb	0.0076	0.8	-1030.11
Ca 370.602	11563	ppb	45.51	0.4	42881
Cd 226.502	0.3573	ppb	0.1542	43.1	24.5083
Co 228.615	7.3202	ppb	0.1562	2.1	45.0655
Cr 267.716	0.2417	ppb	0.2420	100.1	13.5142
Cu 324.754	11.7560	ppb	0.1106	0.9	761.320
Fe 271.441	28.0977	ppb	4.1428	14.7	45.3730
K 766.491	879.323	ppb	1.3989	0.2	113910
Mg 279.078	2543.52	ppb	17.9869	0.7	5446.47
Mn 257.610	77.8322	ppb	0.3599	0.5	10772.7
Mo 202.032	0.5318	ppb	0.6798	127.8	8.1082
Na 330.237	1529.48	ppb	51.3633	3.4	142.367
Ni 231.604	14.2703	ppb	1.0855	7.6	42.5356
Pb 220.353	4.4753	ppb	1.8733	41.9	4.0060
Sb 206.834	-1.9956	ppb	1.1729	58.8	4.4273
Se 196.026	2.9992	ppb	3.8428	128.1	6.6963
Sn 189.925	1.7810	ppb	1.0644	59.8	-3.6293
Sr 216.596	121.628	ppb	0.2667	0.2	881.350
Ti 334.941	0.2716	ppb	0.0069	2.5	14.6178
Tl 190.794	-2.4978	ppb	4.5681	182.9	-6.9801
V 292.401	0.2244	ppb	0.1250	55.7	14.9546
Zn 206.200	25.3328	ppb	1.8398	7.3	51.9484

680-105096-d-16-a (Samp) **9/12/2014, 6:06:21 PM** **Rack 2, Tube 40**

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

Label	Replicates Concentration		
Ag 328.068	-1.2844u	-0.8511u	-0.9290u
Al 308.215	125.013	123.630	124.820
As 188.980	19.4194	24.3433	11.4673

Label	Replicates Concentration		
B 249.678	21.2648	21.3593	21.7177
Ba 389.178	23.1502	22.1068	21.6599
Be 313.042	0.5689	0.5689	0.5716
Ca 370.602	22348	22265	22205
Cd 226.502	-0.0402	-0.3219	0.0731
Co 228.615	21.2963	21.6303	21.1074
Cr 267.716	2.5763	2.5027	2.5264
Cu 324.754	0.6752	0.7045	0.8023
Fe 271.441	54162.9	53814.5	53718.3
K 766.491	1446.88	1439.26	1439.79
Mg 279.078	19438.9	19343.8	19294.1
Mn 257.610	490.339	488.092	486.840
Mo 202.032	0.9630	0.8764	0.5750u
Na 330.237	14770.8	14857.7	14736.9
Ni 231.604	14.8968	14.8579	13.6426
Pb 220.353	5.9509	4.8739	6.2337
Sb 206.834	3.4207	-1.3796u	-0.8106u
Se 196.026	10.0445	9.2745	-1.9643
Sn 189.925	-0.7751u	-2.8815u	-0.7281u
Sr 216.596	235.634	235.489	233.976
Ti 334.941	0.4107	0.5991	0.3738
Tl 190.794	1.2417u	1.7212u	-1.5481u
V 292.401	2.6743	2.6985	2.6231
Zn 206.200	16.5880	19.1844	18.4134

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-1.0215	ppb	0.2310	22.6	-72.7579
Al 308.215	124.488	ppb	0.7489	0.6	1094.85
As 188.980	18.4100	ppb	6.4971	35.3	4.1603
B 249.678	21.4473	ppb	0.2389	1.1	288.622
Ba 389.178	22.3056	ppb	0.7648	3.4	578.484
Be 313.042	0.5698	ppb	0.0016	0.3	-1865.94
Ca 370.602	22273	ppb	71.99	0.3	81853
Cd 226.502	-0.0964	ppb	0.2034	211.0	147.257
Co 228.615	21.3447	ppb	0.2648	1.2	154.657
Cr 267.716	2.5351	ppb	0.0376	1.5	72.5827
Cu 324.754	0.7273	ppb	0.0665	9.1	220.230
Fe 271.441	53898.6	ppb	233.881	0.4	46906.4
K 766.491	1441.97	ppb	4.2529	0.3	185622
Mg 279.078	19358.9	ppb	73.5447	0.4	41144.2
Mn 257.610	488.424	ppb	1.7726	0.4	67648.8
Mo 202.032	0.8048	ppb	0.2037	25.3	5.2623
Na 330.237	14788.5	ppb	62.3358	0.4	899.008
Ni 231.604	14.4658	ppb	0.7131	4.9	44.9465
Pb 220.353	5.6862	ppb	0.7175	12.6	4.6736
Sb 206.834	0.4102	ppb	2.6227	639.4	6.4404
Se 196.026	5.7849	ppb	6.7220	116.2	8.4713
Sn 189.925	-1.4616	ppb	1.2299	84.1	-5.3647
Sr 216.596	235.033	ppb	0.9185	0.4	1738.74
Ti 334.941	0.4612	ppb	0.1208	26.2	122.796
Tl 190.794	0.4716	ppb	1.7655	374.4	-9.0591
V 292.401	2.6653	ppb	0.0385	1.4	115.666
Zn 206.200	18.0619	ppb	1.3334	7.4	38.4629

680-105096-d-17-a (Samp) **9/12/2014, 6:10:49 PM** **Rack 2, Tube 41**

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

Label	Replicates Concentration		
Ag 328.068	0.3719	-0.0505u	0.1497
Al 308.215	1097.16	1094.23	1096.47
As 188.980	-0.0417u	9.3738	6.5895
B 249.678	471.907	473.500	473.541
Ba 389.178	27.6195	27.8841	27.3114
Be 313.042	0.2768	0.2749	0.2783
Ca 370.602	10987	10979	10982
Cd 226.502	0.3720	0.3647	0.1692
Co 228.615	4.2341	3.2217	4.1868
Cr 267.716	0.4091	0.4681	0.5294
Cu 324.754	0.8286	0.9924	0.8109
Fe 271.441	11745.8	11726.0	11737.1
K 766.491	17445.8	17430.0	17395.6
Mg 279.078	6418.11	6415.37	6409.87
Mn 257.610	78.5374	78.4772	78.4860
Mo 202.032	0.4489	0.8046	0.4433
Na 330.237	3656.50	3427.28	3446.21
Ni 231.604	6.0093	7.3410	7.6351
Pb 220.353	11.0560	11.1472	7.9434
Sb 206.834	-1.7837u	1.8309	1.4856
Se 196.026	4.9947	11.2220	9.6781
Sn 189.925	-0.7909u	1.3946	-4.8526u
Sr 216.596	79.4523	79.9181	78.5489
Ti 334.941	0.3386	0.3298	0.3040
Tl 190.794	-0.5420u	1.3755u	-3.6301u
V 292.401	28.6429	28.4805	28.5521
Zn 206.200	175.630	175.988	175.354

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	0.1571	ppb	0.2113	134.6	-12.9139
Al 308.215	1095.95	ppb	1.5344	0.1	6608.42
As 188.980	5.3072	ppb	4.8370	91.1	-1.6403
B 249.678	472.983	ppb	0.9320	0.2	6507.94
Ba 389.178	27.6050	ppb	0.2866	1.0	582.173
Be 313.042	0.2767	ppb	0.0017	0.6	-2548.49
Ca 370.602	10983	ppb	4.174	0.0	40567
Cd 226.502	0.3020	ppb	0.1150	38.1	52.4674
Co 228.615	3.8808	ppb	0.5713	14.7	19.3222
Cr 267.716	0.4688	ppb	0.0602	12.8	19.1203
Cu 324.754	0.8773	ppb	0.1001	11.4	237.689
Fe 271.441	11736.3	ppb	9.9156	0.1	10230.0
K 766.491	17423.8	ppb	25.6326	0.1	2222564
Mg 279.078	6414.45	ppb	4.1952	0.1	13665.5
Mn 257.610	78.5002	ppb	0.0325	0.0	10912.0
Mo 202.032	0.5656	ppb	0.2070	36.6	7.3366
Na 330.237	3510.00	ppb	127.226	3.6	253.318
Ni 231.604	6.9951	ppb	0.8663	12.4	23.0390
Pb 220.353	10.0489	ppb	1.8240	18.2	9.2856
Sb 206.834	0.5109	ppb	1.9947	390.4	6.5040
Se 196.026	8.6316	ppb	3.2429	37.6	8.7838
Sn 189.925	-1.4163	ppb	3.1702	223.8	-5.3425
Sr 216.596	79.3064	ppb	0.6961	0.9	583.688

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ti 334.941	0.3241	ppb	0.0180	5.5	42.6244
Tl 190.794	-0.9322	ppb	2.5255	270.9	-6.9357
V 292.401	28.5585	ppb	0.0814	0.3	931.319
Zn 206.200	175.657	ppb	0.3179	0.2	355.079

680-105096-d-18-a (Samp) **9/12/2014, 6:15:17 PM** **Rack 2, Tube 42**

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

Label	Replicates Concentration		
Ag 328.068	-7.6337u	-7.9634u	-8.2098u
Al 308.215	23395.3	23358.8	23381.9
As 188.980	14.7791	8.3064	10.5795
B 249.678	88.9472	87.0567	87.6474
Ba 389.178	-41.9593u	-43.2800u	-42.2151u
Be 313.042	14.2614	14.2624	14.2644
Ca 370.602	53944	53944	53907
Cd 226.502	0.6069	0.2098	0.6345
Co 228.615	62.4577	62.2409	62.7250
Cr 267.716	4476.30	4472.19	4472.70
Cu 324.754	1.7664	1.3969	1.5823
Fe 271.441	281969	281418	281679
K 766.491	4131.74	4127.56	4138.60
Mg 279.078	23590.1	23606.6	23615.8
Mn 257.610	1727.69	1727.67	1727.06
Mo 202.032	1.4254u	1.8956u	1.4697u
Na 330.237	27954.0	28026.8	27810.1
Ni 231.604	2324.33	2323.11	2338.46
Pb 220.353	-2.7516u	-3.4560u	0.9568u
Sb 206.834	-8.8608	-9.5687	-14.5066
Se 196.026	-13.6524u	-17.1629u	-8.0662
Sn 189.925	5.4947	7.1911	-2.4616u
Sr 216.596	407.860	411.646	408.764
Ti 334.941	1.3833	1.4103	1.3527
Tl 190.794	5.7237u	9.4815u	15.2530u
V 292.401	204.979	204.831	204.816
Zn 206.200	140.547	143.103	140.730

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-7.9357	ppb	0.2890	3.6	-422.233
Al 308.215	23378.7	ppb	18.4352	0.1	133052
As 188.980	11.2216	ppb	3.2838	29.3	-0.7289
B 249.678	87.8837	ppb	0.9672	1.1	1047.61
Ba 389.178	-42.4848	ppb	0.7005	1.6	-362.888
Be 313.042	14.2627	ppb	0.0015	0.0	30304.6
Ca 370.602	53931	ppb	21.42	0.0	196132
Cd 226.502	0.4837	ppb	0.2377	49.1	735.557
Co 228.615	62.4745	ppb	0.2425	0.4	479.171
Cr 267.716	4473.73	ppb	2.2390	0.1	115087
Cu 324.754	1.5819	ppb	0.1848	11.7	229.376
Fe 271.441	281689	ppb	275.699	0.1	245038
K 766.491	4132.63	ppb	5.5766	0.1	528556
Mg 279.078	23604.2	ppb	13.0212	0.1	49731.4
Mn 257.610	1727.47	ppb	0.3587	0.0	239161
Mo 202.032	1.5969	ppb	0.2596	16.3	-8.7597

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Na 330.237	27930.3	ppb	110.243	0.4	1572.16
Ni 231.604	2328.63	ppb	8.5332	0.4	6384.41
Pb 220.353	-1.7503	ppb	2.3707	135.4	-3.6668
Sb 206.834	-10.9787	ppb	3.0757	28.0	24.4976
Se 196.026	-12.9605	ppb	4.5876	35.4	5.3296
Sn 189.925	3.4081	ppb	5.1536	151.2	-2.7526
Sr 216.596	409.423	ppb	1.9769	0.5	3083.14
Ti 334.941	1.3821	ppb	0.0289	2.1	486.697
Tl 190.794	10.1527	ppb	4.8000	47.3	-19.5954
V 292.401	204.875	ppb	0.0902	0.0	6415.43
Zn 206.200	141.460	ppb	1.4258	1.0	281.323

680-105096-d-19-a (Samp) **9/12/2014, 6:19:46 PM** **Rack 2, Tube 43**

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

Label	Replicates	Concentration	
Ag 328.068	0.4172	0.1072	-0.1944u
Al 308.215	13.3844	10.3658	11.3259
As 188.980	0.4820	-2.5606u	2.9751
B 249.678	3.9576	3.6443	3.5389
Ba 389.178	0.7807	0.3475	0.6207
Be 313.042	-0.0544u	-0.0098u	-0.0348u
Ca 370.602	198.3	193.7	195.0
Cd 226.502	0.0568	0.3110	0.2591
Co 228.615	-0.0555u	0.8413	-0.0522u
Cr 267.716	0.4443	0.0631	0.3880
Cu 324.754	0.6105	0.4752	0.7740
Fe 271.441	20.1489	30.6375	7.7372
K 766.491	10.6021	10.3721	10.5165
Mg 279.078	3.1642	2.3104	2.7664
Mn 257.610	0.1537	0.0741	0.1029
Mo 202.032	-1.0321u	0.2892	-0.8500u
Na 330.237	673.280	524.526	539.657
Ni 231.604	0.2279	0.8772	-0.5805u
Pb 220.353	3.8308	-2.3155u	-3.5399u
Sb 206.834	-1.7570u	0.4602	1.4511
Se 196.026	-1.5542u	3.3154	-2.4133u
Sn 189.925	-0.3858u	2.2410	-3.5646u
Sr 216.596	0.7205	0.5502	0.4602
Ti 334.941	0.1294	0.0735	0.1074
Tl 190.794	-3.1956u	0.4425	-3.3844u
V 292.401	0.2658	-0.1069u	-0.1800u
Zn 206.200	1.8022	2.0899	2.5075

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	0.1100	ppb	0.3058	278.1	-14.3353
Al 308.215	11.6920	ppb	1.5423	13.2	454.647
As 188.980	0.2988	ppb	2.7724	927.8	-3.8877
B 249.678	3.7136	ppb	0.2178	5.9	81.5848
Ba 389.178	0.5830	ppb	0.2191	37.6	-20.3865
Be 313.042	-0.0330	ppb	0.0224	67.8	-3285.75
Ca 370.602	195.7	ppb	2.378	1.2	723.9
Cd 226.502	0.2089	ppb	0.1343	64.3	20.1636
Co 228.615	0.2445	ppb	0.5168	211.4	-8.9830

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Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Cr 267.716	0.2985	ppb	0.2057	68.9	14.9618
Cu 324.754	0.6199	ppb	0.1496	24.1	235.967
Fe 271.441	19.5079	ppb	11.4636	58.8	37.4331
K 766.491	10.4969	ppb	0.1163	1.1	3174.68
Mg 279.078	2.7470	ppb	0.4273	15.6	36.4305
Mn 257.610	0.1102	ppb	0.0403	36.6	31.9879
Mo 202.032	-0.5310	ppb	0.7161	134.9	2.2781
Na 330.237	579.154	ppb	81.8657	14.1	86.5132
Ni 231.604	0.1748	ppb	0.7303	417.7	3.9694
Pb 220.353	-0.6748	ppb	3.9497	585.3	-0.8930
Sb 206.834	0.0515	ppb	1.6426	3191.9	6.1387
Se 196.026	-0.2174	ppb	3.0895	1421.3	5.5211
Sn 189.925	-0.5698	ppb	2.9072	510.2	-4.8894
Sr 216.596	0.5770	ppb	0.1322	22.9	5.1752
Ti 334.941	0.1035	ppb	0.0282	27.2	-49.6843
Tl 190.794	-2.0458	ppb	2.1570	105.4	-6.7379
V 292.401	-0.0071	ppb	0.2391	3390.8	7.7347
Zn 206.200	2.1332	ppb	0.3546	16.6	5.2051

680-105096-d-20-a (Samp) **9/12/2014, 6:24:14 PM** **Rack 2, Tube 44**

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

Label	Replicates Concentration		
Ag 328.068	-0.1888u	-0.3261u	-0.4555u
Al 308.215	54.8064	54.3774	56.5980
As 188.980	-0.3674u	-14.0612u	0.6603u
B 249.678	18.4705	17.6339	17.7499
Ba 389.178	57.5090	56.2075	57.0103
Be 313.042	0.0323	0.0223	0.0183
Ca 370.602	52274	52286	52285
Cd 226.502	0.4794	0.2163	0.1348
Co 228.615	8.7542	9.8242	9.0149
Cr 267.716	-0.4333u	-0.8995u	-0.6762u
Cu 324.754	0.8638u	0.4423u	0.8219u
Fe 271.441	100574	100357	100391
K 766.491	2750.36	2750.33	2754.20
Mg 279.078	34729.6	34773.9	34784.0
Mn 257.610	628.993	628.938	629.214
Mo 202.032	-0.1972u	0.2523u	-0.4075u
Na 330.237	32617.1	32444.6	32273.7
Ni 231.604	7.4294	9.4612	8.9722
Pb 220.353	-2.0251u	-3.7759u	-3.1761u
Sb 206.834	-5.9944u	2.5422	1.6549
Se 196.026	7.8497	4.0975	6.8012
Sn 189.925	-4.8862u	3.8979	-6.0372u
Sr 216.596	501.153	504.059	501.483
Ti 334.941	0.8251	0.8140	0.8104
Tl 190.794	2.1416u	-1.6031u	-12.2329u
V 292.401	0.3227	0.4396	0.2836
Zn 206.200	4.8712	4.5701	2.5871

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.3235	ppb	0.1333	41.2	-43.0669
Al 308.215	55.2606	ppb	1.1779	2.1	701.839

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
As 188.980	-4.5894	ppb	8.2189	179.1	-6.8404
B 249.678	17.9514	ppb	0.4532	2.5	209.904
Ba 389.178	56.9089	ppb	0.6566	1.2	1422.84
Be 313.042	0.0243	ppb	0.0072	29.8	-3136.05
Ca 370.602	52282	ppb	6.659	0.0	192510
Cd 226.502	0.2768	ppb	0.1801	65.1	273.737
Co 228.615	9.1978	ppb	0.5580	6.1	63.9441
Cr 267.716	-0.6697	ppb	0.2332	34.8	-9.6992
Cu 324.754	0.7093	ppb	0.2322	32.7	190.860
Fe 271.441	100440	ppb	116.821	0.1	87390.8
K 766.491	2751.63	ppb	2.2238	0.1	352542
Mg 279.078	34762.5	ppb	28.9531	0.1	73851.6
Mn 257.610	629.049	ppb	0.1461	0.0	87242.2
Mo 202.032	-0.1175	ppb	0.3371	287.0	-3.4954
Na 330.237	32445.1	ppb	171.714	0.5	1918.02
Ni 231.604	8.6209	ppb	1.0605	12.3	30.5532
Pb 220.353	-2.9924	ppb	0.8897	29.7	-4.1701
Sb 206.834	-0.5991	ppb	4.6935	783.4	5.6128
Se 196.026	6.2495	ppb	1.9360	31.0	9.4053
Sn 189.925	-2.3419	ppb	5.4343	232.1	-5.8331
Sr 216.596	502.232	ppb	1.5913	0.3	3705.77
Ti 334.941	0.8165	ppb	0.0077	0.9	284.664
Tl 190.794	-3.8981	ppb	7.4570	191.3	-14.6051
V 292.401	0.3486	ppb	0.0812	23.3	60.6344
Zn 206.200	4.0095	ppb	1.2410	31.0	11.1534

CRI (Samp) **9/12/2014, 6:28:42 PM** **Rack 2, Tube 45**

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

Label	Replicates Concentration		
Ag 328.068	10.6203	10.4745	11.2018
Al 308.215	197.424	198.846	199.956
As 188.980	24.5131	15.4294	18.7221
B 249.678	100.763	101.321	101.471
Ba 389.178	9.4133	10.5514	10.0841
Be 313.042	4.0575	4.0699	4.0684
Ca 370.602	508.2	511.7	507.4
Cd 226.502	5.0587	5.3190	5.3590
Co 228.615	9.6997	10.2383	9.6982
Cr 267.716	9.8069	10.1849	9.8454
Cu 324.754	21.3174	21.4606	21.4521
Fe 271.441	65.2710	70.9987	64.5526
K 766.491	1045.32	1048.49	1048.13
Mg 279.078	502.040	499.915	499.459
Mn 257.610	10.7227	10.7060	10.7541
Mo 202.032	9.2839	8.9350	9.3433
Na 330.237	1054.20	1060.28	955.360
Ni 231.604	40.7122	40.4190	41.2561
Pb 220.353	10.8624	15.6176	9.3626
Sb 206.834	18.0508	22.1320	19.4899
Se 196.026	17.3990	20.0798	33.0216
Sn 189.925	48.2772	50.7012	49.5866
Sr 216.596	10.2162	8.8630	9.7979
Ti 334.941	10.0788	10.0655	10.0691

Label	Replicates Concentration		
Tl 190.794	26.6781	25.5875	21.0095
V 292.401	9.9203	9.9933	9.7046
Zn 206.200	21.4757	20.9134	21.4423

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	10.7655	ppb	0.3848	3.6	501.134
Al 308.215	198.742	ppb	1.2691	0.6	1517.10
As 188.980	19.5549	ppb	4.5988	23.5	5.0618
B 249.678	101.185	ppb	0.3727	0.4	1418.23
Ba 389.178	10.0162	ppb	0.5721	5.7	178.460
Be 313.042	4.0653	ppb	0.0067	0.2	6322.98
Ca 370.602	509.1	ppb	2.305	0.5	1888
Cd 226.502	5.2456	ppb	0.1630	3.1	165.900
Co 228.615	9.8788	ppb	0.3114	3.2	64.5936
Cr 267.716	9.9457	ppb	0.2080	2.1	263.045
Cu 324.754	21.4100	ppb	0.0804	0.4	1236.61
Fe 271.441	66.9408	ppb	3.5326	5.3	79.3444
K 766.491	1047.31	ppb	1.7351	0.2	135321
Mg 279.078	500.471	ppb	1.3777	0.3	1096.13
Mn 257.610	10.7276	ppb	0.0244	0.2	1500.21
Mo 202.032	9.1874	ppb	0.2206	2.4	55.5932
Na 330.237	1023.28	ppb	58.9005	5.8	112.416
Ni 231.604	40.7958	ppb	0.4248	1.0	115.110
Pb 220.353	11.9475	ppb	3.2657	27.3	11.2681
Sb 206.834	19.8909	ppb	2.0699	10.4	22.4565
Se 196.026	23.5001	ppb	8.3541	35.5	13.6804
Sn 189.925	49.5217	ppb	1.2133	2.5	21.9574
Sr 216.596	9.6257	ppb	0.6928	7.2	69.2215
Ti 334.941	10.0711	ppb	0.0069	0.1	3446.38
Tl 190.794	24.4250	ppb	3.0078	12.3	7.4913
V 292.401	9.8727	ppb	0.1501	1.5	322.737
Zn 206.200	21.2771	ppb	0.3154	1.5	43.7549

mb 680-348404/1-a (Samp) **9/12/2014, 6:33:10 PM** **Rack 2, Tube 46**

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

Label	Replicates Concentration		
Ag 328.068	0.4229	0.5349	-0.4635u
Al 308.215	-5.5243u	-4.5314u	-4.8816u
As 188.980	-4.2524u	-4.0993u	-1.4177u
B 249.678	2.9231	2.7998	1.8903
Ba 389.178	-0.1997u	-0.2029u	1.0615
Be 313.042	-0.0074u	-0.0231u	-0.0318u
Ca 370.602	-2.134u	-0.6918u	1.553
Cd 226.502	0.3499	-0.0100u	0.0973
Co 228.615	0.3227	0.1957	0.3200
Cr 267.716	-0.2454u	-0.1059u	-0.0311u
Cu 324.754	0.3719	0.3256	0.4469
Fe 271.441	0.1148	2.1848	3.2993
K 766.491	-0.9493u	-0.8597u	-1.2949u
Mg 279.078	-0.4658u	-1.3829u	-4.0725u
Mn 257.610	-0.0328u	-0.0128u	0.0004
Mo 202.032	-0.0993u	-0.2083u	0.1342
Na 330.237	-86.1626u	-35.8809u	123.813

Label	Replicates Concentration		
Ni 231.604	0.4563	1.0977	0.0786
Pb 220.353	2.5245	1.9901	1.2329
Sb 206.834	2.9805	2.2919	-0.6586u
Se 196.026	7.3929	2.5979	-5.7908u
Sn 189.925	-3.3213u	-0.6123u	1.3595
Sr 216.596	-0.1089u	0.1783	-0.4396u
Ti 334.941	0.0398	0.0816	0.0122
Tl 190.794	-2.3203u	-3.7789u	0.6403
V 292.401	0.1867	-0.1315u	-0.1251u
Zn 206.200	2.4748	1.2687	1.1652

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	0.1648	ppb	0.5470	332.0	-11.6845
Al 308.215	-4.9791	ppb	0.5036	10.1	360.087
As 188.980	-3.2565	ppb	1.5943	49.0	-5.5396
B 249.678	2.5377	ppb	0.5641	22.2	65.4748
Ba 389.178	0.2196	ppb	0.7291	332.0	-28.0176
Be 313.042	-0.0208	ppb	0.0124	59.7	-3257.15
Ca 370.602	-0.4242	ppb	1.858	438.1	-3.157
Cd 226.502	0.1457	ppb	0.1848	126.8	18.3157
Co 228.615	0.2795	ppb	0.0725	26.0	-8.7261
Cr 267.716	-0.1275	ppb	0.1088	85.3	3.9995
Cu 324.754	0.3815	ppb	0.0612	16.0	224.683
Fe 271.441	1.8663	ppb	1.6160	86.6	22.1281
K 766.491	-1.0346	ppb	0.2298	22.2	1704.95
Mg 279.078	-1.9737	ppb	1.8746	95.0	26.3958
Mn 257.610	-0.0151	ppb	0.0167	111.0	14.6566
Mo 202.032	-0.0578	ppb	0.1750	302.9	4.8753
Na 330.237	0.5898	ppb	109.636	18587.8	52.4672
Ni 231.604	0.5442	ppb	0.5152	94.7	4.9797
Pb 220.353	1.9159	ppb	0.6490	33.9	1.6065
Sb 206.834	1.5379	ppb	1.9332	125.7	7.3584
Se 196.026	1.4000	ppb	6.6730	476.6	6.0762
Sn 189.925	-0.8580	ppb	2.3501	273.9	-5.0440
Sr 216.596	-0.1234	ppb	0.3092	250.6	0.0565
Ti 334.941	0.0445	ppb	0.0350	78.6	-70.3151
Tl 190.794	-1.8196	ppb	2.2518	123.7	-6.6153
V 292.401	-0.0233	ppb	0.1819	780.5	7.1234
Zn 206.200	1.6363	ppb	0.7280	44.5	4.2046

llcs 680-348404/2-a (Samp) **9/12/2014, 6:37:39 PM** **Rack 2, Tube 47**

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

Label	Replicates Concentration		
Ag 328.068	11.5545	10.2768	10.6131
Al 308.215	208.180	204.851	209.940
As 188.980	22.4931	22.8669	23.3917
B 249.678	104.433	104.680	105.519
Ba 389.178	9.9773	10.4728	10.2518
Be 313.042	4.1270	4.1130	4.1339
Ca 370.602	512.8	508.8	515.4
Cd 226.502	5.3813	5.4433	5.4463
Co 228.615	10.5072	10.4523	10.5539
Cr 267.716	10.1737	10.3947	10.4629

Label	Replicates Concentration		
Cu 324.754	22.3446	22.1658	22.4953
Fe 271.441	49.6211	64.3022	63.4244
K 766.491	1134.44	1130.25	1138.68
Mg 279.078	518.212	513.622	522.008
Mn 257.610	10.8155	10.8280	10.8961
Mo 202.032	10.6386	9.2112	10.6714
Na 330.237	1029.37	1092.14	1275.26
Ni 231.604	43.0612	42.5076	41.2297
Pb 220.353	11.9913	11.8112	4.0434
Sb 206.834	24.9789	21.8498	15.4868
Se 196.026	24.6197	28.8036	14.2308
Sn 189.925	49.2515	50.7321	47.5757
Sr 216.596	10.1087	10.1712	10.1165
Ti 334.941	10.4656	10.4957	10.4876
Tl 190.794	21.5157	23.5293	22.0919
V 292.401	10.4412	10.4830	10.7200
Zn 206.200	23.0665	22.3643	22.9744

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	10.8148	ppb	0.6623	6.1	503.519
Al 308.215	207.657	ppb	2.5844	1.2	1567.78
As 188.980	22.9172	ppb	0.4514	2.0	6.6245
B 249.678	104.877	ppb	0.5692	0.5	1468.88
Ba 389.178	10.2340	ppb	0.2483	2.4	183.047
Be 313.042	4.1247	ppb	0.0107	0.3	6462.24
Ca 370.602	512.3	ppb	3.302	0.6	1900
Cd 226.502	5.4236	ppb	0.0367	0.7	171.022
Co 228.615	10.5045	ppb	0.0509	0.5	69.3609
Cr 267.716	10.3438	ppb	0.1512	1.5	273.280
Cu 324.754	22.3352	ppb	0.1649	0.7	1281.17
Fe 271.441	59.1159	ppb	8.2344	13.9	72.6058
K 766.491	1134.46	ppb	4.2166	0.4	146427
Mg 279.078	517.947	ppb	4.1996	0.8	1133.36
Mn 257.610	10.8466	ppb	0.0434	0.4	1516.70
Mo 202.032	10.1737	ppb	0.8337	8.2	61.0055
Na 330.237	1132.26	ppb	127.764	11.3	118.823
Ni 231.604	42.2662	ppb	0.9393	2.2	119.133
Pb 220.353	9.2820	ppb	4.5376	48.9	8.6952
Sb 206.834	20.7718	ppb	4.8370	23.3	23.1713
Se 196.026	22.5514	ppb	7.5034	33.3	13.3540
Sn 189.925	49.1865	ppb	1.5792	3.2	21.7778
Sr 216.596	10.1321	ppb	0.0341	0.3	72.8113
Ti 334.941	10.4830	ppb	0.0156	0.1	3590.81
Tl 190.794	22.3790	ppb	1.0370	4.6	6.3937
V 292.401	10.5480	ppb	0.1504	1.4	344.188
Zn 206.200	22.8017	ppb	0.3816	1.7	46.8254

lcs 680-348404/4-a (Samp) **9/12/2014, 6:42:08 PM** **Rack 2, Tube 48**

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

Label	Replicates Concentration		
Ag 328.068	22.1778	22.0799	21.4466
Al 308.215	2003.21	2009.57	2009.83
As 188.980	45.9519	46.1967	42.9001

Label	Replicates Concentration		
B 249.678	83.0844	82.9195	83.5381
Ba 389.178	40.7237	41.1597	40.9073
Be 313.042	20.3760	20.4204	20.4838
Ca 370.602	1963	1964	1977
Cd 226.502	20.4810	20.5917	20.8476
Co 228.615	20.3831	21.2363	21.1705
Cr 267.716	40.5574	40.5947	41.0805
Cu 324.754	41.1176	41.8682	41.9829
Fe 271.441	2070.98	2067.34	2068.19
K 766.491	2209.08	2218.36	2220.48
Mg 279.078	2012.82	2018.16	2026.21
Mn 257.610	210.961	211.308	211.961
Mo 202.032	39.3436	39.8901	41.2408
Na 330.237	2166.12	2128.33	2067.29
Ni 231.604	41.2720	39.0857	41.0927
Pb 220.353	23.9307	23.6041	20.5180
Sb 206.834	21.4324	17.6201	20.9464
Se 196.026	44.8775	44.9029	45.3226
Sn 189.925	74.5428	79.7317	76.9975
Sr 216.596	39.2300	39.2863	40.3198
Ti 334.941	40.6945	40.7857	40.8580
Tl 190.794	18.4006	13.1515	18.2984
V 292.401	40.9644	41.0643	41.3221
Zn 206.200	39.1559	40.7315	40.9709

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	21.9014	ppb	0.3969	1.8	1040.31
Al 308.215	2007.54	ppb	3.7473	0.2	11784.0
As 188.980	45.0162	ppb	1.8367	4.1	16.8863
B 249.678	83.1806	ppb	0.3204	0.4	1170.04
Ba 389.178	40.9303	ppb	0.2189	0.5	833.047
Be 313.042	20.4267	ppb	0.0542	0.3	44683.0
Ca 370.602	1968	ppb	7.875	0.4	7277
Cd 226.502	20.6401	ppb	0.1880	0.9	615.942
Co 228.615	20.9300	ppb	0.4747	2.3	148.982
Cr 267.716	40.7442	ppb	0.2918	0.7	1055.05
Cu 324.754	41.6562	ppb	0.4700	1.1	2209.69
Fe 271.441	2068.84	ppb	1.9033	0.1	1821.56
K 766.491	2215.97	ppb	6.0649	0.3	284271
Mg 279.078	2019.06	ppb	6.7395	0.3	4325.70
Mn 257.610	211.410	ppb	0.5080	0.2	29208.8
Mo 202.032	40.1582	ppb	0.9766	2.4	225.353
Na 330.237	2120.58	ppb	49.8661	2.4	175.583
Ni 231.604	40.4835	ppb	1.2138	3.0	114.326
Pb 220.353	22.6843	ppb	1.8831	8.3	21.5122
Sb 206.834	19.9996	ppb	2.0750	10.4	22.2235
Se 196.026	45.0344	ppb	0.2500	0.6	21.1460
Sn 189.925	77.0907	ppb	2.5957	3.4	36.7333
Sr 216.596	39.6121	ppb	0.6136	1.5	287.068
Ti 334.941	40.7794	ppb	0.0819	0.2	14217.3
Tl 190.794	16.6169	ppb	3.0015	18.1	3.1955
V 292.401	41.1169	ppb	0.1845	0.4	1319.55
Zn 206.200	40.2861	ppb	0.9861	2.4	82.0241

Cont Calib Verif (CCV) **9/12/2014, 6:46:36 PM** **Rack 2, Tube 49**

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

Label	Replicates Concentration		
Ag 328.068	491.902	490.515	491.420
Al 308.215	4861.03	4852.09	4867.34
As 188.980	488.626	472.253	482.365
B 249.678	499.984	501.035	503.658
Ba 389.178	4839.42	4836.90	4852.47
Be 313.042	489.967	488.644	491.691
Ca 370.602	4834	4839	4842
Cd 226.502	487.841	487.631	488.837
Co 228.615	485.387	486.770	487.141
Cr 267.716	4857.56	4856.30	4871.80
Cu 324.754	4958.15	4944.39	4930.36
Fe 271.441	4903.26	4904.72	4932.75
K 766.491	10047.8	10015.6	10057.5
Mg 279.078	4850.44	4856.67	4868.02
Mn 257.610	4928.92	4936.92	4946.87
Mo 202.032	484.127	485.634	485.509
Na 330.237	7404.89	7178.15	7397.61
Ni 231.604	2446.61	2442.54	2448.85
Pb 220.353	487.238	494.409	494.613
Sb 206.834	950.265	950.700	936.614
Se 196.026	4938.77	4940.17	4956.76
Sn 189.925	4804.32	4817.58	4808.15
Sr 216.596	2402.57	2404.41	2416.69
Ti 334.941	481.383	480.113	482.005
Tl 190.794	4917.45	4919.41	4930.53
V 292.401	4865.97	4858.52	4879.70
Zn 206.200	2406.22	2416.55	2425.86

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Ag 328.068	491.279	ppb	0.7039	0.1	23772.7	98.25581
Al 308.215	4860.15	ppb	7.6585	0.2	28242.9	97.20305
As 188.980	481.081	ppb	8.2613	1.7	219.593	96.21623
B 249.678	501.559	ppb	1.8924	0.4	6916.95	100.31179
Ba 389.178	4842.93	ppb	8.3586	0.2	101375	96.85854
Be 313.042	490.101	ppb	1.5282	0.3	1147089	98.02015
Ca 370.602	4838	ppb	4.262	0.1	17977	96.76391
Cd 226.502	488.103	ppb	0.6441	0.1	14136.3	97.62059
Co 228.615	486.432	ppb	0.9247	0.2	3703.89	97.28648
Cr 267.716	4861.88	ppb	8.6062	0.2	125031	97.23769
Cu 324.754	4944.30	ppb	13.8930	0.3	238211	98.88598
Fe 271.441	4913.58	ppb	16.6218	0.3	4343.13	98.27155
K 766.491	10040.3	ppb	21.9257	0.2	1281509	100.40300
Mg 279.078	4858.38	ppb	8.9127	0.2	10365.8	97.16756
Mn 257.610	4937.57	ppb	8.9968	0.2	681478	98.75140
Mo 202.032	485.090	ppb	0.8362	0.2	2664.31	97.01799
Na 330.237	7326.88	ppb	128.857	1.8	466.803	97.69178
Ni 231.604	2446.00	ppb	3.1999	0.1	6695.91	97.84008
Pb 220.353	492.087	ppb	4.2007	0.9	475.923	98.41737
Sb 206.834	945.860	ppb	8.0101	0.8	810.692	94.58598
Se 196.026	4945.24	ppb	10.0047	0.2	1706.81	98.90471
Sn 189.925	4810.02	ppb	6.8238	0.1	2573.36	96.20036
Sr 216.596	2407.89	ppb	7.6754	0.3	17310.4	96.31558

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Ti 334.941	481.167	ppb	0.9642	0.2	168640	96.23335
Tl 190.794	4922.47	ppb	7.0531	0.1	2642.83	98.44931
V 292.401	4868.06	ppb	10.7415	0.2	156180	97.36127
Zn 206.200	2416.21	ppb	9.8245	0.4	4857.63	96.64840

Cont Calib Blank (CCB) **9/12/2014, 6:51:04 PM** **Rack 2, Tube 50**

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

Label	Replicates Concentration		
Ag 328.068	0.2392	0.0439	-0.1285u
Al 308.215	-5.6289u	-5.3948u	-7.2713u
As 188.980	3.4747	-0.2021u	-2.4364u
B 249.678	5.7158	5.3735	4.7863
Ba 389.178	0.3521	0.8444	0.0946
Be 313.042	-0.0211u	-0.0035u	-0.0130u
Ca 370.602	1.024	3.067	-1.714u
Cd 226.502	0.2844	0.2201	0.2657
Co 228.615	0.4691	0.2878	0.5333
Cr 267.716	0.0741	-0.0454u	-0.0358u
Cu 324.754	0.6613	0.7949	0.6448
Fe 271.441	1.2163	2.8903	-9.2535u
K 766.491	-0.3017u	-0.8063u	-0.7406u
Mg 279.078	-1.0386u	0.6643	-0.2964u
Mn 257.610	0.2489	0.2273	0.1115
Mo 202.032	1.6166	1.3728	0.8980
Na 330.237	-9.8794u	47.1062	-55.4771u
Ni 231.604	0.5041	1.0898	0.4067
Pb 220.353	1.1925	1.2163	-1.1464u
Sb 206.834	3.5959	-0.5360u	11.4200
Se 196.026	5.8728	16.5461	9.1718
Sn 189.925	-0.8734u	0.0119	-0.7812u
Sr 216.596	-0.1267u	-0.1557u	-0.0201u
Ti 334.941	0.1724	0.1441	0.1744
Tl 190.794	1.7642	-4.8325u	2.8506
V 292.401	0.4697	0.3529	0.4276
Zn 206.200	-0.2294u	0.5398	-1.1673u

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Ag 328.068	0.0515	ppb	0.1839	357.0	-17.1596	0.05152
Al 308.215	-6.0983	ppb	1.0226	16.8	353.840	-6.09834
As 188.980	0.2787	ppb	2.9847	1070.8	-3.8965	0.27874
B 249.678	5.2919	ppb	0.4701	8.9	103.305	5.29188
Ba 389.178	0.4304	ppb	0.3810	88.5	-23.6133	0.43035
Be 313.042	-0.0125	ppb	0.0088	70.2	-3237.90	-0.01252
Ca 370.602	0.7922	ppb	2.399	302.8	1.499	0.79216
Cd 226.502	0.2567	ppb	0.0331	12.9	21.5025	0.25671
Co 228.615	0.4301	ppb	0.1273	29.6	-7.5999	0.43009
Cr 267.716	-0.0024	ppb	0.0664	2764.1	7.2135	-0.00240
Cu 324.754	0.7003	ppb	0.0823	11.8	240.053	0.70032
Fe 271.441	-1.7156	ppb	6.5815	383.6	18.9839	-1.71561
K 766.491	-0.6162	ppb	0.2744	44.5	1758.28	-0.61623
Mg 279.078	-0.2236	ppb	0.8538	381.9	30.1400	-0.22357
Mn 257.610	0.1959	ppb	0.0739	37.7	43.7692	0.19594
Mo 202.032	1.2958	ppb	0.3654	28.2	12.3026	1.29579

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Na 330.237	-6.0834	ppb	51.3969	844.9	52.0834	-6.08345
Ni 231.604	0.6669	ppb	0.3695	55.4	5.3150	0.66687
Pb 220.353	0.4208	ppb	1.3573	322.5	0.1634	0.42083
Sb 206.834	4.8266	ppb	6.0722	125.8	10.0585	4.82663
Se 196.026	10.5302	ppb	5.4647	51.9	9.2156	10.53025Z
Sn 189.925	-0.5476	ppb	0.4867	88.9	-4.8776	-0.54755
Sr 216.596	-0.1008	ppb	0.0714	70.8	0.1903	-0.10079
Ti 334.941	0.1636	ppb	0.0169	10.4	-28.5478	0.16363
Tl 190.794	-0.0726	ppb	4.1579	5728.6	-5.6767	-0.07258
V 292.401	0.4168	ppb	0.0591	14.2	20.9457	0.41675
Zn 206.200	-0.2856	ppb	0.8549	299.3	0.3318	-0.28565

680-104949-y-1-a (Samp) **9/12/2014, 6:55:33 PM** **Rack 2, Tube 51**

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

Label	Replicates Concentration		
Ag 328.068	-0.1008u	-0.0885u	0.6195
Al 308.215	107.400	104.787	105.273
As 188.980	-7.0594u	-0.6515u	-17.6333u
B 249.678	75.1685	77.4047	76.4812
Ba 389.178	88.7654	90.9137	89.8703
Be 313.042	-0.0681u	-0.0669u	-0.0523u
Ca 370.602	86909	87029	87018
Cd 226.502	-0.0516	0.0419	-0.3072
Co 228.615	0.3610	0.0925	0.6339
Cr 267.716	9.2278	9.5442	9.2934
Cu 324.754	26.1118	25.7975	26.1689
Fe 271.441	10515.0	10571.1	10536.7
K 766.491	5801.00	5809.68	5801.63
Mg 279.078	12327.1	12327.6	12307.9
Mn 257.610	163.928	164.322	163.843
Mo 202.032	3.1810	2.3957	2.3704
Na 330.237	20708.0	20456.4	20638.5
Ni 231.604	6.7592	6.6008	5.8152
Pb 220.353	20.0463	30.0163	24.1832
Sb 206.834	-1.7446u	-3.4478u	1.2132
Se 196.026	-0.1830	-8.5550u	2.2960
Sn 189.925	-4.0393u	-8.6724u	0.0280
Sr 216.596	750.082	746.307	747.659
Ti 334.941	2.4639	2.3709	2.3133
Tl 190.794	-4.5846u	-7.0691u	-1.5962u
V 292.401	0.5834	0.4778	0.2811
Zn 206.200	816.704	821.322	820.131

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	0.1434	ppb	0.4124	287.5	-13.3757
Al 308.215	105.820	ppb	1.3898	1.3	988.961
As 188.980	-8.4480	ppb	8.5756	101.5	-8.0230
B 249.678	76.3515	ppb	1.1237	1.5	1070.50
Ba 389.178	89.8498	ppb	1.0743	1.2	1897.57
Be 313.042	-0.0624	ppb	0.0088	14.1	-3323.08
Ca 370.602	86985	ppb	66.09	0.1	322443
Cd 226.502	-0.1056	ppb	0.1807	171.1	37.5278
Co 228.615	0.3625	ppb	0.2707	74.7	-7.6314

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Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Cr 267.716	9.3551	ppb	0.1670	1.8	248.086
Cu 324.754	26.0261	ppb	0.2000	0.8	1376.29
Fe 271.441	10541.0	ppb	28.3058	0.3	9189.67
K 766.491	5804.10	ppb	4.8406	0.1	741591
Mg 279.078	12320.9	ppb	11.2611	0.1	26244.5
Mn 257.610	164.031	ppb	0.2559	0.2	22747.2
Mo 202.032	2.6490	ppb	0.4609	17.4	18.8813
Na 330.237	20601.0	ppb	129.945	0.6	1257.83
Ni 231.604	6.3917	ppb	0.5056	7.9	21.3448
Pb 220.353	24.7486	ppb	5.0090	20.2	23.5230
Sb 206.834	-1.3264	ppb	2.3585	177.8	5.0036
Se 196.026	-2.1473	ppb	5.6859	264.8	5.4623
Sn 189.925	-4.2279	ppb	4.3533	103.0	-6.8460
Sr 216.596	748.016	ppb	1.9127	0.3	5428.36
Ti 334.941	2.3827	ppb	0.0760	3.2	775.166
Tl 190.794	-4.4166	ppb	2.7403	62.0	-8.7198
V 292.401	0.4474	ppb	0.1534	34.3	25.3551
Zn 206.200	819.385	ppb	2.3976	0.3	1652.03

680-104949-y-1-b ms (Samp) **9/12/2014, 7:00:01 PM** **Rack 2, Tube 52**

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

Label	Replicates Concentration		
Ag 328.068	22.1167	22.2598	22.3338
Al 308.215	2188.57	2196.02	2187.96
As 188.980	32.2476	35.4619	42.3898
B 249.678	159.142	158.754	159.528
Ba 389.178	130.062	129.635	129.426
Be 313.042	20.5684	20.5705	20.6146
Ca 370.602	88999	89051	89024
Cd 226.502	20.6213	20.4354	20.5010
Co 228.615	20.2056	20.8148	20.5763
Cr 267.716	50.5512	50.2189	50.5456
Cu 324.754	68.5320	68.3743	68.9484
Fe 271.441	12613.5	12609.6	12630.6
K 766.491	8145.76	8139.55	8135.44
Mg 279.078	14386.8	14376.2	14381.1
Mn 257.610	375.509	375.491	375.998
Mo 202.032	42.8768	42.1638	43.1037
Na 330.237	22780.2	22997.5	22957.2
Ni 231.604	46.9441	45.2510	45.3962
Pb 220.353	42.6341	48.7787	43.6444
Sb 206.834	19.5996	16.2111	22.0989
Se 196.026	43.6644	44.4112	31.5496
Sn 189.925	75.7758	81.5660	83.9727
Sr 216.596	788.783	786.915	788.075
Ti 334.941	42.9290	42.8016	42.8062
Tl 190.794	12.6161	9.0993	13.3712
V 292.401	42.0856	41.7022	41.6805
Zn 206.200	853.854	851.638	849.513

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	22.2368	ppb	0.1104	0.5	1055.87
Al 308.215	2190.85	ppb	4.4880	0.2	12824.3

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Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
As 188.980	36.6998	ppb	5.1832	14.1	12.9509
B 249.678	159.141	ppb	0.3870	0.2	2204.55
Ba 389.178	129.708	ppb	0.3245	0.3	2740.88
Be 313.042	20.5845	ppb	0.0261	0.1	45084.7
Ca 370.602	89024	ppb	26.24	0.0	329985
Cd 226.502	20.5192	ppb	0.0943	0.5	638.915
Co 228.615	20.5322	ppb	0.3070	1.5	146.403
Cr 267.716	50.4385	ppb	0.1902	0.4	1304.58
Cu 324.754	68.6183	ppb	0.2966	0.4	3424.67
Fe 271.441	12617.9	ppb	11.1771	0.1	10997.8
K 766.491	8140.25	ppb	5.1925	0.1	1039341
Mg 279.078	14381.4	ppb	5.2780	0.0	30627.9
Mn 257.610	375.666	ppb	0.2877	0.1	51970.4
Mo 202.032	42.7148	ppb	0.4905	1.1	238.535
Na 330.237	22911.6	ppb	115.597	0.5	1392.19
Ni 231.604	45.8638	ppb	0.9384	2.0	129.412
Pb 220.353	45.0191	ppb	3.2949	7.3	42.9457
Sb 206.834	19.3032	ppb	2.9550	15.3	21.6675
Se 196.026	39.8751	ppb	7.2197	18.1	19.9781
Sn 189.925	80.4382	ppb	4.2132	5.2	38.5315
Sr 216.596	787.924	ppb	0.9432	0.1	5716.65
Ti 334.941	42.8456	ppb	0.0723	0.2	14967.5
Tl 190.794	11.6955	ppb	2.2799	19.5	-0.1577
V 292.401	41.8228	ppb	0.2279	0.5	1345.38
Zn 206.200	851.668	ppb	2.1706	0.3	1717.02

680-104949-y-1-c msd (Samp) **9/12/2014, 7:04:29 PM** **Rack 2, Tube 53**

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

Label	Replicates Concentration		
Ag 328.068	22.4190	22.2165	22.1983
Al 308.215	2180.93	2186.66	2178.82
As 188.980	39.5912	39.1015	30.0547
B 249.678	158.330	160.124	160.424
Ba 389.178	130.538	129.667	129.681
Be 313.042	20.5365	20.5285	20.5588
Ca 370.602	89409	89486	89529
Cd 226.502	20.4141	20.4185	20.5657
Co 228.615	20.9773	20.7663	20.2097
Cr 267.716	50.3009	50.0786	50.1813
Cu 324.754	68.2958	68.7926	68.6138
Fe 271.441	12617.0	12642.5	12678.7
K 766.491	8139.68	8149.26	8155.77
Mg 279.078	14427.0	14449.9	14432.4
Mn 257.610	375.625	375.969	376.282
Mo 202.032	43.1909	42.8255	42.0595
Na 330.237	23283.4	22938.8	23050.6
Ni 231.604	47.2692	45.6017	48.0801
Pb 220.353	49.9761	45.5557	51.6224
Sb 206.834	19.2600	13.6734	17.7111
Se 196.026	39.7217	47.5337	45.7088
Sn 189.925	82.2008	83.9945	79.9282
Sr 216.596	791.425	794.309	792.491
Ti 334.941	42.3694	42.5123	42.6502

Label	Replicates Concentration		
Tl 190.794	14.0128	11.3561	12.3793
V 292.401	41.6282	41.4264	41.4162
Zn 206.200	855.744	859.221	858.024

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	22.2779	ppb	0.1225	0.5	1057.86
Al 308.215	2182.14	ppb	4.0545	0.2	12774.8
As 188.980	36.2491	ppb	5.3701	14.8	12.7412
B 249.678	159.626	ppb	1.1323	0.7	2211.18
Ba 389.178	129.962	ppb	0.4991	0.4	2746.40
Be 313.042	20.5413	ppb	0.0157	0.1	44983.4
Ca 370.602	89474	ppb	60.68	0.1	331653
Cd 226.502	20.4661	ppb	0.0862	0.4	637.466
Co 228.615	20.6511	ppb	0.3966	1.9	147.308
Cr 267.716	50.1869	ppb	0.1113	0.2	1298.11
Cu 324.754	68.5674	ppb	0.2516	0.4	3421.80
Fe 271.441	12646.1	ppb	30.9821	0.2	11022.3
K 766.491	8148.24	ppb	8.0913	0.1	1040359
Mg 279.078	14436.4	ppb	11.9285	0.1	30745.1
Mn 257.610	375.958	ppb	0.3286	0.1	52011.2
Mo 202.032	42.6920	ppb	0.5774	1.4	238.407
Na 330.237	23091.0	ppb	175.804	0.8	1402.72
Ni 231.604	46.9837	ppb	1.2636	2.7	132.477
Pb 220.353	49.0514	ppb	3.1372	6.4	46.8358
Sb 206.834	16.8815	ppb	2.8842	17.1	19.6622
Se 196.026	44.3214	ppb	4.0866	9.2	21.5099
Sn 189.925	82.0411	ppb	2.0379	2.5	39.3906
Sr 216.596	792.742	ppb	1.4583	0.2	5751.52
Ti 334.941	42.5106	ppb	0.1404	0.3	14850.2
Tl 190.794	12.5828	ppb	1.3400	10.6	0.3167
V 292.401	41.4903	ppb	0.1195	0.3	1334.71
Zn 206.200	857.663	ppb	1.7662	0.2	1729.10

680-104992-a-3-a (Samp) **9/12/2014, 7:08:57 PM** **Rack 2, Tube 54**

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

Label	Replicates Concentration		
Ag 328.068	-0.3221u	-0.2994u	-0.0174u
Al 308.215	153.382	152.799	152.405
As 188.980	-3.2081u	-4.0005u	-4.7988u
B 249.678	63.8554	64.2687	63.6081
Ba 389.178	60.9911	61.5741	61.7673
Be 313.042	-0.0486u	-0.0573u	-0.0567u
Ca 370.602	43811	43814	43752
Cd 226.502	0.1317	-0.0128u	0.1583
Co 228.615	0.4585	0.2841	0.6995
Cr 267.716	0.0534	0.2449	0.3462
Cu 324.754	5.7546	6.3577	6.2114
Fe 271.441	-22.2749u	-20.8982u	-12.5624u
K 766.491	4296.41	4300.27	4289.36
Mg 279.078	14812.4	14812.6	14791.8
Mn 257.610	10.2667	10.2691	10.2454
Mo 202.032	1.7593	2.2787	2.8674
Na 330.237	28464.3	28680.3	28615.1

Label	Replicates Concentration		
Ni 231.604	3.8085	1.7672	2.5397
Pb 220.353	3.9539	0.1423	7.7463
Sb 206.834	-1.7274u	0.2356	-5.5733u
Se 196.026	-0.4732	10.3174	-3.8482u
Sn 189.925	-5.0643u	0.2855	-1.2482u
Sr 216.596	183.977	182.592	184.386
Ti 334.941	0.2034	0.2463	0.3003
Tl 190.794	-3.7760u	-4.1295u	-10.6671u
V 292.401	2.2429	2.5794	2.4295
Zn 206.200	304.596	310.218	311.519

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.2130	ppb	0.1698	79.7	-30.1008
Al 308.215	152.862	ppb	0.4913	0.3	1255.98
As 188.980	-4.0025	ppb	0.7954	19.9	-5.8855
B 249.678	63.9107	ppb	0.3338	0.5	907.013
Ba 389.178	61.4442	ppb	0.4041	0.7	1290.38
Be 313.042	-0.0542	ppb	0.0049	9.0	-3321.71
Ca 370.602	43792	ppb	34.54	0.1	162404
Cd 226.502	0.0924	ppb	0.0921	99.6	16.7342
Co 228.615	0.4807	ppb	0.2086	43.4	-7.2285
Cr 267.716	0.2148	ppb	0.1487	69.2	13.0129
Cu 324.754	6.1079	ppb	0.3146	5.2	458.495
Fe 271.441	-18.5785	ppb	5.2554	28.3	4.3697
K 766.491	4295.35	ppb	5.5342	0.1	549294
Mg 279.078	14805.6	ppb	11.9280	0.1	31556.3
Mn 257.610	10.2604	ppb	0.0130	0.1	1516.56
Mo 202.032	2.3018	ppb	0.5544	24.1	17.8234
Na 330.237	28586.6	ppb	110.779	0.4	1734.01
Ni 231.604	2.7051	ppb	1.0307	38.1	10.8912
Pb 220.353	3.9475	ppb	3.8020	96.3	3.5587
Sb 206.834	-2.3550	ppb	2.9549	125.5	4.0991
Se 196.026	1.9987	ppb	7.3993	370.2	6.5077
Sn 189.925	-2.0090	ppb	2.7549	137.1	-5.6553
Sr 216.596	183.652	ppb	0.9400	0.5	1336.51
Ti 334.941	0.2500	ppb	0.0485	19.4	30.4659
Tl 190.794	-6.1909	ppb	3.8805	62.7	-8.9602
V 292.401	2.4173	ppb	0.1686	7.0	85.0227
Zn 206.200	308.778	ppb	3.6794	1.2	623.038

680-104992-a-3-aSD^5 (Samp) **9/12/2014, 7:13:26 PM** **Rack 2, Tube 55**

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

Label	Replicates Concentration		
Ag 328.068	-0.3576u	-0.0453u	0.1204
Al 308.215	24.6864	24.3643	26.1452
As 188.980	-5.6146u	-1.1527u	-1.5701u
B 249.678	14.7530	14.1387	14.4012
Ba 389.178	12.7536	11.9951	13.0967
Be 313.042	-0.0306u	-0.0394u	-0.0387u
Ca 370.602	8737	8765	8766
Cd 226.502	0.0740	0.2130	0.2714
Co 228.615	0.2716	0.9571	0.8355
Cr 267.716	0.0105	-0.1594u	-0.2495u

Label	Replicates Concentration		
Cu 324.754	1.4810	1.2430	1.4406
Fe 271.441	-9.4528u	-9.1815u	-5.9648u
K 766.491	789.001	792.198	791.986
Mg 279.078	2947.93	2953.18	2971.56
Mn 257.610	1.9978	2.0646	1.9685
Mo 202.032	0.8434	0.9999	0.5373
Na 330.237	5722.95	5589.67	5426.44
Ni 231.604	-0.2023u	0.3866	0.1256
Pb 220.353	4.4516	4.2075	-1.2575u
Sb 206.834	-4.1062u	0.8068	0.9849
Se 196.026	1.2078	-4.0047u	0.9370
Sn 189.925	2.0458	1.7872	1.4680
Sr 216.596	36.7681	36.3378	36.2253
Ti 334.941	0.0897	0.1302	0.1107
Tl 190.794	-0.8658u	0.1707	-2.4303u
V 292.401	0.2745	0.3161	0.4713
Zn 206.200	61.8879	61.5778	62.3160

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.0942	ppb	0.2427	257.8	-24.2376
Al 308.215	25.0653	ppb	0.9490	3.8	530.633
As 188.980	-2.7791	ppb	2.4644	88.7	-5.3175
B 249.678	14.4310	ppb	0.3082	2.1	228.540
Ba 389.178	12.6152	ppb	0.5637	4.5	238.801
Be 313.042	-0.0362	ppb	0.0049	13.4	-3290.72
Ca 370.602	8756	ppb	16.36	0.2	32471
Cd 226.502	0.1861	ppb	0.1014	54.5	19.4598
Co 228.615	0.6881	ppb	0.3657	53.2	-5.6181
Cr 267.716	-0.1328	ppb	0.1320	99.4	3.9047
Cu 324.754	1.3882	ppb	0.1274	9.2	264.781
Fe 271.441	-8.1997	ppb	1.9402	23.7	13.3873
K 766.491	791.061	ppb	1.7875	0.2	102660
Mg 279.078	2957.56	ppb	12.4087	0.4	6328.17
Mn 257.610	2.0103	ppb	0.0492	2.4	310.917
Mo 202.032	0.7935	ppb	0.2353	29.7	9.5470
Na 330.237	5579.69	ppb	148.510	2.7	380.657
Ni 231.604	0.1033	ppb	0.2951	285.6	3.7730
Pb 220.353	2.4672	ppb	3.2280	130.8	2.1366
Sb 206.834	-0.7715	ppb	2.8893	374.5	5.4343
Se 196.026	-0.6200	ppb	2.9344	473.3	5.4266
Sn 189.925	1.7670	ppb	0.2894	16.4	-3.6360
Sr 216.596	36.4437	ppb	0.2865	0.8	266.013
Ti 334.941	0.1102	ppb	0.0202	18.4	-41.5386
Tl 190.794	-1.0418	ppb	1.3094	125.7	-6.1963
V 292.401	0.3540	ppb	0.1037	29.3	19.0612
Zn 206.200	61.9272	ppb	0.3707	0.6	125.680

680-104992-a-3-aPDS (Samp) **9/12/2014, 7:17:54 PM** **Rack 2, Tube 56**

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

Label	Replicates Concentration		
Ag 328.068	34.4486	34.2944	34.3669
Al 308.215	2315.03	2313.00	2315.48
As 188.980	207.679	204.375	210.546

Label	Replicates Concentration		
B 249.678	581.947	583.912	585.547
Ba 389.178	275.437	276.181	276.870
Be 313.042	53.8711	53.8919	53.8726
Ca 370.602	45353	45347	45346
Cd 226.502	54.6914	54.7280	54.4317
Co 228.615	215.190	213.996	213.416
Cr 267.716	214.888	214.859	214.055
Cu 324.754	227.654	227.864	225.475
Fe 271.441	2134.62	2133.49	2140.33
K 766.491	6595.76	6600.45	6608.27
Mg 279.078	16792.0	16819.0	16773.8
Mn 257.610	233.553	233.844	233.542
Mo 202.032	211.387	212.917	212.661
Na 330.237	30923.5	30605.0	30641.2
Ni 231.604	213.165	213.854	215.082
Pb 220.353	216.108	214.277	217.002
Sb 206.834	213.317	205.083	202.911
Se 196.026	225.511	201.692	207.712
Sn 189.925	215.379	214.915	208.942
Sr 216.596	394.251	394.884	394.785
Ti 334.941	212.704	212.870	212.724
Tl 190.794	202.093	204.258	201.944
V 292.401	216.412	216.637	216.169
Zn 206.200	517.465	519.970	521.818

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	34.3700	ppb	0.0771	0.2	1643.63
Al 308.215	2314.51	ppb	1.3192	0.1	13545.3
As 188.980	207.533	ppb	3.0880	1.5	92.4412
B 249.678	583.802	ppb	1.8026	0.3	8036.44
Ba 389.178	276.162	ppb	0.7167	0.3	5794.87
Be 313.042	53.8785	ppb	0.0116	0.0	123142
Ca 370.602	45349	ppb	3.993	0.0	168192
Cd 226.502	54.6170	ppb	0.1616	0.3	1598.38
Co 228.615	214.201	ppb	0.9042	0.4	1624.97
Cr 267.716	214.601	ppb	0.4727	0.2	5526.01
Cu 324.754	226.997	ppb	1.3225	0.6	11090.3
Fe 271.441	2136.15	ppb	3.6672	0.2	1893.33
K 766.491	6601.49	ppb	6.3160	0.1	843221
Mg 279.078	16794.9	ppb	22.7375	0.1	35787.9
Mn 257.610	233.646	ppb	0.1715	0.1	32361.5
Mo 202.032	212.322	ppb	0.8197	0.4	1169.91
Na 330.237	30723.2	ppb	174.401	0.6	1854.85
Ni 231.604	214.034	ppb	0.9709	0.5	589.161
Pb 220.353	215.795	ppb	1.3891	0.6	207.650
Sb 206.834	207.104	ppb	5.4892	2.7	175.296
Se 196.026	211.638	ppb	12.3855	5.9	78.6609
Sn 189.925	213.079	ppb	3.5898	1.7	109.622
Sr 216.596	394.640	ppb	0.3404	0.1	2852.81
Ti 334.941	212.766	ppb	0.0907	0.0	74550.9
Tl 190.794	202.765	ppb	1.2953	0.6	103.440
V 292.401	216.406	ppb	0.2340	0.1	6907.74
Zn 206.200	519.751	ppb	2.1849	0.4	1047.65

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680-104992-a-4-a (Samp) **9/12/2014, 7:22:22 PM** **Rack 2, Tube 57**

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

Label	Replicates Concentration		
Ag 328.068	-0.3619u	-0.3733u	-0.6920u
Al 308.215	646.386	640.884	636.957
As 188.980	4.6235	4.7970	4.9747
B 249.678	63.4169	62.2268	61.6983
Ba 389.178	67.0631	66.9144	65.8044
Be 313.042	-0.0327u	-0.0226u	-0.0216u
Ca 370.602	36332	36016	35982
Cd 226.502	-0.0122	0.2835	-0.0522
Co 228.615	-0.2022u	0.7065	0.6896
Cr 267.716	0.9407	0.7602	0.8399
Cu 324.754	3.0521	3.1490	3.1804
Fe 271.441	701.125	693.275	708.968
K 766.491	4369.50	4335.67	4330.66
Mg 279.078	12831.0	12697.7	12691.7
Mn 257.610	63.0000	62.3559	62.4952
Mo 202.032	3.1384	2.5995	3.1852
Na 330.237	26722.5	26332.8	26685.1
Ni 231.604	3.3410	3.2395	1.1827
Pb 220.353	0.4542	4.6879	4.1013
Sb 206.834	-0.0144u	-1.2171u	-5.4658u
Se 196.026	-0.3450	5.0194	0.3303
Sn 189.925	0.1093	-1.0680u	-0.8280u
Sr 216.596	161.525	161.035	160.090
Ti 334.941	10.4997	10.4573	10.5947
Tl 190.794	0.0770	-3.6688u	0.8649
V 292.401	4.4599	4.2504	4.2080
Zn 206.200	4.4068	5.1188	6.1595

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.4757	ppb	0.1874	39.4	-42.6828
Al 308.215	641.409	ppb	4.7362	0.7	4028.19
As 188.980	4.7984	ppb	0.1756	3.7	-1.8007
B 249.678	62.4473	ppb	0.8803	1.4	886.429
Ba 389.178	66.5940	ppb	0.6878	1.0	1394.34
Be 313.042	-0.0256	ppb	0.0061	23.9	-3257.04
Ca 370.602	36110	ppb	192.8	0.5	133906
Cd 226.502	0.0730	ppb	0.1834	251.2	17.9687
Co 228.615	0.3980	ppb	0.5198	130.6	-7.6920
Cr 267.716	0.8469	ppb	0.0904	10.7	29.2455
Cu 324.754	3.1272	ppb	0.0669	2.1	322.114
Fe 271.441	701.123	ppb	7.8463	1.1	630.417
K 766.491	4345.27	ppb	21.1247	0.5	555658
Mg 279.078	12740.1	ppb	78.7327	0.6	27156.8
Mn 257.610	62.6170	ppb	0.3389	0.5	8732.04
Mo 202.032	2.9744	ppb	0.3255	10.9	21.4551
Na 330.237	26580.2	ppb	215.021	0.8	1616.35
Ni 231.604	2.5878	ppb	1.2178	47.1	10.5950
Pb 220.353	3.0811	ppb	2.2938	74.4	2.6928
Sb 206.834	-2.2324	ppb	2.8640	128.3	4.1937
Se 196.026	1.6682	ppb	2.9218	175.1	6.3712
Sn 189.925	-0.5955	ppb	0.6221	104.5	-4.8981
Sr 216.596	160.883	ppb	0.7295	0.5	1170.92

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Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ti 334.941	10.5173	ppb	0.0704	0.7	3626.52
Tl 190.794	-0.9090	ppb	2.4223	266.5	-6.1670
V 292.401	4.3061	ppb	0.1349	3.1	145.984
Zn 206.200	5.2284	ppb	0.8815	16.9	11.4546

680-104992-a-5-a (Samp) **9/12/2014, 7:26:51 PM** **Rack 2, Tube 58**

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

Label	Replicates Concentration		
Ag 328.068	-0.4081u	0.3892	-0.0053
Al 308.215	415.911	414.715	413.854
As 188.980	-4.3405u	-2.7702u	-5.8292u
B 249.678	57.6119	58.2440	58.1667
Ba 389.178	64.2355	62.4514	63.4629
Be 313.042	-0.0405u	-0.0369u	-0.0264u
Ca 370.602	42372	42364	42343
Cd 226.502	0.2170	0.0017	0.1491
Co 228.615	0.7065	0.2929	0.4246
Cr 267.716	0.5530	0.5473	0.6536
Cu 324.754	277.665	278.572	278.345
Fe 271.441	437.292	434.936	435.671
K 766.491	4353.79	4359.45	4363.41
Mg 279.078	13063.3	13052.5	13057.2
Mn 257.610	276.585	276.337	276.486
Mo 202.032	2.0624	1.7239	2.0802
Na 330.237	26763.5	26806.0	26929.4
Ni 231.604	1.8093	1.7652	2.7370
Pb 220.353	3.6439	3.8766	7.0922
Sb 206.834	2.8049	-3.4069u	1.1587
Se 196.026	12.0269	-1.7977u	7.2964
Sn 189.925	-1.0722u	0.9171	-0.7286u
Sr 216.596	163.898	162.651	164.784
Ti 334.941	6.4311	6.4500	6.3345
Tl 190.794	-0.2448u	-3.8727u	-5.9834u
V 292.401	3.3515	3.6054	3.2313
Zn 206.200	24.4446	23.4195	22.5221

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.0080	ppb	0.3987	4966.1	-19.3384
Al 308.215	414.827	ppb	1.0330	0.2	2742.43
As 188.980	-4.3133	ppb	1.5297	35.5	-6.0331
B 249.678	58.0076	ppb	0.3448	0.6	825.747
Ba 389.178	63.3833	ppb	0.8947	1.4	1327.44
Be 313.042	-0.0346	ppb	0.0073	21.2	-3275.73
Ca 370.602	42360	ppb	15.17	0.0	157086
Cd 226.502	0.1226	ppb	0.1101	89.8	18.7425
Co 228.615	0.4747	ppb	0.2113	44.5	-7.1583
Cr 267.716	0.5847	ppb	0.0598	10.2	22.5085
Cu 324.754	278.194	ppb	0.4722	0.2	13561.3
Fe 271.441	435.966	ppb	1.2052	0.3	399.765
K 766.491	4358.88	ppb	4.8363	0.1	557392
Mg 279.078	13057.7	ppb	5.4576	0.0	27833.5
Mn 257.610	276.469	ppb	0.1250	0.0	38246.6
Mo 202.032	1.9555	ppb	0.2008	10.3	15.8863

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Na 330.237	26833.0	ppb	86.1447	0.3	1631.35
Ni 231.604	2.1038	ppb	0.5488	26.1	9.2617
Pb 220.353	4.8709	ppb	1.9272	39.6	4.4331
Sb 206.834	0.1856	ppb	3.2182	1734.2	6.2101
Se 196.026	5.8419	ppb	7.0261	120.3	7.8639
Sn 189.925	-0.2946	ppb	1.0633	360.9	-4.7367
Sr 216.596	163.777	ppb	1.0715	0.7	1193.02
Ti 334.941	6.4052	ppb	0.0620	1.0	2185.26
Tl 190.794	-3.3670	ppb	2.9025	86.2	-7.4336
V 292.401	3.3960	ppb	0.1910	5.6	116.813
Zn 206.200	23.4620	ppb	0.9620	4.1	48.1871

680-104992-a-6-a (Samp) **9/12/2014, 7:31:19 PM** **Rack 2, Tube 59**

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

Label	Replicates Concentration		
Ag 328.068	0.0201	-0.2463u	-0.1435u
Al 308.215	60.8247	61.2539	60.4629
As 188.980	-5.3248u	-4.2534u	-6.0035u
B 249.678	62.6348	62.4106	63.0052
Ba 389.178	57.7364	57.4979	57.5720
Be 313.042	-0.0424u	-0.0310u	-0.0524u
Ca 370.602	39499	39537	39526
Cd 226.502	-0.0851u	0.1488	0.1475
Co 228.615	-0.0724u	1.3701	0.4910
Cr 267.716	-0.2840u	-0.3123u	-0.0462u
Cu 324.754	13.7979	13.9870	14.0437
Fe 271.441	-29.6444u	-17.5774u	-23.5830u
K 766.491	4210.97	4210.69	4211.52
Mg 279.078	13880.3	13862.1	13886.0
Mn 257.610	6.0382	6.0701	6.0519
Mo 202.032	2.1792	1.2677	2.1309
Na 330.237	28417.7	28175.8	28268.3
Ni 231.604	1.7786	1.9662	1.5239
Pb 220.353	-0.6982u	0.1536	1.4043
Sb 206.834	0.5915	-5.8499u	0.7181
Se 196.026	1.9832	-7.5441u	-9.2884u
Sn 189.925	-1.8041u	-5.9263u	5.0576
Sr 216.596	174.175	173.824	174.113
Ti 334.941	0.1543	0.1885	0.1555
Tl 190.794	0.4250	-6.5586u	1.9449
V 292.401	2.3286	2.2922	2.5236
Zn 206.200	237.977	236.298	237.321

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.1232	ppb	0.1344	109.0	-25.7618
Al 308.215	60.8472	ppb	0.3960	0.7	733.831
As 188.980	-5.1939	ppb	0.8824	17.0	-6.4392
B 249.678	62.6835	ppb	0.3003	0.5	890.167
Ba 389.178	57.6021	ppb	0.1221	0.2	1207.63
Be 313.042	-0.0420	ppb	0.0107	25.5	-3294.62
Ca 370.602	39521	ppb	19.33	0.0	146563
Cd 226.502	0.0704	ppb	0.1346	191.3	16.0778
Co 228.615	0.5962	ppb	0.7270	121.9	-6.3390

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Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Cr 267.716	-0.2142	ppb	0.1462	68.2	1.9766
Cu 324.754	13.9428	ppb	0.1287	0.9	839.850
Fe 271.441	-23.6016	ppb	6.0335	25.6	-0.0115
K 766.491	4211.06	ppb	0.4206	0.0	538552
Mg 279.078	13876.1	ppb	12.5286	0.1	29577.2
Mn 257.610	6.0534	ppb	0.0160	0.3	930.667
Mo 202.032	1.8593	ppb	0.5129	27.6	15.3957
Na 330.237	28287.2	ppb	122.071	0.4	1716.61
Ni 231.604	1.7562	ppb	0.2220	12.6	8.2948
Pb 220.353	0.2866	ppb	1.0575	369.0	0.0308
Sb 206.834	-1.5134	ppb	3.7560	248.2	4.8010
Se 196.026	-4.9497	ppb	6.0671	122.6	4.0958
Sn 189.925	-0.8909	ppb	5.5486	622.8	-5.0561
Sr 216.596	174.037	ppb	0.1871	0.1	1266.20
Ti 334.941	0.1661	ppb	0.0194	11.7	-0.8839
Tl 190.794	-1.3962	ppb	4.5349	324.8	-6.3840
V 292.401	2.3814	ppb	0.1244	5.2	83.9889
Zn 206.200	237.199	ppb	0.8460	0.4	478.820

640-49071-a-1-a (Samp) **9/12/2014, 7:35:48 PM** **Rack 2, Tube 60**

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

Label	Replicates Concentration		
Ag 328.068	0.2717	0.3964	0.0872
Al 308.215	-4.3387u	-4.1435u	-2.1832u
As 188.980	-0.8326u	8.3970	-6.3853u
B 249.678	13.2591	12.5145	12.6425
Ba 389.178	43.8861	43.8484	42.6363
Be 313.042	-0.0422u	-0.0398u	-0.0305u
Ca 370.602	10170	10170	10130
Cd 226.502	-0.0087	-0.1186u	-0.0019
Co 228.615	-0.3787u	0.1934	0.0182
Cr 267.716	-0.3028u	0.0701	-0.0792u
Cu 324.754	2.1322	2.1038	1.7953
Fe 271.441	898.029	898.669	883.403
K 766.491	1961.51	1958.54	1946.82
Mg 279.078	2744.82	2727.34	2724.21
Mn 257.610	41.4997	41.4199	41.3441
Mo 202.032	-0.1256u	-0.4537u	0.7165
Na 330.237	8350.43	8085.65	8296.52
Ni 231.604	1.2018	-0.0334u	0.5783
Pb 220.353	3.4378	4.2886	2.2622
Sb 206.834	0.3632	-1.5251u	0.9752
Se 196.026	5.9650	8.9601	-2.6534u
Sn 189.925	-2.6764u	-2.4920u	-2.4041u
Sr 216.596	71.5668	71.5611	70.2911
Ti 334.941	0.0615	0.0749	0.0666
Tl 190.794	-6.7074u	-0.1379u	0.4034
V 292.401	0.0599	-0.2179u	0.0074
Zn 206.200	189.156	190.649	186.963

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	0.2518	ppb	0.1556	61.8	-7.4599
Al 308.215	-3.5551	ppb	1.1922	33.5	368.165

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
As 188.980	0.3931	ppb	7.4670	1899.7	-3.8497
B 249.678	12.8054	ppb	0.3981	3.1	205.689
Ba 389.178	43.4569	ppb	0.7109	1.6	885.446
Be 313.042	-0.0375	ppb	0.0062	16.4	-3293.57
Ca 370.602	10157	ppb	23.26	0.2	37654
Cd 226.502	-0.0431	ppb	0.0655	152.0	15.0758
Co 228.615	-0.0557	ppb	0.2931	526.4	-11.2473
Cr 267.716	-0.1040	ppb	0.1876	180.5	4.6708
Cu 324.754	2.0104	ppb	0.1869	9.3	293.401
Fe 271.441	893.367	ppb	8.6350	1.0	797.578
K 766.491	1955.62	ppb	7.7659	0.4	251088
Mg 279.078	2732.12	ppb	11.1038	0.4	5846.36
Mn 257.610	41.4212	ppb	0.0778	0.2	5750.59
Mo 202.032	0.0457	ppb	0.6036	1320.5	5.3720
Na 330.237	8244.20	ppb	139.927	1.7	536.704
Ni 231.604	0.5822	ppb	0.6176	106.1	5.1146
Pb 220.353	3.3295	ppb	1.0175	30.6	2.9612
Sb 206.834	-0.0622	ppb	1.3033	2094.1	6.0334
Se 196.026	4.0906	ppb	6.0294	147.4	7.0706
Sn 189.925	-2.5241	ppb	0.1390	5.5	-5.9353
Sr 216.596	71.1397	ppb	0.7349	1.0	517.463
Ti 334.941	0.0677	ppb	0.0068	10.0	-57.0226
Tl 190.794	-2.1473	ppb	3.9584	184.3	-6.8470
V 292.401	-0.0502	ppb	0.1476	294.1	6.5721
Zn 206.200	188.923	ppb	1.8537	1.0	381.572

Cont Calib Verif (CCV) **9/12/2014, 7:40:17 PM** **Rack 3, Tube 1**

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

Label	Replicates Concentration		
Ag 328.068	487.978	488.118	487.398
Al 308.215	4837.35	4829.08	4822.54
As 188.980	475.016	470.166	476.761
B 249.678	496.030	499.147	500.637
Ba 389.178	4820.25	4809.52	4808.54
Be 313.042	488.807	488.569	486.817
Ca 370.602	4810	4814	4812
Cd 226.502	485.018	485.000	484.574
Co 228.615	484.125	482.001	482.047
Cr 267.716	4842.62	4836.33	4830.14
Cu 324.754	4970.94	4926.17	4886.66
Fe 271.441	4896.23	4888.65	4871.04
K 766.491	9990.89	9989.88	9964.50
Mg 279.078	4843.13	4827.66	4819.95
Mn 257.610	4929.17	4916.19	4912.25
Mo 202.032	481.366	484.488	483.096
Na 330.237	7277.56	7139.96	7061.55
Ni 231.604	2442.48	2428.89	2424.63
Pb 220.353	491.877	489.716	493.500
Sb 206.834	940.997	945.888	943.358
Se 196.026	4924.20	4894.50	4921.22
Sn 189.925	4763.37	4785.55	4795.46
Sr 216.596	2395.57	2393.13	2391.68
Ti 334.941	478.858	478.757	477.754

Label	Replicates Concentration		
Tl 190.794	4886.25	4911.47	4871.32
V 292.401	4844.43	4837.68	4832.52
Zn 206.200	2404.00	2394.65	2385.39

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Ag 328.068	487.831	ppb	0.3819	0.1	23605.8	97.56624
Al 308.215	4829.66	ppb	7.4202	0.2	28068.2	96.59313
As 188.980	473.981	ppb	3.4171	0.7	216.294	94.79623
B 249.678	498.605	ppb	2.3509	0.5	6876.41	99.72097
Ba 389.178	4812.77	ppb	6.4935	0.1	100744	96.25545
Be 313.042	488.064	ppb	1.0866	0.2	1142306	97.61285
Ca 370.602	4812	ppb	1.832	0.0	17879	96.23728
Cd 226.502	484.864	ppb	0.2511	0.1	14042.6	96.97276
Co 228.615	482.724	ppb	1.2131	0.3	3675.56	96.54487
Cr 267.716	4836.36	ppb	6.2403	0.1	124375	96.72726
Cu 324.754	4927.92	ppb	42.1698	0.9	237423	98.55848
Fe 271.441	4885.31	ppb	12.9256	0.3	4318.17	97.70618
K 766.491	9981.76	ppb	14.9516	0.1	1274048	99.81757
Mg 279.078	4830.25	ppb	11.8058	0.2	10305.9	96.60494
Mn 257.610	4919.20	ppb	8.8555	0.2	678943	98.38406
Mo 202.032	482.983	ppb	1.5642	0.3	2652.77	96.59668
Na 330.237	7159.69	ppb	109.348	1.5	457.072	95.46252
Ni 231.604	2432.00	ppb	9.3232	0.4	6657.60	97.27994
Pb 220.353	491.698	ppb	1.8986	0.4	475.541	98.33958
Sb 206.834	943.415	ppb	2.4461	0.3	808.541	94.34145
Se 196.026	4913.31	ppb	16.3552	0.3	1695.83	98.26614
Sn 189.925	4781.46	ppb	16.4333	0.3	2558.06	95.62919
Sr 216.596	2393.46	ppb	1.9670	0.1	17206.6	95.73839
Ti 334.941	478.456	ppb	0.6099	0.1	167689	95.69127
Tl 190.794	4889.68	ppb	20.2894	0.4	2625.19	97.79359
V 292.401	4838.21	ppb	5.9741	0.1	155222	96.76418
Zn 206.200	2394.68	ppb	9.3095	0.4	4814.31	95.78713

Cont Calib Blank (CCB) **9/12/2014, 7:44:46 PM** **Rack 3, Tube 2**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Replicates Concentration		
Ag 328.068	0.2547	0.2095	0.1655
Al 308.215	-4.8096u	-4.8723u	-3.9044u
As 188.980	4.8845	-5.3528u	0.1690
B 249.678	5.7733	5.4803	4.4370
Ba 389.178	-0.1438u	0.1358	1.0851
Be 313.042	0.0031	0.0029	-0.0224u
Ca 370.602	2.179	5.090	1.425
Cd 226.502	0.3116	-0.0097u	-0.0726u
Co 228.615	1.1031	-0.0962u	0.2054
Cr 267.716	-0.0407u	0.4218	0.1084
Cu 324.754	0.7154	0.7941	0.5860
Fe 271.441	-7.2860u	1.3186	2.2750
K 766.491	-0.1260u	-0.5278u	-0.2608u
Mg 279.078	-1.6819u	-0.9461u	-0.3296u
Mn 257.610	0.3117	0.3024	0.1920
Mo 202.032	1.3166	1.1599	0.6255
Na 330.237	325.054	49.5632	144.627

Label	Replicates Concentration		
Ni 231.604	-1.3137u	0.0658	-0.2920u
Pb 220.353	0.7108	-0.8805u	-6.0364u
Sb 206.834	1.7535	4.3859	6.5845
Se 196.026	5.7605	18.0464	5.2396
Sn 189.925	5.0649	-4.0888u	-1.7648u
Sr 216.596	-0.1260u	0.2488	0.6343
Ti 334.941	0.2112	0.2221	0.1666
Tl 190.794	2.4907	0.8844	1.3658
V 292.401	0.3736	0.1131	0.6156
Zn 206.200	-0.4494u	0.4495	1.1893

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Ag 328.068	0.2099	ppb	0.0446	21.3	-9.4983	0.20991
Al 308.215	-4.5288	ppb	0.5416	12.0	362.726	-4.52878
As 188.980	-0.0998	ppb	5.1240	5135.0	-4.0725	-0.09978
B 249.678	5.2302	ppb	0.7024	13.4	102.444	5.23023
Ba 389.178	0.3590	ppb	0.6442	179.4	-25.0989	0.35901
Be 313.042	-0.0055	ppb	0.0146	268.0	-3221.35	-0.00546
Ca 370.602	2.898	ppb	1.936	66.8	9.236	2.89782
Cd 226.502	0.0764	ppb	0.2061	269.6	16.3065	0.07645
Co 228.615	0.4041	ppb	0.6238	154.4	-7.7923	0.40409
Cr 267.716	0.1632	ppb	0.2361	144.7	11.4746	0.16319
Cu 324.754	0.6985	ppb	0.1051	15.0	239.957	0.69848
Fe 271.441	-1.2308	ppb	5.2657	427.8	19.4130	-1.23082
K 766.491	-0.3049	ppb	0.2045	67.1	1797.96	-0.30487
Mg 279.078	-0.9859	ppb	0.6771	68.7	28.5047	-0.98587
Mn 257.610	0.2687	ppb	0.0666	24.8	53.8167	0.26869
Mo 202.032	1.0340	ppb	0.3624	35.0	10.8659	1.03402
Na 330.237	173.082	ppb	139.932	80.8	62.6216	173.08171
Ni 231.604	-0.5133	ppb	0.7159	139.5	2.0863	-0.51327
Pb 220.353	-2.0687	ppb	3.5271	170.5	-2.2383	-2.06870
Sb 206.834	4.2413	ppb	2.4188	57.0	9.5798	4.24131
Se 196.026	9.6821	ppb	7.2483	74.9	8.9241	9.68215
Sn 189.925	-0.2629	ppb	4.7580	1809.8	-4.7250	-0.26291
Sr 216.596	0.2524	ppb	0.3802	150.6	2.7818	0.25235
Ti 334.941	0.2000	ppb	0.0294	14.7	-15.8143	0.19997
Tl 190.794	1.5803	ppb	0.8244	52.2	-4.7890	1.58031
V 292.401	0.3674	ppb	0.2513	68.4	19.4134	0.36745
Zn 206.200	0.3964	ppb	0.8206	207.0	1.7058	0.39645

680-105107-a-1-a (Samp) **9/12/2014, 7:49:15 PM** **Rack 3, Tube 3**

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

Label	Replicates Concentration		
Ag 328.068	0.4371	0.5071	0.0893
Al 308.215	2323.20	2321.86	2327.87
As 188.980	-1.4937u	-5.2978u	0.2698
B 249.678	17.6402	16.9051	17.3373
Ba 389.178	23.3035	23.6990	24.6333
Be 313.042	-0.0093u	0.0017	0.0041
Ca 370.602	6403	6417	6417
Cd 226.502	0.1838	0.2729	0.0559
Co 228.615	0.1513	0.5513	0.0272
Cr 267.716	0.5214	0.0527	0.3389

Label	Replicates Concentration		
Cu 324.754	2.2001	2.0280	2.1921
Fe 271.441	96.6770	93.4957	105.440
K 766.491	2305.21	2309.54	2318.09
Mg 279.078	1632.06	1633.43	1635.75
Mn 257.610	303.118	304.112	304.469
Mo 202.032	-0.0952u	-0.3800u	-0.6036u
Na 330.237	6367.46	6463.98	6562.41
Ni 231.604	0.0629	1.0309	1.0453
Pb 220.353	2.4401	0.2594	2.8133
Sb 206.834	5.9735	0.4761	-1.5684u
Se 196.026	5.1425	1.2816	-3.0475u
Sn 189.925	-1.9795u	1.4371	-5.6657u
Sr 216.596	38.5117	37.7564	38.6387
Ti 334.941	1.9508	1.9040	1.9026
Tl 190.794	0.3830	0.1463	-1.4055u
V 292.401	-0.0200u	-0.1642u	0.3238
Zn 206.200	4.2250	3.7155	4.3421

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	0.3445	ppb	0.2238	64.9	-2.0110
Al 308.215	2324.31	ppb	3.1553	0.1	13576.8
As 188.980	-2.1739	ppb	2.8455	130.9	-5.0372
B 249.678	17.2942	ppb	0.3694	2.1	267.760
Ba 389.178	23.8786	ppb	0.6829	2.9	471.471
Be 313.042	-0.0012	ppb	0.0071	604.6	-3209.43
Ca 370.602	6412	ppb	8.414	0.1	23778
Cd 226.502	0.1709	ppb	0.1091	63.8	19.2675
Co 228.615	0.2433	ppb	0.2739	112.6	-8.9646
Cr 267.716	0.3043	ppb	0.2363	77.6	15.1714
Cu 324.754	2.1401	ppb	0.0971	4.5	303.182
Fe 271.441	98.5375	ppb	6.1855	6.3	106.173
K 766.491	2310.95	ppb	6.5519	0.3	296376
Mg 279.078	1633.75	ppb	1.8645	0.1	3509.15
Mn 257.610	303.900	ppb	0.6999	0.2	41966.7
Mo 202.032	-0.3596	ppb	0.2548	70.9	3.2116
Na 330.237	6464.62	ppb	97.4759	1.5	432.837
Ni 231.604	0.7130	ppb	0.5631	79.0	5.4457
Pb 220.353	1.8376	ppb	1.3794	75.1	1.4369
Sb 206.834	1.6271	ppb	3.9004	239.7	7.4397
Se 196.026	1.1256	ppb	4.0972	364.0	6.0572
Sn 189.925	-2.0694	ppb	3.5523	171.7	-5.6919
Sr 216.596	38.3023	ppb	0.4770	1.2	278.991
Ti 334.941	1.9192	ppb	0.0274	1.4	590.062
Tl 190.794	-0.2921	ppb	0.9715	332.6	-5.7763
V 292.401	0.0465	ppb	0.2507	538.8	9.4295
Zn 206.200	4.0942	ppb	0.3331	8.1	9.1579

mb 680-348521/1-a (Samp) **9/12/2014, 7:53:44 PM** **Rack 3, Tube 4**

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

Label	Replicates Concentration		
Ag 328.068	-0.1461u	0.4551	-0.0666u
Al 308.215	-3.9336u	-1.3395u	-4.1011u
As 188.980	3.2358	-4.0502u	-5.9927u

Label	Replicates Concentration		
B 249.678	2.5317	3.2352	2.5635
Ba 389.178	0.4413	1.3296	0.1528
Be 313.042	-0.0555u	-0.0309u	-0.0174u
Ca 370.602	2.932	9.235	6.134
Cd 226.502	-0.0116u	0.1095	0.2530
Co 228.615	0.4952	-0.1623u	0.1445
Cr 267.716	0.1898	-0.2909u	-0.0367u
Cu 324.754	0.4029	0.5892	0.2516
Fe 271.441	3.3942	3.0136	3.6869
K 766.491	-0.6334u	-0.3563u	-0.5294u
Mg 279.078	1.1075	-1.5577u	0.2596
Mn 257.610	-0.0095u	-0.0622u	-0.0310u
Mo 202.032	0.0950	-0.6250u	-0.1014u
Na 330.237	60.2651	91.2472	126.047
Ni 231.604	0.9122	-0.0627u	0.1198
Pb 220.353	3.3801	0.2595	0.3139
Sb 206.834	2.5426	-2.2361u	-2.9430u
Se 196.026	6.8765	0.2894	0.8548
Sn 189.925	-1.7277u	-1.9994u	0.8159
Sr 216.596	-0.4133u	-0.5374u	-0.4856u
Ti 334.941	0.1010	0.1451	0.1240
Tl 190.794	5.8810	-4.0571u	-4.5387u
V 292.401	0.3443	0.0917	0.1392
Zn 206.200	0.6337	-0.1612u	1.4118

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	0.0808	ppb	0.3266	404.3	-15.7458
Al 308.215	-3.1247	ppb	1.5483	49.5	370.615
As 188.980	-2.2691	ppb	4.8653	214.4	-5.0807
B 249.678	2.7768	ppb	0.3973	14.3	68.7529
Ba 389.178	0.6413	ppb	0.6134	95.7	-19.1948
Be 313.042	-0.0346	ppb	0.0193	55.8	-3289.58
Ca 370.602	6.100	ppb	3.152	51.7	21.12
Cd 226.502	0.1169	ppb	0.1324	113.3	17.4719
Co 228.615	0.1591	ppb	0.3290	206.7	-9.6429
Cr 267.716	-0.0459	ppb	0.2405	523.5	6.0964
Cu 324.754	0.4146	ppb	0.1691	40.8	226.264
Fe 271.441	3.3649	ppb	0.3376	10.0	23.3931
K 766.491	-0.5063	ppb	0.1400	27.6	1772.28
Mg 279.078	-0.0635	ppb	1.3617	2142.8	30.4727
Mn 257.610	-0.0342	ppb	0.0265	77.5	12.0125
Mo 202.032	-0.2104	ppb	0.3722	176.8	4.0378
Na 330.237	92.5197	ppb	32.9093	35.6	57.8815
Ni 231.604	0.3231	ppb	0.5183	160.4	4.3746
Pb 220.353	1.3178	ppb	1.7862	135.5	1.0298
Sb 206.834	-0.8788	ppb	2.9841	339.5	5.3605
Se 196.026	2.6736	ppb	3.6508	136.6	6.5140
Sn 189.925	-0.9704	ppb	1.5529	160.0	-5.1042
Sr 216.596	-0.4788	ppb	0.0624	13.0	-2.5066
Ti 334.941	0.1233	ppb	0.0221	17.9	-42.6859
Tl 190.794	-0.9049	ppb	5.8817	650.0	-6.1239
V 292.401	0.1917	ppb	0.1343	70.0	14.0544
Zn 206.200	0.6281	ppb	0.7865	125.2	2.1730

lcs 680-348521/2-a (Samp) **9/12/2014, 7:58:13 PM** **Rack 3, Tube 5**

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

Label	Replicates Concentration		
Ag 328.068	51.3333	51.3159	51.5378
Al 308.215	4891.25	4909.87	4892.39
As 188.980	106.771	106.275	102.454
B 249.678	197.352	198.428	197.813
Ba 389.178	99.7002	101.858	100.564
Be 313.042	50.6704	50.7943	50.5994
Ca 370.602	4822	4836	4809
Cd 226.502	49.5808	50.1299	49.4126
Co 228.615	49.6697	50.0289	50.8843
Cr 267.716	100.468	100.417	100.428
Cu 324.754	103.132	102.352	102.945
Fe 271.441	4989.91	5011.63	4995.52
K 766.491	4970.28	4978.06	4957.67
Mg 279.078	4799.69	4823.20	4795.66
Mn 257.610	517.630	518.746	516.772
Mo 202.032	98.2701	100.133	100.920
Na 330.237	4989.73	5045.80	5055.25
Ni 231.604	98.6163	100.747	95.5880
Pb 220.353	52.7929	53.8198	49.3708
Sb 206.834	53.8946	52.0359	50.3930
Se 196.026	97.1534	117.397	100.728
Sn 189.925	203.607	198.497	203.476
Sr 216.596	97.3114	97.6296	96.5756
Ti 334.941	99.9379	100.234	99.8034
Tl 190.794	40.5965	37.6706	31.1244
V 292.401	100.634	100.633	101.023
Zn 206.200	97.3623	97.9741	98.4248

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	51.3957	ppb	0.1234	0.2	2467.81
Al 308.215	4897.84	ppb	10.4385	0.2	28190.6
As 188.980	105.167	ppb	2.3624	2.2	44.8300
B 249.678	197.864	ppb	0.5398	0.3	2740.93
Ba 389.178	100.707	ppb	1.0862	1.1	2096.73
Be 313.042	50.6880	ppb	0.0986	0.2	115632
Ca 370.602	4822	ppb	13.47	0.3	17836
Cd 226.502	49.7078	ppb	0.3751	0.8	1463.54
Co 228.615	50.1943	ppb	0.6240	1.2	372.443
Cr 267.716	100.437	ppb	0.0270	0.0	2590.10
Cu 324.754	102.810	ppb	0.4070	0.4	5150.82
Fe 271.441	4999.02	ppb	11.2724	0.2	4372.50
K 766.491	4968.67	ppb	10.2872	0.2	635112
Mg 279.078	4806.18	ppb	14.8725	0.3	10254.5
Mn 257.610	517.716	ppb	0.9897	0.2	71503.5
Mo 202.032	99.7743	ppb	1.3608	1.4	552.201
Na 330.237	5030.26	ppb	35.4168	0.7	344.460
Ni 231.604	98.3171	ppb	2.5924	2.6	272.660
Pb 220.353	51.9945	ppb	2.3295	4.5	49.6011
Sb 206.834	52.1078	ppb	1.7519	3.4	48.1780
Se 196.026	105.093	ppb	10.8047	10.3	41.8916
Sn 189.925	201.860	ppb	2.9129	1.4	103.605
Sr 216.596	97.1722	ppb	0.5406	0.6	702.771

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ti 334.941	99.9919	ppb	0.2205	0.2	34985.6
Tl 190.794	36.4638	ppb	4.8500	13.3	13.7262
V 292.401	100.763	ppb	0.2246	0.2	3221.99
Zn 206.200	97.9204	ppb	0.5333	0.5	198.068

280-59692-b-7-a (Samp) **9/12/2014, 8:02:42 PM** **Rack 3, Tube 6**

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

Label	Replicates Concentration		
Ag 328.068	-0.0434u	-0.0562u	0.1026
Al 308.215	38.7983	40.0046	39.4885
As 188.980	-4.3809u	3.8614	1.8146
B 249.678	76.7558	76.4819	76.9903
Ba 389.178	404.588	405.016	406.547
Be 313.042	-0.0645u	-0.0615u	-0.0762u
Ca 370.602	1817	1823	1824
Cd 226.502	0.0402	0.1461	0.0100
Co 228.615	0.5805	-0.0265u	1.0298
Cr 267.716	1.6027	1.6512	1.8252
Cu 324.754	1.6774	2.1878	1.7273
Fe 271.441	1303.68	1318.54	1317.36
K 766.491	2904.08	2903.26	2915.37
Mg 279.078	442.359	438.660	440.729
Mn 257.610	21.4806	21.4295	21.5297
Mo 202.032	1.0880	0.7807	1.0136
Na 330.237	440477x	439984x	438054x
Ni 231.604	2.2203	1.6469	1.4924
Pb 220.353	1.7534	-0.9886u	-1.9306u
Sb 206.834	0.0766	0.7339	-2.6107u
Se 196.026	-2.9132u	2.2780	7.1617
Sn 189.925	-0.6433u	1.5665	0.2536
Sr 216.596	300.930	301.034	301.558
Ti 334.941	1.5307	1.5688	1.5685
Tl 190.794	-0.9303u	-6.2232u	1.1548
V 292.401	0.4489	0.3761	0.3440
Zn 206.200	0.9933	2.1264	2.0979

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	0.0010b	ppb	0.0883	8890.6	-19.6638
Al 308.215	39.4305b	ppb	0.6052	1.5	612.149
As 188.980	0.4317b	ppb	4.2917	994.1	-3.8344
B 249.678	76.7427b	ppb	0.2545	0.3	1082.03
Ba 389.178	405.384b	ppb	1.0300	0.3	8456.76
Be 313.042	-0.0674b	ppb	0.0078	11.5	-3420.23
Ca 370.602	1821b	ppb	3.467	0.2	6736
Cd 226.502	0.0654b	ppb	0.0715	109.3	17.6297
Co 228.615	0.5279b	ppb	0.5301	100.4	-6.7678
Cr 267.716	1.6930b	ppb	0.1170	6.9	54.4089
Cu 324.754	1.8642b	ppb	0.2814	15.1	294.329
Fe 271.441	1313.19b	ppb	8.2631	0.6	1162.78
K 766.491	2907.57b	ppb	6.7673	0.2	372417
Mg 279.078	440.582b	ppb	1.8538	0.4	966.156
Mn 257.610	21.4799b	ppb	0.0501	0.2	2985.21
Mo 202.032	0.9608b	ppb	0.1603	16.7	10.3596

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Na 330.237	439505xb	ppb	1280.78	0.3	25919.3
Ni 231.604	1.7866b	ppb	0.3835	21.5	8.4238
Pb 220.353	-0.3886b	ppb	1.9139	492.5	-0.6322
Sb 206.834	-0.6001b	ppb	1.7720	295.3	5.5837
Se 196.026	2.1755b	ppb	5.0382	231.6	6.3720
Sn 189.925	0.3923b	ppb	1.1114	283.3	-4.2879
Sr 216.596	301.174b	ppb	0.3369	0.1	2177.11
Ti 334.941	1.5560b	ppb	0.0219	1.4	424.164
Tl 190.794	-1.9996b	ppb	3.8034	190.2	-6.7997
V 292.401	0.3897b	ppb	0.0538	13.8	17.0968
Zn 206.200	1.7392b	ppb	0.6461	37.1	4.4354

280-59692-b-7-b ms (Samp) **9/12/2014, 8:07:11 PM** **Rack 3, Tube 7**

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

Label	Replicates Concentration		
Ag 328.068	50.8613	51.0969	51.0846
Al 308.215	5206.30	5202.18	5192.19
As 188.980	106.646	102.644	103.013
B 249.678	269.746	269.316	270.738
Ba 389.178	479.976	481.269	481.195
Be 313.042	51.0500	51.0881	51.1143
Ca 370.602	6536	6548	6542
Cd 226.502	49.8744	50.0293	49.9742
Co 228.615	48.6608	49.5695	49.3002
Cr 267.716	101.554	102.118	101.944
Cu 324.754	105.878	105.041	105.163
Fe 271.441	6169.16	6204.33	6209.12
K 766.491	9622.89	9604.61	9591.98
Mg 279.078	5131.93	5144.00	5132.09
Mn 257.610	532.037	532.908	532.502
Mo 202.032	100.074	99.9110	98.9190
Na 330.237	419375x	419385x	419913x
Ni 231.604	98.2020	96.4735	101.043
Pb 220.353	51.2557	46.7368	52.2315
Sb 206.834	46.1328	52.7067	53.4559
Se 196.026	97.6412	105.100	100.241
Sn 189.925	195.136	198.824	200.041
Sr 216.596	381.169	382.894	382.212
Ti 334.941	100.564	100.818	100.659
Tl 190.794	37.1719	36.1712	38.0299
V 292.401	100.671	100.589	100.520
Zn 206.200	98.8617	102.290	100.083

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	51.0143b	ppb	0.1326	0.3	2449.29
Al 308.215	5200.22b	ppb	7.2560	0.1	29906.4
As 188.980	104.101b	ppb	2.2118	2.1	44.3267
B 249.678	269.933b	ppb	0.7294	0.3	3728.29
Ba 389.178	480.814b	ppb	0.7263	0.2	10056.5
Be 313.042	51.0841b	ppb	0.0323	0.1	116509
Ca 370.602	6542b	ppb	6.193	0.1	24197
Cd 226.502	49.9593b	ppb	0.0785	0.2	1472.28
Co 228.615	49.1768b	ppb	0.4667	0.9	364.739

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Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Cr 267.716	101.872b	ppb	0.2888	0.3	2630.40
Cu 324.754	105.361b	ppb	0.4520	0.4	5272.01
Fe 271.441	6194.20b	ppb	21.8241	0.4	5412.12
K 766.491	9606.49b	ppb	15.5431	0.2	1226219
Mg 279.078	5136.00b	ppb	6.9217	0.1	10954.5
Mn 257.610	532.482b	ppb	0.4358	0.1	73544.6
Mo 202.032	99.6347b	ppb	0.6252	0.6	551.339
Na 330.237	419558xb	ppb	307.895	0.1	24741.3
Ni 231.604	98.5727b	ppb	2.3070	2.3	273.401
Pb 220.353	50.0747b	ppb	2.9315	5.9	47.7253
Sb 206.834	50.7651b	ppb	4.0292	7.9	47.0805
Se 196.026	100.994b	ppb	3.7858	3.7	40.5087
Sn 189.925	198.000b	ppb	2.5540	1.3	101.617
Sr 216.596	382.091b	ppb	0.8687	0.2	2761.50
Ti 334.941	100.680b	ppb	0.1282	0.1	35193.2
Tl 190.794	37.1243b	ppb	0.9303	2.5	13.9971
V 292.401	100.593b	ppb	0.0759	0.1	3213.68
Zn 206.200	100.412b	ppb	1.7375	1.7	203.109

280-59692-b-7-c msd (Samp) **9/12/2014, 8:11:41 PM** **Rack 3, Tube 8**

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

Label	Replicates Concentration		
Ag 328.068	50.4197	51.1195	51.2009
Al 308.215	5160.90	5185.42	5171.18
As 188.980	100.464	103.758	100.579
B 249.678	269.591	271.178	271.129
Ba 389.178	481.232	483.856	481.597
Be 313.042	50.6593	50.8694	50.8251
Ca 370.602	6509	6529	6521
Cd 226.502	49.2470	49.5057	49.4114
Co 228.615	49.6131	48.6348	50.0967
Cr 267.716	101.239	101.269	101.755
Cu 324.754	106.336	106.661	106.760
Fe 271.441	6479.27	6492.22	6472.23
K 766.491	9551.23	9582.46	9584.17
Mg 279.078	5103.07	5122.05	5106.53
Mn 257.610	528.570	530.662	530.463
Mo 202.032	100.085	99.5898	99.1706
Na 330.237	420004x	424340x	421078x
Ni 231.604	98.4488	100.225	98.9815
Pb 220.353	46.8007	48.4788	48.8045
Sb 206.834	54.8974	48.5598	50.8938
Se 196.026	112.638	102.271	114.522
Sn 189.925	193.333	195.053	195.192
Sr 216.596	380.519	384.351	383.016
Ti 334.941	99.8809	100.270	100.409
Tl 190.794	28.1738	38.1540	37.8088
V 292.401	99.5267	99.6427	100.309
Zn 206.200	99.7600	102.252	99.4699

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	50.9134b	ppb	0.4295	0.8	2444.38
Al 308.215	5172.50b	ppb	12.3125	0.2	29749.1

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
As 188.980	101.600b	ppb	1.8690	1.8	43.1627
B 249.678	270.633b	ppb	0.9021	0.3	3737.68
Ba 389.178	482.228b	ppb	1.4214	0.3	10086.6
Be 313.042	50.7846b	ppb	0.1108	0.2	115807
Ca 370.602	6520b	ppb	10.11	0.2	24111
Cd 226.502	49.3880b	ppb	0.1309	0.3	1456.48
Co 228.615	49.4482b	ppb	0.7448	1.5	366.820
Cr 267.716	101.421b	ppb	0.2893	0.3	2618.81
Cu 324.754	106.586b	ppb	0.2216	0.2	5331.02
Fe 271.441	6481.24b	ppb	10.1422	0.2	5661.80
K 766.491	9572.62b	ppb	18.5460	0.2	1221902
Mg 279.078	5110.55b	ppb	10.1073	0.2	10899.7
Mn 257.610	529.898b	ppb	1.1550	0.2	73188.5
Mo 202.032	99.6150b	ppb	0.4576	0.5	551.209
Na 330.237	421807xb	ppb	2257.76	0.5	24873.5
Ni 231.604	99.2185b	ppb	0.9116	0.9	275.178
Pb 220.353	48.0280b	ppb	1.0753	2.2	45.7489
Sb 206.834	51.4504b	ppb	3.2053	6.2	47.6459
Se 196.026	109.810b	ppb	6.5966	6.0	43.5436
Sn 189.925	194.526b	ppb	1.0356	0.5	99.7553
Sr 216.596	382.629b	ppb	1.9455	0.5	2765.55
Ti 334.941	100.187b	ppb	0.2740	0.3	35020.1
Tl 190.794	34.7122b	ppb	5.6650	16.3	12.6808
V 292.401	99.8260b	ppb	0.4220	0.4	3189.14
Zn 206.200	100.494b	ppb	1.5294	1.5	203.282

280-59692-b-7-a^20 (Samp) **9/12/2014, 8:16:10 PM** **Rack 3, Tube 9**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Replicates Concentration		
Ag 328.068	0.4072	0.2455	-0.3589u
Al 308.215	-5.2801u	-2.7813u	-2.0294u
As 188.980	-2.9960u	-2.1631u	-4.3097u
B 249.678	8.7572	7.6125	7.7590
Ba 389.178	24.2010	25.1137	25.6689
Be 313.042	0.0051	-0.0037u	0.0005u
Ca 370.602	106.8	112.9	112.7
Cd 226.502	-0.1683u	0.0963	0.1847
Co 228.615	0.2025	0.2208	0.3296
Cr 267.716	-0.1532u	-0.1383u	-0.0797u
Cu 324.754	0.4142	0.5992	0.3976
Fe 271.441	81.8016	78.0099	81.2857
K 766.491	124.737	124.740	125.391
Mg 279.078	25.0110	27.6579	26.8733
Mn 257.610	1.2256	1.2702	1.2979
Mo 202.032	-0.2381u	-0.0030u	0.1866
Na 330.237	22386.3	22429.6	22427.8
Ni 231.604	-0.2914u	0.7913	1.1636
Pb 220.353	1.1773	0.8458	-0.3960u
Sb 206.834	7.0541	0.6245	-2.3380u
Se 196.026	7.6008	-7.4906u	-0.2509u
Sn 189.925	-0.9368u	-0.0762u	-0.7598u
Sr 216.596	17.6979	16.9609	17.4237
Ti 334.941	0.1470	0.0884	0.1417

Label	Replicates Concentration		
Tl 190.794	1.7115	7.7585	-5.1420u
V 292.401	0.1550	0.2209	0.2104
Zn 206.200	-0.6164u	0.4615	1.6791

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	0.0979	ppb	0.4038	412.3	-14.9185
Al 308.215	-3.3636	ppb	1.7018	50.6	369.267
As 188.980	-3.1563	ppb	1.0823	34.3	-5.4935
B 249.678	8.0429	ppb	0.6229	7.7	140.926
Ba 389.178	24.9945	ppb	0.7412	3.0	490.798
Be 313.042	0.0006	ppb	0.0044	719.0	-3209.70
Ca 370.602	110.8	ppb	3.466	3.1	408.5
Cd 226.502	0.0376	ppb	0.1837	489.1	15.2855
Co 228.615	0.2509	ppb	0.0687	27.4	-8.9414
Cr 267.716	-0.1238	ppb	0.0388	31.4	4.2751
Cu 324.754	0.4703	ppb	0.1119	23.8	228.853
Fe 271.441	80.3658	ppb	2.0565	2.6	90.3730
K 766.491	124.956	ppb	0.3766	0.3	17762.9
Mg 279.078	26.5141	ppb	1.3595	5.1	86.9139
Mn 257.610	1.2646	ppb	0.0365	2.9	191.511
Mo 202.032	-0.0182	ppb	0.2128	1171.9	5.0868
Na 330.237	22414.6	ppb	24.5031	0.1	1371.63
Ni 231.604	0.5545	ppb	0.7558	136.3	5.0103
Pb 220.353	0.5424	ppb	0.8294	152.9	0.2807
Sb 206.834	1.7802	ppb	4.8015	269.7	7.5577
Se 196.026	-0.0469	ppb	7.5478	16094.0	5.5803
Sn 189.925	-0.5909	ppb	0.4545	76.9	-4.8965
Sr 216.596	17.3608	ppb	0.3725	2.1	126.388
Ti 334.941	0.1257	ppb	0.0324	25.8	-43.6250
Tl 190.794	1.4427	ppb	6.4544	447.4	-4.8679
V 292.401	0.1955	ppb	0.0354	18.1	13.9989
Zn 206.200	0.5081	ppb	1.1485	226.0	1.9331

280-59692-b-7-b ms (Samp) **9/12/2014, 8:20:39 PM** **Rack 3, Tube 10**

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

Label	Replicates Concentration		
Ag 328.068	3.5966	2.9374	2.9208
Al 308.215	311.576	310.595	307.519
As 188.980	7.6055	11.6386	7.1871
B 249.678	18.4561	19.0325	18.0794
Ba 389.178	31.6183	30.6523	30.8674
Be 313.042	3.1851	3.1693	3.1576
Ca 370.602	411.8	414.2	405.2
Cd 226.502	3.1106	3.2718	3.1787
Co 228.615	3.4077	3.9025	3.7201
Cr 267.716	5.9985	6.0941	6.3989
Cu 324.754	6.9335	7.1871	6.5771
Fe 271.441	394.476	395.145	389.802
K 766.491	458.555	457.937	453.332
Mg 279.078	333.112	331.473	330.408
Mn 257.610	33.7630	33.5362	33.3025
Mo 202.032	6.3808	5.1851	5.8442
Na 330.237	23014.4	22742.5	22545.4

Label	Replicates Concentration		
Ni 231.604	7.2916	6.5051	5.6675
Pb 220.353	0.5420	2.5176	4.3689
Sb 206.834	-0.8220u	-4.7163u	0.9959
Se 196.026	11.8645	0.9825	10.5007
Sn 189.925	11.9110	11.9229	9.1138
Sr 216.596	23.9504	22.8515	23.9053
Ti 334.941	6.4343	6.3896	6.3290
Tl 190.794	-5.2363u	-1.0025u	4.6019
V 292.401	6.0989	6.3523	5.9604
Zn 206.200	6.6705	7.4229	6.6903

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	3.1516	ppb	0.3855	12.2	132.875
Al 308.215	309.897	ppb	2.1171	0.7	2147.42
As 188.980	8.8104	ppb	2.4582	27.9	0.0662
B 249.678	18.5227	ppb	0.4800	2.6	284.400
Ba 389.178	31.0460	ppb	0.5072	1.6	618.822
Be 313.042	3.1707	ppb	0.0138	0.4	4222.64
Ca 370.602	410.4	ppb	4.652	1.1	1516
Cd 226.502	3.1870	ppb	0.0809	2.5	107.126
Co 228.615	3.6768	ppb	0.2502	6.8	17.2298
Cr 267.716	6.1639	ppb	0.2091	3.4	165.968
Cu 324.754	6.8992	ppb	0.3065	4.4	538.041
Fe 271.441	393.141	ppb	2.9109	0.7	362.687
K 766.491	456.608	ppb	2.8540	0.6	60033.1
Mg 279.078	331.664	ppb	1.3620	0.4	736.041
Mn 257.610	33.5339	ppb	0.2303	0.7	4647.34
Mo 202.032	5.8033	ppb	0.5989	10.3	37.0007
Na 330.237	22767.4	ppb	235.484	1.0	1392.14
Ni 231.604	6.4881	ppb	0.8122	12.5	21.2556
Pb 220.353	2.4761	ppb	1.9138	77.3	2.1263
Sb 206.834	-1.5141	ppb	2.9183	192.7	4.7741
Se 196.026	7.7826	ppb	5.9284	76.2	8.2826
Sn 189.925	10.9825	ppb	1.6184	14.7	1.3064
Sr 216.596	23.5691	ppb	0.6218	2.6	171.235
Ti 334.941	6.3843	ppb	0.0528	0.8	2151.55
Tl 190.794	-0.5456	ppb	4.9350	904.4	-5.9503
V 292.401	6.1372	ppb	0.1987	3.2	203.534
Zn 206.200	6.9279	ppb	0.4288	6.2	14.8597

280-59692-b-7-c msd (Samp) **9/12/2014, 8:25:08 PM** **Rack 3, Tube 11**

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

Label	Replicates Concentration		
Ag 328.068	3.2299	2.9753	2.5924
Al 308.215	271.111	269.406	267.762
As 188.980	12.9051	6.3874	1.2775
B 249.678	16.4254	15.7751	16.1344
Ba 389.178	28.1292	26.2735	26.9291
Be 313.042	2.8240	2.7775	2.7785
Ca 370.602	371.9	365.1	358.7
Cd 226.502	2.8426	2.8105	2.7786
Co 228.615	2.8517	2.3433	3.3353
Cr 267.716	5.5501	5.9776	5.4370

Label	Replicates Concentration		
Cu 324.754	6.2878	5.9659	5.9065
Fe 271.441	355.373	342.297	350.474
K 766.491	402.988	397.004	395.953
Mg 279.078	299.345	291.058	292.910
Mn 257.610	29.9750	29.3800	29.3394
Mo 202.032	5.9421	5.4268	5.6813
Na 330.237	20447.4	19782.5	19596.6
Ni 231.604	5.2933	5.0147	5.9999
Pb 220.353	2.1251	6.3689	5.5274
Sb 206.834	4.0887	5.9513	2.0744
Se 196.026	0.6802	-0.0233	-0.1503u
Sn 189.925	9.6997	10.1176	6.1663
Sr 216.596	21.9293	20.9261	21.4864
Ti 334.941	5.6840	5.5647	5.5757
Tl 190.794	-2.6597u	0.5324	-1.6687u
V 292.401	5.8243	5.5392	5.2196
Zn 206.200	5.3930	5.9987	5.1904

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	2.9325	ppb	0.3209	10.9	122.269
Al 308.215	269.426	ppb	1.6747	0.6	1917.73
As 188.980	6.8567	ppb	5.8280	85.0	-0.8413
B 249.678	16.1116	ppb	0.3258	2.0	251.391
Ba 389.178	27.1106	ppb	0.9411	3.5	536.259
Be 313.042	2.7933	ppb	0.0266	1.0	3338.17
Ca 370.602	365.2	ppb	6.597	1.8	1349
Cd 226.502	2.8106	ppb	0.0320	1.1	96.1305
Co 228.615	2.8435	ppb	0.4961	17.4	10.8516
Cr 267.716	5.6549	ppb	0.2851	5.0	152.861
Cu 324.754	6.0534	ppb	0.2052	3.4	497.379
Fe 271.441	349.382	ppb	6.6061	1.9	324.580
K 766.491	398.648	ppb	3.7948	1.0	52645.9
Mg 279.078	294.438	ppb	4.3496	1.5	656.873
Mn 257.610	29.5648	ppb	0.3558	1.2	4099.26
Mo 202.032	5.6834	ppb	0.2576	4.5	36.3469
Na 330.237	19942.2	ppb	447.286	2.2	1225.90
Ni 231.604	5.4360	ppb	0.5079	9.3	18.3754
Pb 220.353	4.6738	ppb	2.2470	48.1	4.2488
Sb 206.834	4.0381	ppb	1.9389	48.0	9.3680
Se 196.026	0.1689	ppb	0.4474	264.9	5.6631
Sn 189.925	8.6612	ppb	2.1707	25.1	0.0618
Sr 216.596	21.4473	ppb	0.5027	2.3	155.908
Ti 334.941	5.6081	ppb	0.0659	1.2	1879.52
Tl 190.794	-1.2653	ppb	1.6339	129.1	-6.3349
V 292.401	5.5277	ppb	0.3025	5.5	183.988
Zn 206.200	5.5274	ppb	0.4206	7.6	12.0382

280-59693-b-3-a (Samp) **9/12/2014, 8:29:37 PM** **Rack 3, Tube 12**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Replicates Concentration		
Ag 328.068	0.2381	-0.4715u	0.0143
Al 308.215	19.0325	17.3590	19.6196
As 188.980	-6.1408u	-4.7928u	-2.0183u

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Label	Replicates Concentration		
B 249.678	502.437	504.720	503.518
Ba 389.178	1589.26	1585.90	1581.34
Be 313.042	-0.0882u	-0.0788u	-0.0763u
Ca 370.602	7102	7066	7071
Cd 226.502	0.1775	-0.0752u	0.1450
Co 228.615	0.2231	0.9521	0.6564
Cr 267.716	0.1629	-0.2663	0.5056
Cu 324.754	1.7322	1.9043	2.0357
Fe 271.441	775.713	773.358	769.683
K 766.491	6346.21	6342.22	6322.27
Mg 279.078	1668.33	1672.09	1671.78
Mn 257.610	19.8860	19.8060	19.7799
Mo 202.032	0.2182	-0.5137u	0.0941
Na 330.237	1282214x	1280960x	1267630x
Ni 231.604	1.4877	1.5067	1.3558
Pb 220.353	1.7770	0.8988	2.2239
Sb 206.834	-1.5364u	1.5356	-0.5845u
Se 196.026	28.1451	4.0935	9.9655
Sn 189.925	-0.8736u	0.7110	-3.5840u
Sr 216.596	1652.12	1650.38	1646.63
Ti 334.941	0.4833	0.4929	0.5055
Tl 190.794	-7.9725u	-12.0287u	-9.9500u
V 292.401	0.3496	0.6354	0.5344
Zn 206.200	8.6338	9.3648	8.2593

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.0731b	ppb	0.3627	496.6	-23.2173
Al 308.215	18.6704b	ppb	1.1730	6.3	494.282
As 188.980	-4.3173b	ppb	2.1020	48.7	-6.0377
B 249.678	503.559b	ppb	1.1420	0.2	6934.53
Ba 389.178	1585.50b	ppb	3.9751	0.3	33162.4
Be 313.042	-0.0811b	ppb	0.0062	7.7	-3554.53
Ca 370.602	7080b	ppb	19.75	0.3	26243
Cd 226.502	0.0824b	ppb	0.1375	166.8	13.6732
Co 228.615	0.6105b	ppb	0.3667	60.1	-6.1568
Cr 267.716	0.1341b	ppb	0.3868	288.5	21.1684
Cu 324.754	1.8907b	ppb	0.1522	8.0	290.575
Fe 271.441	772.918b	ppb	3.0391	0.4	692.847
K 766.491	6336.90b	ppb	12.8261	0.2	809497
Mg 279.078	1670.74b	ppb	2.0849	0.1	3586.59
Mn 257.610	19.8240b	ppb	0.0553	0.3	2760.17
Mo 202.032	-0.0672b	ppb	0.3917	583.2	4.7626
Na 330.237	1276935xb	ppb	8082.59	0.6	75207.1
Ni 231.604	1.4501b	ppb	0.0822	5.7	7.4845
Pb 220.353	1.6332b	ppb	0.6741	41.3	1.3253
Sb 206.834	-0.1951b	ppb	1.5726	805.9	5.9288
Se 196.026	14.0680b	ppb	12.5397	89.1	10.4810
Sn 189.925	-1.2489b	ppb	2.1719	173.9	-5.0028
Sr 216.596	1649.71b	ppb	2.8067	0.2	11916.5
Ti 334.941	0.4939b	ppb	0.0111	2.3	-15.9072
Tl 190.794	-9.9837b	ppb	2.0283	20.3	-11.0510
V 292.401	0.5065b	ppb	0.1450	28.6	14.3051
Zn 206.200	8.7526b	ppb	0.5622	6.4	18.5576

Cont Calib Verif (CCV) **9/12/2014, 8:34:06 PM** **Rack 3, Tube 13**

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

Label	Replicates Concentration		
Ag 328.068	494.063	490.369	491.865
Al 308.215	4878.25	4881.58	4873.66
As 188.980	466.493	479.120	484.992
B 249.678	503.081	507.065	506.072
Ba 389.178	4849.33	4861.85	4861.10
Be 313.042	492.225	493.814	492.223
Ca 370.602	4855	4853	4867
Cd 226.502	488.661	489.766	489.932
Co 228.615	488.029	488.785	488.132
Cr 267.716	4873.62	4886.85	4878.76
Cu 324.754	4986.98	4950.21	4986.10
Fe 271.441	4938.30	4943.81	4933.21
K 766.491	10040.2	10058.3	10028.8
Mg 279.078	4857.05	4866.67	4862.63
Mn 257.610	4958.68	4973.60	4952.21
Mo 202.032	488.231	488.337	487.483
Na 330.237	7560.81	7526.98	7362.26
Ni 231.604	2455.26	2456.48	2444.82
Pb 220.353	498.101	487.207	493.104
Sb 206.834	944.491	960.094	950.171
Se 196.026	4902.57	4954.78	4937.99
Sn 189.925	4807.16	4824.26	4824.99
Sr 216.596	2414.44	2421.18	2415.93
Ti 334.941	482.635	483.281	482.922
Tl 190.794	4926.91	4965.71	4963.55
V 292.401	4873.80	4889.50	4884.70
Zn 206.200	2413.94	2432.66	2423.26

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Ag 328.068	492.099	ppb	1.8582	0.4	23812.4	98.41978
Al 308.215	4877.83	ppb	3.9759	0.1	28343.6	97.55665
As 188.980	476.868	ppb	9.4528	2.0	217.636	95.37363
B 249.678	505.406	ppb	2.0734	0.4	6969.76	101.08121
Ba 389.178	4857.43	ppb	7.0190	0.1	101679	97.14854
Be 313.042	492.754	ppb	0.9179	0.2	1153310	98.55078
Ca 370.602	4858	ppb	7.841	0.2	18052	97.16867
Cd 226.502	489.453	ppb	0.6910	0.1	14175.3	97.89058
Co 228.615	488.315	ppb	0.4098	0.1	3718.23	97.66306
Cr 267.716	4879.74	ppb	6.6667	0.1	125490	97.59484
Cu 324.754	4974.43	ppb	20.9772	0.4	239662	99.48857
Fe 271.441	4938.44	ppb	5.2990	0.1	4364.74	98.76878
K 766.491	10042.4	ppb	14.8807	0.1	1281782	100.42441
Mg 279.078	4862.12	ppb	4.8306	0.1	10373.7	97.24237
Mn 257.610	4961.50	ppb	10.9673	0.2	684780	99.22995
Mo 202.032	488.017	ppb	0.4652	0.1	2680.37	97.60339
Na 330.237	7483.35	ppb	106.223	1.4	475.964	99.77800
Ni 231.604	2452.19	ppb	6.4096	0.3	6712.84	98.08753
Pb 220.353	492.804	ppb	5.4535	1.1	476.614	98.56076
Sb 206.834	951.585	ppb	7.8969	0.8	815.406	95.15852
Se 196.026	4931.78	ppb	26.6516	0.5	1702.19	98.63564
Sn 189.925	4818.80	ppb	10.0906	0.2	2578.07	96.37604
Sr 216.596	2417.18	ppb	3.5394	0.1	17377.1	96.68719

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Ti 334.941	482.946	ppb	0.3240	0.1	169263	96.58921
Tl 190.794	4952.06	ppb	21.8047	0.4	2658.73	99.04115
V 292.401	4882.67	ppb	8.0433	0.2	156649	97.65331
Zn 206.200	2423.28	ppb	9.3573	0.4	4871.88	96.93140

Cont Calib Blank (CCB) **9/12/2014, 8:38:35 PM** **Rack 3, Tube 14**

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

Label	Replicates Concentration		
Ag 328.068	-0.4012u	0.5157	0.1077
Al 308.215	-5.2504u	-5.1489u	-7.0307u
As 188.980	4.1548	-1.2757u	0.3374
B 249.678	6.5856	6.4537	5.6621
Ba 389.178	0.3619	0.6119	1.2780
Be 313.042	0.0422	0.0397	0.0175
Ca 370.602	1.317	1.783	4.093
Cd 226.502	-0.0293u	0.0441	0.2771
Co 228.615	0.3864	0.5406	0.2200
Cr 267.716	0.3614	0.0961	0.0465
Cu 324.754	0.8368	0.6542	0.7425
Fe 271.441	0.7667	-0.8799u	1.4570
K 766.491	-0.5711u	-0.3295u	-0.8962u
Mg 279.078	-0.8918u	1.8956	1.9905
Mn 257.610	0.3405	0.2653	0.3278
Mo 202.032	0.9011	1.0496	1.9842
Na 330.237	-58.6927u	91.2226	156.696
Ni 231.604	0.7747	0.2546	0.8121
Pb 220.353	2.9310	1.4301	1.0268
Sb 206.834	1.4495	-1.8779u	2.6946
Se 196.026	2.5478	12.0970	0.1417
Sn 189.925	2.3726	4.7220	-0.8036u
Sr 216.596	-0.3871u	-0.2758u	0.6128
Ti 334.941	0.1945	0.1628	0.1913
Tl 190.794	4.5760	-5.2075u	-0.9718u
V 292.401	0.3899	0.2942	0.3877
Zn 206.200	0.7340	1.0684	0.8523

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Ag 328.068	0.0741	ppb	0.4594	620.3	-16.0693	0.07406
Al 308.215	-5.8100	ppb	1.0584	18.2	355.478	-5.80999
As 188.980	1.0722	ppb	2.7888	260.1	-3.5278	1.07217
B 249.678	6.2338	ppb	0.4995	8.0	116.189	6.23383
Ba 389.178	0.7506	ppb	0.4735	63.1	-16.8966	0.75057
Be 313.042	0.0331	ppb	0.0136	41.1	-3130.96	0.03311
Ca 370.602	2.398	ppb	1.487	62.0	7.375	2.39791
Cd 226.502	0.0973	ppb	0.1600	164.4	16.9093	0.09730
Co 228.615	0.3824	ppb	0.1603	41.9	-7.9648	0.38235
Cr 267.716	0.1680	ppb	0.1693	100.8	11.5971	0.16799
Cu 324.754	0.7445	ppb	0.0913	12.3	242.181	0.74453
Fe 271.441	0.4479	ppb	1.2006	268.0	20.8731	0.44795
K 766.491	-0.5989	ppb	0.2843	47.5	1760.48	-0.59894
Mg 279.078	0.9981	ppb	1.6374	164.0	32.7292	0.99810
Mn 257.610	0.3112	ppb	0.0403	12.9	59.6884	0.31115
Mo 202.032	1.3116	ppb	0.5872	44.8	12.3891	1.31164

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Na 330.237	63.0753	ppb	110.419	175.1	56.1475	63.07529
Ni 231.604	0.6138	ppb	0.3116	50.8	5.1700	0.61381
Pb 220.353	1.7959	ppb	1.0034	55.9	1.4900	1.79594
Sb 206.834	0.7554	ppb	2.3640	312.9	6.6894	0.75539
Se 196.026	4.9288	ppb	6.3233	128.3	7.2896	4.92883
Sn 189.925	2.0970	ppb	2.7731	132.2	-3.4602	2.09700
Sr 216.596	-0.0167	ppb	0.5480	3276.3	0.8015	-0.01673
Ti 334.941	0.1828	ppb	0.0175	9.5	-21.8158	0.18283
Tl 190.794	-0.5344	ppb	4.9064	918.1	-5.9251	-0.53442
V 292.401	0.3573	ppb	0.0546	15.3	19.0151	0.35728
Zn 206.200	0.8849	ppb	0.1696	19.2	2.6901	0.88491

280-59693-b-3-a^20 (Samp) **9/12/2014, 8:43:04 PM** **Rack 3, Tube 15**

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

Label	Replicates Concentration		
Ag 328.068	-0.5084u	0.3292	0.0353
Al 308.215	-3.2061u	-4.1614u	-5.7380u
As 188.980	0.4987	-3.8988u	-7.4084u
B 249.678	32.9663	32.0759	31.5349
Ba 389.178	100.981	97.1142	93.3646
Be 313.042	-0.0139u	-0.0231u	-0.0154u
Ca 370.602	441.1	430.6	410.6
Cd 226.502	-0.0474u	0.1521	-0.0668u
Co 228.615	0.1850	0.4421	0.5564
Cr 267.716	-0.1779u	0.2242	0.1828
Cu 324.754	0.4391	0.4810	0.4292
Fe 271.441	49.2374	45.3508	41.9393
K 766.491	236.470	230.454	220.645
Mg 279.078	108.179	104.244	100.213
Mn 257.610	1.2401	1.2163	1.1346
Mo 202.032	0.4291	-0.3776u	0.2959
Na 330.237	63613.6	61257.7	59630.9
Ni 231.604	0.1475	0.8351	0.5547
Pb 220.353	3.0971	-1.6597u	0.1130
Sb 206.834	-8.8267u	2.0058	2.8144
Se 196.026	-6.6592u	13.3726	4.3281
Sn 189.925	-5.6847u	3.0682	-0.5098u
Sr 216.596	103.718	99.9538	95.5715
Ti 334.941	0.0522	0.1300	0.1155
Tl 190.794	-1.1868u	1.1955	-6.4571u
V 292.401	0.1167	-0.0654u	0.1970
Zn 206.200	0.6484	0.1751	0.9385

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.0480	ppb	0.4250	885.8	-21.9756
Al 308.215	-4.3685	ppb	1.2786	29.3	363.570
As 188.980	-3.6028	ppb	3.9619	110.0	-5.7007
B 249.678	32.1924	ppb	0.7228	2.2	472.057
Ba 389.178	97.1531	ppb	3.8082	3.9	2001.44
Be 313.042	-0.0175	ppb	0.0050	28.4	-3256.80
Ca 370.602	427.4	ppb	15.50	3.6	1583
Cd 226.502	0.0126	ppb	0.1211	958.8	14.3434
Co 228.615	0.3945	ppb	0.1902	48.2	-7.8481

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Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Cr 267.716	0.0764	ppb	0.2212	289.5	9.7415
Cu 324.754	0.4498	ppb	0.0275	6.1	227.563
Fe 271.441	45.5091	ppb	3.6517	8.0	60.0863
K 766.491	229.190	ppb	7.9877	3.5	31047.9
Mg 279.078	104.212	ppb	3.9829	3.8	252.418
Mn 257.610	1.1970	ppb	0.0553	4.6	182.449
Mo 202.032	0.1158	ppb	0.4325	373.5	5.8243
Na 330.237	61500.8	ppb	2002.46	3.3	3672.09
Ni 231.604	0.5124	ppb	0.3457	67.5	4.8941
Pb 220.353	0.5168	ppb	2.4040	465.2	0.2562
Sb 206.834	-1.3355	ppb	6.5002	486.7	4.9787
Se 196.026	3.6805	ppb	10.0316	272.6	6.8632
Sn 189.925	-1.0421	ppb	4.4006	422.3	-5.1306
Sr 216.596	99.7479	ppb	4.0773	4.1	721.407
Ti 334.941	0.0992	ppb	0.0414	41.7	-56.0101
Tl 190.794	-2.1495	ppb	3.9161	182.2	-6.7951
V 292.401	0.0828	ppb	0.1344	162.4	10.0150
Zn 206.200	0.5874	ppb	0.3854	65.6	2.0916

280-59693-b-7-a (Samp) **9/12/2014, 8:47:33 PM** **Rack 3, Tube 16**

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

Label	Replicates Concentration		
Ag 328.068	-0.0297u	-0.2441u	1.4048
Al 308.215	38.8449	36.5124	40.5923
As 188.980	0.7406	-4.2960u	0.6313
B 249.678	133.556	134.072	135.108
Ba 389.178	866.103	861.841	862.143
Be 313.042	-0.1050u	-0.1052u	-0.1119u
Ca 370.602	3728	3713	3721
Cd 226.502	-0.1418u	-0.0580u	-0.0537u
Co 228.615	-0.3178u	0.1073	-0.2442u
Cr 267.716	0.1796	0.3622	0.2449
Cu 324.754	1.2035	0.7805	1.2673
Fe 271.441	595.457	604.947	583.752
K 766.491	4958.87	4932.28	4925.20
Mg 279.078	1018.13	1012.17	1010.91
Mn 257.610	9.5643	9.5762	9.5723
Mo 202.032	0.6627	1.0923	0.6079
Na 330.237	890091x	879740x	881346x
Ni 231.604	2.6538	1.4273	0.7938
Pb 220.353	-0.1158u	0.2074	4.5791
Sb 206.834	-0.7807u	3.8585	-0.7343u
Se 196.026	0.5155	6.4928	11.3210
Sn 189.925	-0.1231	0.6079	1.6910
Sr 216.596	756.080	756.836	758.978
Ti 334.941	0.7197	0.6863	0.7010
Tl 190.794	-4.3958u	-0.5231u	-4.3797u
V 292.401	0.4393	0.5631	0.4476
Zn 206.200	3.8201	1.5407	2.4539

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	0.3770b	ppb	0.8965	237.8	-1.4552
Al 308.215	38.6499b	ppb	2.0469	5.3	607.710

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
As 188.980	-0.9747b	ppb	2.8769	295.2	-4.4831
B 249.678	134.245b	ppb	0.7901	0.6	1870.97
Ba 389.178	863.362b	ppb	2.3780	0.3	18043.9
Be 313.042	-0.1073b	ppb	0.0039	3.7	-3568.61
Ca 370.602	3720b	ppb	7.351	0.2	13788
Cd 226.502	-0.0845b	ppb	0.0497	58.8	9.8620
Co 228.615	-0.1516b	ppb	0.2272	149.9	-12.0004
Cr 267.716	0.2622b	ppb	0.0925	35.3	21.2572
Cu 324.754	1.0838b	ppb	0.2646	24.4	254.944
Fe 271.441	594.719b	ppb	10.6168	1.8	537.781
K 766.491	4938.79b	ppb	17.7522	0.4	631303
Mg 279.078	1013.74b	ppb	3.8572	0.4	2187.98
Mn 257.610	9.5710b	ppb	0.0061	0.1	1342.16
Mo 202.032	0.7877b	ppb	0.2653	33.7	9.4667
Na 330.237	883726xb	ppb	5570.65	0.6	52064.5
Ni 231.604	1.6250b	ppb	0.9456	58.2	7.9570
Pb 220.353	1.5569b	ppb	2.6223	168.4	1.2522
Sb 206.834	0.7812b	ppb	2.6652	341.2	6.7229
Se 196.026	6.1098b	ppb	5.4129	88.6	7.7236
Sn 189.925	0.7253b	ppb	0.9127	125.8	-4.0217
Sr 216.596	757.298b	ppb	1.5034	0.2	5470.99
Ti 334.941	0.7023b	ppb	0.0167	2.4	88.5629
Tl 190.794	-3.0996b	ppb	2.2313	72.0	-7.3434
V 292.401	0.4834b	ppb	0.0692	14.3	16.3877
Zn 206.200	2.6049b	ppb	1.1472	44.0	6.1671

280-59693-b-7-a^20 (Samp) **9/12/2014, 8:52:02 PM** **Rack 3, Tube 17**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Replicates Concentration		
Ag 328.068	0.1376	0.3726	0.6608
Al 308.215	-4.7540u	-4.4617u	-7.1702u
As 188.980	-1.4610u	1.6462	-0.6957u
B 249.678	9.4122	8.8054	8.2414
Ba 389.178	47.2176	44.6099	44.7615
Be 313.042	-0.0067u	-0.0099u	0.0121
Ca 370.602	205.9	189.8	183.7
Cd 226.502	0.0032	0.0582	0.1263
Co 228.615	-0.3855u	-0.0119u	0.4912
Cr 267.716	-0.0626u	-0.1591u	0.2088
Cu 324.754	0.6475	0.6703	0.4787
Fe 271.441	41.1663	35.4096	32.2951
K 766.491	168.223	160.120	156.144
Mg 279.078	53.6481	54.0288	50.4173
Mn 257.610	0.4280	0.4449	0.4005
Mo 202.032	0.1078	-0.1091u	-0.0254u
Na 330.237	39800.6	37774.0	36366.1
Ni 231.604	0.7210	0.9526	-0.1222u
Pb 220.353	0.5633	-0.3481u	0.0853
Sb 206.834	-2.8977u	1.2222	1.2922
Se 196.026	0.7875	10.4922	13.1470
Sn 189.925	-0.6288u	2.6215	0.5899
Sr 216.596	40.7144	38.7505	37.8199
Ti 334.941	0.0867	0.0884	0.0709

Label	Replicates Concentration		
Tl 190.794	-2.9763u	-0.3403u	-2.9872u
V 292.401	0.2222	-0.0468u	0.0218
Zn 206.200	0.2210	-0.6889u	0.6665

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	0.3903	ppb	0.2620	67.1	-0.7754
Al 308.215	-5.4620	ppb	1.4866	27.2	357.352
As 188.980	-0.1702	ppb	1.6189	951.4	-4.1056
B 249.678	8.8196	ppb	0.5855	6.6	151.573
Ba 389.178	45.5297	ppb	1.4638	3.2	920.654
Be 313.042	-0.0015	ppb	0.0119	783.3	-3216.65
Ca 370.602	193.1	ppb	11.49	5.9	714.3
Cd 226.502	0.0626	ppb	0.0617	98.5	15.8466
Co 228.615	0.0313	ppb	0.4399	1406.5	-10.6221
Cr 267.716	-0.0043	ppb	0.1908	4431.3	7.4765
Cu 324.754	0.5988	ppb	0.1047	17.5	234.964
Fe 271.441	36.2903	ppb	4.5007	12.4	52.0313
K 766.491	161.495	ppb	6.1559	3.8	22420.0
Mg 279.078	52.6981	ppb	1.9844	3.8	142.751
Mn 257.610	0.4245	ppb	0.0224	5.3	75.5835
Mo 202.032	-0.0089	ppb	0.1094	1230.1	5.1411
Na 330.237	37980.2	ppb	1726.52	4.5	2287.78
Ni 231.604	0.5172	ppb	0.5657	109.4	4.9067
Pb 220.353	0.1002	ppb	0.4559	455.1	-0.1454
Sb 206.834	-0.1278	ppb	2.3991	1877.9	5.9795
Se 196.026	8.1422	ppb	6.5063	79.9	8.3960
Sn 189.925	0.8609	ppb	1.6420	190.7	-4.1153
Sr 216.596	39.0949	ppb	1.4777	3.8	283.329
Ti 334.941	0.0820	ppb	0.0097	11.8	-60.2088
Tl 190.794	-2.1013	ppb	1.5251	72.6	-6.7691
V 292.401	0.0658	ppb	0.1398	212.6	9.6776
Zn 206.200	0.0662	ppb	0.6908	1044.0	1.0415

280-59692-b-5-a (Samp) **9/12/2014, 8:56:31 PM** **Rack 3, Tube 18**

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

Label	Replicates Concentration		
Ag 328.068	0.1897	-0.2975u	0.6174
Al 308.215	31.8078	29.2345	31.1394
As 188.980	-1.2049u	-5.4217u	-3.1391u
B 249.678	467.146	471.071	472.167
Ba 389.178	511.042	511.700	512.678
Be 313.042	-0.0837u	-0.0840u	-0.0799u
Ca 370.602	5303	5321	5315
Cd 226.502	0.0361u	-0.1290u	-0.1435u
Co 228.615	0.0133	-0.0751u	0.1889
Cr 267.716	0.1559	0.3215	0.1907
Cu 324.754	1.0395	1.0846	1.0312
Fe 271.441	185.824	187.845	196.813
K 766.491	5039.91	5046.37	5035.41
Mg 279.078	788.581	792.055	795.253
Mn 257.610	10.4547	10.5308	10.5537
Mo 202.032	1.0691	-0.2607u	0.4064
Na 330.237	821463x	817807x	822082x

Label	Replicates Concentration		
Ni 231.604	1.9775	2.1563	0.2884
Pb 220.353	0.1264	1.1545	3.5239
Sb 206.834	-4.1040u	-1.1568u	1.9951
Se 196.026	0.2155	-1.2862u	6.1991
Sn 189.925	0.7959	-0.4310u	1.7379
Sr 216.596	976.699	975.769	977.633
Ti 334.941	0.8321	0.7911	0.7351
Tl 190.794	-5.7675u	-6.3653u	-8.4425u
V 292.401	0.5201	0.3796	0.3864
Zn 206.200	3.7816	3.2161	2.8508

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	0.1699b	ppb	0.4578	269.5	-11.4330
Al 308.215	30.7272b	ppb	1.3352	4.3	562.732
As 188.980	-3.2552b	ppb	2.1108	64.8	-5.5402
B 249.678	470.128b	ppb	2.6401	0.6	6476.53
Ba 389.178	511.807b	ppb	0.8230	0.2	10683.4
Be 313.042	-0.0825b	ppb	0.0023	2.8	-3501.62
Ca 370.602	5313b	ppb	9.281	0.2	19699
Cd 226.502	-0.0788b	ppb	0.0998	126.6	9.2556
Co 228.615	0.0424b	ppb	0.1344	317.1	-10.5279
Cr 267.716	0.2227b	ppb	0.0873	39.2	19.7138
Cu 324.754	1.0518b	ppb	0.0288	2.7	251.868
Fe 271.441	190.160b	ppb	5.8492	3.1	185.864
K 766.491	5040.56b	ppb	5.5059	0.1	644275
Mg 279.078	791.963b	ppb	3.3372	0.4	1716.56
Mn 257.610	10.5131b	ppb	0.0518	0.5	1470.26
Mo 202.032	0.4050b	ppb	0.6649	164.2	7.3991
Na 330.237	820451xb	ppb	2310.16	0.3	48340.6
Ni 231.604	1.4741b	ppb	1.0307	69.9	7.5303
Pb 220.353	1.6016b	ppb	1.7423	108.8	1.3000
Sb 206.834	-1.0886b	ppb	3.0502	280.2	5.1809
Se 196.026	1.7095b	ppb	3.9600	231.6	6.2136
Sn 189.925	0.7009b	ppb	1.0876	155.2	-4.0474
Sr 216.596	976.700b	ppb	0.9318	0.1	7055.51
Ti 334.941	0.7861b	ppb	0.0487	6.2	122.807
Tl 190.794	-6.8584b	ppb	1.4040	20.5	-9.3344
V 292.401	0.4287b	ppb	0.0792	18.5	15.0714
Zn 206.200	3.2828b	ppb	0.4690	14.3	7.5245

280-59692-b-5-a^20 (Samp) **9/12/2014, 9:01:00 PM** **Rack 3, Tube 19**

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

Label	Replicates Concentration		
Ag 328.068	0.4516	-0.1363u	0.0239
Al 308.215	-4.4355u	-4.8824u	-7.6912u
As 188.980	-4.8399u	-1.0246u	-5.1505u
B 249.678	31.2158	30.4496	27.0580
Ba 389.178	30.1847	28.0243	25.3699
Be 313.042	0.0159	0.0027	0.0082
Ca 370.602	304.8	283.3	264.8
Cd 226.502	0.0869	0.0787	0.1971
Co 228.615	0.0869	-0.1830u	0.5233
Cr 267.716	0.2863	0.1056	-0.0730u

Label	Replicates Concentration		
Cu 324.754	0.2678	0.4279	0.3936
Fe 271.441	17.9452	6.2910	16.2533
K 766.491	184.319	175.956	165.713
Mg 279.078	48.3855	41.8019	37.6822
Mn 257.610	0.4881	0.4442	0.4214
Mo 202.032	0.0489	-0.0895u	-0.0284u
Na 330.237	38099.7	36873.1	33737.7
Ni 231.604	0.0696	1.8728	-0.5350u
Pb 220.353	2.3896	-1.0498u	2.3009
Sb 206.834	1.2813	1.4305	-0.4989u
Se 196.026	-1.6179u	-2.3840u	-2.2470u
Sn 189.925	0.1883	-0.4200u	-0.0508u
Sr 216.596	55.4682	51.8895	49.0919
Ti 334.941	0.1151	0.1061	0.1029
Tl 190.794	-0.3470u	1.6311	-1.7580u
V 292.401	0.0570	0.1442	-0.1759u
Zn 206.200	-0.6522u	-0.4873u	-0.8931u

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	0.1131	ppb	0.3039	268.7	-14.1829
Al 308.215	-5.6697	ppb	1.7649	31.1	356.173
As 188.980	-3.6716	ppb	2.2977	62.6	-5.7325
B 249.678	29.5745	ppb	2.2127	7.5	436.210
Ba 389.178	27.8596	ppb	2.4116	8.7	550.691
Be 313.042	0.0089	ppb	0.0066	74.3	-3191.90
Ca 370.602	284.3	ppb	20.03	7.0	1053
Cd 226.502	0.1209	ppb	0.0661	54.7	17.4724
Co 228.615	0.1424	ppb	0.3564	250.3	-9.7736
Cr 267.716	0.1063	ppb	0.1796	169.0	10.3077
Cu 324.754	0.3631	ppb	0.0843	23.2	223.524
Fe 271.441	13.4965	ppb	6.2973	46.7	32.1978
K 766.491	175.329	ppb	9.3190	5.3	24183.2
Mg 279.078	42.6232	ppb	5.3987	12.7	121.350
Mn 257.610	0.4512	ppb	0.0339	7.5	79.1663
Mo 202.032	-0.0230	ppb	0.0694	301.3	5.0657
Na 330.237	36236.8	ppb	2249.52	6.2	2185.19
Ni 231.604	0.4691	ppb	1.2527	267.0	4.7744
Pb 220.353	1.2136	ppb	1.9606	161.6	0.9292
Sb 206.834	0.7376	ppb	1.0735	145.5	6.6963
Se 196.026	-2.0830	ppb	0.4086	19.6	4.8801
Sn 189.925	-0.0942	ppb	0.3065	325.4	-4.6275
Sr 216.596	52.1498	ppb	3.1961	6.1	377.613
Ti 334.941	0.1080	ppb	0.0063	5.9	-50.9776
Tl 190.794	-0.1580	ppb	1.7025	1077.8	-5.7233
V 292.401	0.0084	ppb	0.1655	1961.1	7.8356
Zn 206.200	-0.6775	ppb	0.2041	30.1	-0.4577

280-59692-b-6-a (Samp) **9/12/2014, 9:05:29 PM** **Rack 3, Tube 20**

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

Label	Replicates Concentration		
Ag 328.068	0.1792	0.6320	0.4681
Al 308.215	35.3102	37.1985	36.3468
As 188.980	-1.9641u	0.0547	-0.9604u

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Label	Replicates Concentration		
B 249.678	104.689	104.213	104.027
Ba 389.178	429.654	427.852	427.982
Be 313.042	-0.0863u	-0.0619u	-0.0619u
Ca 370.602	2078	2080	2078
Cd 226.502	0.0110u	-0.1888u	0.0321
Co 228.615	0.4488	-0.3964u	0.2278
Cr 267.716	0.1186	-0.0156	-0.1402
Cu 324.754	1.2482	1.2043	0.7242
Fe 271.441	513.641	505.853	511.751
K 766.491	3178.39	3165.11	3173.53
Mg 279.078	457.717	458.607	458.790
Mn 257.610	13.1801	13.1028	13.1808
Mo 202.032	0.4594	0.4197	0.8881
Na 330.237	528364x	531597x	532637x
Ni 231.604	1.6459	0.8019	1.5305
Pb 220.353	4.4868	2.1173	4.0844
Sb 206.834	-0.1085u	0.0898	-1.5191u
Se 196.026	10.0359	5.3246	1.3464
Sn 189.925	-6.2287u	0.7259	5.1499
Sr 216.596	303.026	302.717	304.495
Ti 334.941	0.6785	0.8718	0.7653
Tl 190.794	0.3910	-7.1657u	-7.4389u
V 292.401	0.0603u	0.0917u	0.3421
Zn 206.200	3.5266	3.2223	1.4098

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	0.4264b	ppb	0.2292	53.8	0.9623
Al 308.215	36.2852b	ppb	0.9457	2.6	594.266
As 188.980	-0.9566b	ppb	1.0094	105.5	-4.4741
B 249.678	104.310b	ppb	0.3416	0.3	1460.56
Ba 389.178	428.496b	ppb	1.0048	0.2	8939.21
Be 313.042	-0.0700b	ppb	0.0141	20.1	-3437.64
Ca 370.602	2079b	ppb	1.187	0.1	7702
Cd 226.502	-0.0486b	ppb	0.1219	250.9	11.9946
Co 228.615	0.0934b	ppb	0.4383	469.4	-10.1274
Cr 267.716	-0.0124b	ppb	0.1295	1043.6	11.2897
Cu 324.754	1.0589b	ppb	0.2907	27.5	255.316
Fe 271.441	510.415b	ppb	4.0624	0.8	464.440
K 766.491	3172.34b	ppb	6.7216	0.2	406163
Mg 279.078	458.372b	ppb	0.5741	0.1	1005.62
Mn 257.610	13.1546b	ppb	0.0448	0.3	1834.39
Mo 202.032	0.5891b	ppb	0.2597	44.1	8.3841
Na 330.237	530866xb	ppb	2228.33	0.4	31296.7
Ni 231.604	1.3261b	ppb	0.4576	34.5	7.1363
Pb 220.353	3.5628b	ppb	1.2679	35.6	3.1883
Sb 206.834	-0.5126b	ppb	0.8773	171.2	5.6533
Se 196.026	5.5689b	ppb	4.3499	78.1	7.5286
Sn 189.925	-0.1176b	ppb	5.7360	4875.8	-4.5432
Sr 216.596	303.413b	ppb	0.9503	0.3	2192.82
Ti 334.941	0.7719b	ppb	0.0968	12.5	141.490
Tl 190.794	-4.7379b	ppb	4.4438	93.8	-8.2171
V 292.401	0.1647b	ppb	0.1545	93.8	8.9959
Zn 206.200	2.7196b	ppb	1.1444	42.1	6.3971

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280-59692-b-6-a^20 (Samp) **9/12/2014, 9:09:58 PM** **Rack 3, Tube 21**

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

Label	Replicates Concentration		
Ag 328.068	0.5716	-0.1040u	0.1474
Al 308.215	-4.1066u	-2.7447u	-4.9762u
As 188.980	4.1039	-3.5859u	-2.6813u
B 249.678	8.2102	8.4331	8.1229
Ba 389.178	27.3392	26.5382	25.0424
Be 313.042	0.0170	0.0071	0.0037
Ca 370.602	133.1	129.5	124.2
Cd 226.502	0.1909	0.1520	-0.0831u
Co 228.615	0.3128	-0.0265u	0.3080
Cr 267.716	-0.0756u	-0.0294u	-0.0740u
Cu 324.754	0.4968	0.4621	0.4475
Fe 271.441	26.1965	23.5563	29.4597
K 766.491	137.482	133.353	128.848
Mg 279.078	24.4311	28.7899	27.7629
Mn 257.610	0.7225	0.7037	0.7589
Mo 202.032	-0.1991u	0.3320	0.2382
Na 330.237	27912.8	27033.1	25888.5
Ni 231.604	-0.1582u	-0.5817u	0.7752
Pb 220.353	1.1146	1.4202	2.7250
Sb 206.834	-3.8055u	0.8666	-1.6099u
Se 196.026	-2.8966u	1.3069	15.2412
Sn 189.925	0.2509	0.5710	1.8233
Sr 216.596	18.3986	18.0207	16.8407
Ti 334.941	0.0714	0.0793	0.0484
Tl 190.794	0.7526	1.3369	-0.4833u
V 292.401	-0.1557u	-0.1574u	-0.1234u
Zn 206.200	0.5613	-0.1242u	0.2229

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	0.2050	ppb	0.3415	166.6	-9.7375
Al 308.215	-3.9425	ppb	1.1248	28.5	365.969
As 188.980	-0.7211	ppb	4.2030	582.8	-4.3616
B 249.678	8.2554	ppb	0.1599	1.9	143.836
Ba 389.178	26.3066	ppb	1.1658	4.4	518.174
Be 313.042	0.0093	ppb	0.0069	74.3	-3190.17
Ca 370.602	128.9	ppb	4.466	3.5	476.3
Cd 226.502	0.0866	ppb	0.1482	171.2	16.5587
Co 228.615	0.1981	ppb	0.1945	98.2	-9.3509
Cr 267.716	-0.0597	ppb	0.0262	44.0	5.9657
Cu 324.754	0.4688	ppb	0.0253	5.4	228.771
Fe 271.441	26.4042	ppb	2.9571	11.2	43.4460
K 766.491	133.228	ppb	4.3185	3.2	18817.2
Mg 279.078	26.9946	ppb	2.2787	8.4	88.0380
Mn 257.610	0.7283	ppb	0.0280	3.8	117.387
Mo 202.032	0.1237	ppb	0.2835	229.2	5.8694
Na 330.237	26944.8	ppb	1015.06	3.8	1638.28
Ni 231.604	0.0118	ppb	0.6942	5903.6	3.5236
Pb 220.353	1.7533	ppb	0.8553	48.8	1.4493
Sb 206.834	-1.5163	ppb	2.3375	154.2	4.8281
Se 196.026	4.5505	ppb	9.4940	208.6	7.1605
Sn 189.925	0.8817	ppb	0.8309	94.2	-4.1063
Sr 216.596	17.7533	ppb	0.8126	4.6	129.207

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ti 334.941	0.0664	ppb	0.0160	24.2	-64.8375
Tl 190.794	0.5354	ppb	0.9294	173.6	-5.3520
V 292.401	-0.1455	ppb	0.0192	13.2	2.9283
Zn 206.200	0.2200	ppb	0.3428	155.8	1.3512

280-59693-b-2-a (Samp) **9/12/2014, 9:14:27 PM** **Rack 3, Tube 22**

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

Label	Replicates Concentration		
Ag 328.068	-0.0528u	0.0795	0.6162
Al 308.215	11.3619	12.9618	10.5907
As 188.980	-1.3087u	0.9722	-12.0143u
B 249.678	500.547	501.183	501.474
Ba 389.178	976.642	970.713	970.330
Be 313.042	-0.0865u	-0.0790u	-0.0738u
Ca 370.602	6108	6080	6069
Cd 226.502	0.0131u	0.0055u	0.0883
Co 228.615	0.5206	-1.1298u	0.6131
Cr 267.716	2.0985	2.0729	1.6945
Cu 324.754	1.5072	1.5606	1.6842
Fe 271.441	624.892	627.604	623.176
K 766.491	5082.90	5055.72	5041.02
Mg 279.078	1257.33	1262.55	1256.83
Mn 257.610	14.9025	14.9259	14.8523
Mo 202.032	-0.0995u	0.5375	-0.4067u
Na 330.237	1049818x	1047639x	1042180x
Ni 231.604	0.9114	1.2562	1.3740
Pb 220.353	-1.8147u	1.2052	2.9907
Sb 206.834	-2.4486u	-1.1714u	4.0617
Se 196.026	15.6072	8.7490	12.7012
Sn 189.925	-4.1683u	0.4295	-7.8819u
Sr 216.596	1132.58	1129.33	1128.02
Ti 334.941	0.3956	0.4234	0.4375
Tl 190.794	-9.1897u	-3.6936u	-9.1537u
V 292.401	0.2373u	0.2239u	0.5621
Zn 206.200	2.3957	2.2249	2.1790

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	0.2143b	ppb	0.3543	165.3	-9.3153
Al 308.215	11.6381b	ppb	1.2095	10.4	454.385
As 188.980	-4.1169b	ppb	6.9337	168.4	-5.9436
B 249.678	501.068b	ppb	0.4738	0.1	6900.47
Ba 389.178	972.562b	ppb	3.5386	0.4	20330.4
Be 313.042	-0.0798b	ppb	0.0064	8.0	-3523.28
Ca 370.602	6086b	ppb	20.28	0.3	22560
Cd 226.502	0.0356b	ppb	0.0458	128.5	12.8016
Co 228.615	0.0013b	ppb	0.9806	77736.9	-10.8213
Cr 267.716	1.9553b	ppb	0.2262	11.6	66.1549
Cu 324.754	1.5840b	ppb	0.0908	5.7	276.760
Fe 271.441	625.224b	ppb	2.2325	0.4	564.328
K 766.491	5059.88b	ppb	21.2480	0.4	646737
Mg 279.078	1258.90b	ppb	3.1680	0.3	2709.96
Mn 257.610	14.8936b	ppb	0.0376	0.3	2077.73
Mo 202.032	0.0104b	ppb	0.4816	4612.7	5.1999

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Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Na 330.237	1046546xb	ppb	3934.53	0.4	61647.4
Ni 231.604	1.1806b	ppb	0.2404	20.4	6.7422
Pb 220.353	0.7937b	ppb	2.4290	306.0	0.5180
Sb 206.834	0.1473b	ppb	3.4497	2342.6	6.2215
Se 196.026	12.3525b	ppb	3.4423	27.9	9.8835
Sn 189.925	-3.8736b	ppb	4.1636	107.5	-6.4542
Sr 216.596	1129.98b	ppb	2.3469	0.2	8162.88
Ti 334.941	0.4189b	ppb	0.0213	5.1	-24.0526
Tl 190.794	-7.3457b	ppb	3.1628	43.1	-9.6250
V 292.401	0.3411b	ppb	0.1915	56.1	10.5873
Zn 206.200	2.2665b	ppb	0.1142	5.0	5.4819

280-59693-b-2-a^20 (Samp) **9/12/2014, 9:18:56 PM** **Rack 3, Tube 23**

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

Label	Replicates Concentration		
Ag 328.068	0.2615	-0.0968u	0.3330
Al 308.215	-6.3128u	-7.9538u	-6.2900u
As 188.980	-5.9223u	0.8097	3.4345
B 249.678	28.8875	28.6139	28.6275
Ba 389.178	48.8334	49.6588	48.1740
Be 313.042	0.0189	0.0294	0.0049
Ca 370.602	305.8	300.4	304.1
Cd 226.502	-0.0692u	0.4335	0.1503
Co 228.615	0.3092	0.7150	0.8187
Cr 267.716	-0.4344u	0.1317	-0.0834u
Cu 324.754	0.6431	0.5750	0.0561
Fe 271.441	33.6198	35.2488	31.5013
K 766.491	153.469	153.884	153.699
Mg 279.078	66.2558	63.8135	66.3553
Mn 257.610	0.6571	0.6428	0.6861
Mo 202.032	-0.2940u	0.1863	0.3870
Na 330.237	41608.4	42020.7	41232.7
Ni 231.604	0.7901	-0.4603u	0.0893
Pb 220.353	-0.3977u	0.6336	1.6353
Sb 206.834	-1.7039u	-1.4506u	-4.6874u
Se 196.026	2.9089	6.9560	4.2223
Sn 189.925	1.8473	5.2529	0.5985
Sr 216.596	56.0804	56.1091	56.3937
Ti 334.941	0.0988	0.0526	0.0545
Tl 190.794	-8.1573u	1.4653	1.3734
V 292.401	0.0566	0.0160	0.0357
Zn 206.200	-1.5771u	0.7227	-0.1336u

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	0.1659	ppb	0.2303	138.8	-11.6311
Al 308.215	-6.8522	ppb	0.9541	13.9	349.470
As 188.980	-0.5594	ppb	4.8263	862.8	-4.2865
B 249.678	28.7096	ppb	0.1542	0.5	424.260
Ba 389.178	48.8887	ppb	0.7439	1.5	991.002
Be 313.042	0.0177	ppb	0.0123	69.3	-3171.97
Ca 370.602	303.4	ppb	2.748	0.9	1123
Cd 226.502	0.1715	ppb	0.2520	146.9	18.9819
Co 228.615	0.6143	ppb	0.2693	43.8	-6.1690

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Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Cr 267.716	-0.1287	ppb	0.2858	222.0	4.3069
Cu 324.754	0.4247	ppb	0.3210	75.6	226.477
Fe 271.441	33.4566	ppb	1.8791	5.6	49.6010
K 766.491	153.684	ppb	0.2080	0.1	21424.4
Mg 279.078	65.4749	ppb	1.4397	2.2	169.956
Mn 257.610	0.6620	ppb	0.0220	3.3	108.429
Mo 202.032	0.0931	ppb	0.3499	375.9	5.7006
Na 330.237	41620.6	ppb	394.169	0.9	2502.04
Ni 231.604	0.1397	ppb	0.6267	448.5	3.8741
Pb 220.353	0.6237	ppb	1.0166	163.0	0.3596
Sb 206.834	-2.6140	ppb	1.8001	68.9	3.9204
Se 196.026	4.6957	ppb	2.0646	44.0	7.2114
Sn 189.925	2.5662	ppb	2.4090	93.9	-3.2006
Sr 216.596	56.1944	ppb	0.1732	0.3	406.853
Ti 334.941	0.0686	ppb	0.0261	38.1	-65.1952
Tl 190.794	-1.7729	ppb	5.5293	311.9	-6.5922
V 292.401	0.0361	ppb	0.0203	56.2	8.6788
Zn 206.200	-0.3293	ppb	1.1623	352.9	0.2447

280-59693-b-5-a (Samp) **9/12/2014, 9:23:25 PM** **Rack 3, Tube 24**

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

Label	Replicates Concentration		
Ag 328.068	-0.1711u	-0.5240u	0.1509
Al 308.215	34.3673	35.6922	32.6460
As 188.980	-0.2798u	5.4710	-1.2449u
B 249.678	100.483	101.283	100.353
Ba 389.178	681.153	683.258	681.420
Be 313.042	-0.0765u	-0.0766u	-0.0718u
Ca 370.602	2581	2587	2580
Cd 226.502	-0.1363u	-0.0046u	-0.0879u
Co 228.615	-0.1500u	0.2415	0.4207
Cr 267.716	4.1226	4.2042	4.0834
Cu 324.754	1.0479	1.1957	1.1070
Fe 271.441	502.577	492.252	493.029
K 766.491	4750.54	4751.19	4742.89
Mg 279.078	1120.57	1123.00	1125.07
Mn 257.610	7.4522	7.4219	7.4750
Mo 202.032	0.7765	1.5015	1.0283
Na 330.237	852785x	853074x	852515x
Ni 231.604	1.9603	0.8606	-0.1886u
Pb 220.353	5.4727	7.1772	0.4667
Sb 206.834	0.5854	-0.4331u	-3.2805u
Se 196.026	5.6498	4.9987	6.6154
Sn 189.925	-3.9552u	0.3617	-2.2850u
Sr 216.596	543.033	543.697	540.903
Ti 334.941	0.8004	0.7653	0.8062
Tl 190.794	-6.0326u	-11.1149u	-4.4241u
V 292.401	0.5066	0.1008u	0.4487
Zn 206.200	5.3530	5.4177	6.1265

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.1814b	ppb	0.3376	186.1	-28.4624
Al 308.215	34.2352b	ppb	1.5274	4.5	582.671

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Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
As 188.980	1.3154b	ppb	3.6310	276.0	-3.4182
B 249.678	100.706b	ppb	0.5038	0.5	1411.15
Ba 389.178	681.944b	ppb	1.1462	0.2	14246.3
Be 313.042	-0.0750b	ppb	0.0028	3.7	-3489.27
Ca 370.602	2582b	ppb	3.723	0.1	9569
Cd 226.502	-0.0763b	ppb	0.0666	87.3	9.9644
Co 228.615	0.1707b	ppb	0.2919	170.9	-9.5470
Cr 267.716	4.1367b	ppb	0.0616	1.5	120.667
Cu 324.754	1.1169b	ppb	0.0743	6.7	257.634
Fe 271.441	495.952b	ppb	5.7498	1.2	451.864
K 766.491	4748.21b	ppb	4.6159	0.1	607013
Mg 279.078	1122.88b	ppb	2.2533	0.2	2420.58
Mn 257.610	7.4497b	ppb	0.0267	0.4	1049.89
Mo 202.032	1.1021b	ppb	0.3681	33.4	11.2002
Na 330.237	852791xb	ppb	279.614	0.0	50243.9
Ni 231.604	0.8774b	ppb	1.0746	122.5	5.9083
Pb 220.353	4.3722b	ppb	3.4880	79.8	3.9710
Sb 206.834	-1.0427b	ppb	2.0038	192.2	5.2319
Se 196.026	5.7546b	ppb	0.8134	14.1	7.5941
Sn 189.925	-1.9595b	ppb	2.1768	111.1	-5.4668
Sr 216.596	542.544b	ppb	1.4600	0.3	3919.84
Ti 334.941	0.7906b	ppb	0.0222	2.8	122.385
Tl 190.794	-7.1905b	ppb	3.4924	48.6	-9.5344
V 292.401	0.3521b	ppb	0.2195	62.4	12.0440
Zn 206.200	5.6324b	ppb	0.4291	7.6	12.2555

Cont Calib Verif (CCV) **9/12/2014, 9:27:54 PM** **Rack 3, Tube 25**

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

Label	Replicates Concentration		
Ag 328.068	490.666	489.398	485.438
Al 308.215	4840.28	4848.57	4821.11
As 188.980	469.320	466.918	472.980
B 249.678	497.707	501.687	499.532
Ba 389.178	4830.72	4838.59	4807.32
Be 313.042	489.659	494.193	488.491
Ca 370.602	4831	4840	4811
Cd 226.502	486.947	487.740	484.814
Co 228.615	485.566	487.118	484.522
Cr 267.716	4854.98	4868.53	4839.25
Cu 324.754	4936.44	4921.99	4945.35
Fe 271.441	4914.10	4923.61	4890.76
K 766.491	9947.31	9992.53	9911.04
Mg 279.078	4828.20	4837.06	4811.76
Mn 257.610	4908.59	4938.87	4905.85
Mo 202.032	486.373	487.165	486.524
Na 330.237	7256.95	7506.88	7197.58
Ni 231.604	2437.62	2441.65	2426.82
Pb 220.353	496.837	494.154	499.082
Sb 206.834	944.322	944.302	939.028
Se 196.026	4881.28	4890.11	4892.48
Sn 189.925	4796.83	4794.02	4778.63
Sr 216.596	2406.14	2412.82	2396.83
Ti 334.941	480.935	481.077	478.716

Label	Replicates Concentration		
Tl 190.794	4879.74	4922.19	4895.15
V 292.401	4854.62	4872.18	4832.56
Zn 206.200	2409.33	2424.91	2409.30

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Ag 328.068	488.500	ppb	2.7268	0.6	23638.1	97.70009
Al 308.215	4836.65	ppb	14.0872	0.3	28108.0	96.73309
As 188.980	469.739	ppb	3.0524	0.6	214.323	93.94787
B 249.678	499.642	ppb	1.9924	0.4	6890.57	99.92840
Ba 389.178	4825.54	ppb	16.2668	0.3	101011	96.51086
Be 313.042	490.781	ppb	3.0120	0.6	1148674	98.15622
Ca 370.602	4827	ppb	14.91	0.3	17936	96.54151
Cd 226.502	486.500	ppb	1.5135	0.3	14089.8	97.30004
Co 228.615	485.735	ppb	1.3061	0.3	3698.49	97.14705
Cr 267.716	4854.26	ppb	14.6561	0.3	124835	97.08511
Cu 324.754	4934.59	ppb	11.7888	0.2	237744	98.69186
Fe 271.441	4909.49	ppb	16.9064	0.3	4339.16	98.18979
K 766.491	9950.30	ppb	40.8270	0.4	1270038	99.50297
Mg 279.078	4825.68	ppb	12.8365	0.3	10296.2	96.51350
Mn 257.610	4917.77	ppb	18.3248	0.4	678745	98.35540
Mo 202.032	486.687	ppb	0.4207	0.1	2673.10	97.33748
Na 330.237	7320.47	ppb	164.142	2.2	466.485	97.60625
Ni 231.604	2435.36	ppb	7.6723	0.3	6666.81	97.41460
Pb 220.353	496.691	ppb	2.4673	0.5	480.352	99.33814
Sb 206.834	942.550	ppb	3.0505	0.3	807.727	94.25505
Se 196.026	4887.96	ppb	5.9039	0.1	1687.11	97.75918
Sn 189.925	4789.83	ppb	9.7971	0.2	2562.54	95.79650
Sr 216.596	2405.26	ppb	8.0333	0.3	17291.5	96.21049
Ti 334.941	480.243	ppb	1.3243	0.3	168315	96.04852
Tl 190.794	4899.03	ppb	21.4903	0.4	2630.20	97.98051
V 292.401	4853.12	ppb	19.8504	0.4	155702	97.06239
Zn 206.200	2414.51	ppb	9.0087	0.4	4854.29	96.58047

Cont Calib Blank (CCB) **9/12/2014, 9:32:24 PM** **Rack 3, Tube 26**

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

Label	Replicates Concentration		
Ag 328.068	0.3237	-0.2293u	0.0321
Al 308.215	-7.5167u	-8.4564u	-7.2751u
As 188.980	-4.0147u	6.5918	7.0133
B 249.678	7.2078	5.7409	5.1690
Ba 389.178	0.9284	0.3692	0.9044
Be 313.042	0.0619	0.0616	0.0556
Ca 370.602	2.153	2.018	1.587
Cd 226.502	0.1918	0.2406	0.1482
Co 228.615	0.7247	1.2324	-0.0495u
Cr 267.716	0.0113	0.1122	0.2188
Cu 324.754	0.6946	0.8018	0.5989
Fe 271.441	2.1081	8.7545	5.8586
K 766.491	-0.2782u	-0.3856u	-0.3689u
Mg 279.078	-1.9861u	0.7671	-1.4882u
Mn 257.610	0.4279	0.3471	0.3371
Mo 202.032	1.0520	0.8147	0.4807
Na 330.237	-39.3095u	58.9006	41.4516

Label	Replicates Concentration		
Ni 231.604	0.1347	0.2887	0.5993
Pb 220.353	-1.2503u	1.6851	1.6152
Sb 206.834	1.1061	3.4938	2.2173
Se 196.026	0.4352	3.9703	-1.2903u
Sn 189.925	-0.7634u	-2.4261u	1.6248
Sr 216.596	0.4154	-0.6020u	-0.3684u
Ti 334.941	0.1704	0.1386	0.1391
Tl 190.794	9.4651	5.7640	6.1520
V 292.401	0.5890	0.2107	0.1904
Zn 206.200	1.0455	0.2909	0.5053

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Ag 328.068	0.0422	ppb	0.2766	655.8	-17.6118	0.04218
Al 308.215	-7.7494	ppb	0.6241	8.1	344.434	-7.74938
As 188.980	3.1968	ppb	6.2489	195.5	-2.5407	3.19681
B 249.678	6.0392	ppb	1.0517	17.4	113.504	6.03922
Ba 389.178	0.7340	ppb	0.3161	43.1	-17.2457	0.73400
Be 313.042	0.0597	ppb	0.0035	5.9	-3068.58	0.05970
Ca 370.602	1.920	ppb	0.2960	15.4	5.563	1.91956
Cd 226.502	0.1935	ppb	0.0462	23.9	19.6969	0.19354
Co 228.615	0.6359	ppb	0.6455	101.5	-6.0177	0.63591
Cr 267.716	0.1141	ppb	0.1037	90.9	10.2126	0.11413
Cu 324.754	0.6984	ppb	0.1015	14.5	239.953	0.69841
Fe 271.441	5.5737	ppb	3.3324	59.8	25.3270	5.57372
K 766.491	-0.3442	ppb	0.0578	16.8	1792.94	-0.34421
Mg 279.078	-0.9024	ppb	1.4671	162.6	28.6781	-0.90240
Mn 257.610	0.3707	ppb	0.0498	13.4	67.9036	0.37072
Mo 202.032	0.7825	ppb	0.2870	36.7	9.4855	0.78246
Na 330.237	20.3476	ppb	52.3960	257.5	53.6320	20.34756
Ni 231.604	0.3409	ppb	0.2367	69.4	4.4235	0.34094
Pb 220.353	0.6834	ppb	1.6749	245.1	0.4170	0.68335
Sb 206.834	2.2724	ppb	1.1948	52.6	7.9536	2.27242
Se 196.026	1.0384	ppb	2.6816	258.2	5.9519	1.03841
Sn 189.925	-0.5216	ppb	2.0363	390.4	-4.8636	-0.52156
Sr 216.596	-0.1850	ppb	0.5329	288.1	-0.3933	-0.18499
Ti 334.941	0.1494	ppb	0.0182	12.2	-33.5461	0.14939
Tl 190.794	7.1270	ppb	2.0341	28.5	-1.8094	7.12703
V 292.401	0.3300	ppb	0.2245	68.0	18.2696	0.33003
Zn 206.200	0.6139	ppb	0.3889	63.3	2.1441	0.61389

280-59693-b-5-a^20 (Samp) **9/12/2014, 9:36:53 PM** **Rack 3, Tube 27**

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

Label	Replicates Concentration		
Ag 328.068	0.1397	0.0904	0.1230
Al 308.215	-5.2874u	-5.2660u	-5.2535u
As 188.980	-4.2425u	2.8254	-0.6877u
B 249.678	7.3081	7.8247	7.3836
Ba 389.178	37.8667	38.0173	37.1231
Be 313.042	0.0263	0.0071	0.0069
Ca 370.602	139.6	140.9	142.3
Cd 226.502	0.1549	0.2307	0.0459
Co 228.615	-0.2130u	0.1959	0.2742
Cr 267.716	0.0172	0.3281	0.1409

Label	Replicates Concentration		
Cu 324.754	0.6116	0.5175	0.4891
Fe 271.441	30.9215	29.0630	26.3061
K 766.491	160.239	161.509	160.619
Mg 279.078	59.7449	64.3732	65.2475
Mn 257.610	0.3809	0.3549	0.3582
Mo 202.032	0.2298	-0.3288u	-1.0260u
Na 330.237	37429.5	37367.4	37935.9
Ni 231.604	1.5982	2.0167	0.6867
Pb 220.353	2.4510	0.3960	3.5015
Sb 206.834	-5.4662u	-0.1087u	-0.2306u
Se 196.026	14.9861	7.3891	0.2510
Sn 189.925	3.2285	2.5160	-0.0255u
Sr 216.596	29.2778	29.9389	29.2591
Ti 334.941	0.1394	0.0864	0.0969
Tl 190.794	-2.6978u	-3.1115u	-6.3948u
V 292.401	0.2481	-0.0391u	0.2523
Zn 206.200	1.3321	0.8927	-0.1131u

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	0.1177	ppb	0.0251	21.3	-13.9616
Al 308.215	-5.2689	ppb	0.0171	0.3	358.427
As 188.980	-0.7016	ppb	3.5340	503.7	-4.3526
B 249.678	7.5055	ppb	0.2791	3.7	133.572
Ba 389.178	37.6690	ppb	0.4787	1.3	756.122
Be 313.042	0.0134	ppb	0.0112	83.0	-3181.44
Ca 370.602	140.9	ppb	1.346	1.0	520.6
Cd 226.502	0.1438	ppb	0.0929	64.6	18.1867
Co 228.615	0.0857	ppb	0.2616	305.3	-10.1979
Cr 267.716	0.1621	ppb	0.1565	96.6	11.7500
Cu 324.754	0.5394	ppb	0.0641	11.9	232.142
Fe 271.441	28.7635	ppb	2.3222	8.1	45.4983
K 766.491	160.789	ppb	0.6520	0.4	22329.9
Mg 279.078	63.1219	ppb	2.9570	4.7	164.955
Mn 257.610	0.3647	ppb	0.0142	3.9	67.3828
Mo 202.032	-0.3750	ppb	0.6292	167.8	3.1327
Na 330.237	37577.6	ppb	311.820	0.8	2264.08
Ni 231.604	1.4339	ppb	0.6800	47.4	7.4146
Pb 220.353	2.1162	ppb	1.5796	74.6	1.8000
Sb 206.834	-1.9352	ppb	3.0586	158.1	4.4918
Se 196.026	7.5420	ppb	7.3687	97.7	8.1892
Sn 189.925	1.9063	ppb	1.7105	89.7	-3.5551
Sr 216.596	29.4919	ppb	0.3872	1.3	213.948
Ti 334.941	0.1075	ppb	0.0281	26.1	-51.1799
Tl 190.794	-4.0680	ppb	2.0256	49.8	-7.8249
V 292.401	0.1538	ppb	0.1671	108.7	12.6038
Zn 206.200	0.7039	ppb	0.7409	105.3	2.3258

280-59693-b-1-a (Samp) **9/12/2014, 9:41:22 PM** **Rack 3, Tube 28**

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

Label	Replicates Concentration		
Ag 328.068	0.0098	0.0668	-0.6555u
Al 308.215	9.2890	10.5185	9.1946
As 188.980	-1.8278u	-4.9267u	-5.7278u

Label	Replicates Concentration		
B 249.678	511.768	515.511	516.764
Ba 389.178	1112.65	1115.74	1114.84
Be 313.042	-0.0791u	-0.0811u	-0.0636u
Ca 370.602	7316	7311	7319
Cd 226.502	-0.0513u	0.0403u	-0.1283u
Co 228.615	-0.4318u	0.4400	-0.3375u
Cr 267.716	-0.2311	0.1584	-0.0622
Cu 324.754	1.1723	1.0305	1.2572
Fe 271.441	374.765	366.136	368.040
K 766.491	5258.10	5266.47	5252.42
Mg 279.078	1529.49	1532.09	1527.17
Mn 257.610	11.3006	11.3426	11.3475
Mo 202.032	0.6835	-0.0148u	-0.4442u
Na 330.237	1147431x	1152808x	1152707x
Ni 231.604	0.6185	0.0463	0.8218
Pb 220.353	5.9282	8.8396	6.0188
Sb 206.834	-1.1538u	3.0061	-4.1194u
Se 196.026	4.8630	-1.6291u	0.2959
Sn 189.925	-1.0421u	-3.8860u	-8.1240u
Sr 216.596	1320.66	1324.10	1328.16
Ti 334.941	0.4297	0.5245	0.4631
Tl 190.794	-6.8177u	-4.1928u	-15.0191u
V 292.401	0.1541u	0.2086u	0.1208u
Zn 206.200	2.5188	1.9332	3.2926

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.1930b	ppb	0.4016	208.1	-29.0070
Al 308.215	9.6674b	ppb	0.7386	7.6	443.196
As 188.980	-4.1608b	ppb	2.0597	49.5	-5.9622
B 249.678	514.681b	ppb	2.5995	0.5	7087.27
Ba 389.178	1114.41b	ppb	1.5927	0.1	23300.0
Be 313.042	-0.0746b	ppb	0.0096	12.9	-3523.66
Ca 370.602	7315b	ppb	3.764	0.1	27122
Cd 226.502	-0.0464b	ppb	0.0844	181.9	9.4068
Co 228.615	-0.1097b	ppb	0.4784	436.0	-11.6813
Cr 267.716	-0.0450b	ppb	0.1953	434.4	15.5535
Cu 324.754	1.1534b	ppb	0.1145	9.9	254.850
Fe 271.441	369.647b	ppb	4.5335	1.2	342.008
K 766.491	5259.00b	ppb	7.0702	0.1	672115
Mg 279.078	1529.58b	ppb	2.4615	0.2	3286.83
Mn 257.610	11.3302b	ppb	0.0258	0.2	1586.66
Mo 202.032	0.0748b	ppb	0.5692	760.5	5.5738
Na 330.237	1150982xb	ppb	3075.38	0.3	67794.2
Ni 231.604	0.4955b	ppb	0.4021	81.1	4.8591
Pb 220.353	6.9289b	ppb	1.6554	23.9	6.4388
Sb 206.834	-0.7557b	ppb	3.5794	473.7	5.4615
Se 196.026	1.1766b	ppb	3.3345	283.4	6.0430
Sn 189.925	-4.3507b	ppb	3.5637	81.9	-6.6895
Sr 216.596	1324.31b	ppb	3.7566	0.3	9566.36
Ti 334.941	0.4724b	ppb	0.0481	10.2	-13.4463
Tl 190.794	-8.6765b	ppb	5.6474	65.1	-10.3230
V 292.401	0.1612b	ppb	0.0443	27.5	3.9861
Zn 206.200	2.5815b	ppb	0.6819	26.4	6.1157

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280-59693-b-1-a^20 (Samp) **9/12/2014, 9:45:51 PM** **Rack 3, Tube 29**

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

Label	Replicates Concentration		
Ag 328.068	0.4071	0.1613	-0.1354u
Al 308.215	-6.7963u	-7.5355u	-7.5834u
As 188.980	-1.9914u	-2.0765u	4.9246
B 249.678	34.3005	34.0395	33.5733
Ba 389.178	64.6025	65.8753	65.8008
Be 313.042	0.0305	0.0142	0.0202
Ca 370.602	422.9	427.3	424.8
Cd 226.502	-0.1895u	0.1420	0.1744
Co 228.615	0.4686	0.2154	0.2974
Cr 267.716	-0.4393u	0.1386	-0.2943u
Cu 324.754	0.4977	0.5416	0.4642
Fe 271.441	21.0403	32.8450	28.6601
K 766.491	184.954	185.183	182.384
Mg 279.078	93.5006	88.3607	90.5858
Mn 257.610	0.6022	0.6242	0.6216
Mo 202.032	-0.2107u	0.2457	-0.0346u
Na 330.237	53025.6	52838.5	52449.9
Ni 231.604	0.5779	0.9411	0.8677
Pb 220.353	2.6736	0.9135	-0.6377u
Sb 206.834	-1.3905u	3.1114	1.0692
Se 196.026	10.9679	15.3599	9.3355
Sn 189.925	-0.3807u	-4.6678u	-3.6701u
Sr 216.596	77.8138	77.1174	76.3190
Ti 334.941	0.0832	0.0362	0.1059
Tl 190.794	-1.2771u	-2.7721u	-4.8872u
V 292.401	-0.1776u	-0.2157u	-0.1343u
Zn 206.200	0.4700	0.3329	0.7723

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	0.1443	ppb	0.2717	188.2	-12.6738
Al 308.215	-7.3050	ppb	0.4412	6.0	346.888
As 188.980	0.2856	ppb	4.0177	1406.9	-3.8938
B 249.678	33.9711	ppb	0.3684	1.1	496.478
Ba 389.178	65.4262	ppb	0.7143	1.1	1337.22
Be 313.042	0.0216	ppb	0.0083	38.2	-3164.13
Ca 370.602	425.0	ppb	2.226	0.5	1574
Cd 226.502	0.0423	ppb	0.2014	476.0	15.1712
Co 228.615	0.3271	ppb	0.1292	39.5	-8.3627
Cr 267.716	-0.1983	ppb	0.3007	151.6	2.6057
Cu 324.754	0.5012	ppb	0.0388	7.7	230.042
Fe 271.441	27.5151	ppb	5.9851	21.8	44.4249
K 766.491	184.174	ppb	1.5540	0.8	25310.4
Mg 279.078	90.8157	ppb	2.5777	2.8	223.943
Mn 257.610	0.6160	ppb	0.0120	2.0	102.168
Mo 202.032	0.0001	ppb	0.2302	172715.3	5.1918
Na 330.237	52771.3	ppb	293.661	0.6	3158.33
Ni 231.604	0.7955	ppb	0.1921	24.1	5.6679
Pb 220.353	0.9831	ppb	1.6568	168.5	0.7065
Sb 206.834	0.9300	ppb	2.2542	242.4	6.8538
Se 196.026	11.8878	ppb	3.1158	26.2	9.6849
Sn 189.925	-2.9062	ppb	2.2433	77.2	-6.1314
Sr 216.596	77.0834	ppb	0.7480	1.0	557.698

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Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ti 334.941	0.0751	ppb	0.0356	47.4	-63.7776
Tl 190.794	-2.9788	ppb	1.8139	60.9	-7.2392
V 292.401	-0.1759	ppb	0.0407	23.2	1.7872
Zn 206.200	0.5251	ppb	0.2248	42.8	1.9661

280-59693-b-4-a (Samp) **9/12/2014, 9:50:21 PM** **Rack 3, Tube 30**

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

Label	Replicates Concentration		
Ag 328.068	0.3397	0.0230	0.4925
Al 308.215	9.7663	7.9769	11.1795
As 188.980	4.2792	-6.2989u	-5.4613u
B 249.678	230.358	231.222	230.109
Ba 389.178	514.080	514.266	514.546
Be 313.042	-0.0909u	-0.0759u	-0.0776u
Ca 370.602	3175	3172	3172
Cd 226.502	-0.1264u	-0.0602u	-0.1715u
Co 228.615	-0.4333u	-0.5446u	-0.3207u
Cr 267.716	1.3267	1.9276	1.4771
Cu 324.754	1.2448	1.2192	1.1366
Fe 271.441	354.861	361.223	360.099
K 766.491	3732.36	3719.39	3721.14
Mg 279.078	717.625	710.529	710.877
Mn 257.610	6.8737	6.8365	6.8643
Mo 202.032	0.9537	0.3744	-0.2997u
Na 330.237	802053x	799916x	796032x
Ni 231.604	0.3311	0.6591	1.3596
Pb 220.353	1.3550	3.3530	2.5688
Sb 206.834	0.7613	-2.9950u	-2.9761u
Se 196.026	-4.4019u	2.5490	11.8556
Sn 189.925	-2.7656u	-2.2394u	2.5869
Sr 216.596	786.250	781.862	781.114
Ti 334.941	0.3328	0.3465	0.3505
Tl 190.794	-4.7284u	-3.3820u	-2.7503u
V 292.401	0.2630	0.1601u	0.2226
Zn 206.200	2.1468	2.3846	2.9324

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	0.2851b	ppb	0.2395	84.0	-5.8840
Al 308.215	9.6409b	ppb	1.6050	16.6	443.066
As 188.980	-2.4937b	ppb	5.8804	235.8	-5.1874
B 249.678	230.563b	ppb	0.5841	0.3	3191.73
Ba 389.178	514.298b	ppb	0.2345	0.0	10735.7
Be 313.042	-0.0815b	ppb	0.0082	10.0	-3497.40
Ca 370.602	3173b	ppb	1.957	0.1	11761
Cd 226.502	-0.1194b	ppb	0.0560	46.9	8.5738
Co 228.615	-0.4329b	ppb	0.1120	25.9	-14.1573
Cr 267.716	1.5771b	ppb	0.3127	19.8	54.3882
Cu 324.754	1.2002b	ppb	0.0566	4.7	261.074
Fe 271.441	358.728b	ppb	3.3953	0.9	332.453
K 766.491	3724.30b	ppb	7.0374	0.2	476512
Mg 279.078	713.010b	ppb	4.0003	0.6	1548.12
Mn 257.610	6.8582b	ppb	0.0193	0.3	965.806
Mo 202.032	0.3428b	ppb	0.6273	183.0	7.0449

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Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Na 330.237	799334xb	ppb	3052.41	0.4	47097.7
Ni 231.604	0.7833b	ppb	0.5254	67.1	5.6460
Pb 220.353	2.4256b	ppb	1.0067	41.5	2.0951
Sb 206.834	-1.7366b	ppb	2.1633	124.6	4.6542
Se 196.026	3.3342b	ppb	8.1571	244.7	6.7630
Sn 189.925	-0.8060b	ppb	2.9501	366.0	-4.8592
Sr 216.596	783.075b	ppb	2.7745	0.4	5656.90
Ti 334.941	0.3432b	ppb	0.0092	2.7	-30.8861
Tl 190.794	-3.6202b	ppb	1.0103	27.9	-7.6074
V 292.401	0.2152b	ppb	0.0518	24.1	8.3653
Zn 206.200	2.4879b	ppb	0.4029	16.2	5.9234

280-59693-b-4-a^20 (Samp) **9/12/2014, 9:54:50 PM** **Rack 3, Tube 31**

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

Label	Replicates Concentration		
Ag 328.068	0.3156	0.1654	0.1530
Al 308.215	-7.0115u	-6.9956u	-7.8620u
As 188.980	0.6533	-2.7686u	-2.0104u
B 249.678	17.2313	16.6210	15.7511
Ba 389.178	33.0340	30.8225	30.8940
Be 313.042	0.0117	0.0207	0.0213
Ca 370.602	196.0	192.2	182.6
Cd 226.502	0.1594	-0.1918u	-0.1782u
Co 228.615	-0.1711u	0.5786	0.6565
Cr 267.716	-0.1200u	-0.3478u	0.1632
Cu 324.754	0.4807	0.6316	0.0758
Fe 271.441	16.3928	29.7698	18.7446
K 766.491	145.619	142.902	138.212
Mg 279.078	44.5294	43.4257	39.6254
Mn 257.610	0.3363	0.3237	0.3029
Mo 202.032	0.4099	-0.6943u	0.4625
Na 330.237	40483.5	39615.3	38656.3
Ni 231.604	0.7846	2.1369	-0.7181u
Pb 220.353	-3.2595u	2.2480	3.7740
Sb 206.834	-2.7967u	2.8584	2.9612
Se 196.026	1.4352	2.0976	2.4727
Sn 189.925	-0.4229u	-1.7488u	0.5496
Sr 216.596	48.2703	46.8317	45.3975
Ti 334.941	0.0477	0.0027u	0.0449
Tl 190.794	-6.4420u	1.9356	-3.1563u
V 292.401	0.0768	-0.0971u	0.1102
Zn 206.200	0.8102	-0.1455u	0.7808

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	0.2113	ppb	0.0905	42.8	-9.4323
Al 308.215	-7.2897	ppb	0.4957	6.8	346.984
As 188.980	-1.3753	ppb	1.7972	130.7	-4.6655
B 249.678	16.5345	ppb	0.7439	4.5	257.383
Ba 389.178	31.5835	ppb	1.2566	4.0	628.661
Be 313.042	0.0179	ppb	0.0054	30.0	-3171.38
Ca 370.602	190.3	ppb	6.889	3.6	703.9
Cd 226.502	-0.0702	ppb	0.1989	283.4	11.9596
Co 228.615	0.3547	ppb	0.4570	128.8	-8.1540

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Cr 267.716	-0.1015	ppb	0.2560	252.2	4.9889
Cu 324.754	0.3960	ppb	0.2874	72.6	225.204
Fe 271.441	21.6357	ppb	7.1418	33.0	39.3099
K 766.491	142.244	ppb	3.7470	2.6	19966.4
Mg 279.078	42.5268	ppb	2.5726	6.0	121.127
Mn 257.610	0.3210	ppb	0.0168	5.2	61.2015
Mo 202.032	0.0594	ppb	0.6532	1100.6	5.5169
Na 330.237	39585.1	ppb	913.997	2.3	2382.24
Ni 231.604	0.7345	ppb	1.4281	194.4	5.5007
Pb 220.353	0.9208	ppb	3.6998	401.8	0.6465
Sb 206.834	1.0076	ppb	3.2950	327.0	6.9180
Se 196.026	2.0018	ppb	0.5253	26.2	6.2843
Sn 189.925	-0.5407	ppb	1.1537	213.4	-4.8662
Sr 216.596	46.8332	ppb	1.4364	3.1	339.193
Ti 334.941	0.0317	ppb	0.0252	79.4	-77.9834
Tl 190.794	-2.5542	ppb	4.2211	165.3	-7.0109
V 292.401	0.0300	ppb	0.1113	371.4	8.4905
Zn 206.200	0.4818	ppb	0.5435	112.8	1.8786

280-59692-b-2-a (Samp) **9/12/2014, 9:59:19 PM** **Rack 3, Tube 32**

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

Label	Replicates Concentration		
Ag 328.068	0.1673	-0.1342u	0.4762
Al 308.215	2706.67	2699.30	2700.32
As 188.980	2.3814	4.2080	6.6864
B 249.678	175.057	176.479	177.170
Ba 389.178	258.227	257.860	256.411
Be 313.042	-0.0042u	-0.0004u	-0.0068u
Ca 370.602	3543	3548	3524
Cd 226.502	0.1537	0.0388	-0.2209u
Co 228.615	-0.1456u	0.1561	0.8476
Cr 267.716	1.9251	1.6827	1.9210
Cu 324.754	3.0591	3.1686	3.2087
Fe 271.441	1264.65	1265.39	1251.44
K 766.491	3207.50	3211.09	3208.25
Mg 279.078	838.872	846.845	837.819
Mn 257.610	32.6278	32.8393	32.6135
Mo 202.032	0.3659	-0.3242u	0.9114
Na 330.237	697076x	700455x	694419x
Ni 231.604	1.5433	1.0282	1.5585
Pb 220.353	8.6519	4.9725	1.2080
Sb 206.834	2.0336	0.4481	3.9659
Se 196.026	10.1494	6.9925	18.1995
Sn 189.925	-8.2066u	5.1206	-4.8950u
Sr 216.596	518.631	518.835	513.999
Ti 334.941	25.2629	25.0064	24.9572
Tl 190.794	-2.1294u	-4.8179u	-6.7325u
V 292.401	4.4178	4.7259	4.7150
Zn 206.200	5.8631	5.5740	6.4031

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	0.1698b	ppb	0.3052	179.8	-11.4671
Al 308.215	2702.10b	ppb	3.9898	0.1	15720.7

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Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
As 188.980	4.4253b	ppb	2.1607	48.8	-1.9784
B 249.678	176.235b	ppb	1.0772	0.6	2446.27
Ba 389.178	257.500b	ppb	0.9605	0.4	5361.98
Be 313.042	-0.0038b	ppb	0.0032	84.1	-3300.61
Ca 370.602	3539b	ppb	12.55	0.4	13109
Cd 226.502	-0.0095b	ppb	0.1919	2029.9	14.3767
Co 228.615	0.2860b	ppb	0.5092	178.0	-8.2655
Cr 267.716	1.8429b	ppb	0.1388	7.5	60.3543
Cu 324.754	3.1455b	ppb	0.0774	2.5	353.866
Fe 271.441	1260.50b	ppb	7.8512	0.6	1116.98
K 766.491	3208.95b	ppb	1.8913	0.1	410829
Mg 279.078	841.179b	ppb	4.9355	0.6	1819.25
Mn 257.610	32.6935b	ppb	0.1265	0.4	4534.21
Mo 202.032	0.3177b	ppb	0.6192	194.9	6.8336
Na 330.237	697317xb	ppb	3025.18	0.4	41092.6
Ni 231.604	1.3767b	ppb	0.3019	21.9	7.3015
Pb 220.353	4.9441b	ppb	3.7220	75.3	4.4007
Sb 206.834	2.1492b	ppb	1.7617	82.0	7.8717
Se 196.026	11.7805b	ppb	5.7788	49.1	9.6844
Sn 189.925	-2.6603b	ppb	6.9389	260.8	-5.8733
Sr 216.596	517.155b	ppb	2.7350	0.5	3737.19
Ti 334.941	25.0755b	ppb	0.1642	0.7	8650.38
Tl 190.794	-4.5599b	ppb	2.3124	50.7	-8.1895
V 292.401	4.6196b	ppb	0.1749	3.8	151.507
Zn 206.200	5.9467b	ppb	0.4208	7.1	12.9108

280-59692-b-2-a^20 (Samp) **9/12/2014, 10:03:49 PM** **Rack 3, Tube 33**

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

Label	Replicates Concentration		
Ag 328.068	0.6372	-0.3343u	0.0109
Al 308.215	157.118	152.288	150.356
As 188.980	-8.8858u	-2.8549u	2.2826
B 249.678	13.4549	12.7644	12.6699
Ba 389.178	16.9054	16.1214	15.4343
Be 313.042	0.0260	0.0247	0.0307
Ca 370.602	227.5	220.8	213.7
Cd 226.502	0.1623	0.3464	0.1937
Co 228.615	0.5536	0.6502	1.2619
Cr 267.716	-0.1375u	0.0668	-0.0559u
Cu 324.754	0.3958	0.3085	0.4738
Fe 271.441	86.6577	71.4464	71.1571
K 766.491	133.436	130.672	126.452
Mg 279.078	48.8098	54.0225	46.7659
Mn 257.610	2.0325	1.8708	1.8586
Mo 202.032	-0.3860u	0.6737	-0.0188u
Na 330.237	36175.0	35332.8	34422.9
Ni 231.604	0.3195	0.4253	1.0555
Pb 220.353	2.3551	2.2485	2.5129
Sb 206.834	0.3422	0.2563	-3.9909u
Se 196.026	10.9288	13.0199	-2.1053u
Sn 189.925	-0.1538u	-0.0142u	1.6026
Sr 216.596	32.3470	32.1147	31.1805
Ti 334.941	2.2351	1.9334	1.9530

Label	Replicates Concentration		
Tl 190.794	5.2722	2.2361	-3.6806u
V 292.401	0.1164	0.1172	0.4308
Zn 206.200	0.9706	1.1819	0.5657

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	0.1046	ppb	0.4925	470.9	-14.5967
Al 308.215	153.254	ppb	3.4829	2.3	1257.95
As 188.980	-3.1527	ppb	5.5902	177.3	-5.4918
B 249.678	12.9631	ppb	0.4286	3.3	208.382
Ba 389.178	16.1537	ppb	0.7361	4.6	305.790
Be 313.042	0.0271	ppb	0.0031	11.6	-3149.07
Ca 370.602	220.7	ppb	6.887	3.1	816.3
Cd 226.502	0.2341	ppb	0.0985	42.1	20.9233
Co 228.615	0.8219	ppb	0.3841	46.7	-4.5539
Cr 267.716	-0.0422	ppb	0.1028	243.7	6.4782
Cu 324.754	0.3927	ppb	0.0827	21.1	224.974
Fe 271.441	76.4204	ppb	8.8670	11.6	86.9888
K 766.491	130.187	ppb	3.5170	2.7	18429.6
Mg 279.078	49.8661	ppb	3.7419	7.5	136.635
Mn 257.610	1.9206	ppb	0.0971	5.1	282.144
Mo 202.032	0.0896	ppb	0.5381	600.3	5.6782
Na 330.237	35310.2	ppb	876.289	2.5	2130.58
Ni 231.604	0.6001	ppb	0.3980	66.3	5.1352
Pb 220.353	2.3722	ppb	0.1330	5.6	2.0389
Sb 206.834	-1.1308	ppb	2.4773	219.1	5.1469
Se 196.026	7.2811	ppb	8.1959	112.6	8.1007
Sn 189.925	0.4782	ppb	0.9762	204.1	-4.3209
Sr 216.596	31.8807	ppb	0.6174	1.9	231.259
Ti 334.941	2.0405	ppb	0.1688	8.3	626.747
Tl 190.794	1.2759	ppb	4.5530	356.8	-4.9581
V 292.401	0.2215	ppb	0.1813	81.9	14.7074
Zn 206.200	0.9061	ppb	0.3131	34.6	2.7346

280-59692-b-1-a (Samp) **9/12/2014, 10:08:18 PM** **Rack 3, Tube 34**

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

Label	Replicates Concentration		
Ag 328.068	-0.2807u	-0.0184u	-0.7131u
Al 308.215	12.7803	10.8161	12.7167
As 188.980	-8.2971u	-3.3634u	-1.6583u
B 249.678	149.943	151.348	151.578
Ba 389.178	677.648	680.811	680.550
Be 313.042	-0.0631u	-0.0803u	-0.0749u
Ca 370.602	3229	3219	3230
Cd 226.502	0.0819	-0.0857u	0.1304
Co 228.615	-0.1219u	-0.8556u	0.0460
Cr 267.716	-0.1149	-0.1275	-0.0875
Cu 324.754	1.4480	1.0789	0.8124
Fe 271.441	1037.78	1039.47	1039.07
K 766.491	4009.26	4011.31	4020.71
Mg 279.078	1045.37	1040.05	1039.93
Mn 257.610	9.6812	9.6798	9.7273
Mo 202.032	0.4346	1.4470	-0.1983u
Na 330.237	904291x	900546x	898991x

Label	Replicates Concentration		
Ni 231.604	1.3601	2.3856	0.9357
Pb 220.353	-0.3955u	3.1426	3.0111
Sb 206.834	-1.7854u	-0.1620u	1.6091
Se 196.026	11.8526	4.2789	7.3111
Sn 189.925	-5.3097u	-2.6289u	3.6491
Sr 216.596	621.578	623.649	620.371
Ti 334.941	0.3392	0.3600	0.3297
Tl 190.794	-9.2187u	-5.4809u	-2.6650u
V 292.401	0.1323u	0.5853	0.3600
Zn 206.200	2.4186	4.1590	1.8993

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.3374b	ppb	0.3508	104.0	-36.0539
Al 308.215	12.1043b	ppb	1.1161	9.2	457.065
As 188.980	-4.4396b	ppb	3.4478	77.7	-6.0962
B 249.678	150.956b	ppb	0.8853	0.6	2099.80
Ba 389.178	679.670b	ppb	1.7557	0.3	14199.4
Be 313.042	-0.0728b	ppb	0.0088	12.1	-3489.41
Ca 370.602	3226b	ppb	5.926	0.2	11947
Cd 226.502	0.0422b	ppb	0.1134	268.8	14.5641
Co 228.615	-0.3105b	ppb	0.4795	154.4	-13.1975
Cr 267.716	-0.1100b	ppb	0.0204	18.6	11.8029
Cu 324.754	1.1131b	ppb	0.3192	28.7	256.837
Fe 271.441	1038.77b	ppb	0.8841	0.1	924.031
K 766.491	4013.76b	ppb	6.1084	0.2	513405
Mg 279.078	1041.78b	ppb	3.1060	0.3	2246.84
Mn 257.610	9.6961b	ppb	0.0271	0.3	1360.48
Mo 202.032	0.5611b	ppb	0.8299	147.9	8.1886
Na 330.237	901276xb	ppb	2724.15	0.3	53097.3
Ni 231.604	1.5605b	ppb	0.7455	47.8	7.7957
Pb 220.353	1.9194b	ppb	2.0058	104.5	1.5985
Sb 206.834	-0.1128b	ppb	1.6978	1505.8	5.9835
Se 196.026	7.8142b	ppb	3.8118	48.8	8.3129
Sn 189.925	-1.4298b	ppb	4.5982	321.6	-5.1739
Sr 216.596	621.866b	ppb	1.6579	0.3	4493.15
Ti 334.941	0.3429b	ppb	0.0155	4.5	-38.5440
Tl 190.794	-5.7882b	ppb	3.2876	56.8	-8.8182
V 292.401	0.3592b	ppb	0.2265	63.1	12.5332
Zn 206.200	2.8256b	ppb	1.1836	41.9	6.6224

280-59692-b-1-a^20 (Samp) **9/12/2014, 10:12:47 PM** **Rack 3, Tube 35**

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

Label	Replicates Concentration		
Ag 328.068	0.1915	0.2079	-0.1747u
Al 308.215	-7.0479u	-6.8244u	-6.5619u
As 188.980	4.2010	-0.4865u	4.1991
B 249.678	10.3596	9.4924	10.1493
Ba 389.178	38.3672	35.5842	33.7980
Be 313.042	0.0332	0.0256	0.0134
Ca 370.602	178.9	172.2	159.7
Cd 226.502	0.2531	0.0637	0.1367
Co 228.615	0.3838	0.2948	0.7802
Cr 267.716	-0.1819u	-0.0879u	-0.4011u

Label	Replicates Concentration		
Cu 324.754	0.0743	0.0929	0.3025
Fe 271.441	60.8514	51.9953	44.8223
K 766.491	137.154	131.303	126.473
Mg 279.078	57.3371	54.6511	55.3051
Mn 257.610	0.4450	0.4287	0.3887
Mo 202.032	-0.8445u	-0.0519u	-0.5540u
Na 330.237	40835.8	38742.1	36563.1
Ni 231.604	0.7404	-0.5618u	0.9378
Pb 220.353	1.4724	0.3853	0.0349
Sb 206.834	-0.9184u	-1.5175u	-1.0493u
Se 196.026	2.6091	-7.0599u	-6.5095u
Sn 189.925	1.3637	-0.7032u	-2.7122u
Sr 216.596	34.5201	32.8737	30.7735
Ti 334.941	0.0558	0.0492	0.0800
Tl 190.794	0.2816	-0.1991u	-3.7760u
V 292.401	-0.2260u	0.0258	-0.1302u
Zn 206.200	0.9855	1.0414	-0.2717u

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	0.0749	ppb	0.2163	288.8	-16.0352
Al 308.215	-6.8114	ppb	0.2433	3.6	349.658
As 188.980	2.6379	ppb	2.7058	102.6	-2.8011
B 249.678	10.0005	ppb	0.4524	4.5	167.757
Ba 389.178	35.9165	ppb	2.3027	6.4	719.460
Be 313.042	0.0241	ppb	0.0100	41.4	-3156.67
Ca 370.602	170.3	ppb	9.738	5.7	629.1
Cd 226.502	0.1512	ppb	0.0955	63.2	18.4551
Co 228.615	0.4863	ppb	0.2584	53.1	-7.1362
Cr 267.716	-0.2236	ppb	0.1607	71.9	1.8413
Cu 324.754	0.1566	ppb	0.1267	80.9	213.683
Fe 271.441	52.5563	ppb	8.0293	15.3	66.2088
K 766.491	131.643	ppb	5.3486	4.1	18615.2
Mg 279.078	55.7644	ppb	1.4007	2.5	149.240
Mn 257.610	0.4208	ppb	0.0290	6.9	75.1329
Mo 202.032	-0.4835	ppb	0.4009	82.9	2.5355
Na 330.237	38713.7	ppb	2136.52	5.5	2330.94
Ni 231.604	0.3721	ppb	0.8148	218.9	4.5106
Pb 220.353	0.6309	ppb	0.7495	118.8	0.3666
Sb 206.834	-1.1618	ppb	0.3150	27.1	5.1304
Se 196.026	-3.6535	ppb	5.4305	148.6	4.3401
Sn 189.925	-0.6839	ppb	2.0380	298.0	-4.9431
Sr 216.596	32.7224	ppb	1.8779	5.7	237.330
Ti 334.941	0.0617	ppb	0.0162	26.3	-67.3892
Tl 190.794	-1.2312	ppb	2.2170	180.1	-6.3026
V 292.401	-0.1101	ppb	0.1271	115.4	4.1487
Zn 206.200	0.5851	ppb	0.7425	126.9	2.0879

280-59692-b-8-a (Samp) **9/12/2014, 10:17:16 PM** **Rack 3, Tube 36**

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

Label	Replicates Concentration		
Ag 328.068	0.1561	-0.0497u	-0.5474u
Al 308.215	44.0132	41.7180	43.7776
As 188.980	-6.3012u	2.8977	-2.1421u

Label	Replicates Concentration		
B 249.678	189.244	188.477	190.681
Ba 389.178	655.460	653.287	657.495
Be 313.042	-0.0729u	-0.0642u	-0.0709u
Ca 370.602	3331	3331	3344
Cd 226.502	0.0623	-0.0332u	-0.0596u
Co 228.615	-0.6449u	0.4378	0.0998
Cr 267.716	-0.0688	0.2736	0.3288
Cu 324.754	1.3556	0.8610	1.1153
Fe 271.441	646.923	654.571	648.300
K 766.491	4504.05	4485.36	4507.08
Mg 279.078	755.413	745.378	753.144
Mn 257.610	9.7098	9.6657	9.6617
Mo 202.032	-0.2349u	0.8029	-0.3214u
Na 330.237	779939x	779761x	781942x
Ni 231.604	0.2127	-0.1919u	-0.2503u
Pb 220.353	1.0934	1.8083	4.1064
Sb 206.834	-1.8289u	-0.9123u	-5.3216u
Se 196.026	8.7113	7.0368	8.8622
Sn 189.925	-3.8454u	-1.0512u	-1.4060u
Sr 216.596	719.873	717.613	720.879
Ti 334.941	1.3110	1.2854	1.4414
Tl 190.794	-2.4365u	-5.4869u	-3.0140u
V 292.401	0.2398	0.2237	0.4174
Zn 206.200	3.4938	3.6129	1.6509

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.1470b	ppb	0.3617	246.0	-26.8051
Al 308.215	43.1696b	ppb	1.2626	2.9	633.306
As 188.980	-1.8486b	ppb	4.6065	249.2	-4.8897
B 249.678	189.467b	ppb	1.1193	0.6	2628.07
Ba 389.178	655.414b	ppb	2.1041	0.3	13690.3
Be 313.042	-0.0693b	ppb	0.0045	6.5	-3466.55
Ca 370.602	3335b	ppb	7.141	0.2	12359
Cd 226.502	-0.0102b	ppb	0.0641	630.3	12.5317
Co 228.615	-0.0358b	ppb	0.5539	1548.2	-11.0908
Cr 267.716	0.1779b	ppb	0.2154	121.1	18.2322
Cu 324.754	1.1106b	ppb	0.2473	22.3	256.582
Fe 271.441	649.931b	ppb	4.0763	0.6	585.842
K 766.491	4498.83b	ppb	11.7637	0.3	575229
Mg 279.078	751.312b	ppb	5.2627	0.7	1629.10
Mn 257.610	9.6791b	ppb	0.0267	0.3	1356.00
Mo 202.032	0.0822b	ppb	0.6257	761.3	5.5916
Na 330.237	780547xb	ppb	1210.94	0.2	45991.8
Ni 231.604	-0.0765b	ppb	0.2521	329.6	3.3037
Pb 220.353	2.3360b	ppb	1.5743	67.4	2.0032
Sb 206.834	-2.6876b	ppb	2.3267	86.6	3.8626
Se 196.026	8.2034b	ppb	1.0131	12.4	8.4423
Sn 189.925	-2.1009b	ppb	1.5212	72.4	-5.5570
Sr 216.596	719.455b	ppb	1.6726	0.2	5197.71
Ti 334.941	1.3459b	ppb	0.0837	6.2	322.446
Tl 190.794	-3.6458b	ppb	1.6204	44.4	-7.6399
V 292.401	0.2936b	ppb	0.1075	36.6	11.3170
Zn 206.200	2.9192b	ppb	1.1000	37.7	6.8018

Cont Calib Verif (CCV) **9/12/2014, 10:21:46 PM** **Rack 3, Tube 37**

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

Label	Replicates Concentration		
Ag 328.068	490.360	489.964	489.346
Al 308.215	4857.87	4839.03	4846.61
As 188.980	476.012	470.470	472.310
B 249.678	499.245	500.523	503.585
Ba 389.178	4852.04	4822.41	4827.84
Be 313.042	493.032	490.054	490.600
Ca 370.602	4857	4829	4841
Cd 226.502	488.007	486.556	486.335
Co 228.615	488.636	486.157	486.346
Cr 267.716	4880.12	4861.90	4868.98
Cu 324.754	4950.54	4952.15	4948.74
Fe 271.441	4934.28	4918.32	4918.53
K 766.491	10007.3	9970.97	10000.3
Mg 279.078	4850.88	4825.40	4843.93
Mn 257.610	4950.85	4938.74	4948.19
Mo 202.032	488.830	487.508	487.326
Na 330.237	7359.24	7294.58	7285.20
Ni 231.604	2456.09	2438.71	2441.18
Pb 220.353	499.931	486.609	494.057
Sb 206.834	950.791	943.493	944.385
Se 196.026	4926.14	4890.06	4902.40
Sn 189.925	4799.25	4787.92	4804.96
Sr 216.596	2417.43	2409.99	2408.88
Ti 334.941	481.994	479.799	480.975
Tl 190.794	4924.65	4916.95	4904.13
V 292.401	4879.81	4858.79	4867.86
Zn 206.200	2425.31	2424.49	2429.20

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Ag 328.068	489.890	ppb	0.5110	0.1	23705.5	97.97804
Al 308.215	4847.84	ppb	9.4805	0.2	28172.5	96.95674
As 188.980	472.931	ppb	2.8228	0.6	215.806	94.58611
B 249.678	501.118	ppb	2.2297	0.4	6910.88	100.22356
Ba 389.178	4834.10	ppb	15.7773	0.3	101191	96.68196
Be 313.042	491.229	ppb	1.5857	0.3	1149729	98.24574
Ca 370.602	4842	ppb	13.95	0.3	17992	96.84790
Cd 226.502	486.966	ppb	0.9080	0.2	14103.4	97.39318
Co 228.615	487.046	ppb	1.3797	0.3	3708.51	97.40923
Cr 267.716	4870.33	ppb	9.1869	0.2	125249	97.40663
Cu 324.754	4950.48	ppb	1.7070	0.0	238509	99.00952
Fe 271.441	4923.71	ppb	9.1559	0.2	4351.77	98.47420
K 766.491	9992.88	ppb	19.2943	0.2	1275465	99.92876
Mg 279.078	4840.07	ppb	13.1720	0.3	10326.8	96.80144
Mn 257.610	4945.92	ppb	6.3646	0.1	682631	98.91849
Mo 202.032	487.888	ppb	0.8209	0.2	2679.67	97.57764
Na 330.237	7313.01	ppb	40.3120	0.6	465.971	97.50676
Ni 231.604	2445.33	ppb	9.4060	0.4	6694.06	97.81303
Pb 220.353	493.532	ppb	6.6765	1.4	477.313	98.70641
Sb 206.834	946.223	ppb	3.9810	0.4	810.895	94.62234
Se 196.026	4906.20	ppb	18.3395	0.4	1693.39	98.12399
Sn 189.925	4797.38	ppb	8.6771	0.2	2566.59	95.94756
Sr 216.596	2412.10	ppb	4.6460	0.2	17340.7	96.48399

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Ti 334.941	480.923	ppb	1.0987	0.2	168554	96.18452
Tl 190.794	4915.24	ppb	10.3645	0.2	2638.93	98.30486
V 292.401	4868.82	ppb	10.5421	0.2	156205	97.37643
Zn 206.200	2426.33	ppb	2.5188	0.1	4878.05	97.05337

Cont Calib Blank (CCB) **9/12/2014, 10:26:15 PM** **Rack 3, Tube 38**

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

Label	Replicates Concentration		
Ag 328.068	0.0893	0.5680	0.2263
Al 308.215	-9.1532u	-7.9256u	-4.6487u
As 188.980	6.2177	7.5951	9.8041
B 249.678	6.6389	5.7215	5.3890
Ba 389.178	1.2919	0.6192	0.8937
Be 313.042	0.0865	0.0885	0.0611
Ca 370.602	3.528	1.881	1.676
Cd 226.502	0.2190	0.3736	0.2328
Co 228.615	-0.3058u	-0.0289u	1.3756
Cr 267.716	0.3983	0.3757	0.2727
Cu 324.754	0.9179	0.8479	0.8051
Fe 271.441	4.2518	7.0061	-1.5698u
K 766.491	-0.3731u	-0.2774u	-0.5497u
Mg 279.078	0.9356	1.2083	-3.5958u
Mn 257.610	0.5113	0.4434	0.3663
Mo 202.032	1.4084	1.0403	0.1424
Na 330.237	-3.7809u	98.5804	45.7720
Ni 231.604	1.4570	0.5996	0.8234
Pb 220.353	4.0428	5.7301	1.0256
Sb 206.834	4.3421	5.7607	0.6282
Se 196.026	-7.0802u	-0.1814u	14.8107
Sn 189.925	0.9013	-1.3435u	-0.6642u
Sr 216.596	0.6277	-0.0817u	0.4024
Ti 334.941	0.1981	0.2308	0.1463
Tl 190.794	2.9105	0.8811	3.6561
V 292.401	0.6697	0.8631	0.4806
Zn 206.200	0.4808	0.7254	0.3924

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Ag 328.068	0.2945	ppb	0.2465	83.7	-5.4033	0.29455
Al 308.215	-7.2425	ppb	2.3287	32.2	347.329	-7.24252
As 188.980	7.8723	ppb	1.8092	23.0	-0.3681	7.87229
B 249.678	5.9164	ppb	0.6474	10.9	111.833	5.91644
Ba 389.178	0.9349	ppb	0.3382	36.2	-13.0396	0.93493
Be 313.042	0.0787	ppb	0.0153	19.4	-3023.99	0.07868
Ca 370.602	2.362	ppb	1.015	43.0	7.225	2.36180
Cd 226.502	0.2752	ppb	0.0856	31.1	22.0541	0.27515
Co 228.615	0.3469	ppb	0.9015	259.8	-8.2256	0.34695
Cr 267.716	0.3489	ppb	0.0670	19.2	16.2505	0.34893
Cu 324.754	0.8569	ppb	0.0569	6.6	247.580	0.85693
Fe 271.441	3.2294	ppb	4.3784	135.6	23.3090	3.22938
K 766.491	-0.4001	ppb	0.1381	34.5	1785.82	-0.40007
Mg 279.078	-0.4840	ppb	2.6984	557.5	29.5705	-0.48400
Mn 257.610	0.4404	ppb	0.0725	16.5	77.5141	0.44036
Mo 202.032	0.8637	ppb	0.6512	75.4	9.9311	0.86370

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Na 330.237	46.8572	ppb	51.1893	109.2	55.1919	46.85724
Ni 231.604	0.9600	ppb	0.4447	46.3	6.1173	0.96004
Pb 220.353	3.5995	ppb	2.3834	66.2	3.2304	3.59951
Sb 206.834	3.5770	ppb	2.6505	74.1	9.0340	3.57702
Se 196.026	2.5164	ppb	11.1921	444.8	6.4601	2.51636
Sn 189.925	-0.3688	ppb	1.1512	312.1	-4.7818	-0.36882
Sr 216.596	0.3161	ppb	0.3624	114.6	3.1993	0.31613
Ti 334.941	0.1917	ppb	0.0426	22.2	-18.7029	0.19173
Tl 190.794	2.4826	ppb	1.4361	57.8	-4.3039	2.48256
V 292.401	0.6711	ppb	0.1913	28.5	29.2180	0.67115
Zn 206.200	0.5328	ppb	0.1725	32.4	1.9803	0.53283

280-59692-b-8-a^20 (Samp) **9/12/2014, 10:30:45 PM** **Rack 3, Tube 39**

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

Label	Replicates Concentration		
Ag 328.068	0.0541	0.3527	0.0423
Al 308.215	-4.3043u	-2.4346u	-7.9342u
As 188.980	-3.3282u	-7.8872u	0.2482
B 249.678	12.7337	12.5739	11.9938
Ba 389.178	37.5991	35.1723	34.2076
Be 313.042	0.0305	0.0289	0.0387
Ca 370.602	191.1	180.4	169.8
Cd 226.502	0.3193	0.0774	0.0435
Co 228.615	0.6178	-0.2728u	-0.4284u
Cr 267.716	0.2283	-0.1549u	-0.0755u
Cu 324.754	0.2479	0.3718	0.1335
Fe 271.441	33.3664	40.9330	26.8422
K 766.491	161.548	153.253	146.508
Mg 279.078	37.1852	37.9030	35.9119
Mn 257.610	0.5947	0.5137	0.4227
Mo 202.032	0.2285	0.0061	0.5056
Na 330.237	36550.1	33703.2	32239.8
Ni 231.604	0.8089	0.8085	-0.3266u
Pb 220.353	-0.4454u	5.7361	3.4244
Sb 206.834	-3.9664u	5.3501	-2.0204u
Se 196.026	-2.9136u	4.2556	-4.0825u
Sn 189.925	-3.2508u	0.3321	-0.3431u
Sr 216.596	40.1429	37.7873	35.7411
Ti 334.941	0.1317	0.1066	0.1044
Tl 190.794	-0.3134u	-1.3492u	-0.9644u
V 292.401	0.0386	-0.0491u	0.2123
Zn 206.200	0.1330	1.4114	-0.2953u

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	0.1497	ppb	0.1759	117.5	-12.4146
Al 308.215	-4.8910	ppb	2.7964	57.2	360.608
As 188.980	-3.6557	ppb	4.0776	111.5	-5.7252
B 249.678	12.4338	ppb	0.3893	3.1	201.151
Ba 389.178	35.6597	ppb	1.7475	4.9	714.006
Be 313.042	0.0327	ppb	0.0052	16.0	-3135.98
Ca 370.602	180.5	ppb	10.65	5.9	667.3
Cd 226.502	0.1467	ppb	0.1504	102.5	18.2947
Co 228.615	-0.0278	ppb	0.5645	2032.3	-11.0769

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Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Cr 267.716	-0.0007	ppb	0.2023	30276.4	7.5372
Cu 324.754	0.2511	ppb	0.1192	47.5	218.234
Fe 271.441	33.7139	ppb	7.0518	20.9	49.7839
K 766.491	153.769	ppb	7.5335	4.9	21435.3
Mg 279.078	37.0000	ppb	1.0084	2.7	109.323
Mn 257.610	0.5104	ppb	0.0861	16.9	87.3626
Mo 202.032	0.2467	ppb	0.2502	101.4	6.5436
Na 330.237	34164.4	ppb	2191.87	6.4	2063.19
Ni 231.604	0.4303	ppb	0.6554	152.3	4.6690
Pb 220.353	2.9050	ppb	3.1233	107.5	2.5605
Sb 206.834	-0.2122	ppb	4.9144	2315.7	5.9060
Se 196.026	-0.9135	ppb	4.5146	494.2	5.2820
Sn 189.925	-1.0873	ppb	1.9038	175.1	-5.1602
Sr 216.596	37.8904	ppb	2.2027	5.8	274.625
Ti 334.941	0.1142	ppb	0.0152	13.3	-48.6075
Tl 190.794	-0.8757	ppb	0.5236	59.8	-6.1109
V 292.401	0.0673	ppb	0.1330	197.7	9.7045
Zn 206.200	0.4164	ppb	0.8879	213.2	1.7471

280-59692-b-4-a (Samp) **9/12/2014, 10:35:15 PM** **Rack 3, Tube 40**

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

Label	Replicates Concentration		
Ag 328.068	0.6856	0.3391	-0.0184u
Al 308.215	11.2092	11.7642	8.3372
As 188.980	-2.7220u	1.2682	-4.7817u
B 249.678	90.6009	91.6549	92.1704
Ba 389.178	438.888	438.933	440.339
Be 313.042	-0.0643u	-0.0536u	-0.0717u
Ca 370.602	2088	2080	2091
Cd 226.502	0.1035	0.0670u	-0.1079u
Co 228.615	0.2466	-0.3552u	-0.3094u
Cr 267.716	0.5725	0.5472	0.2341
Cu 324.754	1.1153	1.3102	1.1242
Fe 271.441	111.618	113.880	118.895
K 766.491	2679.75	2681.99	2686.11
Mg 279.078	299.149	291.393	293.925
Mn 257.610	4.7770	4.8036	4.8101
Mo 202.032	1.1686	0.6727	1.2342
Na 330.237	648530x	648883x	652297x
Ni 231.604	-0.0251u	1.0782	0.1652
Pb 220.353	1.8883	-2.6870u	-0.4072u
Sb 206.834	1.0010	-4.2840u	-4.7370u
Se 196.026	7.8984	1.1431	12.1907
Sn 189.925	0.3453	-5.0059u	-5.6966u
Sr 216.596	437.458	435.155	437.099
Ti 334.941	0.3455	0.3186	0.3429
Tl 190.794	-4.6575u	0.8364	-7.3013u
V 292.401	0.0598u	0.2067	-0.0539u
Zn 206.200	5.0594	2.3895	3.4649

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	0.3354b	ppb	0.3520	104.9	-3.4272
Al 308.215	10.4369b	ppb	1.8394	17.6	447.625

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Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
As 188.980	-2.0785b	ppb	3.0759	148.0	-4.9927
B 249.678	91.4754b	ppb	0.8000	0.9	1284.85
Ba 389.178	439.387b	ppb	0.8252	0.2	9166.08
Be 313.042	-0.0632b	ppb	0.0091	14.4	-3436.18
Ca 370.602	2086b	ppb	5.653	0.3	7733
Cd 226.502	0.0209b	ppb	0.1130	541.5	12.5735
Co 228.615	-0.1393b	ppb	0.3350	240.5	-11.9384
Cr 267.716	0.4513b	ppb	0.1885	41.8	24.1788
Cu 324.754	1.1833b	ppb	0.1100	9.3	261.311
Fe 271.441	114.797b	ppb	3.7241	3.2	120.292
K 766.491	2682.62b	ppb	3.2273	0.1	343746
Mg 279.078	294.822b	ppb	3.9548	1.3	658.154
Mn 257.610	4.7969b	ppb	0.0175	0.4	678.859
Mo 202.032	1.0252b	ppb	0.3070	30.0	10.8087
Na 330.237	649904xb	ppb	2080.10	0.3	38303.0
Ni 231.604	0.4061b	ppb	0.5898	145.2	4.6055
Pb 220.353	-0.4020b	ppb	2.2877	569.1	-0.6315
Sb 206.834	-2.6734b	ppb	3.1901	119.3	3.8609
Se 196.026	7.0774b	ppb	5.5694	78.7	8.0411
Sn 189.925	-3.4524b	ppb	3.3070	95.8	-6.3074
Sr 216.596	436.571b	ppb	1.2386	0.3	3154.19
Ti 334.941	0.3357b	ppb	0.0148	4.4	-21.7040
Tl 190.794	-3.7075b	ppb	4.1512	112.0	-7.6375
V 292.401	0.0709b	ppb	0.1307	184.3	4.7388
Zn 206.200	3.6379b	ppb	1.3433	36.9	8.2378

280-59692-b-4-a^20 (Samp) **9/12/2014, 10:39:45 PM** **Rack 3, Tube 41**

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

Label	Replicates Concentration		
Ag 328.068	0.1659	-0.2895u	0.0587
Al 308.215	-9.5069u	-6.1938u	-9.8066u
As 188.980	-2.1446u	7.6920	-5.4530u
B 249.678	7.2957	7.3896	6.2520
Ba 389.178	27.2018	26.3726	26.0078
Be 313.042	0.0284	0.0271	0.0287
Ca 370.602	132.2	124.8	126.3
Cd 226.502	0.0830	0.4130	-0.0080u
Co 228.615	-0.3236u	0.2806	0.3494
Cr 267.716	0.1405	0.0426	0.0310
Cu 324.754	0.2377	-0.0430u	0.3312
Fe 271.441	5.3648	7.8020	18.1119
K 766.491	110.341	106.705	104.713
Mg 279.078	15.2839	15.5004	18.4893
Mn 257.610	0.2421	0.1970	0.2202
Mo 202.032	-0.8743u	0.1998	-0.0361u
Na 330.237	33007.2	32154.0	31392.8
Ni 231.604	0.4347	1.7085	0.3711
Pb 220.353	-3.3099u	-0.5782u	1.8037
Sb 206.834	-2.2242u	-1.4627u	-0.5269u
Se 196.026	4.6409	-4.7556u	3.3936
Sn 189.925	3.0308	-2.6720u	-1.2621u
Sr 216.596	26.6432	25.2000	24.7969
Ti 334.941	0.0565	0.0238	0.0277

Label	Replicates Concentration		
Tl 190.794	-0.0565u	-0.3760u	1.3559
V 292.401	-0.1932u	0.2714	0.0500
Zn 206.200	0.2593	1.1380	0.2462

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.0216	ppb	0.2381	1101.0	-20.6997
Al 308.215	-8.5024	ppb	2.0050	23.6	340.085
As 188.980	0.0315	ppb	6.8373	21720.4	-4.0118
B 249.678	6.9791	ppb	0.6315	9.0	126.355
Ba 389.178	26.5274	ppb	0.6118	2.3	522.739
Be 313.042	0.0281	ppb	0.0009	3.0	-3146.56
Ca 370.602	127.8	ppb	3.899	3.1	472.2
Cd 226.502	0.1627	ppb	0.2215	136.2	18.6956
Co 228.615	0.1022	ppb	0.3703	362.5	-10.0780
Cr 267.716	0.0714	ppb	0.0602	84.2	9.3766
Cu 324.754	0.1753	ppb	0.1948	111.1	214.630
Fe 271.441	10.4262	ppb	6.7666	64.9	29.5166
K 766.491	107.253	ppb	2.8537	2.7	15506.6
Mg 279.078	16.4246	ppb	1.7914	10.9	65.5648
Mn 257.610	0.2197	ppb	0.0226	10.3	47.0850
Mo 202.032	-0.2369	ppb	0.5645	238.3	3.8923
Na 330.237	32184.7	ppb	807.679	2.5	1946.69
Ni 231.604	0.8381	ppb	0.7545	90.0	5.7840
Pb 220.353	-0.6948	ppb	2.5588	368.3	-0.9117
Sb 206.834	-1.4046	ppb	0.8501	60.5	4.9267
Se 196.026	1.0930	ppb	5.1033	466.9	5.9713
Sn 189.925	-0.3011	ppb	2.9703	986.5	-4.7392
Sr 216.596	25.5467	ppb	0.9707	3.8	185.455
Ti 334.941	0.0360	ppb	0.0178	49.6	-75.9433
Tl 190.794	0.3078	ppb	0.9216	299.4	-5.4732
V 292.401	0.0427	ppb	0.2324	543.9	9.0245
Zn 206.200	0.5478	ppb	0.5111	93.3	2.0113

280-59692-b-3-a (Samp) **9/12/2014, 10:44:14 PM** **Rack 3, Tube 42**

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

Label	Replicates Concentration		
Ag 328.068	-0.0318u	0.4058	0.0851
Al 308.215	15.0714	16.9062	17.3909
As 188.980	-2.2596u	5.0720	3.1981
B 249.678	66.1023	65.8717	66.8836
Ba 389.178	328.397	327.008	329.367
Be 313.042	-0.0781u	-0.0519u	-0.0542u
Ca 370.602	2195	2187	2201
Cd 226.502	-0.0783u	-0.0459u	-0.0786u
Co 228.615	-0.1191u	0.0759	-0.0117u
Cr 267.716	0.0858	0.6107	0.4672
Cu 324.754	1.3389	1.0844	1.3331
Fe 271.441	406.032	400.645	411.753
K 766.491	2449.55	2447.40	2455.19
Mg 279.078	432.294	432.083	436.511
Mn 257.610	6.7737	6.7952	6.7827
Mo 202.032	1.5472	1.3492	0.6271
Na 330.237	618263x	616226x	619038x

Label	Replicates Concentration		
Ni 231.604	1.4002	-0.8656u	-0.2344u
Pb 220.353	4.8459	5.2910	2.2920
Sb 206.834	1.9478	6.0306	-7.8157u
Se 196.026	8.6926	0.9078	11.7201
Sn 189.925	0.2036	-2.3337u	-4.1325u
Sr 216.596	389.952	387.905	387.268
Ti 334.941	0.3806	0.3619	0.4103
Tl 190.794	-0.7728u	-2.0712u	-1.9838u
V 292.401	0.6225	-0.0929u	0.0940u
Zn 206.200	3.8033	3.8890	4.3938

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	0.1530b	ppb	0.2266	148.0	-12.2715
Al 308.215	16.4562b	ppb	1.2235	7.4	481.797
As 188.980	2.0035b	ppb	3.8090	190.1	-3.0978
B 249.678	66.2859b	ppb	0.5303	0.8	939.290
Ba 389.178	328.257b	ppb	1.1854	0.4	6840.64
Be 313.042	-0.0614b	ppb	0.0145	23.6	-3428.21
Ca 370.602	2194b	ppb	6.834	0.3	8131
Cd 226.502	-0.0676b	ppb	0.0188	27.8	10.8474
Co 228.615	-0.0183b	ppb	0.0977	534.2	-11.0040
Cr 267.716	0.3879b	ppb	0.2713	69.9	22.3059
Cu 324.754	1.2522b	ppb	0.1453	11.6	264.529
Fe 271.441	406.143b	ppb	5.5552	1.4	373.744
K 766.491	2450.72b	ppb	4.0239	0.2	314189
Mg 279.078	433.629b	ppb	2.4981	0.6	953.147
Mn 257.610	6.7839b	ppb	0.0108	0.2	954.561
Mo 202.032	1.1745b	ppb	0.4843	41.2	11.6050
Na 330.237	617842xb	ppb	1452.50	0.2	36415.9
Ni 231.604	0.1001b	ppb	1.1693	1168.5	3.7782
Pb 220.353	4.1430b	ppb	1.6183	39.1	3.7497
Sb 206.834	0.0542b	ppb	7.1147	13123.7	6.1140
Se 196.026	7.1068b	ppb	5.5778	78.5	8.0558
Sn 189.925	-2.0875b	ppb	2.1785	104.4	-5.5818
Sr 216.596	388.375b	ppb	1.4023	0.4	2806.36
Ti 334.941	0.3842b	ppb	0.0244	6.4	-1.8509
Tl 190.794	-1.6093b	ppb	0.7257	45.1	-6.5298
V 292.401	0.2079b	ppb	0.3710	178.5	9.4586
Zn 206.200	4.0287b	ppb	0.3191	7.9	9.0316

280-59692-b-3-a^20 (Samp) **9/12/2014, 10:48:44 PM** **Rack 3, Tube 43**

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

Label	Replicates Concentration		
Ag 328.068	0.1379	0.1319	0.6161
Al 308.215	-8.5014u	-6.0579u	-7.3283u
As 188.980	3.0109	-2.9105u	2.1473
B 249.678	5.0616	4.9206	5.2359
Ba 389.178	17.6193	17.3603	15.9993
Be 313.042	0.0293	0.0235	0.0296
Ca 370.602	118.5	112.4	108.1
Cd 226.502	0.0272	0.1258	0.0746
Co 228.615	0.4323	0.9233	0.1374
Cr 267.716	0.0499	-0.5409u	-0.0451u

Label	Replicates Concentration		
Cu 324.754	0.3861	0.2210	0.4384
Fe 271.441	19.2435	19.4152	19.6833
K 766.491	86.9289	86.0419	83.6659
Mg 279.078	24.5981	22.3156	24.3072
Mn 257.610	0.2793	0.3222	0.2846
Mo 202.032	0.3373	0.0155	0.1178
Na 330.237	27308.0	27252.6	25922.1
Ni 231.604	1.7870	-0.9701u	0.5423
Pb 220.353	-0.1459u	2.1950	1.1112
Sb 206.834	-2.9657u	4.2167	2.7089
Se 196.026	4.5754	9.6721	13.5798
Sn 189.925	-4.1557u	2.9289	-3.0265u
Sr 216.596	20.2712	20.4098	20.1580
Ti 334.941	0.0296	0.0726	0.0521
Tl 190.794	-5.6133u	-2.2653u	-2.4363u
V 292.401	0.1370	-0.2092u	-0.2475u
Zn 206.200	0.0489	-0.2677u	0.8240

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	0.2953	ppb	0.2778	94.1	-5.3718
Al 308.215	-7.2959	ppb	1.2221	16.7	346.947
As 188.980	0.7492	ppb	3.1987	426.9	-3.6783
B 249.678	5.0727	ppb	0.1580	3.1	100.238
Ba 389.178	16.9929	ppb	0.8702	5.1	323.191
Be 313.042	0.0275	ppb	0.0034	12.5	-3147.42
Ca 370.602	113.0	ppb	5.206	4.6	417.2
Cd 226.502	0.0759	ppb	0.0493	65.0	16.2355
Co 228.615	0.4976	ppb	0.3970	79.8	-7.0628
Cr 267.716	-0.1787	ppb	0.3172	177.5	2.8990
Cu 324.754	0.3485	ppb	0.1135	32.6	222.993
Fe 271.441	19.4473	ppb	0.2216	1.1	37.4175
K 766.491	85.5455	ppb	1.6872	2.0	12739.9
Mg 279.078	23.7403	ppb	1.2424	5.2	81.1198
Mn 257.610	0.2954	ppb	0.0234	7.9	57.6059
Mo 202.032	0.1569	ppb	0.1644	104.8	6.0519
Na 330.237	26827.6	ppb	784.662	2.9	1631.39
Ni 231.604	0.4531	ppb	1.3807	304.7	4.7308
Pb 220.353	1.0534	ppb	1.1715	111.2	0.7742
Sb 206.834	1.3200	ppb	3.7873	286.9	7.1740
Se 196.026	9.2758	ppb	4.5153	48.7	8.7851
Sn 189.925	-1.4178	ppb	3.8064	268.5	-5.3388
Sr 216.596	20.2796	ppb	0.1261	0.6	147.425
Ti 334.941	0.0514	ppb	0.0215	41.8	-70.0477
Tl 190.794	-3.4383	ppb	1.8855	54.8	-7.4860
V 292.401	-0.1066	ppb	0.2118	198.7	4.1904
Zn 206.200	0.2017	ppb	0.5617	278.4	1.3147

280-59693-b-6-a (Samp) **9/12/2014, 10:53:14 PM** **Rack 3, Tube 44**

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

Label	Replicates Concentration		
Ag 328.068	0.4029	0.4560	-0.5660u
Al 308.215	42.6835	42.7280	38.8957
As 188.980	0.0456	5.3864	2.1874

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Label	Replicates Concentration		
B 249.678	153.012	153.020	154.652
Ba 389.178	444.909	444.861	444.026
Be 313.042	-0.0739u	-0.0894u	-0.0652u
Ca 370.602	2838	2848	2849
Cd 226.502	-0.2309u	0.1072	0.2643
Co 228.615	-0.2197u	0.4321	0.1864
Cr 267.716	0.2553	0.1332	0.2117
Cu 324.754	1.1584	0.8149	0.8206
Fe 271.441	409.940	424.343	410.178
K 766.491	4933.93	4944.80	4942.66
Mg 279.078	645.935	649.232	644.276
Mn 257.610	6.4310	6.4336	6.3286
Mo 202.032	0.5945	-0.1766u	0.8457
Na 330.237	744261x	744941x	740738x
Ni 231.604	2.1655	0.1281	1.9922
Pb 220.353	5.2730	1.9517	-1.4966u
Sb 206.834	2.6332	-3.3274u	-3.1503u
Se 196.026	3.3944	-0.9548u	7.7542
Sn 189.925	3.5882	2.2612	-5.0512u
Sr 216.596	628.462	630.627	629.791
Ti 334.941	0.8406	0.8717	0.9495
Tl 190.794	-9.1475u	-3.1463u	-6.2293u
V 292.401	0.3227	0.1748u	0.2955
Zn 206.200	3.0206	3.3179	3.0209

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	0.0976b	ppb	0.5753	589.3	-14.9583
Al 308.215	41.4357b	ppb	2.1998	5.3	623.479
As 188.980	2.5398b	ppb	2.6878	105.8	-2.8489
B 249.678	153.561b	ppb	0.9443	0.6	2135.94
Ba 389.178	444.599b	ppb	0.4968	0.1	9276.58
Be 313.042	-0.0762b	ppb	0.0122	16.1	-3478.16
Ca 370.602	2845b	ppb	5.867	0.2	10544
Cd 226.502	0.0469b	ppb	0.2530	540.0	13.7287
Co 228.615	0.1329b	ppb	0.3291	247.6	-9.8242
Cr 267.716	0.2001b	ppb	0.0619	30.9	18.5011
Cu 324.754	0.9313b	ppb	0.1967	21.1	248.432
Fe 271.441	414.820b	ppb	8.2479	2.0	381.295
K 766.491	4940.47b	ppb	5.7571	0.1	631517
Mg 279.078	646.481b	ppb	2.5226	0.4	1406.34
Mn 257.610	6.3977b	ppb	0.0599	0.9	902.159
Mo 202.032	0.4212b	ppb	0.5327	126.5	7.4705
Na 330.237	743313xb	ppb	2256.00	0.3	43800.5
Ni 231.604	1.4286b	ppb	1.1296	79.1	7.4135
Pb 220.353	1.9094b	ppb	3.3850	177.3	1.5941
Sb 206.834	-1.2815b	ppb	3.3914	264.6	5.0213
Se 196.026	3.3979b	ppb	4.3545	128.2	6.7839
Sn 189.925	0.2660b	ppb	4.6524	1748.7	-4.2957
Sr 216.596	629.627b	ppb	1.0918	0.2	4548.70
Ti 334.941	0.8872b	ppb	0.0561	6.3	164.467
Tl 190.794	-6.1743b	ppb	3.0010	48.6	-8.9831
V 292.401	0.2643b	ppb	0.0787	29.8	10.5000
Zn 206.200	3.1198b	ppb	0.1715	5.5	7.2010

280-59693-b-6-a^20 (Samp) **9/12/2014, 10:57:44 PM** **Rack 3, Tube 45**

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

Label	Replicates Concentration		
Ag 328.068	0.2615	0.1730	0.3205
Al 308.215	-6.2460u	-4.0024u	-5.7680u
As 188.980	-8.2269u	-7.8085u	-7.1518u
B 249.678	10.0803	9.9378	9.2716
Ba 389.178	21.6192	22.9005	22.7419
Be 313.042	0.0263	0.0063	0.0181
Ca 370.602	150.5	147.5	143.5
Cd 226.502	0.0157	0.0976	-0.0286u
Co 228.615	0.8243	-0.2484u	0.3162
Cr 267.716	-0.0066	-0.2328u	-0.1244u
Cu 324.754	0.3215	0.7139	0.6334
Fe 271.441	23.3780	20.4543	19.0577
K 766.491	162.114	164.023	161.174
Mg 279.078	33.3921	33.7909	32.2945
Mn 257.610	0.2605	0.2167	0.2345
Mo 202.032	0.1539	-0.5818u	0.0088
Na 330.237	30990.7	31169.5	30643.1
Ni 231.604	1.3877	1.3312	1.7530
Pb 220.353	0.8251	-1.8953u	-0.1292u
Sb 206.834	-1.7139u	1.2870	-6.0769u
Se 196.026	2.2849	-1.5844u	10.6032
Sn 189.925	1.5807	3.9481	-0.4688u
Sr 216.596	31.3660	31.1558	31.1562
Ti 334.941	0.0685	0.0476	0.0575
Tl 190.794	-4.0667u	-1.6582u	-5.8943u
V 292.401	0.2001	0.0359	0.1502
Zn 206.200	0.9569	-0.4080u	0.4079

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	0.2517	ppb	0.0742	29.5	-7.4816
Al 308.215	-5.3388	ppb	1.1817	22.1	358.042
As 188.980	-7.7291	ppb	0.5419	7.0	-7.6180
B 249.678	9.7633	ppb	0.4317	4.4	164.520
Ba 389.178	22.4205	ppb	0.6985	3.1	436.831
Be 313.042	0.0169	ppb	0.0101	59.6	-3172.61
Ca 370.602	147.2	ppb	3.529	2.4	543.9
Cd 226.502	0.0282	ppb	0.0641	227.1	14.8432
Co 228.615	0.2974	ppb	0.5366	180.4	-8.5869
Cr 267.716	-0.1213	ppb	0.1131	93.3	4.4094
Cu 324.754	0.5563	ppb	0.2072	37.3	232.956
Fe 271.441	20.9633	ppb	2.2047	10.5	38.7213
K 766.491	162.437	ppb	1.4515	0.9	22540.0
Mg 279.078	33.1592	ppb	0.7749	2.3	101.175
Mn 257.610	0.2372	ppb	0.0221	9.3	49.6212
Mo 202.032	-0.1397	ppb	0.3897	278.9	4.4245
Na 330.237	30934.4	ppb	267.661	0.9	1873.10
Ni 231.604	1.4906	ppb	0.2290	15.4	7.5696
Pb 220.353	-0.3998	ppb	1.3802	345.2	-0.6276
Sb 206.834	-2.1679	ppb	3.7029	170.8	4.2931
Se 196.026	3.7679	ppb	6.2277	165.3	6.8913
Sn 189.925	1.6866	ppb	2.2104	131.1	-3.6741
Sr 216.596	31.2260	ppb	0.1212	0.4	226.459

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ti 334.941	0.0579	ppb	0.0105	18.1	-68.1227
Tl 190.794	-3.8731	ppb	2.1247	54.9	-7.7196
V 292.401	0.1287	ppb	0.0842	65.4	11.8009
Zn 206.200	0.3189	ppb	0.6868	215.4	1.5507

680-105001-e-1-a (Samp) **9/12/2014, 11:02:13 PM** **Rack 3, Tube 46**

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

Label	Replicates Concentration		
Ag 328.068	0.4470	0.2654	0.1413
Al 308.215	328.401	326.339	325.888
As 188.980	-4.8755u	-5.8461u	-0.8941u
B 249.678	31.8678	31.9703	32.3100
Ba 389.178	26.1614	25.4202	25.7708
Be 313.042	0.0211	0.0280	0.0228
Ca 370.602	4471	4460	4478
Cd 226.502	0.2025	0.0457	0.1234
Co 228.615	0.9048	0.1718	0.1586
Cr 267.716	1.6059	1.4405	1.3393
Cu 324.754	8.4400	8.7207	8.7339
Fe 271.441	381.731	392.699	391.252
K 766.491	1371.30	1369.64	1369.53
Mg 279.078	387.994	384.662	384.665
Mn 257.610	9.9285	9.9394	10.0240
Mo 202.032	0.1615	1.5247	0.7982
Na 330.237	1304.38	1515.03	1394.01
Ni 231.604	3.3691	0.7931	2.3641
Pb 220.353	4.1491	9.3200	6.5191
Sb 206.834	4.2613	0.3294	-1.1012u
Se 196.026	4.0279	2.1427	3.7264
Sn 189.925	0.1293	-7.9783u	1.6046
Sr 216.596	20.2537	19.4679	19.2850
Ti 334.941	15.8346	15.9436	15.7404
Tl 190.794	0.8762	-1.1822u	-0.8372u
V 292.401	3.5414	3.5878	3.2529
Zn 206.200	47.0691	46.9255	47.1444

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	0.2846	ppb	0.1538	54.0	-5.9053
Al 308.215	326.876	ppb	1.3398	0.4	2243.31
As 188.980	-3.8719	ppb	2.6241	67.8	-5.8279
B 249.678	32.0494	ppb	0.2315	0.7	469.890
Ba 389.178	25.7841	ppb	0.3708	1.4	508.775
Be 313.042	0.0240	ppb	0.0036	15.0	-3149.83
Ca 370.602	4470	ppb	8.942	0.2	16573
Cd 226.502	0.1239	ppb	0.0784	63.3	18.6372
Co 228.615	0.4117	ppb	0.4271	103.7	-7.4856
Cr 267.716	1.4619	ppb	0.1346	9.2	44.8666
Cu 324.754	8.6315	ppb	0.1660	1.9	617.332
Fe 271.441	388.560	ppb	5.9588	1.5	358.503
K 766.491	1370.16	ppb	0.9910	0.1	176468
Mg 279.078	385.774	ppb	1.9230	0.5	851.274
Mn 257.610	9.9640	ppb	0.0523	0.5	1394.88
Mo 202.032	0.8281	ppb	0.6821	82.4	9.7041

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Na 330.237	1404.47	ppb	105.714	7.5	134.546
Ni 231.604	2.1754	ppb	1.2983	59.7	9.4561
Pb 220.353	6.6628	ppb	2.5884	38.8	6.1645
Sb 206.834	1.1632	ppb	2.7768	238.7	7.0428
Se 196.026	3.2990	ppb	1.0127	30.7	6.7584
Sn 189.925	-2.0815	ppb	5.1598	247.9	-5.6994
Sr 216.596	19.6689	ppb	0.5147	2.6	144.135
Ti 334.941	15.8395	ppb	0.1017	0.6	5468.77
Tl 190.794	-0.3811	ppb	1.1024	289.3	-5.8664
V 292.401	3.4607	ppb	0.1815	5.2	119.229
Zn 206.200	47.0463	ppb	0.1112	0.2	95.7022

680-105001-e-1-aSD^5 (Samp) **9/12/2014, 11:06:43 PM** **Rack 3, Tube 47**

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

Label	Replicates Concentration		
Ag 328.068	0.7023	0.2680	0.7711
Al 308.215	76.3421	74.9154	73.3905
As 188.980	-5.9610u	2.0947	-0.2164u
B 249.678	9.1469	8.3673	8.1470
Ba 389.178	6.8447	5.7551	6.5171
Be 313.042	0.0270	0.0383	0.0234
Ca 370.602	1113	1079	1059
Cd 226.502	0.0535	0.2157	-0.0768u
Co 228.615	-0.6419u	0.0991	0.5049
Cr 267.716	0.2036	0.2754	0.0584
Cu 324.754	2.2577	2.2499	2.2381
Fe 271.441	94.6997	94.9588	97.5619
K 766.491	342.784	335.472	329.261
Mg 279.078	99.2681	96.3148	93.4505
Mn 257.610	2.3809	2.3058	2.3257
Mo 202.032	1.3621	0.1024	1.0675
Na 330.237	346.341	407.518	500.140
Ni 231.604	-0.0399u	0.5742	1.5362
Pb 220.353	-0.7976u	6.6479	-0.1528u
Sb 206.834	4.0956	-3.8038u	3.6032
Se 196.026	-2.6097u	3.2645	3.6354
Sn 189.925	-0.1558u	-4.9413u	-0.4523u
Sr 216.596	4.4626	4.5789	4.7008
Ti 334.941	4.5209	3.8496	3.8669
Tl 190.794	0.0707	-1.9532u	2.2111
V 292.401	0.9796	0.9206	0.8829
Zn 206.200	10.7402	11.4247	10.9168

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	0.5805	ppb	0.2727	47.0	8.4200
Al 308.215	74.8827	ppb	1.4761	2.0	813.335
As 188.980	-1.3609	ppb	4.1480	304.8	-4.6591
B 249.678	8.5537	ppb	0.5254	6.1	147.913
Ba 389.178	6.3723	ppb	0.5590	8.8	101.177
Be 313.042	0.0296	ppb	0.0078	26.3	-3138.66
Ca 370.602	1083	ppb	27.25	2.5	4015
Cd 226.502	0.0641	ppb	0.1465	228.5	16.1695
Co 228.615	-0.0126	ppb	0.5815	4601.8	10.9135

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Cr 267.716	0.1791	ppb	0.1105	61.7	11.8831
Cu 324.754	2.2486	ppb	0.0099	0.4	313.480
Fe 271.441	95.7401	ppb	1.5830	1.7	103.722
K 766.491	335.839	ppb	6.7688	2.0	44640.7
Mg 279.078	96.3445	ppb	2.9089	3.0	235.577
Mn 257.610	2.3375	ppb	0.0389	1.7	340.070
Mo 202.032	0.8440	ppb	0.6589	78.1	9.8161
Na 330.237	418.000	ppb	77.4336	18.5	76.9066
Ni 231.604	0.6902	ppb	0.7944	115.1	5.3820
Pb 220.353	1.8992	ppb	4.1251	217.2	1.5849
Sb 206.834	1.2984	ppb	4.4254	340.9	7.1462
Se 196.026	1.4301	ppb	3.5035	245.0	6.0935
Sn 189.925	-1.8498	ppb	2.6814	145.0	-5.5754
Sr 216.596	4.5808	ppb	0.1191	2.6	34.2982
Ti 334.941	4.0791	ppb	0.3827	9.4	1344.56
Tl 190.794	0.1095	ppb	2.0824	1901.0	-5.5853
V 292.401	0.9277	ppb	0.0487	5.3	37.5569
Zn 206.200	11.0272	ppb	0.3554	3.2	23.1269

680-105001-e-1-aPDS (Samp) **9/12/2014, 11:11:13 PM** **Rack 3, Tube 48**

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

Label	Replicates Concentration		
Ag 328.068	48.2206	48.0998	47.9613
Al 308.215	2437.69	2433.72	2443.03
As 188.980	202.332	206.952	207.120
B 249.678	545.162	547.613	549.976
Ba 389.178	239.264	240.261	240.053
Be 313.042	54.9143	54.8479	54.9951
Ca 370.602	6427	6412	6436
Cd 226.502	54.1691	54.0563	54.7384
Co 228.615	216.207	214.674	215.376
Cr 267.716	217.587	216.907	218.805
Cu 324.754	231.575	229.869	229.767
Fe 271.441	2564.02	2555.07	2560.65
K 766.491	3594.01	3585.82	3600.83
Mg 279.078	2505.02	2504.26	2511.95
Mn 257.610	235.147	234.800	235.635
Mo 202.032	213.708	215.598	215.763
Na 330.237	3430.27	3598.06	3668.64
Ni 231.604	215.608	214.495	214.737
Pb 220.353	218.363	217.298	227.502
Sb 206.834	200.192	197.518	197.073
Se 196.026	210.616	216.563	214.248
Sn 189.925	218.288	215.809	213.365
Sr 216.596	232.314	232.270	233.368
Ti 334.941	231.114	231.545	231.235
Tl 190.794	211.599	207.022	204.235
V 292.401	219.932	218.543	219.823
Zn 206.200	259.513	257.344	258.392

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	48.0939	ppb	0.1298	0.3	2307.61
Al 308.215	2438.15	ppb	4.6739	0.2	14247.1

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
As 188.980	205.468	ppb	2.7169	1.3	91.4793
B 249.678	547.583	ppb	2.4069	0.4	7539.47
Ba 389.178	239.859	ppb	0.5256	0.2	5000.11
Be 313.042	54.9191	ppb	0.0737	0.1	125570
Ca 370.602	6425	ppb	12.04	0.2	23840
Cd 226.502	54.3212	ppb	0.3656	0.7	1590.80
Co 228.615	215.419	ppb	0.7673	0.4	1634.50
Cr 267.716	217.766	ppb	0.9616	0.4	5607.21
Cu 324.754	230.404	ppb	1.0158	0.4	11291.3
Fe 271.441	2559.91	ppb	4.5241	0.2	2261.89
K 766.491	3593.55	ppb	7.5151	0.2	459848
Mg 279.078	2507.08	ppb	4.2362	0.2	5363.86
Mn 257.610	235.194	ppb	0.4193	0.2	32495.0
Mo 202.032	215.023	ppb	1.1416	0.5	1184.70
Na 330.237	3565.66	ppb	122.441	3.4	256.806
Ni 231.604	214.947	ppb	0.5855	0.3	591.673
Pb 220.353	221.054	ppb	5.6089	2.5	212.709
Sb 206.834	198.261	ppb	1.6868	0.9	167.952
Se 196.026	213.809	ppb	2.9979	1.4	79.2128
Sn 189.925	215.820	ppb	2.4614	1.1	111.086
Sr 216.596	232.651	ppb	0.6213	0.3	1674.81
Ti 334.941	231.298	ppb	0.2225	0.1	81021.2
Tl 190.794	207.619	ppb	3.7182	1.8	106.021
V 292.401	219.433	ppb	0.7725	0.4	7004.82
Zn 206.200	258.416	ppb	1.0849	0.4	521.108

Cont Calib Verif (CCV) **9/12/2014, 11:15:43 PM** **Rack 3, Tube 49**

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

Label	Replicates Concentration		
Ag 328.068	494.605	487.526	490.366
Al 308.215	4868.62	4840.52	4841.85
As 188.980	476.241	481.547	478.125
B 249.678	506.855	504.265	505.216
Ba 389.178	4854.00	4826.88	4830.42
Be 313.042	494.011	491.870	494.384
Ca 370.602	4870	4844	4845
Cd 226.502	488.591	486.661	487.315
Co 228.615	489.454	487.667	486.014
Cr 267.716	4896.31	4863.73	4869.07
Cu 324.754	4969.79	4957.99	4885.89
Fe 271.441	4955.89	4910.42	4920.91
K 766.491	10032.9	9977.42	9977.59
Mg 279.078	4875.40	4845.74	4847.75
Mn 257.610	4964.30	4922.00	4948.87
Mo 202.032	488.376	486.204	488.780
Na 330.237	7367.15	7433.86	7253.85
Ni 231.604	2457.76	2444.33	2442.29
Pb 220.353	493.432	493.188	492.865
Sb 206.834	951.291	939.645	944.687
Se 196.026	4921.82	4928.90	4904.57
Sn 189.925	4810.38	4809.51	4787.14
Sr 216.596	2426.09	2413.50	2413.61
Ti 334.941	482.875	479.845	479.954

Label	Replicates Concentration		
Tl 190.794	4938.30	4914.79	4901.33
V 292.401	4889.96	4856.37	4864.34
Zn 206.200	2448.24	2429.13	2422.61

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Ag 328.068	490.832	ppb	3.5622	0.7	23751.0	98.16646
Al 308.215	4850.33	ppb	15.8549	0.3	28186.9	97.00661
As 188.980	478.637	ppb	2.6899	0.6	218.458	95.72749
B 249.678	505.445	ppb	1.3099	0.3	6970.20	101.08905
Ba 389.178	4837.10	ppb	14.7436	0.3	101253	96.74197
Be 313.042	493.422	ppb	1.3564	0.3	1154871	98.68435
Ca 370.602	4853	ppb	14.60	0.3	18032	97.06483
Cd 226.502	487.523	ppb	0.9815	0.2	14119.5	97.50451
Co 228.615	487.712	ppb	1.7204	0.4	3713.60	97.54237
Cr 267.716	4876.37	ppb	17.4719	0.4	125404	97.52739
Cu 324.754	4937.89	ppb	45.4162	0.9	237903	98.75777
Fe 271.441	4929.08	ppb	23.8103	0.5	4356.46	98.58150
K 766.491	9995.96	ppb	31.9647	0.3	1275858	99.95962
Mg 279.078	4856.30	ppb	16.5730	0.3	10361.3	97.12593
Mn 257.610	4945.06	ppb	21.4058	0.4	682511	98.90110
Mo 202.032	487.787	ppb	1.3859	0.3	2679.11	97.55739
Na 330.237	7351.62	ppb	91.0015	1.2	468.221	98.02158
Ni 231.604	2448.13	ppb	8.4030	0.3	6701.73	97.92514
Pb 220.353	493.162	ppb	0.2844	0.1	476.960	98.63234
Sb 206.834	945.207	ppb	5.8408	0.6	810.110	94.52074
Se 196.026	4918.43	ppb	12.5122	0.3	1697.60	98.36861
Sn 189.925	4802.34	ppb	13.1736	0.3	2569.25	96.04678
Sr 216.596	2417.74	ppb	7.2379	0.3	17381.3	96.70943
Ti 334.941	480.891	ppb	1.7190	0.4	168543	96.17823
Tl 190.794	4918.14	ppb	18.7079	0.4	2640.50	98.36279
V 292.401	4870.22	ppb	17.5493	0.4	156249	97.40440
Zn 206.200	2433.33	ppb	13.3195	0.5	4892.12	97.33305

Cont Calib Blank (CCB) **9/12/2014, 11:20:13 PM** **Rack 3, Tube 50**

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

Label	Replicates Concentration		
Ag 328.068	0.3436	0.2455	0.7241
Al 308.215	-6.8084u	-8.4509u	-7.7618u
As 188.980	-0.4226u	-0.9071u	0.8912
B 249.678	7.0894	6.2971	5.9355
Ba 389.178	-0.0358u	0.0178	0.3359
Be 313.042	0.0588	0.0372	0.0513
Ca 370.602	-2.811u	-0.4789u	2.814
Cd 226.502	0.1372	0.0856	0.1613
Co 228.615	-0.1041u	0.0386	0.0910
Cr 267.716	0.1919	-0.1335u	-0.1456u
Cu 324.754	0.8283	0.5347	0.5129
Fe 271.441	-3.6572u	0.0604	-7.7981u
K 766.491	-0.4722u	-0.4885u	-0.8737u
Mg 279.078	-1.5156u	0.0027	-3.9045u
Mn 257.610	0.2538	0.2083	0.1914
Mo 202.032	0.7154	1.2217	0.6266
Na 330.237	157.781	259.488	83.8769

Label	Replicates Concentration		
Ni 231.604	0.5321	1.4937	1.0082
Pb 220.353	-0.3272u	3.8436	-0.2192u
Sb 206.834	1.1795	3.3779	4.3003
Se 196.026	9.0582	21.2222	5.7564
Sn 189.925	-3.3353u	-2.4497u	-2.8822u
Sr 216.596	0.3655	0.6596	0.2523
Ti 334.941	0.1426	0.1272	0.1322
Tl 190.794	4.0384	-0.3510u	2.5579
V 292.401	0.4709	0.6490	0.3792
Zn 206.200	0.4532	-0.2611u	-0.6504u

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Ag 328.068	0.4377	ppb	0.2528	57.7	1.5231	0.43774
Al 308.215	-7.6737	ppb	0.8248	10.7	344.874	-7.67371
As 188.980	-0.1462	ppb	0.9305	636.5	-4.0940	-0.14619
B 249.678	6.4406	ppb	0.5902	9.2	119.040	6.44064
Ba 389.178	0.1060	ppb	0.2010	189.6	-30.4132	0.10597
Be 313.042	0.0491	ppb	0.0110	22.3	-3093.43	0.04909
Ca 370.602	-0.1588	ppb	2.826	1779.4	-2.000	-0.15881
Cd 226.502	0.1280	ppb	0.0386	30.2	17.7761	0.12803
Co 228.615	0.0085	ppb	0.1010	1190.7	-10.8128	0.00848
Cr 267.716	-0.0291	ppb	0.1915	658.9	6.5293	-0.02906
Cu 324.754	0.6253	ppb	0.1761	28.2	236.432	0.62530
Fe 271.441	-3.7983	ppb	3.9312	103.5	17.1573	-3.79830
K 766.491	-0.6114	ppb	0.2272	37.2	1758.89	-0.61143
Mg 279.078	-1.8058	ppb	1.9697	109.1	26.7755	-1.80581
Mn 257.610	0.2178	ppb	0.0323	14.8	46.7758	0.21784
Mo 202.032	0.8546	ppb	0.3210	37.6	9.8818	0.85456
Na 330.237	167.049	ppb	88.1713	52.8	62.2742	167.04854
Ni 231.604	1.0113	ppb	0.4808	47.5	6.2574	1.01135
Pb 220.353	1.0991	ppb	2.3774	216.3	0.8182	1.09910
Sb 206.834	2.9526	ppb	1.6033	54.3	8.5150	2.95256
Se 196.026	12.0123	ppb	8.1451	67.8	9.7252	12.01226Z
Sn 189.925	-2.8891	ppb	0.4429	15.3	-6.1325	-2.88907
Sr 216.596	0.4258	ppb	0.2103	49.4	3.9895	0.42578
Ti 334.941	0.1340	ppb	0.0078	5.8	-38.9602	0.13400
Tl 190.794	2.0818	ppb	2.2331	107.3	-4.5192	2.08176
V 292.401	0.4997	ppb	0.1372	27.5	23.7253	0.49970
Zn 206.200	-0.1527	ppb	0.5597	366.4	0.5996	-0.15275

680-105001-e-1-b ms (Samp) **9/12/2014, 11:24:42 PM** **Rack 3, Tube 51**

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

Label	Replicates Concentration		
Ag 328.068	52.6779	52.3455	52.0117
Al 308.215	5386.05	5389.02	5385.84
As 188.980	100.693	101.596	104.267
B 249.678	233.454	232.797	232.790
Ba 389.178	123.140	124.605	123.693
Be 313.042	50.4038	50.4126	50.3690
Ca 370.602	9684	9686	9701
Cd 226.502	51.0332	51.2765	51.6915
Co 228.615	51.4640	51.3698	50.7199
Cr 267.716	104.206	104.790	104.765

Label	Replicates Concentration		
Cu 324.754	114.281	113.309	113.370
Fe 271.441	5587.80	5574.20	5581.15
K 766.491	6778.12	6773.66	6779.42
Mg 279.078	5315.21	5319.82	5312.73
Mn 257.610	541.749	541.369	542.216
Mo 202.032	103.269	103.195	102.350
Na 330.237	6633.47	6550.81	6606.84
Ni 231.604	102.854	100.740	102.707
Pb 220.353	51.8217	56.5082	54.2396
Sb 206.834	56.3087	51.0952	53.4022
Se 196.026	88.7428	103.369	95.4272
Sn 189.925	200.659	202.172	202.729
Sr 216.596	120.039	120.401	120.804
Ti 334.941	124.002	124.130	123.013
Tl 190.794	39.6624	38.6017	37.2799
V 292.401	107.594	107.800	106.824
Zn 206.200	148.908	149.544	148.538

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	52.3451	ppb	0.3331	0.6	2513.74
Al 308.215	5386.97	ppb	1.7792	0.0	30966.6
As 188.980	102.185	ppb	1.8582	1.8	43.4414
B 249.678	233.014	ppb	0.3815	0.2	3222.52
Ba 389.178	123.813	ppb	0.7401	0.6	2582.69
Be 313.042	50.3951	ppb	0.0231	0.0	114948
Ca 370.602	9690	ppb	8.889	0.1	35886
Cd 226.502	51.3338	ppb	0.3329	0.6	1511.96
Co 228.615	51.1846	ppb	0.4052	0.8	380.320
Cr 267.716	104.587	ppb	0.3304	0.3	2696.80
Cu 324.754	113.653	ppb	0.5443	0.5	5667.83
Fe 271.441	5581.05	ppb	6.7998	0.1	4878.88
K 766.491	6777.07	ppb	3.0185	0.0	865598
Mg 279.078	5315.92	ppb	3.5959	0.1	11338.8
Mn 257.610	541.778	ppb	0.4246	0.1	74828.3
Mo 202.032	102.938	ppb	0.5109	0.5	569.511
Na 330.237	6597.04	ppb	42.1912	0.6	435.908
Ni 231.604	102.100	ppb	1.1803	1.2	283.031
Pb 220.353	54.1898	ppb	2.3437	4.3	51.6863
Sb 206.834	53.6020	ppb	2.6125	4.9	49.3885
Se 196.026	95.8464	ppb	7.3222	7.6	38.7477
Sn 189.925	201.853	ppb	1.0714	0.5	103.601
Sr 216.596	120.414	ppb	0.3828	0.3	871.887
Ti 334.941	123.715	ppb	0.6115	0.5	43304.9
Tl 190.794	38.5147	ppb	1.1936	3.1	14.7953
V 292.401	107.406	ppb	0.5146	0.5	3435.20
Zn 206.200	148.997	ppb	0.5088	0.3	300.980

680-105001-e-1-c msd (Samp) **9/12/2014, 11:29:12 PM** **Rack 3, Tube 52**

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

Label	Replicates Concentration		
Ag 328.068	52.0742	52.1935	51.5001
Al 308.215	5227.60	5225.89	5218.01
As 188.980	93.3876	94.0202	95.2539

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Label	Replicates Concentration		
B 249.678	222.693	223.214	222.678
Ba 389.178	119.139	117.950	118.554
Be 313.042	49.3572	49.3611	49.3542
Ca 370.602	9193	9142	9136
Cd 226.502	48.0598	48.4100	48.4115
Co 228.615	49.2763	48.1877	48.4906
Cr 267.716	99.2498	98.6373	99.2462
Cu 324.754	107.615	108.398	107.717
Fe 271.441	5366.62	5360.45	5364.87
K 766.491	6145.47	6147.24	6148.54
Mg 279.078	5052.98	5038.51	5047.46
Mn 257.610	513.795	513.919	513.423
Mo 202.032	98.8858	98.5130	96.7762
Na 330.237	6163.59	6310.08	6170.29
Ni 231.604	97.2693	96.4292	95.8631
Pb 220.353	52.7250	57.5723	52.4164
Sb 206.834	51.8439	52.5851	51.0349
Se 196.026	93.0703	107.607	92.5624
Sn 189.925	195.466	193.074	192.635
Sr 216.596	114.809	113.257	114.280
Ti 334.941	117.819	117.335	117.288
Tl 190.794	35.1873	41.2859	46.8754
V 292.401	102.462	101.909	101.557
Zn 206.200	141.141	142.766	143.438

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	51.9226	ppb	0.3707	0.7	2493.23
Al 308.215	5223.84	ppb	5.1155	0.1	30040.3
As 188.980	94.2206	ppb	0.9491	1.0	39.7410
B 249.678	222.862	ppb	0.3054	0.1	3083.46
Ba 389.178	118.548	ppb	0.5944	0.5	2471.35
Be 313.042	49.3575	ppb	0.0035	0.0	112515
Ca 370.602	9157	ppb	31.25	0.3	33910
Cd 226.502	48.2938	ppb	0.2026	0.4	1423.49
Co 228.615	48.6515	ppb	0.5619	1.2	360.954
Cr 267.716	99.0444	ppb	0.3526	0.4	2554.28
Cu 324.754	107.910	ppb	0.4256	0.4	5391.89
Fe 271.441	5363.98	ppb	3.1823	0.1	4689.90
K 766.491	6147.09	ppb	1.5382	0.0	785305
Mg 279.078	5046.32	ppb	7.3065	0.1	10765.2
Mn 257.610	513.712	ppb	0.2580	0.1	70953.0
Mo 202.032	98.0583	ppb	1.1259	1.1	542.759
Na 330.237	6214.66	ppb	82.7102	1.3	413.627
Ni 231.604	96.5206	ppb	0.7075	0.7	267.757
Pb 220.353	54.2379	ppb	2.8918	5.3	51.7452
Sb 206.834	51.8213	ppb	0.7754	1.5	47.9606
Se 196.026	97.7464	ppb	8.5429	8.7	39.3913
Sn 189.925	193.725	ppb	1.5238	0.8	99.2448
Sr 216.596	114.115	ppb	0.7888	0.7	826.352
Ti 334.941	117.481	ppb	0.2940	0.3	41118.4
Tl 190.794	41.1162	ppb	5.8459	14.2	16.2016
V 292.401	101.976	ppb	0.4565	0.4	3261.91
Zn 206.200	142.448	ppb	1.1807	0.8	287.795

mb 680-348501/1-a (Samp) **9/12/2014, 11:33:42 PM** **Rack 3, Tube 53**

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

Label	Replicates Concentration		
Ag 328.068	0.3323	0.6702	0.2963
Al 308.215	-6.0020u	-6.9482u	-6.3082u
As 188.980	-4.7256u	3.9876	8.4277
B 249.678	5.0562	4.5779	4.3887
Ba 389.178	-0.3700u	0.5611	0.7727
Be 313.042	0.0641	0.0387	0.0438
Ca 370.602	8.892	3.021	3.945
Cd 226.502	0.0927	0.2557	0.3400
Co 228.615	0.0482	0.0811	0.9223
Cr 267.716	-0.2399u	-0.1354u	-0.2269u
Cu 324.754	0.0253	0.4113	0.1674
Fe 271.441	-3.4375u	2.5126	-1.2042u
K 766.491	1.2411	0.8906	1.1013
Mg 279.078	2.2718	2.1165	2.0823
Mn 257.610	-0.0192u	0.0572	0.0404
Mo 202.032	0.3612	0.8280	-0.0113u
Na 330.237	139.686	216.125	4.7470
Ni 231.604	0.0074	1.5724	1.0852
Pb 220.353	0.1044	4.7671	0.1320
Sb 206.834	-3.0714u	-2.2134u	0.3936
Se 196.026	-0.9990u	17.4751	7.1647
Sn 189.925	-3.2292u	-2.6133u	1.1768
Sr 216.596	0.9289	0.0600	0.1845
Ti 334.941	0.0667	0.0651	0.0581
Tl 190.794	-1.9549u	-0.7352u	-2.6656u
V 292.401	-0.1365u	0.3955	0.0376
Zn 206.200	0.5694	1.6965	0.6243

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	0.4330	ppb	0.2062	47.6	1.2896
Al 308.215	-6.4195	ppb	0.4828	7.5	351.947
As 188.980	2.5632	ppb	6.6914	261.1	-2.8352
B 249.678	4.6743	ppb	0.3440	7.4	94.7559
Ba 389.178	0.3212	ppb	0.6079	189.2	-25.8918
Be 313.042	0.0489	ppb	0.0135	27.5	-3093.94
Ca 370.602	5.286	ppb	3.157	59.7	18.12
Cd 226.502	0.2294	ppb	0.1257	54.8	20.7183
Co 228.615	0.3505	ppb	0.4954	141.3	-8.1921
Cr 267.716	-0.2007	ppb	0.0569	28.4	2.1142
Cu 324.754	0.2014	ppb	0.1952	96.9	216.012
Fe 271.441	-0.7097	ppb	3.0057	423.5	19.8703
K 766.491	1.0777	ppb	0.1764	16.4	1974.17
Mg 279.078	2.1569	ppb	0.1010	4.7	35.2056
Mn 257.610	0.0261	ppb	0.0402	153.6	20.3530
Mo 202.032	0.3926	ppb	0.4205	107.1	7.3471
Na 330.237	120.186	ppb	107.030	89.1	59.5114
Ni 231.604	0.8884	ppb	0.8009	90.1	5.9210
Pb 220.353	1.6678	ppb	2.6840	160.9	1.3670
Sb 206.834	-1.6304	ppb	1.8046	110.7	4.7284
Se 196.026	7.8803	ppb	9.2578	117.5	8.3044
Sn 189.925	-1.5552	ppb	2.3860	153.4	-5.4176
Sr 216.596	0.3911	ppb	0.4699	120.1	3.7490

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ti 334.941	0.0633	ppb	0.0046	7.2	-63.7270
Tl 190.794	-1.7852	ppb	0.9763	54.7	-6.5966
V 292.401	0.0989	ppb	0.2712	274.3	10.9444
Zn 206.200	0.9634	ppb	0.6355	66.0	2.8489

lcs 680-348501/2-a (Samp) **9/12/2014, 11:38:12 PM** **Rack 3, Tube 54**

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

Label	Replicates Concentration		
Ag 328.068	50.7002	50.9461	51.7830
Al 308.215	4823.46	4827.83	4837.88
As 188.980	99.4098	107.804	104.245
B 249.678	196.217	196.881	197.094
Ba 389.178	96.0306	95.1801	96.6895
Be 313.042	48.8981	48.8968	49.0212
Ca 370.602	4736	4736	4747
Cd 226.502	49.8611	49.4467	49.3508
Co 228.615	49.3209	48.2481	49.5433
Cr 267.716	98.0372	98.5575	98.3478
Cu 324.754	98.5241	99.1108	98.9787
Fe 271.441	4949.98	4934.32	4947.08
K 766.491	5135.15	5134.67	5154.63
Mg 279.078	4805.54	4797.18	4805.80
Mn 257.610	506.051	505.312	506.936
Mo 202.032	97.2646	95.2008	96.5652
Na 330.237	4832.25	4939.74	5009.41
Ni 231.604	97.9833	99.0208	97.9887
Pb 220.353	52.3274	50.4058	47.9572
Sb 206.834	41.2854	47.1106	52.7745
Se 196.026	101.342	100.961	95.5626
Sn 189.925	194.654	192.347	201.149
Sr 216.596	96.5334	95.3008	96.4012
Ti 334.941	97.0072	96.9479	97.1855
Tl 190.794	29.4766	42.0606	38.0961
V 292.401	98.4490	98.1758	97.8822
Zn 206.200	98.8875	97.5762	99.6297

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	51.1431	ppb	0.5676	1.1	2455.55
Al 308.215	4829.72	ppb	7.3928	0.2	27803.8
As 188.980	103.820	ppb	4.2134	4.1	44.2038
B 249.678	196.731	ppb	0.4575	0.2	2725.40
Ba 389.178	95.9667	ppb	0.7567	0.8	1997.32
Be 313.042	48.9387	ppb	0.0715	0.1	111531
Ca 370.602	4740	ppb	6.598	0.1	17529
Cd 226.502	49.5529	ppb	0.2712	0.5	1458.86
Co 228.615	49.0375	ppb	0.6926	1.4	363.622
Cr 267.716	98.3142	ppb	0.2618	0.3	2535.51
Cu 324.754	98.8712	ppb	0.3077	0.3	4961.29
Fe 271.441	4943.79	ppb	8.3289	0.2	4324.35
K 766.491	5141.48	ppb	11.3852	0.2	657137
Mg 279.078	4802.84	ppb	4.8999	0.1	10247.6
Mn 257.610	506.100	ppb	0.8130	0.2	69900.1
Mo 202.032	96.3436	ppb	1.0496	1.1	533.385

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Na 330.237	4927.14	ppb	89.2465	1.8	338.475
Ni 231.604	98.3309	ppb	0.5975	0.6	272.695
Pb 220.353	50.2302	ppb	2.1904	4.4	47.9055
Sb 206.834	47.0568	ppb	5.7448	12.2	44.0409
Se 196.026	99.2886	ppb	3.2324	3.3	39.8926
Sn 189.925	196.050	ppb	4.5642	2.3	100.490
Sr 216.596	96.0785	ppb	0.6767	0.7	694.831
Ti 334.941	97.0469	ppb	0.1237	0.1	33953.0
Tl 190.794	36.5444	ppb	6.4339	17.6	13.7715
V 292.401	98.1690	ppb	0.2834	0.3	3139.48
Zn 206.200	98.6978	ppb	1.0398	1.1	199.638

180-36531-b-1-a (Samp) **9/12/2014, 11:42:42 PM** **Rack 3, Tube 55**

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

Label	Replicates Concentration		
Ag 328.068	0.1617	-0.0615u	-0.3648u
Al 308.215	27.7892	26.1450	25.9604
As 188.980	5.4532	5.1420	1.3250
B 249.678	72.0397	72.1253	72.0913
Ba 389.178	22.0850	22.7970	22.5835
Be 313.042	0.0068	0.0188	0.0227
Ca 370.602	22798	22768	22752
Cd 226.502	0.1886	0.2161	-0.1586u
Co 228.615	-0.1475u	-0.1112u	0.4142
Cr 267.716	-0.0322u	0.1520	-0.1754u
Cu 324.754	22.7464	22.4514	22.3161
Fe 271.441	22.0076	30.4777	20.1169
K 766.491	4106.67	4103.11	4113.58
Mg 279.078	6220.86	6211.22	6211.35
Mn 257.610	8.1028	8.0526	8.1841
Mo 202.032	2.5893	1.5028	1.6758
Na 330.237	36952.6	37477.9	37518.0
Ni 231.604	1.0281	2.2572	0.8207
Pb 220.353	20.5902	14.6357	14.9466
Sb 206.834	-2.7887u	-3.4809u	8.2776
Se 196.026	-3.4700u	4.5038	8.7311
Sn 189.925	-1.7222u	4.9060	1.4372
Sr 216.596	123.177	123.286	123.998
Ti 334.941	0.2552	0.2623	0.2597
Tl 190.794	-3.9277u	-6.2335u	-3.4825u
V 292.401	0.0930	0.2893	0.1476
Zn 206.200	123.759	122.959	123.421

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.0882	ppb	0.2643	299.6	-23.9787
Al 308.215	26.6315	ppb	1.0068	3.8	539.580
As 188.980	3.9734	ppb	2.2989	57.9	-2.1797
B 249.678	72.0854	ppb	0.0431	0.1	1019.07
Ba 389.178	22.4885	ppb	0.3654	1.6	453.622
Be 313.042	0.0161	ppb	0.0083	51.3	-3166.76
Ca 370.602	22773	ppb	23.04	0.1	84452
Cd 226.502	0.0820	ppb	0.2089	254.6	16.4313
Co 228.615	0.0518	ppb	0.3143	606.5	-10.4971

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Cr 267.716	-0.0185	ppb	0.1641	886.9	7.1019
Cu 324.754	22.5046	ppb	0.2201	1.0	1268.19
Fe 271.441	24.2007	ppb	5.5176	22.8	41.5404
K 766.491	4107.79	ppb	5.3219	0.1	525389
Mg 279.078	6214.48	ppb	5.5316	0.1	13263.1
Mn 257.610	8.1132	ppb	0.0663	0.8	1171.61
Mo 202.032	1.9227	ppb	0.5838	30.4	15.7406
Na 330.237	37316.2	ppb	315.459	0.8	2248.33
Ni 231.604	1.3687	ppb	0.7765	56.7	7.2360
Pb 220.353	16.7242	ppb	3.3517	20.0	15.8901
Sb 206.834	0.6693	ppb	6.5980	985.8	6.6077
Se 196.026	3.2550	ppb	6.1957	190.3	6.8321
Sn 189.925	1.5403	ppb	3.3153	215.2	-3.7513
Sr 216.596	123.487	ppb	0.4461	0.4	897.581
Ti 334.941	0.2591	ppb	0.0036	1.4	14.8865
Tl 190.794	-4.5479	ppb	1.4766	32.5	-8.0816
V 292.401	0.1767	ppb	0.1013	57.4	12.8730
Zn 206.200	123.380	ppb	0.4015	0.3	249.496

180-36531-b-1-aSD^5 (Samp) **9/12/2014, 11:47:11 PM** **Rack 3, Tube 56**

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

Label	Replicates Concentration		
Ag 328.068	-0.0132u	0.3384	-0.2074u
Al 308.215	-2.3872u	-1.2381u	-0.6767u
As 188.980	-0.4051u	-8.8477u	3.7773
B 249.678	15.7824	15.8530	15.3310
Ba 389.178	4.8842	3.9509	4.6819
Be 313.042	0.0142	0.0207	0.0398
Ca 370.602	4519	4505	4510
Cd 226.502	-0.0955u	0.2212	-0.0577u
Co 228.615	0.2813	0.3268	-0.0021u
Cr 267.716	-0.3047u	-0.3873u	-0.2862u
Cu 324.754	4.8982	4.7108	4.4737
Fe 271.441	-4.4346u	6.8895	14.3926
K 766.491	752.994	752.200	748.880
Mg 279.078	1227.77	1231.24	1231.70
Mn 257.610	1.5172	1.4994	1.4983
Mo 202.032	0.1460	0.5009	0.3671
Na 330.237	7233.94	7503.71	7144.29
Ni 231.604	2.6233	2.3163	0.6237
Pb 220.353	4.4873	3.7157	2.9906
Sb 206.834	3.5711	-5.6335u	-3.5025u
Se 196.026	-3.0166u	-0.9661u	1.6300
Sn 189.925	-4.8692u	-0.6911u	-1.5215u
Sr 216.596	22.9665	24.3374	24.3025
Ti 334.941	0.1089	0.1231	0.1412
Tl 190.794	-1.3006u	0.8004	4.1174
V 292.401	-0.0617u	-0.0870u	0.0407
Zn 206.200	24.9386	25.1360	24.3127

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	0.0393	ppb	0.2766	704.4	-17.7662
Al 308.215	-1.4340	ppb	0.8719	60.8	380.223

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
As 188.980	-1.8252	ppb	6.4311	352.4	-4.8744
B 249.678	15.6555	ppb	0.2832	1.8	245.329
Ba 389.178	4.5057	ppb	0.4909	10.9	64.7680
Be 313.042	0.0249	ppb	0.0133	53.4	-3149.30
Ca 370.602	4512	ppb	7.313	0.2	16730
Cd 226.502	0.0227	ppb	0.1730	763.3	14.7463
Co 228.615	0.2020	ppb	0.1782	88.2	-9.3237
Cr 267.716	-0.3261	ppb	0.0538	16.5	-1.0497
Cu 324.754	4.6942	ppb	0.2127	4.5	428.038
Fe 271.441	5.6158	ppb	9.4780	168.8	25.3701
K 766.491	751.358	ppb	2.1828	0.3	97600.1
Mg 279.078	1230.24	ppb	2.1478	0.2	2650.15
Mn 257.610	1.5050	ppb	0.0106	0.7	231.404
Mo 202.032	0.3380	ppb	0.1792	53.0	7.0468
Na 330.237	7293.98	ppb	187.082	2.6	481.657
Ni 231.604	1.8544	ppb	1.0769	58.1	8.5645
Pb 220.353	3.7312	ppb	0.7485	20.1	3.3573
Sb 206.834	-1.8550	ppb	4.8184	259.8	4.5426
Se 196.026	-0.7842	ppb	2.3286	296.9	5.3485
Sn 189.925	-2.3606	ppb	2.2119	93.7	-5.8479
Sr 216.596	23.8688	ppb	0.7816	3.3	174.238
Ti 334.941	0.1244	ppb	0.0162	13.0	-40.3334
Tl 190.794	1.2057	ppb	2.7316	226.6	-4.9903
V 292.401	-0.0360	ppb	0.0676	187.9	6.5995
Zn 206.200	24.7958	ppb	0.4299	1.7	50.8675

180-36531-b-1-aPDS (Samp) **9/12/2014, 11:51:41 PM** **Rack 3, Tube 57**

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

Label	Replicates Concentration		
Ag 328.068	34.4954	34.1732	34.2640
Al 308.215	2178.92	2177.47	2180.23
As 188.980	215.547	207.188	215.187
B 249.678	588.116	590.400	592.475
Ba 389.178	236.862	236.133	236.608
Be 313.042	54.3919	54.3842	54.3567
Ca 370.602	24512	24533	24536
Cd 226.502	54.9984	54.9039	54.9867
Co 228.615	216.282	216.575	216.013
Cr 267.716	216.091	215.447	215.697
Cu 324.754	243.893	242.235	241.840
Fe 271.441	2207.09	2202.10	2200.40
K 766.491	6422.18	6416.91	6417.47
Mg 279.078	8335.64	8344.11	8341.22
Mn 257.610	232.924	233.018	233.240
Mo 202.032	211.956	212.278	211.171
Na 330.237	39462.4	39351.3	39476.7
Ni 231.604	214.257	219.043	216.372
Pb 220.353	229.777	234.060	232.824
Sb 206.834	209.124	202.327	209.026
Se 196.026	202.814	213.695	211.110
Sn 189.925	214.252	217.900	218.103
Sr 216.596	335.909	336.457	337.968
Ti 334.941	213.064	212.981	212.962

Label	Replicates Concentration		
Tl 190.794	214.301	208.017	205.945
V 292.401	215.245	215.019	215.055
Zn 206.200	337.440	340.478	342.050

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	34.3109	ppb	0.1661	0.5	1640.85
Al 308.215	2178.87	ppb	1.3825	0.1	12775.5
As 188.980	212.641	ppb	4.7256	2.2	94.8139
B 249.678	590.330	ppb	2.1800	0.4	8125.90
Ba 389.178	236.534	ppb	0.3701	0.2	4944.34
Be 313.042	54.3776	ppb	0.0185	0.0	124303
Ca 370.602	24527	ppb	13.29	0.1	90974
Cd 226.502	54.9630	ppb	0.0515	0.1	1608.37
Co 228.615	216.290	ppb	0.2810	0.1	1640.94
Cr 267.716	215.745	ppb	0.3245	0.2	5555.54
Cu 324.754	242.656	ppb	1.0890	0.4	11864.3
Fe 271.441	2203.20	ppb	3.4748	0.2	1951.59
K 766.491	6418.86	ppb	2.8921	0.0	819943
Mg 279.078	8340.33	ppb	4.3065	0.1	17785.3
Mn 257.610	233.060	ppb	0.1622	0.1	32232.8
Mo 202.032	211.802	ppb	0.5697	0.3	1167.06
Na 330.237	39430.1	ppb	68.6278	0.2	2367.84
Ni 231.604	216.557	ppb	2.3982	1.1	596.067
Pb 220.353	232.220	ppb	2.2045	0.9	223.502
Sb 206.834	206.826	ppb	3.8965	1.9	175.081
Se 196.026	209.206	ppb	5.6851	2.7	77.7180
Sn 189.925	216.752	ppb	2.1674	1.0	111.592
Sr 216.596	336.778	ppb	1.0661	0.3	2430.41
Ti 334.941	213.002	ppb	0.0542	0.0	74615.3
Tl 190.794	209.421	ppb	4.3515	2.1	107.012
V 292.401	215.106	ppb	0.1212	0.1	6865.98
Zn 206.200	339.989	ppb	2.3432	0.7	685.460

180-36531-b-1-b ms (Samp) **9/12/2014, 11:56:11 PM** **Rack 3, Tube 58**

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

Label	Replicates Concentration		
Ag 328.068	51.5028	51.7768	51.5338
Al 308.215	4964.09	4964.52	4971.35
As 188.980	104.769	100.636	99.9439
B 249.678	269.656	270.846	271.834
Ba 389.178	118.847	117.630	117.848
Be 313.042	49.4988	49.5007	49.4429
Ca 370.602	27578	27574	27601
Cd 226.502	49.4425	49.5203	49.5139
Co 228.615	50.1431	49.5807	49.6085
Cr 267.716	98.4605	98.8139	98.8219
Cu 324.754	122.538	122.324	122.696
Fe 271.441	4941.36	4966.37	4974.48
K 766.491	9438.12	9440.63	9424.92
Mg 279.078	11139.7	11147.9	11125.6
Mn 257.610	517.535	517.037	516.796
Mo 202.032	99.6074	100.292	99.1903
Na 330.237	42905.0	42604.6	42928.7

Label	Replicates Concentration		
Ni 231.604	99.1411	99.7047	100.739
Pb 220.353	56.9520	54.6470	56.1221
Sb 206.834	46.9007	53.9366	49.9993
Se 196.026	103.833	96.6613	104.663
Sn 189.925	196.615	187.331	193.254
Sr 216.596	220.161	219.499	220.028
Ti 334.941	97.8295	97.9009	97.8376
Tl 190.794	39.7335	28.3865	42.2340
V 292.401	98.9592	98.6541	99.0018
Zn 206.200	221.639	220.808	219.888

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	51.6045	ppb	0.1501	0.3	2477.82
Al 308.215	4966.65	ppb	4.0725	0.1	28581.0
As 188.980	101.783	ppb	2.6091	2.6	43.2580
B 249.678	270.779	ppb	1.0901	0.4	3740.69
Ba 389.178	118.109	ppb	0.6486	0.5	2476.64
Be 313.042	49.4808	ppb	0.0328	0.1	112805
Ca 370.602	27584	ppb	14.50	0.1	102249
Cd 226.502	49.4922	ppb	0.0432	0.1	1457.11
Co 228.615	49.7775	ppb	0.3170	0.6	369.231
Cr 267.716	98.6988	ppb	0.2064	0.2	2545.71
Cu 324.754	122.519	ppb	0.1870	0.2	6078.16
Fe 271.441	4960.74	ppb	17.2631	0.3	4339.19
K 766.491	9434.55	ppb	8.4403	0.1	1204305
Mg 279.078	11137.8	ppb	11.2712	0.1	23736.5
Mn 257.610	517.123	ppb	0.3771	0.1	71457.3
Mo 202.032	99.6966	ppb	0.5562	0.6	551.779
Na 330.237	42812.8	ppb	180.650	0.4	2567.87
Ni 231.604	99.8615	ppb	0.8103	0.8	276.884
Pb 220.353	55.9070	ppb	1.1675	2.1	53.3735
Sb 206.834	50.2789	ppb	3.5262	7.0	46.6565
Se 196.026	101.719	ppb	4.3999	4.3	40.8476
Sn 189.925	192.400	ppb	4.7008	2.4	98.5417
Sr 216.596	219.896	ppb	0.3504	0.2	1593.85
Ti 334.941	97.8560	ppb	0.0391	0.0	34246.9
Tl 190.794	36.7847	ppb	7.3797	20.1	13.8999
V 292.401	98.8717	ppb	0.1896	0.2	3161.05
Zn 206.200	220.779	ppb	0.8761	0.4	445.608

180-36531-b-1-c msd (Samp) **9/13/2014, 12:00:41 AM** **Rack 3, Tube 59**

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

Label	Replicates Concentration		
Ag 328.068	50.6734	50.6051	50.5085
Al 308.215	4863.66	4853.68	4852.22
As 188.980	99.2473	100.361	93.3416
B 249.678	262.747	262.856	263.386
Ba 389.178	115.556	113.945	115.036
Be 313.042	48.2333	48.1971	48.1960
Ca 370.602	27012	27014	27007
Cd 226.502	48.3011	48.3022	48.2624
Co 228.615	48.9926	48.2105	48.2641
Cr 267.716	97.4618	97.2817	97.2648

Label	Replicates Concentration		
Cu 324.754	119.815	119.770	119.835
Fe 271.441	4842.58	4829.85	4855.40
K 766.491	9236.96	9225.77	9232.93
Mg 279.078	10912.4	10885.5	10886.2
Mn 257.610	504.527	504.281	504.478
Mo 202.032	95.6972	96.1345	96.5669
Na 330.237	42002.1	42296.7	42178.2
Ni 231.604	96.3115	94.5418	96.4277
Pb 220.353	50.9249	51.9144	52.7480
Sb 206.834	48.0257	49.0577	48.5872
Se 196.026	96.1065	90.1387	100.123
Sn 189.925	190.264	189.691	192.097
Sr 216.596	215.998	214.999	216.220
Ti 334.941	95.3600	95.3547	95.3651
Tl 190.794	32.0544	43.5326	38.9944
V 292.401	96.6621	96.3837	96.1994
Zn 206.200	215.262	215.693	213.908

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	50.5957	ppb	0.0828	0.2	2428.99
Al 308.215	4856.52	ppb	6.2304	0.1	27955.7
As 188.980	97.6499	ppb	3.7725	3.9	41.3375
B 249.678	262.996	ppb	0.3416	0.1	3634.07
Ba 389.178	114.845	ppb	0.8225	0.7	2407.52
Be 313.042	48.2088	ppb	0.0212	0.0	109823
Ca 370.602	27011	ppb	3.378	0.0	100124
Cd 226.502	48.2886	ppb	0.0227	0.0	1422.03
Co 228.615	48.4891	ppb	0.4369	0.9	359.413
Cr 267.716	97.3361	ppb	0.1092	0.1	2510.67
Cu 324.754	119.807	ppb	0.0331	0.0	5948.10
Fe 271.441	4842.61	ppb	12.7730	0.3	4236.32
K 766.491	9231.88	ppb	5.6654	0.1	1178474
Mg 279.078	10894.7	ppb	15.2865	0.1	23219.2
Mn 257.610	504.429	ppb	0.1300	0.0	69703.8
Mo 202.032	96.1328	ppb	0.4349	0.5	532.236
Na 330.237	42159.0	ppb	148.256	0.4	2529.50
Ni 231.604	95.7603	ppb	1.0568	1.1	265.659
Pb 220.353	51.8624	ppb	0.9126	1.8	49.4802
Sb 206.834	48.5569	ppb	0.5166	1.1	45.2816
Se 196.026	95.4562	ppb	5.0239	5.3	38.6879
Sn 189.925	190.684	ppb	1.2567	0.7	97.6220
Sr 216.596	215.739	ppb	0.6505	0.3	1563.80
Ti 334.941	95.3599	ppb	0.0052	0.0	33371.2
Tl 190.794	38.1938	ppb	5.7808	15.1	14.6617
V 292.401	96.4151	ppb	0.2330	0.2	3082.89
Zn 206.200	214.954	ppb	0.9313	0.4	433.874

180-36531-b-2-a (Samp) **9/13/2014, 12:05:10 AM** **Rack 3, Tube 60**

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

Label	Replicates Concentration		
Ag 328.068	0.6064	0.0308	0.3026
Al 308.215	38.0275	35.1889	32.8951
As 188.980	3.3161	-2.4974u	-1.9113u

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Label	Replicates Concentration		
B 249.678	78.1235	77.7856	77.3241
Ba 389.178	35.9825	37.0777	36.1478
Be 313.042	0.0053	0.0123	0.0127
Ca 370.602	29363	29379	29399
Cd 226.502	0.2438	0.1137	-0.0868u
Co 228.615	0.1724	1.0515	-0.1013u
Cr 267.716	-0.1741u	0.2981	0.0568
Cu 324.754	14.6702	14.9957	14.4707
Fe 271.441	31.4945	31.9782	23.1993
K 766.491	2647.53	2646.40	2646.64
Mg 279.078	8711.30	8718.72	8737.74
Mn 257.610	26.6773	26.6050	26.6485
Mo 202.032	1.7832	2.1868	2.2631
Na 330.237	28935.6	28881.9	28699.4
Ni 231.604	2.0197	2.3377	3.3410
Pb 220.353	1.2642	4.5579	0.5425
Sb 206.834	-1.4761u	2.7144	-3.2049u
Se 196.026	-5.4794u	-1.9976u	2.7979
Sn 189.925	-2.2354u	0.2380	0.1933
Sr 216.596	160.305	161.450	162.218
Ti 334.941	0.1877	0.1230	0.1319
Tl 190.794	-5.8850u	5.5964	-2.9625u
V 292.401	0.3302	0.4308	0.1090
Zn 206.200	135.787	133.467	134.898

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	0.3133	ppb	0.2880	91.9	-4.5300
Al 308.215	35.3705	ppb	2.5710	7.3	589.179
As 188.980	-0.3642	ppb	3.2007	878.8	-4.1953
B 249.678	77.7444	ppb	0.4013	0.5	1096.61
Ba 389.178	36.4027	ppb	0.5905	1.6	751.141
Be 313.042	0.0101	ppb	0.0042	41.4	-3177.24
Ca 370.602	29380	ppb	18.05	0.1	108957
Cd 226.502	0.0902	ppb	0.1666	184.6	16.7418
Co 228.615	0.3742	ppb	0.6023	161.0	-8.0385
Cr 267.716	0.0602	ppb	0.2361	392.0	9.0601
Cu 324.754	14.7122	ppb	0.2650	1.8	886.643
Fe 271.441	28.8907	ppb	4.9348	17.1	45.5963
K 766.491	2646.86	ppb	0.5966	0.0	339188
Mg 279.078	8722.59	ppb	13.6379	0.2	18603.6
Mn 257.610	26.6436	ppb	0.0364	0.1	3743.21
Mo 202.032	2.0777	ppb	0.2578	12.4	16.5906
Na 330.237	28839.0	ppb	123.776	0.4	1749.37
Ni 231.604	2.5661	ppb	0.6897	26.9	10.5125
Pb 220.353	2.1216	ppb	2.1406	100.9	1.8017
Sb 206.834	-0.6555	ppb	3.0438	464.3	5.5092
Se 196.026	-1.5597	ppb	4.1560	266.5	5.2130
Sn 189.925	-0.6014	ppb	1.4153	235.4	-4.9008
Sr 216.596	161.324	ppb	0.9624	0.6	1172.21
Ti 334.941	0.1475	ppb	0.0351	23.8	-18.2739
Tl 190.794	-1.0837	ppb	5.9668	550.6	-6.2186
V 292.401	0.2900	ppb	0.1646	56.8	16.5804
Zn 206.200	134.718	ppb	1.1704	0.9	272.339

Cont Calib Verif (CCV) **9/13/2014, 12:09:41 AM** **Rack 4, Tube 1**

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

Label	Replicates Concentration		
Ag 328.068	490.462	489.756	489.632
Al 308.215	4843.33	4839.13	4843.62
As 188.980	477.291	466.528	495.449
B 249.678	502.083	501.651	502.520
Ba 389.178	4827.60	4821.47	4826.04
Be 313.042	491.840	491.555	492.888
Ca 370.602	4848	4845	4844
Cd 226.502	486.792	487.610	488.513
Co 228.615	489.920	488.421	488.178
Cr 267.716	4863.94	4863.08	4870.98
Cu 324.754	4952.58	4930.37	4961.68
Fe 271.441	4936.88	4932.24	4952.48
K 766.491	10004.7	9997.77	10007.8
Mg 279.078	4865.29	4853.54	4854.25
Mn 257.610	4943.55	4926.78	4948.03
Mo 202.032	486.232	488.125	490.235
Na 330.237	7318.47	7317.90	7386.42
Ni 231.604	2450.49	2440.36	2456.02
Pb 220.353	492.011	500.484	498.256
Sb 206.834	937.134	942.329	947.603
Se 196.026	4955.43	4922.67	4937.52
Sn 189.925	4819.25	4815.53	4836.06
Sr 216.596	2416.57	2412.14	2412.74
Ti 334.941	480.580	479.370	480.215
Tl 190.794	4919.72	4893.12	4917.10
V 292.401	4866.93	4855.18	4865.82
Zn 206.200	2433.86	2436.56	2442.60

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Ag 328.068	489.950	ppb	0.4480	0.1	23708.3	97.98999
Al 308.215	4842.03	ppb	2.5165	0.1	28139.3	96.84052
As 188.980	479.756	ppb	14.6171	3.0	218.978	95.95118
B 249.678	502.085	ppb	0.4344	0.1	6924.07	100.41692
Ba 389.178	4825.04	ppb	3.1871	0.1	101001	96.50070
Be 313.042	492.094	ppb	0.7024	0.1	1151756	98.41885
Ca 370.602	4845	ppb	1.816	0.0	18004	96.90958
Cd 226.502	487.638	ppb	0.8606	0.2	14122.8	97.52766
Co 228.615	488.840	ppb	0.9434	0.2	3722.19	97.76794
Cr 267.716	4866.00	ppb	4.3345	0.1	125137	97.31996
Cu 324.754	4948.21	ppb	16.1037	0.3	238400	98.96422
Fe 271.441	4940.53	ppb	10.6013	0.2	4366.41	98.81062
K 766.491	10003.4	ppb	5.1315	0.1	1276810	100.03427
Mg 279.078	4857.69	ppb	6.5839	0.1	10364.3	97.15388
Mn 257.610	4939.45	ppb	11.1998	0.2	681738	98.78904
Mo 202.032	488.197	ppb	2.0026	0.4	2681.37	97.63947
Na 330.237	7340.93	ppb	39.3925	0.5	467.600	97.87906
Ni 231.604	2448.96	ppb	7.9413	0.3	6704.00	97.95829
Pb 220.353	496.917	ppb	4.3921	0.9	480.577	99.38340
Sb 206.834	942.355	ppb	5.2349	0.6	807.669	94.23555
Se 196.026	4938.54	ppb	16.4037	0.3	1704.51	98.77071
Sn 189.925	4823.61	ppb	10.9358	0.2	2580.65	96.47223
Sr 216.596	2413.82	ppb	2.4030	0.1	17353.0	96.55276

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Ti 334.941	480.055	ppb	0.6207	0.1	168250	96.01102
Tl 190.794	4909.98	ppb	14.6619	0.3	2636.10	98.19959
V 292.401	4862.64	ppb	6.4899	0.1	156006	97.25286
Zn 206.200	2437.67	ppb	4.4729	0.2	4900.90	97.50691

Cont Calib Blank (CCB) **9/13/2014, 12:14:11 AM** **Rack 4, Tube 2**

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

Label	Replicates Concentration		
Ag 328.068	0.4733	0.0288	0.0112
Al 308.215	-6.2097u	-9.4857u	-5.9923u
As 188.980	-1.5478u	4.7419	-0.9962u
B 249.678	6.9037	5.9275	6.1327
Ba 389.178	0.2321	0.0730	1.2559
Be 313.042	0.0436	0.0694	0.0443
Ca 370.602	4.274	-0.5812u	-1.159u
Cd 226.502	0.2269	-0.0022u	0.1786
Co 228.615	0.1947	0.1383	0.1429
Cr 267.716	0.0789	0.1978	0.2245
Cu 324.754	0.8676	0.3831	0.4916
Fe 271.441	6.8932	2.2697	1.0485
K 766.491	-0.1771u	-0.4605u	-0.6320u
Mg 279.078	-1.8321u	-3.2279u	-1.2516u
Mn 257.610	0.2771	0.2738	0.1418
Mo 202.032	0.8479	1.0567	0.7883
Na 330.237	82.2501	23.9183	235.913
Ni 231.604	2.3531	2.3733	-0.0911u
Pb 220.353	-2.6373u	-0.0967u	1.3225
Sb 206.834	3.1479	-2.2637u	4.6218
Se 196.026	11.1027	-5.6635u	-0.9680u
Sn 189.925	1.2193	5.2055	2.4514
Sr 216.596	0.7663	-0.3057u	0.8244
Ti 334.941	0.2096	0.1211	0.1397
Tl 190.794	7.1190	-0.4946u	5.6433
V 292.401	0.4267	0.3546	0.2010
Zn 206.200	-0.0063u	-0.0332u	0.7060

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Ag 328.068	0.1711	ppb	0.2619	153.0	-11.3752	0.17111
Al 308.215	-7.2292	ppb	1.9572	27.1	347.394	-7.22923
As 188.980	0.7326	ppb	3.4831	475.4	-3.6857	0.73260
B 249.678	6.3213	ppb	0.5147	8.1	117.389	6.32131
Ba 389.178	0.5203	ppb	0.6420	123.4	-21.7299	0.52032
Be 313.042	0.0525	ppb	0.0147	28.0	-3085.58	0.05246
Ca 370.602	0.8447	ppb	2.984	353.3	1.643	0.84473
Cd 226.502	0.1344	ppb	0.1208	89.9	17.9757	0.13440
Co 228.615	0.1586	ppb	0.0314	19.8	-9.6672	0.15863
Cr 267.716	0.1671	ppb	0.0775	46.4	11.5756	0.16707
Cu 324.754	0.5808	ppb	0.2543	43.8	234.292	0.58077
Fe 271.441	3.4038	ppb	3.0829	90.6	23.4481	3.40382
K 766.491	-0.4232	ppb	0.2298	54.3	1782.88	-0.42321
Mg 279.078	-2.1039	ppb	1.0158	48.3	26.1289	-2.10386
Mn 257.610	0.2309	ppb	0.0772	33.4	48.5925	0.23092
Mo 202.032	0.8976	ppb	0.1410	15.7	10.1178	0.89764

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Na 330.237	114.027	ppb	109.512	96.0	59.1490	114.02726
Ni 231.604	1.5451	ppb	1.4170	91.7	7.7179	1.54508
Pb 220.353	-0.4705	ppb	2.0062	426.4	-0.6963	-0.47050
Sb 206.834	1.8353	ppb	3.6255	197.5	7.5898	1.83532
Se 196.026	1.4904	ppb	8.6492	580.3	6.1072	1.49041
Sn 189.925	2.9587	ppb	2.0410	69.0	-2.9983	2.95873
Sr 216.596	0.4283	ppb	0.6364	148.6	3.9909	0.42830
Ti 334.941	0.1568	ppb	0.0466	29.7	-30.9571	0.15681
Tl 190.794	4.0893	ppb	4.0377	98.7	-3.4410	4.08927
V 292.401	0.3274	ppb	0.1153	35.2	18.1455	0.32744
Zn 206.200	0.2221	ppb	0.4192	188.7	1.3546	0.22215

180-36531-b-3-a (Samp) **9/13/2014, 12:18:42 AM** **Rack 4, Tube 3**

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

Label	Replicates Concentration		
Ag 328.068	0.3258	-0.0989u	-0.0015u
Al 308.215	67.1431	66.4350	65.0388
As 188.980	2.7864	-3.9781u	0.2364
B 249.678	73.3542	73.5413	74.8244
Ba 389.178	39.5526	38.7484	39.9086
Be 313.042	0.0066	-0.0009	0.0119
Ca 370.602	30003	30001	30017
Cd 226.502	0.1888	0.0649	-0.1213u
Co 228.615	0.1534	0.5182	0.3254
Cr 267.716	0.2172	0.1463	0.3704
Cu 324.754	17.8867	18.0139	17.8078
Fe 271.441	-4.9307u	-3.1583u	-3.2092u
K 766.491	2722.95	2725.90	2725.96
Mg 279.078	8909.96	8898.20	8904.98
Mn 257.610	34.3516	34.5098	34.3984
Mo 202.032	0.7313	1.6733	1.9097
Na 330.237	30205.7	29952.8	29919.7
Ni 231.604	1.8881	0.8768	1.9150
Pb 220.353	10.0368	4.1859	5.0686
Sb 206.834	-4.8006u	-6.4591u	-2.4379u
Se 196.026	6.3876	-3.2540u	6.1060
Sn 189.925	-6.5978u	-3.2489u	-5.5817u
Sr 216.596	170.322	169.651	169.914
Ti 334.941	0.1472	0.0819	0.1166
Tl 190.794	-2.3425u	-3.1870u	-6.2496u
V 292.401	0.1847	0.3368	0.3534
Zn 206.200	134.740	132.741	132.590

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	0.0751	ppb	0.2225	296.2	-16.0223
Al 308.215	66.2056	ppb	1.0707	1.6	764.105
As 188.980	-0.3184	ppb	3.4162	1072.8	-4.1739
B 249.678	73.9066	ppb	0.8003	1.1	1044.00
Ba 389.178	39.4032	ppb	0.5944	1.5	814.344
Be 313.042	0.0059	ppb	0.0064	109.0	-3186.88
Ca 370.602	30007	ppb	8.877	0.0	111281
Cd 226.502	0.0441	ppb	0.1561	353.9	15.3276
Co 228.615	0.3323	ppb	0.1825	54.9	-8.3480

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Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Cr 267.716	0.2446	ppb	0.1146	46.8	13.8126
Cu 324.754	17.9028	ppb	0.1040	0.6	1039.67
Fe 271.441	-3.7661	ppb	1.0089	26.8	17.2310
K 766.491	2724.94	ppb	1.7232	0.1	349140
Mg 279.078	8904.38	ppb	5.9018	0.1	18990.7
Mn 257.610	34.4199	ppb	0.0813	0.2	4817.36
Mo 202.032	1.4381	ppb	0.6234	43.3	13.0837
Na 330.237	30026.1	ppb	156.428	0.5	1819.25
Ni 231.604	1.5600	ppb	0.5918	37.9	7.7586
Pb 220.353	6.4304	ppb	3.1543	49.1	5.9582
Sb 206.834	-4.5659	ppb	2.0209	44.3	2.2847
Se 196.026	3.0799	ppb	5.4871	178.2	6.8122
Sn 189.925	-5.1428	ppb	1.7170	33.4	-7.3345
Sr 216.596	169.962	ppb	0.3380	0.2	1234.75
Ti 334.941	0.1152	ppb	0.0327	28.4	-29.3248
Tl 190.794	-3.9264	ppb	2.0558	52.4	-7.7418
V 292.401	0.2917	ppb	0.0930	31.9	16.7578
Zn 206.200	133.357	ppb	1.1998	0.9	269.597

180-36531-b-4-a (Samp) **9/13/2014, 12:23:12 AM** **Rack 4, Tube 4**

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

Label	Replicates Concentration		
Ag 328.068	-0.1956u	-0.2719u	0.2204
Al 308.215	16.8771	20.8718	19.2726
As 188.980	-1.9740u	-2.4046u	-1.3316u
B 249.678	52.2788	52.1485	52.2444
Ba 389.178	34.1356	33.1916	34.3001
Be 313.042	-0.0024	0.0115	0.0010
Ca 370.602	28901	28932	28921
Cd 226.502	-0.0862u	0.0444	0.1131
Co 228.615	0.0204	0.2846	0.1380
Cr 267.716	-0.0178u	0.1492	0.1030
Cu 324.754	13.0747	12.8671	13.0131
Fe 271.441	36.4141	28.0819	29.7112
K 766.491	2662.98	2651.83	2656.99
Mg 279.078	7418.64	7419.21	7418.48
Mn 257.610	18.9705	18.9470	19.0646
Mo 202.032	1.4531	0.3583	0.3993
Na 330.237	29260.9	29315.7	29204.5
Ni 231.604	0.4953	0.7127	0.7696
Pb 220.353	1.8404	1.9520	-2.6804u
Sb 206.834	-0.0178u	-2.8477u	0.0009u
Se 196.026	9.6387	-3.8118u	-2.8545u
Sn 189.925	-1.8413u	-1.0143u	0.0723
Sr 216.596	156.006	155.632	154.060
Ti 334.941	0.1146	0.0802	0.0769
Tl 190.794	9.9298	-0.3262u	-7.8929u
V 292.401	0.0749	0.1458	0.3304
Zn 206.200	91.1404	91.7793	92.0665

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.0824	ppb	0.2650	321.7	-23.6793
Al 308.215	19.0072	ppb	2.0105	10.6	496.246

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Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
As 188.980	-1.9034	ppb	0.5400	28.4	-4.9108
B 249.678	52.2239	ppb	0.0675	0.1	746.742
Ba 389.178	33.8758	ppb	0.5982	1.8	695.003
Be 313.042	0.0033	ppb	0.0072	216.6	-3192.98
Ca 370.602	28918	ppb	15.42	0.1	107242
Cd 226.502	0.0238	ppb	0.1012	426.1	14.8123
Co 228.615	0.1477	ppb	0.1324	89.7	-9.7438
Cr 267.716	0.0782	ppb	0.0862	110.3	9.5231
Cu 324.754	12.9850	ppb	0.1067	0.8	803.890
Fe 271.441	31.4024	ppb	4.4160	14.1	47.8172
K 766.491	2657.27	ppb	5.5799	0.2	340515
Mg 279.078	7418.78	ppb	0.3839	0.0	15827.4
Mn 257.610	18.9940	ppb	0.0622	0.3	2680.14
Mo 202.032	0.7369	ppb	0.6205	84.2	9.2337
Na 330.237	29260.4	ppb	55.5810	0.2	1774.29
Ni 231.604	0.6592	ppb	0.1448	22.0	5.2953
Pb 220.353	0.3706	ppb	2.6429	713.0	0.1140
Sb 206.834	-0.9549	ppb	1.6392	171.7	5.2841
Se 196.026	0.9908	ppb	7.5046	757.4	6.0867
Sn 189.925	-0.9278	ppb	0.9597	103.4	-5.0757
Sr 216.596	155.233	ppb	1.0328	0.7	1128.20
Ti 334.941	0.0906	ppb	0.0209	23.0	-40.9925
Tl 190.794	0.5702	ppb	8.9451	1568.6	-5.3304
V 292.401	0.1837	ppb	0.1319	71.8	13.4762
Zn 206.200	91.6621	ppb	0.4741	0.5	185.590

180-36531-b-5-a (Samp) **9/13/2014, 12:27:43 AM** **Rack 4, Tube 5**

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

Label	Replicates Concentration		
Ag 328.068	-0.0689u	-0.2080u	-0.1174u
Al 308.215	18.4591	14.5279	15.9712
As 188.980	2.6761	3.3862	-3.3189u
B 249.678	50.6507	51.1478	50.2400
Ba 389.178	34.1020	34.1693	33.9150
Be 313.042	-0.0096u	0.0112	0.0013
Ca 370.602	28709	28706	28756
Cd 226.502	0.1776	0.0370	-0.0383u
Co 228.615	0.2422	0.5869	-0.0794u
Cr 267.716	-0.0702u	-0.1011u	0.2706
Cu 324.754	7.5783	7.8171	7.8583
Fe 271.441	177.856	173.524	187.797
K 766.491	2654.97	2660.50	2661.43
Mg 279.078	7349.42	7339.35	7334.86
Mn 257.610	40.0709	40.0350	40.1888
Mo 202.032	1.0195	1.3351	0.5214
Na 330.237	28939.7	29184.3	29140.3
Ni 231.604	0.9803	0.9305	0.7919
Pb 220.353	6.7378	5.1871	6.7202
Sb 206.834	6.4213	-5.2439u	0.1942
Se 196.026	2.9139	-4.1343u	4.4891
Sn 189.925	-6.1487u	-3.6717u	-2.2415u
Sr 216.596	153.092	153.033	154.138
Ti 334.941	0.1013	0.0999	0.1269

Label	Replicates Concentration		
Tl 190.794	-0.4972u	-7.1103u	-3.3176u
V 292.401	0.1830	0.1291	-0.0046u
Zn 206.200	215.242	215.523	214.959

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.1315	ppb	0.0706	53.7	-25.9972
Al 308.215	16.3194	ppb	1.9886	12.2	481.005
As 188.980	0.9145	ppb	3.6834	402.8	-3.6024
B 249.678	50.6795	ppb	0.4546	0.9	725.476
Ba 389.178	34.0621	ppb	0.1318	0.4	698.969
Be 313.042	0.0010	ppb	0.0104	1081.4	-3198.71
Ca 370.602	28724	ppb	28.00	0.1	106519
Cd 226.502	0.0588	ppb	0.1096	186.5	16.1851
Co 228.615	0.2499	ppb	0.3332	133.3	-8.9612
Cr 267.716	0.0331	ppb	0.2063	623.2	8.3646
Cu 324.754	7.7512	ppb	0.1512	2.0	552.066
Fe 271.441	179.726	ppb	7.3177	4.1	176.842
K 766.491	2658.96	ppb	3.4935	0.1	340731
Mg 279.078	7341.21	ppb	7.4574	0.1	15661.9
Mn 257.610	40.0982	ppb	0.0805	0.2	5592.56
Mo 202.032	0.9587	ppb	0.4102	42.8	10.4391
Na 330.237	29088.1	ppb	130.398	0.4	1763.72
Ni 231.604	0.9009	ppb	0.0976	10.8	5.9616
Pb 220.353	6.2150	ppb	0.8903	14.3	5.7508
Sb 206.834	0.4572	ppb	5.8371	1276.7	6.4480
Se 196.026	1.0896	ppb	4.5920	421.5	6.1244
Sn 189.925	-4.0206	ppb	1.9768	49.2	-6.7333
Sr 216.596	153.421	ppb	0.6215	0.4	1115.16
Ti 334.941	0.1094	ppb	0.0152	13.9	-34.5629
Tl 190.794	-3.6417	ppb	3.3184	91.1	-7.5999
V 292.401	0.1025	ppb	0.0965	94.2	10.8578
Zn 206.200	215.241	ppb	0.2824	0.1	434.584

180-36531-b-6-a (Samp) **9/13/2014, 12:32:13 AM** **Rack 4, Tube 6**

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

Label	Replicates Concentration		
Ag 328.068	-0.3568u	0.2881	-0.0665u
Al 308.215	12.9316	12.9012	15.0333
As 188.980	-4.1147u	0.1373	-4.0833u
B 249.678	49.6573	49.8076	50.6862
Ba 389.178	32.3000	31.9516	32.3170
Be 313.042	0.0179	0.0054	0.0067
Ca 370.602	27978	27976	27951
Cd 226.502	0.0432	-0.0235u	0.2206
Co 228.615	0.2606	0.4668	-0.1971u
Cr 267.716	-0.0980u	-0.2899u	-0.1323u
Cu 324.754	17.9970	17.6931	18.3647
Fe 271.441	169.759	178.436	173.371
K 766.491	2565.18	2566.12	2560.91
Mg 279.078	7172.83	7165.20	7164.63
Mn 257.610	31.5327	31.6395	31.5696
Mo 202.032	0.6729	-0.3830u	1.2418
Na 330.237	28417.1	28112.1	28320.6

Label	Replicates Concentration		
Ni 231.604	1.4669	0.8701	0.9157
Pb 220.353	5.2244	10.5847	4.1418
Sb 206.834	0.2136	-1.4099u	0.0957
Se 196.026	5.2113	-6.3806u	-2.4977u
Sn 189.925	-2.5357u	-0.4502u	0.5905
Sr 216.596	150.548	150.667	149.747
Ti 334.941	0.0961	0.0860	0.0416
Tl 190.794	-2.3369u	-9.5678u	-4.5601u
V 292.401	0.3022	-0.1098u	0.0318
Zn 206.200	165.194	167.232	168.339

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.0451	ppb	0.3230	716.6	-21.8446
Al 308.215	13.6221	ppb	1.2223	9.0	465.673
As 188.980	-2.6869	ppb	2.4459	91.0	-5.2759
B 249.678	50.0504	ppb	0.5557	1.1	716.836
Ba 389.178	32.1896	ppb	0.2063	0.6	659.328
Be 313.042	0.0100	ppb	0.0069	68.8	-3177.60
Ca 370.602	27968	ppb	15.18	0.1	103717
Cd 226.502	0.0801	ppb	0.1261	157.5	16.7986
Co 228.615	0.1768	ppb	0.3398	192.2	-9.5119
Cr 267.716	-0.1734	ppb	0.1023	59.0	3.0451
Cu 324.754	18.0183	ppb	0.3363	1.9	1047.17
Fe 271.441	173.855	ppb	4.3583	2.5	171.706
K 766.491	2564.07	ppb	2.7796	0.1	328637
Mg 279.078	7167.55	ppb	4.5751	0.1	15292.2
Mn 257.610	31.5806	ppb	0.0543	0.2	4416.06
Mo 202.032	0.5106	ppb	0.8245	161.5	7.9804
Na 330.237	28283.3	ppb	155.888	0.6	1716.50
Ni 231.604	1.0842	ppb	0.3322	30.6	6.4631
Pb 220.353	6.6503	ppb	3.4500	51.9	6.1713
Sb 206.834	-0.3668	ppb	0.9052	246.8	5.7728
Se 196.026	-1.2224	ppb	5.9003	482.7	5.3243
Sn 189.925	-0.7985	ppb	1.5919	199.4	-5.0065
Sr 216.596	150.321	ppb	0.5004	0.3	1092.60
Ti 334.941	0.0746	ppb	0.0290	38.8	-47.0480
Tl 190.794	-5.4883	ppb	3.7038	67.5	-8.5932
V 292.401	0.0747	ppb	0.2093	280.2	10.0889
Zn 206.200	166.922	ppb	1.5950	1.0	337.228

640-49068-b-1-a (Samp) **9/13/2014, 12:36:44 AM** **Rack 4, Tube 7**

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

Label	Replicates Concentration		
Ag 328.068	0.4475	0.3070	0.4600
Al 308.215	1.3410	5.5068	3.7875
As 188.980	-4.0092u	1.4259	5.1432
B 249.678	17.5669	17.2622	17.8815
Ba 389.178	11.7138	11.0852	11.3014
Be 313.042	-0.0067	-0.0144u	-0.0226u
Ca 370.602	56778	56787	56787
Cd 226.502	-0.0021	0.1839	0.0963
Co 228.615	0.2423	0.1106	-0.0504u
Cr 267.716	0.2511	0.2531	0.2801

Label	Replicates Concentration		
Cu 324.754	1.0636u	1.0227u	0.9870u
Fe 271.441	91.4032	103.153	103.455
K 766.491	892.701	892.105	893.205
Mg 279.078	7317.62	7319.76	7320.13
Mn 257.610	16.6140	16.5895	16.6078
Mo 202.032	3.1196	1.1589	1.9174
Na 330.237	18827.4	18688.5	18747.3
Ni 231.604	1.6426	0.9343	-0.1664u
Pb 220.353	-3.1418u	2.6984	3.1102
Sb 206.834	-4.2041u	-2.9674u	-0.9122u
Se 196.026	2.1606	-9.6272u	6.9004
Sn 189.925	-2.9603u	-6.8454u	-3.2093u
Sr 216.596	121.639	121.824	121.393
Ti 334.941	0.0999	0.1929	0.0992
Tl 190.794	-3.2014u	-6.6975u	-4.0666u
V 292.401	2.6172	3.0639	2.8542
Zn 206.200	1.6174	1.9692	2.5413

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	0.4048	ppb	0.0849	21.0	-0.1481
Al 308.215	3.5451	ppb	2.0934	59.1	408.736
As 188.980	0.8533	ppb	4.6030	539.4	-3.6300
B 249.678	17.5702	ppb	0.3096	1.8	271.552
Ba 389.178	11.3668	ppb	0.3193	2.8	223.690
Be 313.042	-0.0146	ppb	0.0079	54.5	-3221.57
Ca 370.602	56784	ppb	5.124	0.0	210582
Cd 226.502	0.0927	ppb	0.0931	100.4	16.9998
Co 228.615	0.1008	ppb	0.1466	145.3	-10.1255
Cr 267.716	0.2615	ppb	0.0162	6.2	14.1305
Cu 324.754	1.0245	ppb	0.0383	3.7	201.274
Fe 271.441	99.3371	ppb	6.8726	6.9	106.925
K 766.491	892.670	ppb	0.5502	0.1	115611
Mg 279.078	7319.17	ppb	1.3529	0.0	15615.2
Mn 257.610	16.6038	ppb	0.0127	0.1	2350.08
Mo 202.032	2.0653	ppb	0.9887	47.9	16.5162
Na 330.237	18754.4	ppb	69.7071	0.4	1156.20
Ni 231.604	0.8035	ppb	0.9116	113.4	5.6921
Pb 220.353	0.8889	ppb	3.4968	393.4	0.6130
Sb 206.834	-2.6945	ppb	1.6628	61.7	3.8226
Se 196.026	-0.1887	ppb	8.5106	4509.9	5.8245
Sn 189.925	-4.3383	ppb	2.1747	50.1	-6.9056
Sr 216.596	121.618	ppb	0.2162	0.2	891.474
Ti 334.941	0.1307	ppb	0.0539	41.2	-26.2689
Tl 190.794	-4.6552	ppb	1.8208	39.1	-8.1408
V 292.401	2.8451	ppb	0.2235	7.9	98.8531
Zn 206.200	2.0426	ppb	0.4663	22.8	5.0243

680-105077-b-1-a (Samp) **9/13/2014, 12:41:14 AM** **Rack 4, Tube 8**

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

Label	Replicates Concentration		
Ag 328.068	0.1263	0.1401	0.0096
Al 308.215	135.929	135.699	134.278
As 188.980	-6.7836u	0.1977	-0.7078u

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Label	Replicates Concentration		
B 249.678	152.879	153.528	154.120
Ba 389.178	30.2396	30.4174	31.4740
Be 313.042	0.0229	0.0032	0.0036
Ca 370.602	44072	44088	44164
Cd 226.502	0.7267	0.8581	0.9202
Co 228.615	0.4107	0.4117	0.1757
Cr 267.716	1.3443	1.7778	1.3733
Cu 324.754	62.5262	62.2003	61.7215
Fe 271.441	223.356	233.270	238.880
K 766.491	3436.25	3437.18	3434.36
Mg 279.078	1735.72	1728.45	1735.95
Mn 257.610	9.6108	9.6009	9.6242
Mo 202.032	6.3308	7.4692	6.2139
Na 330.237	4701.55	4825.32	4857.57
Ni 231.604	2.6627	3.5964	3.9408
Pb 220.353	16.2482	16.1287	18.4531
Sb 206.834	-3.9170u	-0.1170u	-0.0444u
Se 196.026	-6.8932u	6.7455	0.3513
Sn 189.925	-2.4158u	4.7133	-1.5308u
Sr 216.596	137.671	136.567	136.839
Ti 334.941	3.3527	3.3269	3.3945
Tl 190.794	-3.7642u	5.8083	-9.5207u
V 292.401	2.6669	3.1372	2.7199
Zn 206.200	153.418	154.155	155.820

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	0.0920	ppb	0.0717	77.9	-15.2507
Al 308.215	135.302	ppb	0.8940	0.7	1156.62
As 188.980	-2.4312	ppb	3.7963	156.1	-5.1561
B 249.678	153.509	ppb	0.6207	0.4	2135.33
Ba 389.178	30.7103	ppb	0.6673	2.2	614.982
Be 313.042	0.0099	ppb	0.0113	113.7	-3168.21
Ca 370.602	44108	ppb	49.39	0.1	163572
Cd 226.502	0.8350	ppb	0.0988	11.8	38.8007
Co 228.615	0.3327	ppb	0.1360	40.9	-8.3875
Cr 267.716	1.4984	ppb	0.2423	16.2	45.8394
Cu 324.754	62.1494	ppb	0.4047	0.7	3156.74
Fe 271.441	231.835	ppb	7.8604	3.4	222.173
K 766.491	3435.93	ppb	1.4359	0.0	439759
Mg 279.078	1733.37	ppb	4.2661	0.2	3721.03
Mn 257.610	9.6119	ppb	0.0117	0.1	1353.85
Mo 202.032	6.6713	ppb	0.6935	10.4	41.7780
Na 330.237	4794.81	ppb	82.3621	1.7	334.032
Ni 231.604	3.4000	ppb	0.6613	19.4	12.8010
Pb 220.353	16.9433	ppb	1.3088	7.7	16.0911
Sb 206.834	-1.3594	ppb	2.2152	162.9	4.8591
Se 196.026	0.0679	ppb	6.8238	10053.0	5.8485
Sn 189.925	0.2555	ppb	3.8858	1520.6	-4.4462
Sr 216.596	137.026	ppb	0.5752	0.4	999.968
Ti 334.941	3.3580	ppb	0.0341	1.0	1094.80
Tl 190.794	-2.4922	ppb	7.7433	310.7	-6.9922
V 292.401	2.8413	ppb	0.2576	9.1	97.6732
Zn 206.200	154.464	ppb	1.2305	0.8	312.127

680-105077-b-2-a (Samp) **9/13/2014, 12:45:45 AM** **Rack 4, Tube 9**

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

Label	Replicates Concentration		
Ag 328.068	0.0454	0.5862	-0.0739u
Al 308.215	172.046	170.940	169.496
As 188.980	-1.3632u	-0.6954u	-0.6207u
B 249.678	462.479	463.089	462.825
Ba 389.178	204.947	204.765	204.684
Be 313.042	-0.0059u	0.0101	0.0139
Ca 370.602	44375	44379	44393
Cd 226.502	0.5353	0.5099	0.5035
Co 228.615	0.9075	-0.3019u	0.0756
Cr 267.716	1.8273	1.8604	1.9548
Cu 324.754	27.3466	28.2706	27.7063
Fe 271.441	775.295	770.147	777.389
K 766.491	9327.00	9296.15	9298.45
Mg 279.078	4300.18	4290.18	4292.31
Mn 257.610	125.752	125.534	125.605
Mo 202.032	19.1057	19.6375	19.1062
Na 330.237	21276.0	21196.9	21257.3
Ni 231.604	6.6439	5.4785	8.7204
Pb 220.353	26.0484	19.0517	16.5826
Sb 206.834	7.7031	2.2400	-2.8797u
Se 196.026	-2.2898u	0.7758	5.1750
Sn 189.925	5.2194	-0.4257u	0.6097
Sr 216.596	263.415	262.646	263.319
Ti 334.941	2.4134	2.6354	2.3522
Tl 190.794	-10.3316u	-0.2139u	0.2076
V 292.401	3.5706	3.4832	3.4994
Zn 206.200	171.593	170.530	170.970

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	0.1859	ppb	0.3518	189.3	-10.4029
Al 308.215	170.827	ppb	1.2787	0.7	1359.02
As 188.980	-0.8931	ppb	0.4089	45.8	-4.4423
B 249.678	462.798	ppb	0.3057	0.1	6375.66
Ba 389.178	204.799	ppb	0.1345	0.1	4266.56
Be 313.042	0.0060	ppb	0.0105	174.1	-3181.36
Ca 370.602	44382	ppb	9.031	0.0	164582
Cd 226.502	0.5162	ppb	0.0168	3.3	30.9019
Co 228.615	0.2271	ppb	0.6187	272.5	-9.4201
Cr 267.716	1.8808	ppb	0.0661	3.5	55.8022
Cu 324.754	27.7745	ppb	0.4658	1.7	1501.50
Fe 271.441	774.277	ppb	3.7269	0.5	694.042
K 766.491	9307.20	ppb	17.1858	0.2	1188073
Mg 279.078	4294.23	ppb	5.2697	0.1	9172.79
Mn 257.610	125.630	ppb	0.1111	0.1	17380.9
Mo 202.032	19.2831	ppb	0.3069	1.6	110.934
Na 330.237	21243.4	ppb	41.3175	0.2	1301.85
Ni 231.604	6.9476	ppb	1.6421	23.6	22.5259
Pb 220.353	20.5609	ppb	4.9101	23.9	19.5649
Sb 206.834	2.3545	ppb	5.2923	224.8	7.7279
Se 196.026	1.2203	ppb	3.7522	307.5	6.2689
Sn 189.925	1.8012	ppb	3.0052	166.8	-3.6146
Sr 216.596	263.127	ppb	0.4192	0.2	1910.77

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ti 334.941	2.4670	ppb	0.1490	6.0	786.465
Tl 190.794	-3.4460	ppb	5.9669	173.2	-7.5283
V 292.401	3.5177	ppb	0.0465	1.3	116.496
Zn 206.200	171.031	ppb	0.5338	0.3	345.516

680-105077-b-3-a (Samp) **9/13/2014, 12:50:16 AM** **Rack 4, Tube 10**

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

Label	Replicates Concentration		
Ag 328.068	-0.2797u	-0.0458u	0.4694
Al 308.215	695.019	696.075	697.674
As 188.980	3.1281	-3.7738u	-3.8986u
B 249.678	212.664	213.482	212.850
Ba 389.178	75.7341	74.9612	74.9486
Be 313.042	0.0285	0.0140	0.0081
Ca 370.602	31820	31862	31838
Cd 226.502	0.9511	1.0149	1.0572
Co 228.615	0.6885	0.2478	0.7082
Cr 267.716	3.4311	3.4225	3.3254
Cu 324.754	817.549	812.076	814.866
Fe 271.441	2068.72	2077.78	2065.44
K 766.491	14995.0	15010.7	14994.6
Mg 279.078	3231.89	3242.25	3240.32
Mn 257.610	138.899	139.032	138.892
Mo 202.032	13.7068	14.1866	13.7724
Na 330.237	16625.1	16665.9	16583.7
Ni 231.604	5.6689	6.2578	7.7039
Pb 220.353	193.507	195.952	193.160
Sb 206.834	18.1722	8.8442	10.8250
Se 196.026	2.1254	7.8280	5.2205
Sn 189.925	6.3564	3.9158	6.7907
Sr 216.596	161.463	162.450	162.311
Ti 334.941	3.5326	3.5606	3.5662
Tl 190.794	-6.4262u	-3.2035u	-2.9026u
V 292.401	0.9851	1.2557	1.2542
Zn 206.200	150.954	150.353	151.107

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	0.0480	ppb	0.3833	798.8	-17.1308
Al 308.215	696.256	ppb	1.3364	0.2	4339.92
As 188.980	-1.5148	ppb	4.0213	265.5	-4.7410
B 249.678	212.999	ppb	0.4288	0.2	2949.94
Ba 389.178	75.2146	ppb	0.4499	0.6	1553.57
Be 313.042	0.0168	ppb	0.0105	62.3	-3160.69
Ca 370.602	31840	ppb	20.87	0.1	118051
Cd 226.502	1.0078	ppb	0.0534	5.3	48.3179
Co 228.615	0.5482	ppb	0.2603	47.5	-6.7906
Cr 267.716	3.3930	ppb	0.0587	1.7	94.6878
Cu 324.754	814.830	ppb	2.7364	0.3	39412.0
Fe 271.441	2070.65	ppb	6.3882	0.3	1821.68
K 766.491	15000.1	ppb	9.1729	0.1	1913653
Mg 279.078	3238.15	ppb	5.5100	0.2	6921.56
Mn 257.610	138.941	ppb	0.0785	0.1	19214.6
Mo 202.032	13.8886	ppb	0.2601	1.9	81.2337

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Na 330.237	16624.9	ppb	41.0892	0.2	1029.51
Ni 231.604	6.5435	ppb	1.0472	16.0	21.4649
Pb 220.353	194.206	ppb	1.5220	0.8	187.061
Sb 206.834	12.6138	ppb	4.9146	39.0	16.3155
Se 196.026	5.0579	ppb	2.8548	56.4	7.5426
Sn 189.925	5.6877	ppb	1.5497	27.2	-1.5325
Sr 216.596	162.075	ppb	0.5341	0.3	1179.24
Ti 334.941	3.5531	ppb	0.0180	0.5	1165.68
Tl 190.794	-4.1774	ppb	1.9533	46.8	-8.0128
V 292.401	1.1650	ppb	0.1558	13.4	42.5326
Zn 206.200	150.805	ppb	0.3989	0.3	304.788

680-105093-b-1-a (Samp) **9/13/2014, 12:54:46 AM** **Rack 4, Tube 11**

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

Label	Replicates Concentration		
Ag 328.068	0.2948	0.1322	0.3763
Al 308.215	938.200	945.281	940.801
As 188.980	0.9058	7.0885	3.7935
B 249.678	32.0322	32.1474	31.4703
Ba 389.178	4.7455	5.3581	4.1297
Be 313.042	0.0252	0.0244	0.0237
Ca 370.602	1487	1494	1486
Cd 226.502	-0.1415u	-0.0305	-0.1089u
Co 228.615	0.1870	-0.6105u	0.7557
Cr 267.716	0.6370	0.5730	0.7556
Cu 324.754	0.9815	0.9605	0.8452
Fe 271.441	698.886	707.965	695.692
K 766.491	1543.57	1550.55	1547.40
Mg 279.078	384.347	390.828	386.426
Mn 257.610	15.5304	15.6049	15.5057
Mo 202.032	-0.3718u	0.1174	-0.0176u
Na 330.237	27307.0	27758.6	27078.7
Ni 231.604	1.8749	0.5910	1.0151
Pb 220.353	2.0730	0.3156	1.4620
Sb 206.834	-0.2714u	-0.1483u	-1.9948u
Se 196.026	7.9769	7.3605	1.3282
Sn 189.925	-0.3434u	-0.6525u	0.4176
Sr 216.596	21.7450	21.7297	21.6878
Ti 334.941	15.4385	18.7891	15.7252
Tl 190.794	2.7020	2.7521	-12.3367u
V 292.401	2.6737	2.9122	2.9097
Zn 206.200	3.4307	2.6729	3.4250

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	0.2678	ppb	0.1243	46.4	-6.7264
Al 308.215	941.427	ppb	3.5820	0.4	5730.28
As 188.980	3.9292	ppb	3.0936	78.7	-2.2052
B 249.678	31.8833	ppb	0.3623	1.1	467.384
Ba 389.178	4.7445	ppb	0.6142	12.9	68.8931
Be 313.042	0.0244	ppb	0.0008	3.2	-3153.09
Ca 370.602	1489	ppb	4.464	0.3	5514
Cd 226.502	-0.0936	ppb	0.0570	60.9	13.0249
Co 228.615	0.1107	ppb	0.6863	619.7	-9.7422

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Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Cr 267.716	0.6552	ppb	0.0926	14.1	24.3337
Cu 324.754	0.9291	ppb	0.0734	7.9	249.272
Fe 271.441	700.847	ppb	6.3673	0.9	630.131
K 766.491	1547.17	ppb	3.4976	0.2	199030
Mg 279.078	387.200	ppb	3.3093	0.9	853.700
Mn 257.610	15.5470	ppb	0.0516	0.3	2165.96
Mo 202.032	-0.0907	ppb	0.2526	278.7	4.6383
Na 330.237	27381.4	ppb	346.008	1.3	1663.42
Ni 231.604	1.1603	ppb	0.6542	56.4	6.6896
Pb 220.353	1.2835	ppb	0.8922	69.5	0.9473
Sb 206.834	-0.8048	ppb	1.0324	128.3	5.4244
Se 196.026	5.5552	ppb	3.6737	66.1	7.5237
Sn 189.925	-0.1928	ppb	0.5507	285.7	-4.6821
Sr 216.596	21.7208	ppb	0.0296	0.1	158.564
Ti 334.941	16.6509	ppb	1.8573	11.2	5751.22
Tl 190.794	-2.2942	ppb	8.6971	379.1	-6.9210
V 292.401	2.8318	ppb	0.1370	4.8	99.2023
Zn 206.200	3.1762	ppb	0.4359	13.7	7.3204

680-105093-b-2-a (Samp) **9/13/2014, 12:59:17 AM** **Rack 4, Tube 12**

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

Label	Replicates Concentration		
Ag 328.068	-0.2886u	0.1526	0.2881
Al 308.215	631.102	626.745	631.870
As 188.980	1.6673	-3.9976u	-2.1107u
B 249.678	17.8448	17.7337	17.4194
Ba 389.178	6.1225	6.9437	6.6070
Be 313.042	0.0258	0.0072	0.0172
Ca 370.602	3036	3040	3043
Cd 226.502	0.2332	-0.1593u	-0.1764u
Co 228.615	-0.0838u	-0.1456u	0.1057
Cr 267.716	0.2956	0.5557	0.7261
Cu 324.754	1.1475	1.0594	1.0965
Fe 271.441	795.922	799.431	789.139
K 766.491	2236.61	2238.43	2236.51
Mg 279.078	612.637	620.482	620.667
Mn 257.610	20.9909	20.9850	21.1509
Mo 202.032	0.1191	-0.4051u	-0.4887u
Na 330.237	26369.8	26536.9	26544.9
Ni 231.604	-0.1801u	-1.3070u	-0.0312u
Pb 220.353	5.1125	-1.9794u	0.0589
Sb 206.834	1.9686	-0.5728u	-8.8506u
Se 196.026	5.1180	-0.3114u	4.7353
Sn 189.925	-2.3967u	-0.1385u	-0.2154u
Sr 216.596	58.3669	57.6259	57.8556
Ti 334.941	7.4986	7.4617	7.5651
Tl 190.794	-6.5637u	-2.3666u	1.8449
V 292.401	1.3868	1.4495	1.6605
Zn 206.200	47.2638	47.3177	46.9088

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	0.0507	ppb	0.3015	594.7	-17.2162
Al 308.215	629.906	ppb	2.7639	0.4	3962.57

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
As 188.980	-1.4804	ppb	2.8846	194.9	-4.7196
B 249.678	17.6659	ppb	0.2207	1.2	272.407
Ba 389.178	6.5577	ppb	0.4128	6.3	107.593
Be 313.042	0.0167	ppb	0.0093	55.8	-3170.96
Ca 370.602	3039	ppb	3.199	0.1	11261
Cd 226.502	-0.0342	ppb	0.2317	677.6	14.9905
Co 228.615	-0.0412	ppb	0.1309	317.4	-11.0282
Cr 267.716	0.5258	ppb	0.2168	41.2	21.0107
Cu 324.754	1.1011	ppb	0.0442	4.0	256.264
Fe 271.441	794.831	ppb	5.2319	0.7	711.850
K 766.491	2237.18	ppb	1.0830	0.0	286974
Mg 279.078	617.929	ppb	4.5837	0.7	1344.80
Mn 257.610	21.0423	ppb	0.0941	0.4	2925.86
Mo 202.032	-0.2582	ppb	0.3294	127.6	3.7118
Na 330.237	26483.9	ppb	98.8380	0.4	1610.57
Ni 231.604	-0.5061	ppb	0.6976	137.8	2.1335
Pb 220.353	1.0640	ppb	3.6512	343.2	0.7498
Sb 206.834	-2.4849	ppb	5.6574	227.7	4.0370
Se 196.026	3.1807	ppb	3.0302	95.3	6.7171
Sn 189.925	-0.9169	ppb	1.2821	139.8	-5.0703
Sr 216.596	57.9495	ppb	0.3793	0.7	420.641
Ti 334.941	7.5085	ppb	0.0524	0.7	2546.08
Tl 190.794	-2.3618	ppb	4.2043	178.0	-6.9627
V 292.401	1.4989	ppb	0.1434	9.6	56.3038
Zn 206.200	47.1634	ppb	0.2222	0.5	95.9489

Cont Calib Verif (CCV) **9/13/2014, 1:03:47 AM** **Rack 4, Tube 13**

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

Label	Replicates Concentration		
Ag 328.068	492.008	492.960	491.377
Al 308.215	4852.39	4861.88	4863.05
As 188.980	471.177	480.229	462.797
B 249.678	500.109	502.530	504.057
Ba 389.178	4828.02	4840.85	4853.72
Be 313.042	494.327	494.777	494.224
Ca 370.602	4858	4868	4875
Cd 226.502	486.957	490.660	489.902
Co 228.615	490.279	488.882	490.904
Cr 267.716	4870.33	4889.97	4896.21
Cu 324.754	4882.42	4967.17	4962.36
Fe 271.441	4930.52	4960.17	4957.72
K 766.491	9996.61	10018.2	10034.0
Mg 279.078	4865.67	4877.06	4877.87
Mn 257.610	4946.04	4949.43	4960.80
Mo 202.032	486.533	489.886	488.864
Na 330.237	7376.95	7572.27	7224.96
Ni 231.604	2450.60	2463.63	2461.28
Pb 220.353	498.905	499.426	501.349
Sb 206.834	940.922	947.268	958.041
Se 196.026	4952.86	4932.26	4950.82
Sn 189.925	4825.79	4826.03	4845.16
Sr 216.596	2414.26	2424.41	2426.50
Ti 334.941	479.955	482.027	482.331

Label	Replicates Concentration		
Tl 190.794	4921.61	4921.91	4942.07
V 292.401	4863.94	4879.88	4886.62
Zn 206.200	2436.13	2450.52	2450.20

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Ag 328.068	492.115	ppb	0.7967	0.2	23813.1	98.42301
Al 308.215	4859.11	ppb	5.8418	0.1	28237.0	97.18212
As 188.980	471.401	ppb	8.7181	1.8	215.095	94.28017
B 249.678	502.232	ppb	1.9907	0.4	6926.17	100.44641
Ba 389.178	4840.87	ppb	12.8469	0.3	101332	96.81731
Be 313.042	494.443	ppb	0.2939	0.1	1157266	98.88850
Ca 370.602	4867	ppb	8.693	0.2	18084	97.34247
Cd 226.502	489.173	ppb	1.9560	0.4	14167.2	97.83461
Co 228.615	490.022	ppb	1.0353	0.2	3731.25	98.00436
Cr 267.716	4885.51	ppb	13.5054	0.3	125639	97.71014
Cu 324.754	4937.32	ppb	47.6022	1.0	237875	98.74632
Fe 271.441	4949.47	ppb	16.4588	0.3	4374.27	98.98943
K 766.491	10016.3	ppb	18.7843	0.2	1278447	100.16277
Mg 279.078	4873.53	ppb	6.8238	0.1	10398.0	97.47063
Mn 257.610	4952.09	ppb	7.7302	0.2	683482	99.04175
Mo 202.032	488.428	ppb	1.7186	0.4	2682.63	97.68559
Na 330.237	7391.39	ppb	174.102	2.4	470.514	98.55193
Ni 231.604	2458.50	ppb	6.9449	0.3	6730.11	98.34003
Pb 220.353	499.893	ppb	1.2874	0.3	483.457	99.97867
Sb 206.834	948.744	ppb	8.6546	0.9	813.077	94.87435
Se 196.026	4945.31	ppb	11.3492	0.2	1706.84	98.90626
Sn 189.925	4832.33	ppb	11.1153	0.2	2585.32	96.64661
Sr 216.596	2421.72	ppb	6.5490	0.3	17409.7	96.86885
Ti 334.941	481.438	ppb	1.2931	0.3	168735	96.28756
Tl 190.794	4928.53	ppb	11.7270	0.2	2646.08	98.57065
V 292.401	4876.81	ppb	11.6503	0.2	156461	97.53628
Zn 206.200	2445.62	ppb	8.2184	0.3	4916.86	97.82468

Cont Calib Blank (CCB) **9/13/2014, 1:08:18 AM** **Rack 4, Tube 14**

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

Label	Replicates Concentration		
Ag 328.068	0.2944	-0.2641u	0.0728
Al 308.215	-8.5483u	-7.7388u	-7.8822u
As 188.980	4.2270	-0.4928u	2.8047
B 249.678	6.7803	5.5677	4.9201
Ba 389.178	-0.5949u	0.7428	1.1774
Be 313.042	0.0598	0.0427	0.0504
Ca 370.602	0.9864	2.518	0.7896
Cd 226.502	0.1598	0.2577	0.2481
Co 228.615	0.6153	-0.2489u	-0.3106u
Cr 267.716	0.3393	-0.0642u	0.1013
Cu 324.754	0.6401	0.8394	0.4085
Fe 271.441	5.2484	4.0453	-2.3214u
K 766.491	-0.4094u	-0.5417u	-0.5017u
Mg 279.078	-3.1891u	1.7878	-1.1070u
Mn 257.610	0.2553	0.2543	0.2103
Mo 202.032	1.1219	0.6498	-0.0993u
Na 330.237	155.401	226.967	130.298

Label	Replicates Concentration		
Ni 231.604	-0.6756u	1.5288	-0.0323u
Pb 220.353	-0.5565u	5.6228	1.0378
Sb 206.834	4.6528	2.1166	5.1835
Se 196.026	16.1872	-0.1948u	7.0165
Sn 189.925	1.5913	-1.2872u	-4.7386u
Sr 216.596	0.3114	0.0773	0.4792
Ti 334.941	0.1709	0.1671	0.1800
Tl 190.794	-0.7300u	-2.7686u	-1.0657u
V 292.401	0.3647	0.5075	0.3557
Zn 206.200	-0.1424u	1.9342	0.5839

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Ag 328.068	0.0344	ppb	0.2812	818.3	-17.9896	0.03437
Al 308.215	-8.0564	ppb	0.4320	5.4	342.681	-8.05643
As 188.980	2.1796	ppb	2.4212	111.1	-3.0134	2.17964
B 249.678	5.7560	ppb	0.9443	16.4	109.663	5.75601
Ba 389.178	0.4418	ppb	0.9237	209.1	-23.3734	0.44175
Be 313.042	0.0510	ppb	0.0085	16.8	-3088.96	0.05099
Ca 370.602	1.431	ppb	0.9462	66.1	3.831	1.43133
Cd 226.502	0.2218	ppb	0.0540	24.3	20.5012	0.22183
Co 228.615	0.0186	ppb	0.5177	2779.6	-10.7298	0.01862
Cr 267.716	0.1255	ppb	0.2028	161.6	10.5053	0.12550
Cu 324.754	0.6294	ppb	0.2157	34.3	236.623	0.62937
Fe 271.441	2.3241	ppb	4.0678	175.0	22.4877	2.32409
K 766.491	-0.4843	ppb	0.0678	14.0	1775.09	-0.48426
Mg 279.078	-0.8361	ppb	2.4994	298.9	28.8297	-0.83610
Mn 257.610	0.2400	ppb	0.0257	10.7	49.8473	0.23997
Mo 202.032	0.5575	ppb	0.6158	110.5	8.2513	0.55747
Na 330.237	170.889	ppb	50.1609	29.4	62.4944	170.88890
Ni 231.604	0.2736	ppb	1.1336	414.3	4.2392	0.27364
Pb 220.353	2.0347	ppb	3.2080	157.7	1.7211	2.03472
Sb 206.834	3.9843	ppb	1.6391	41.1	9.3741	3.98433
Se 196.026	7.6696	ppb	8.2105	107.1	8.2320	7.66963
Sn 189.925	-1.4782	ppb	3.1693	214.4	-5.3763	-1.47816
Sr 216.596	0.2893	ppb	0.2018	69.8	3.0293	0.28930
Ti 334.941	0.1727	ppb	0.0066	3.8	-25.3766	0.17270
Tl 190.794	-1.5214	ppb	1.0930	71.8	-6.4551	-1.52144
V 292.401	0.4093	ppb	0.0852	20.8	20.8688	0.40927
Zn 206.200	0.7919	ppb	1.0538	133.1	2.5026	0.79188

680-105093-b-3-a (Samp) **9/13/2014, 1:12:49 AM** **Rack 4, Tube 15**

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

Label	Replicates Concentration		
Ag 328.068	0.1260	-0.1736u	0.3340
Al 308.215	256.676	262.609	257.593
As 188.980	3.3783	8.4798	6.1290
B 249.678	31.3893	31.8988	31.4079
Ba 389.178	13.3213	13.2626	13.2468
Be 313.042	0.0783	0.0562	0.0565
Ca 370.602	1326	1339	1331
Cd 226.502	0.0165	-0.0724	-0.1423
Co 228.615	0.6341	-0.1233u	0.0155
Cr 267.716	0.2129	-0.0191u	-0.0990u

Label	Replicates Concentration		
Cu 324.754	6.2250	6.2268	6.0992
Fe 271.441	4615.18	4629.65	4619.60
K 766.491	2747.50	2769.37	2759.80
Mg 279.078	379.872	376.249	380.964
Mn 257.610	73.8174	74.3084	74.0543
Mo 202.032	0.2079	0.4682	0.4068
Na 330.237	13633.6	13691.0	13477.0
Ni 231.604	0.2209	-0.1425u	0.1292
Pb 220.353	1.1957	1.7743	2.1401
Sb 206.834	-1.7387u	-3.1667u	-5.2728u
Se 196.026	-7.5269u	6.7424	1.0618
Sn 189.925	-4.6598u	-5.0601u	-1.1039u
Sr 216.596	38.0558	37.8449	38.1835
Ti 334.941	4.0793	4.0888	4.1522
Tl 190.794	1.4091	-0.6071u	2.4449
V 292.401	1.0500	1.2348	1.3135
Zn 206.200	9.5918	9.6619	8.1986

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	0.0954	ppb	0.2552	267.4	-15.2317
Al 308.215	258.960	ppb	3.1939	1.2	1857.80
As 188.980	5.9957	ppb	2.5533	42.6	-1.2715
B 249.678	31.5653	ppb	0.2889	0.9	460.367
Ba 389.178	13.2769	ppb	0.0393	0.3	254.398
Be 313.042	0.0637	ppb	0.0127	19.9	-3060.15
Ca 370.602	1332	ppb	6.638	0.5	4876
Cd 226.502	-0.0661	ppb	0.0796	120.5	23.6558
Co 228.615	0.1754	ppb	0.4032	229.8	-9.2623
Cr 267.716	0.0316	ppb	0.1620	512.6	8.1922
Cu 324.754	6.1837	ppb	0.0732	1.2	502.730
Fe 271.441	4621.48	ppb	7.4151	0.2	4040.55
K 766.491	2758.89	ppb	10.9589	0.4	353467
Mg 279.078	379.028	ppb	2.4680	0.7	828.560
Mn 257.610	74.0600	ppb	0.2455	0.3	10249.6
Mo 202.032	0.3609	ppb	0.1361	37.7	6.8039
Na 330.237	13600.5	ppb	110.773	0.8	850.806
Ni 231.604	0.0692	ppb	0.1890	273.0	3.8393
Pb 220.353	1.7034	ppb	0.4762	28.0	1.3422
Sb 206.834	-3.3928	ppb	1.7779	52.4	3.2726
Se 196.026	0.0924	ppb	7.1839	7774.3	5.7033
Sn 189.925	-3.6079	ppb	2.1778	60.4	-6.5151
Sr 216.596	38.0281	ppb	0.1710	0.4	278.928
Ti 334.941	4.1068	ppb	0.0397	1.0	1354.38
Tl 190.794	1.0823	ppb	1.5520	143.4	-5.3658
V 292.401	1.1995	ppb	0.1353	11.3	48.1839
Zn 206.200	9.1508	ppb	0.8253	9.0	19.4439

680-105093-b-4-a (Samp) **9/13/2014, 1:17:19 AM** **Rack 4, Tube 16**

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

Label	Replicates Concentration		
Ag 328.068	-0.0846u	0.1735	0.3688
Al 308.215	114.078	116.031	113.622
As 188.980	-0.3947u	-3.0961u	-1.7636u

F09122014.wvq. All Data Report 9/15/2014, 10:04:20 AM

Label	Replicates Concentration		
B 249.678	15.7189	15.3986	15.4251
Ba 389.178	7.8769	8.0440	8.8213
Be 313.042	0.0247	0.0278	0.0205
Ca 370.602	1484	1489	1485
Cd 226.502	-0.0372	0.1150	0.1187
Co 228.615	0.1976	-0.5075u	-0.0695u
Cr 267.716	0.0259	-0.0656u	-0.3055u
Cu 324.754	0.7588	0.6915	0.7985
Fe 271.441	651.583	665.055	649.961
K 766.491	3278.94	3279.66	3284.24
Mg 279.078	610.190	607.952	607.755
Mn 257.610	15.6304	15.6293	15.6994
Mo 202.032	0.0469	0.1816	-0.1774u
Na 330.237	19276.8	19421.6	19076.8
Ni 231.604	0.7266	-0.7189u	-0.1343u
Pb 220.353	-1.1680u	0.5434	-0.0682u
Sb 206.834	2.9521	0.8803	0.5993
Se 196.026	-3.6783u	12.7307	1.4274
Sn 189.925	0.0534	4.7203	1.0125
Sr 216.596	55.5116	54.8386	55.4674
Ti 334.941	2.0247	1.9218	1.8359
Tl 190.794	-0.8967u	-3.6985u	3.9161
V 292.401	0.2037	0.1043	0.0963
Zn 206.200	1.1156	1.5481	1.8608

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	0.1526	ppb	0.2274	149.0	-12.2907
Al 308.215	114.577	ppb	1.2794	1.1	1038.48
As 188.980	-1.7515	ppb	1.3507	77.1	-4.8446
B 249.678	15.5142	ppb	0.1777	1.1	242.973
Ba 389.178	8.2474	ppb	0.5040	6.1	142.693
Be 313.042	0.0243	ppb	0.0037	15.1	-3153.36
Ca 370.602	1486	ppb	2.655	0.2	5501
Cd 226.502	0.0655	ppb	0.0889	135.8	17.5541
Co 228.615	-0.1265	ppb	0.3560	281.5	-11.7712
Cr 267.716	-0.1150	ppb	0.1711	148.8	4.4746
Cu 324.754	0.7496	ppb	0.0541	7.2	240.952
Fe 271.441	655.533	ppb	8.2864	1.3	590.673
K 766.491	3280.95	ppb	2.8750	0.1	420005
Mg 279.078	608.632	ppb	1.3525	0.2	1325.28
Mn 257.610	15.6531	ppb	0.0401	0.3	2181.77
Mo 202.032	0.0170	ppb	0.1814	1065.6	5.2337
Na 330.237	19258.4	ppb	173.124	0.9	1185.59
Ni 231.604	-0.0422	ppb	0.7271	1721.9	3.3977
Pb 220.353	-0.2309	ppb	0.8672	375.5	-0.4764
Sb 206.834	1.4772	ppb	1.2850	87.0	7.3077
Se 196.026	3.4933	ppb	8.3973	240.4	6.8141
Sn 189.925	1.9287	ppb	2.4647	127.8	-3.5467
Sr 216.596	55.2725	ppb	0.3764	0.7	400.865
Ti 334.941	1.9275	ppb	0.0945	4.9	589.711
Tl 190.794	-0.2264	ppb	3.8513	1701.3	-5.8035
V 292.401	0.1347	ppb	0.0598	44.4	12.3324
Zn 206.200	1.5082	ppb	0.3742	24.8	3.9603

F09122014.wvq. All Data Report 9/15/2014, 10:04:20 AM

640-49097-b-1-a (Samp) **9/13/2014, 1:21:50 AM** **Rack 4, Tube 17**

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

Label	Replicates Concentration		
Ag 328.068	0.0135	0.3256	0.2141
Al 308.215	47.9871	68.7430	56.5689
As 188.980	-2.9496u	3.3319	6.1666
B 249.678	10.4835	10.9907	11.3384
Ba 389.178	11.0105	11.1180	11.5529
Be 313.042	0.0258	0.0289	0.0160
Ca 370.602	2308	2308	2319
Cd 226.502	0.1273	-0.0074	0.0360
Co 228.615	-0.0214u	0.6327	0.5383
Cr 267.716	-0.0600u	-0.1874u	-0.2928u
Cu 324.754	0.5793	0.8233	0.7332
Fe 271.441	567.183	568.799	573.037
K 766.491	730.967	733.556	739.189
Mg 279.078	969.421	963.051	972.537
Mn 257.610	115.129	115.153	115.926
Mo 202.032	0.1758	-0.3754u	-0.2438u
Na 330.237	1573.16	1568.45	1573.31
Ni 231.604	0.0257	-0.5926u	0.8064
Pb 220.353	-2.1043u	2.9521	-4.1973u
Sb 206.834	0.2197	-0.5791u	2.0600
Se 196.026	14.0952	1.6836	-2.4004u
Sn 189.925	0.7050	-0.9652u	-3.5479u
Sr 216.596	8.1618	7.3436	7.5094
Ti 334.941	0.4423	1.2978	1.2104
Tl 190.794	-1.4344u	-1.5995u	-0.2322u
V 292.401	0.2169	0.3101	0.5911
Zn 206.200	2.1341	3.5013	2.5861

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	0.1844	ppb	0.1582	85.8	-10.4208
Al 308.215	57.7664	ppb	10.4296	18.1	716.125
As 188.980	2.1830	ppb	4.6654	213.7	-3.0158
B 249.678	10.9375	ppb	0.4299	3.9	180.268
Ba 389.178	11.2271	ppb	0.2872	2.6	205.808
Be 313.042	0.0236	ppb	0.0068	28.7	-3152.51
Ca 370.602	2312	ppb	6.560	0.3	8565
Cd 226.502	0.0520	ppb	0.0688	132.3	17.0119
Co 228.615	0.3832	ppb	0.3536	92.3	-7.8926
Cr 267.716	-0.1801	ppb	0.1166	64.7	2.6565
Cu 324.754	0.7119	ppb	0.1234	17.3	238.358
Fe 271.441	569.673	ppb	3.0234	0.5	516.031
K 766.491	734.571	ppb	4.2039	0.6	95460.5
Mg 279.078	968.337	ppb	4.8351	0.5	2091.37
Mn 257.610	115.402	ppb	0.4534	0.4	15949.8
Mo 202.032	-0.1478	ppb	0.2879	194.8	4.3364
Na 330.237	1571.64	ppb	2.7649	0.2	144.671
Ni 231.604	0.0798	ppb	0.7010	878.3	3.7285
Pb 220.353	-1.1165	ppb	3.6756	329.2	-1.3275
Sb 206.834	0.5669	ppb	1.3533	238.7	6.5561
Se 196.026	4.4595	ppb	8.5910	192.6	7.1630
Sn 189.925	-1.2694	ppb	2.1427	168.8	-5.2641
Sr 216.596	7.6716	ppb	0.4326	5.6	57.2297

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Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ti 334.941	0.9835	ppb	0.4707	47.9	260.917
Tl 190.794	-1.0887	ppb	0.7463	68.6	-6.2436
V 292.401	0.3727	ppb	0.1948	52.3	20.1316
Zn 206.200	2.7405	ppb	0.6966	25.4	6.4417

640-49097-b-1-b ms (Samp) **9/13/2014, 1:26:20 AM** **Rack 4, Tube 18**

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

Label	Replicates Concentration		
Ag 328.068	49.9879	50.2677	51.1331
Al 308.215	4874.68	4880.07	4877.79
As 188.980	98.8679	95.2032	101.403
B 249.678	203.687	204.450	205.379
Ba 389.178	106.005	105.968	105.761
Be 313.042	48.8243	48.8418	48.7832
Ca 370.602	7018	7016	7004
Cd 226.502	49.4476	49.3575	49.2970
Co 228.615	48.4852	49.7557	49.5930
Cr 267.716	97.6807	98.0356	97.7657
Cu 324.754	99.3843	99.7509	99.0899
Fe 271.441	5487.26	5486.19	5478.92
K 766.491	5830.15	5852.71	5854.18
Mg 279.078	5754.27	5766.69	5746.96
Mn 257.610	618.650	619.380	618.663
Mo 202.032	95.7092	95.6458	94.8360
Na 330.237	6507.51	6486.78	6536.97
Ni 231.604	95.7842	96.3826	99.7549
Pb 220.353	57.6346	47.8655	51.8540
Sb 206.834	48.2183	46.6141	46.0581
Se 196.026	98.4800	98.2923	91.9172
Sn 189.925	190.839	192.861	198.132
Sr 216.596	101.936	102.529	103.172
Ti 334.941	96.9434	97.1147	96.9330
Tl 190.794	35.9317	34.2514	35.2915
V 292.401	97.9525	98.0403	97.9621
Zn 206.200	99.1494	99.4035	99.4825

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	50.4629	ppb	0.5970	1.2	2422.96
Al 308.215	4877.51	ppb	2.7026	0.1	28074.9
As 188.980	98.4913	ppb	3.1169	3.2	41.7240
B 249.678	204.506	ppb	0.8470	0.4	2831.61
Ba 389.178	105.911	ppb	0.1313	0.1	2208.84
Be 313.042	48.8164	ppb	0.0301	0.1	111245
Ca 370.602	7013	ppb	7.616	0.1	25951
Cd 226.502	49.3674	ppb	0.0758	0.2	1454.87
Co 228.615	49.2780	ppb	0.6913	1.4	365.504
Cr 267.716	97.8273	ppb	0.1853	0.2	2523.00
Cu 324.754	99.4084	ppb	0.3311	0.3	4984.96
Fe 271.441	5484.13	ppb	4.5353	0.1	4794.42
K 766.491	5845.68	ppb	13.4705	0.2	746890
Mg 279.078	5755.97	ppb	9.9735	0.2	12276.0
Mn 257.610	618.897	ppb	0.4176	0.1	85473.6
Mo 202.032	95.3970	ppb	0.4869	0.5	528.147

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Na 330.237	6510.42	ppb	25.2194	0.4	431.415
Ni 231.604	97.3072	ppb	2.1408	2.2	269.913
Pb 220.353	52.4514	ppb	4.9119	9.4	50.0410
Sb 206.834	46.9635	ppb	1.1217	2.4	43.9771
Se 196.026	96.2298	ppb	3.7360	3.9	38.8750
Sn 189.925	193.944	ppb	3.7651	1.9	99.3622
Sr 216.596	102.546	ppb	0.6183	0.6	742.434
Ti 334.941	96.9970	ppb	0.1020	0.1	33937.5
Tl 190.794	35.1582	ppb	0.8480	2.4	13.0074
V 292.401	97.9850	ppb	0.0482	0.0	3134.02
Zn 206.200	99.3451	ppb	0.1740	0.2	200.955

640-49097-b-1-c msd (Samp) **9/13/2014, 1:30:51 AM** **Rack 4, Tube 19**

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

Label	Replicates Concentration		
Ag 328.068	50.3227	50.3615	50.9466
Al 308.215	5003.23	4995.58	4990.07
As 188.980	104.602	108.921	109.567
B 249.678	210.658	209.878	210.473
Ba 389.178	110.303	110.073	108.700
Be 313.042	50.0358	49.8612	49.8718
Ca 370.602	7169	7154	7149
Cd 226.502	50.4486	50.1902	50.0970
Co 228.615	50.3189	51.3293	49.8743
Cr 267.716	100.119	99.7368	100.161
Cu 324.754	101.162	102.299	101.405
Fe 271.441	5597.19	5583.33	5579.43
K 766.491	5971.63	5970.55	5958.29
Mg 279.078	5878.37	5875.97	5877.56
Mn 257.610	627.043	626.088	631.336
Mo 202.032	98.3895	98.4977	98.8808
Na 330.237	6504.72	6483.73	6429.36
Ni 231.604	98.5511	100.423	99.1732
Pb 220.353	52.0308	52.4323	46.6041
Sb 206.834	50.6712	47.1352	47.1800
Se 196.026	101.739	89.4138	108.996
Sn 189.925	201.237	194.343	195.437
Sr 216.596	106.044	105.256	105.519
Ti 334.941	99.4383	99.6353	99.1291
Tl 190.794	39.8793	39.6007	34.3009
V 292.401	100.406	100.047	100.408
Zn 206.200	101.271	101.111	103.057

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	50.5436	ppb	0.3495	0.7	2426.89
Al 308.215	4996.29	ppb	6.6084	0.1	28749.2
As 188.980	107.697	ppb	2.6994	2.5	46.0015
B 249.678	210.336	ppb	0.4074	0.2	2911.52
Ba 389.178	109.692	ppb	0.8664	0.8	2288.50
Be 313.042	49.9230	ppb	0.0979	0.2	113839
Ca 370.602	7157	ppb	10.51	0.1	26486
Cd 226.502	50.2453	ppb	0.1821	0.4	1480.55
Co 228.615	50.5075	ppb	0.7456	1.5	374.879

F09122014.wvq. All Data Report 9/15/2014, 10:04:20 AM

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Cr 267.716	100.005	ppb	0.2336	0.2	2579.01
Cu 324.754	101.622	ppb	0.5989	0.6	5091.39
Fe 271.441	5586.65	ppb	9.3362	0.2	4883.73
K 766.491	5966.82	ppb	7.4108	0.1	762330
Mg 279.078	5877.30	ppb	1.2173	0.0	12534.1
Mn 257.610	628.156	ppb	2.7955	0.4	86752.3
Mo 202.032	98.5893	ppb	0.2582	0.3	545.652
Na 330.237	6472.60	ppb	38.8954	0.6	429.091
Ni 231.604	99.3822	ppb	0.9531	1.0	275.595
Pb 220.353	50.3557	ppb	3.2552	6.5	48.0107
Sb 206.834	48.3288	ppb	2.0287	4.2	45.0686
Se 196.026	100.050	ppb	9.8998	9.9	40.1922
Sn 189.925	197.006	ppb	3.7051	1.9	101.003
Sr 216.596	105.606	ppb	0.4011	0.4	764.547
Ti 334.941	99.4009	ppb	0.2552	0.3	34780.6
Tl 190.794	37.9270	ppb	3.1434	8.3	14.4894
V 292.401	100.287	ppb	0.2077	0.2	3207.23
Zn 206.200	101.813	ppb	1.0805	1.1	205.924

mb 680-348592/1-a (Samp) **9/13/2014, 1:35:21 AM** **Rack 4, Tube 20**

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

Label	Replicates Concentration		
Ag 328.068	0.5555	0.4618	-0.1044u
Al 308.215	-5.3282u	-4.3506u	-4.3059u
As 188.980	-1.1859u	6.6996	4.7656
B 249.678	3.5228	2.2210	2.9673
Ba 389.178	-0.3416u	-0.6740u	-0.6756u
Be 313.042	0.0033	0.0190	0.0178
Ca 370.602	11.95	15.42	13.11
Cd 226.502	0.1857	0.2236	0.1730
Co 228.615	0.5289	0.5084	0.4561
Cr 267.716	-0.1118u	0.1321	0.1287
Cu 324.754	0.4286	0.2811	0.4161
Fe 271.441	17.2402	17.0841	7.2253
K 766.491	8.7436	8.2436	7.7358
Mg 279.078	4.3166	1.5328	-0.1939u
Mn 257.610	0.0546	0.0954	0.0583
Mo 202.032	0.5924	0.5601	0.8300
Na 330.237	181.081	57.9556	-58.3106u
Ni 231.604	-1.3791u	-0.5541u	-0.9345u
Pb 220.353	-0.8161u	-0.3504u	1.4626
Sb 206.834	-0.3313u	2.9584	0.8050
Se 196.026	6.3865	11.9568	8.9902
Sn 189.925	7.3940	11.5074	6.7089
Sr 216.596	0.0005	0.4759	-0.2111u
Ti 334.941	0.3514	0.2836	0.3062
Tl 190.794	-1.2499u	-3.6382u	0.1671
V 292.401	-0.2354u	0.1997	0.2769
Zn 206.200	1.2945	1.8802	1.3918

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	0.3043	ppb	0.3570	117.3	-4.9359
Al 308.215	-4.6615	ppb	0.5777	12.4	361.939

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
As 188.980	3.4264	ppb	4.1098	119.9	-2.4341
B 249.678	2.9037	ppb	0.6532	22.5	70.5315
Ba 389.178	-0.5637	ppb	0.1924	34.1	-44.3974
Be 313.042	0.0134	ppb	0.0088	65.4	-3177.18
Ca 370.602	13.50	ppb	1.765	13.1	48.47
Cd 226.502	0.1941	ppb	0.0264	13.6	19.7233
Co 228.615	0.4978	ppb	0.0376	7.5	-7.0685
Cr 267.716	0.0497	ppb	0.1399	281.6	8.5560
Cu 324.754	0.3753	ppb	0.0818	21.8	224.379
Fe 271.441	13.8499	ppb	5.7376	41.4	32.5493
K 766.491	8.2410	ppb	0.5039	6.1	2887.16
Mg 279.078	1.8852	ppb	2.2758	120.7	34.6052
Mn 257.610	0.0694	ppb	0.0225	32.5	26.3459
Mo 202.032	0.6609	ppb	0.1474	22.3	8.8179
Na 330.237	60.2418	ppb	119.712	198.7	55.9730
Ni 231.604	-0.9559	ppb	0.4129	43.2	0.8755
Pb 220.353	0.0987	ppb	1.2040	1219.8	-0.1473
Sb 206.834	1.1440	ppb	1.6709	146.0	7.0210
Se 196.026	9.1112	ppb	2.7871	30.6	8.7278
Sn 189.925	8.5368	ppb	2.5954	30.4	-0.0088
Sr 216.596	0.0884	ppb	0.3518	397.9	1.6255
Ti 334.941	0.3138	ppb	0.0345	11.0	24.0935
Tl 190.794	-1.5736	ppb	1.9232	122.2	-6.4836
V 292.401	0.0804	ppb	0.2762	343.6	10.2759
Zn 206.200	1.5222	ppb	0.3138	20.6	3.9744

lcs 680-348592/2-a (Samp) **9/13/2014, 1:39:52 AM** **Rack 4, Tube 21**

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

Label	Replicates Concentration		
Ag 328.068	49.8656	50.2222	50.1537
Al 308.215	4769.93	4780.54	4788.33
As 188.980	101.151	98.5573	102.775
B 249.678	187.890	189.220	189.770
Ba 389.178	96.1083	95.1475	95.3941
Be 313.042	49.2284	49.2934	49.3097
Ca 370.602	4708	4726	4724
Cd 226.502	48.9580	48.7135	48.8493
Co 228.615	49.2632	48.4200	48.7222
Cr 267.716	97.3078	97.6876	98.2216
Cu 324.754	99.8960	99.6122	99.5441
Fe 271.441	4895.69	4888.11	4906.52
K 766.491	4933.75	4939.16	4952.38
Mg 279.078	4717.76	4732.66	4735.79
Mn 257.610	503.628	504.368	504.941
Mo 202.032	96.6018	97.1788	95.7368
Na 330.237	4936.69	4729.64	5184.53
Ni 231.604	96.4923	97.9803	97.7987
Pb 220.353	49.5292	54.0317	49.6207
Sb 206.834	45.6744	48.4734	48.5154
Se 196.026	90.6107	94.1039	102.411
Sn 189.925	201.033	202.766	205.594
Sr 216.596	94.1275	95.1686	93.8196
Ti 334.941	96.8433	97.0083	97.1708

Label	Replicates Concentration		
Tl 190.794	45.8681	31.4492	37.7577
V 292.401	97.6075	97.3219	96.9953
Zn 206.200	97.9088	98.4162	98.7475

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	50.0805	ppb	0.1893	0.4	2404.15
Al 308.215	4779.60	ppb	9.2337	0.2	27519.4
As 188.980	100.828	ppb	2.1275	2.1	42.8138
B 249.678	188.960	ppb	0.9668	0.5	2618.85
Ba 389.178	95.5500	ppb	0.4990	0.5	1988.39
Be 313.042	49.2772	ppb	0.0430	0.1	112324
Ca 370.602	4719	ppb	9.736	0.2	17455
Cd 226.502	48.8402	ppb	0.1225	0.3	1438.22
Co 228.615	48.8018	ppb	0.4272	0.9	361.821
Cr 267.716	97.7390	ppb	0.4590	0.5	2520.72
Cu 324.754	99.6841	ppb	0.1867	0.2	5000.46
Fe 271.441	4896.77	ppb	9.2542	0.2	4283.48
K 766.491	4941.76	ppb	9.5816	0.2	631682
Mg 279.078	4728.73	ppb	9.6360	0.2	10089.8
Mn 257.610	504.313	ppb	0.6584	0.1	69653.0
Mo 202.032	96.5058	ppb	0.7258	0.8	534.277
Na 330.237	4950.29	ppb	227.747	4.6	339.842
Ni 231.604	97.4238	ppb	0.8118	0.8	270.213
Pb 220.353	51.0605	ppb	2.5735	5.0	48.7082
Sb 206.834	47.5544	ppb	1.6282	3.4	44.4483
Se 196.026	95.7085	ppb	6.0615	6.3	38.6612
Sn 189.925	203.131	ppb	2.3022	1.1	104.286
Sr 216.596	94.3719	ppb	0.7069	0.7	682.527
Ti 334.941	97.0075	ppb	0.1638	0.2	33939.0
Tl 190.794	38.3583	ppb	7.2282	18.8	14.7477
V 292.401	97.3082	ppb	0.3063	0.3	3111.75
Zn 206.200	98.3575	ppb	0.4224	0.4	198.953

680-105164-a-1-a (Samp) **9/13/2014, 1:44:22 AM** **Rack 4, Tube 22**

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

Label	Replicates Concentration		
Ag 328.068	-1.3609u	-1.1363u	-1.0215u
Al 308.215	132628	132531	132933
As 188.980	14.3928	15.8122	10.2311
B 249.678	8.7205	9.2205	8.7519
Ba 389.178	468.468	470.230	469.670
Be 313.042	3.5331	3.5239	3.5207
Ca 370.602	11284	11279	11298
Cd 226.502	0.9141	0.9150	0.8407
Co 228.615	65.4475	63.5572	64.6045
Cr 267.716	163.251	163.559	164.238
Cu 324.754	105.142	104.886	104.189
Fe 271.441	167509	167347	167389
K 766.491	6926.84	6932.71	6932.77
Mg 279.078	13740.6	13745.5	13767.7
Mn 257.610	1741.29	1740.97	1743.98
Mo 202.032	2.1966u	2.0453u	2.3985u
Na 330.237	554.034u	668.456u	665.217u

Label	Replicates Concentration		
Ni 231.604	91.0608	89.4669	89.8553
Pb 220.353	78.0732	81.8871	82.4419
Sb 206.834	-5.5234u	-4.9396u	2.7661
Se 196.026	2.2933	-10.6182u	-3.2746
Sn 189.925	13.9500	17.9174	7.9842
Sr 216.596	97.7488	97.3168	98.5332
Ti 334.941	1939.30	1935.59	1942.64
Tl 190.794	7.3458u	7.1849u	10.1779u
V 292.401	406.123	405.759	406.457
Zn 206.200	182.350	181.974	182.285

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-1.1729	ppb	0.1726	14.7	-86.8473
Al 308.215	132697	ppb	209.846	0.2	753353
As 188.980	13.4787	ppb	2.9007	21.5	1.1037
B 249.678	8.8976	ppb	0.2800	3.1	41.3079
Ba 389.178	469.456	ppb	0.9004	0.2	10125.1
Be 313.042	3.5259	ppb	0.0064	0.2	5198.57
Ca 370.602	11287	ppb	10.05	0.1	39985
Cd 226.502	0.8900	ppb	0.0427	4.8	458.207
Co 228.615	64.5364	ppb	0.9470	1.5	517.973
Cr 267.716	163.682	ppb	0.5053	0.3	4214.95
Cu 324.754	104.739	ppb	0.4929	0.5	5197.07
Fe 271.441	167415	ppb	84.3340	0.1	145656
K 766.491	6930.77	ppb	3.4019	0.0	885189
Mg 279.078	13751.2	ppb	14.4447	0.1	28980.3
Mn 257.610	1742.08	ppb	1.6490	0.1	240873
Mo 202.032	2.2134	ppb	0.1772	8.0	3.7795
Na 330.237	629.235	ppb	65.1468	10.4	-14.5169
Ni 231.604	90.1277	ppb	0.8311	0.9	255.913
Pb 220.353	80.8007	ppb	2.3784	2.9	70.1847
Sb 206.834	-2.5656	ppb	4.6267	180.3	4.9685
Se 196.026	-3.8665	ppb	6.4761	167.5	6.7357
Sn 189.925	13.2839	ppb	5.0000	37.6	2.5352
Sr 216.596	97.8663	ppb	0.6166	0.6	818.569
Ti 334.941	1939.17	ppb	3.5248	0.2	679921
Tl 190.794	8.2362	ppb	1.6835	20.4	-13.2398
V 292.401	406.113	ppb	0.3487	0.1	13153.3
Zn 206.200	182.203	ppb	0.2009	0.1	371.226

680-105164-a-1-aSD^5 (Samp) **9/13/2014, 1:48:53 AM** **Rack 4, Tube 23**

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

Label	Replicates Concentration		
Ag 328.068	0.0236u	0.2180	0.4958
Al 308.215	26517.1	26585.9	26558.8
As 188.980	4.2637	0.2357u	0.3464u
B 249.678	2.5529	2.0051	2.6170
Ba 389.178	95.4896	97.0766	96.1503
Be 313.042	0.7117	0.6982	0.7071
Ca 370.602	2281	2282	2283
Cd 226.502	0.2259	0.1191	0.1449
Co 228.615	12.8242	14.1186	13.0427
Cr 267.716	32.7528	33.0383	32.9114

Label	Replicates Concentration		
Cu 324.754	20.9757	21.2596	20.6553
Fe 271.441	34183.5	34300.8	34174.1
K 766.491	1332.25	1333.83	1331.83
Mg 279.078	2828.85	2826.32	2830.21
Mn 257.610	354.594	355.366	354.866
Mo 202.032	0.6831	0.4619u	0.6380
Na 330.237	179.739u	213.296u	213.503u
Ni 231.604	20.1004	19.2712	21.1167
Pb 220.353	15.2019	16.4832	12.8529
Sb 206.834	3.6460	-2.9704u	-4.9036u
Se 196.026	-3.7516u	12.5843	1.4073
Sn 189.925	2.3805	-1.3823u	0.7540
Sr 216.596	20.0830	18.7855	19.3319
Ti 334.941	395.977	397.593	396.809
Tl 190.794	2.6539u	4.1242u	0.5117u
V 292.401	82.3168	82.2345	82.2569
Zn 206.200	37.1590	38.1246	38.1085

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	0.2458	ppb	0.2373	96.6	-9.9183
Al 308.215	26553.9	ppb	34.6438	0.1	151063
As 188.980	1.6153	ppb	2.2943	142.0	-3.5081
B 249.678	2.3917	ppb	0.3363	14.1	40.6436
Ba 389.178	96.2388	ppb	0.7972	0.8	2049.76
Be 313.042	0.7057	ppb	0.0069	1.0	-1525.52
Ca 370.602	2282	ppb	0.7033	0.0	8078
Cd 226.502	0.1633	ppb	0.0557	34.1	104.592
Co 228.615	13.3285	ppb	0.6929	5.2	98.2917
Cr 267.716	32.9008	ppb	0.1431	0.4	853.031
Cu 324.754	20.9636	ppb	0.3023	1.4	1205.01
Fe 271.441	34219.4	ppb	70.6069	0.2	29788.2
K 766.491	1332.64	ppb	1.0567	0.1	171686
Mg 279.078	2828.46	ppb	1.9710	0.1	5985.41
Mn 257.610	354.942	ppb	0.3918	0.1	49090.9
Mo 202.032	0.5943	ppb	0.1169	19.7	5.6742
Na 330.237	202.179	ppb	19.4342	9.6	43.0241
Ni 231.604	20.1628	ppb	0.9243	4.6	59.8515
Pb 220.353	14.8460	ppb	1.8411	12.4	12.5631
Sb 206.834	-1.4093	ppb	4.4835	318.1	5.1179
Se 196.026	3.4133	ppb	8.3507	244.6	7.2745
Sn 189.925	0.5841	ppb	1.8871	323.1	-4.2711
Sr 216.596	19.4001	ppb	0.6514	3.4	163.723
Ti 334.941	396.793	ppb	0.8081	0.2	139057
Tl 190.794	2.4299	ppb	1.8167	74.8	-6.7925
V 292.401	82.2694	ppb	0.0425	0.1	2671.02
Zn 206.200	37.7974	ppb	0.5529	1.5	77.7227

680-105164-a-1-aPDS (Samp) **9/13/2014, 1:53:23 AM** **Rack 4, Tube 24**

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

Label	Replicates Concentration		
Ag 328.068	48.8229	48.8340	48.5129
Al 308.215	133648	133973	133856
As 188.980	227.722	218.854	223.086

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Label	Replicates Concentration		
B 249.678	511.815	515.476	516.948
Ba 389.178	669.699	671.600	671.944
Be 313.042	57.1576	57.1851	57.1942
Ca 370.602	13087	13105	13089
Cd 226.502	53.6276	53.6580	53.8069
Co 228.615	273.148	275.201	271.120
Cr 267.716	369.077	369.745	369.169
Cu 324.754	323.498	324.650	323.238
Fe 271.441	167548	167604	167392
K 766.491	9180.50	9220.69	9207.19
Mg 279.078	15645.9	15684.0	15643.4
Mn 257.610	1938.84	1940.09	1939.27
Mo 202.032	207.417	207.106	208.981
Na 330.237	3016.25	2780.12	2794.88
Ni 231.604	296.435	297.922	293.902
Pb 220.353	297.426	285.845	288.592
Sb 206.834	194.372	208.793	204.162
Se 196.026	198.404	200.925	190.264
Sn 189.925	219.124	213.574	221.796
Sr 216.596	301.666	301.684	301.999
Ti 334.941	2117.10	2122.49	2115.05
Tl 190.794	206.767	201.076	209.869
V 292.401	609.520	610.534	609.803
Zn 206.200	388.659	390.787	388.659

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	48.7233	ppb	0.1823	0.4	2327.69
Al 308.215	133825	ppb	164.844	0.1	759777
As 188.980	223.221	ppb	4.4359	2.0	98.6077
B 249.678	514.746	ppb	2.6430	0.5	6979.25
Ba 389.178	671.081	ppb	1.2093	0.2	14352.2
Be 313.042	57.1790	ppb	0.0190	0.0	131005
Ca 370.602	13094	ppb	9.640	0.1	46717
Cd 226.502	53.6975	ppb	0.0959	0.2	1985.86
Co 228.615	273.156	ppb	2.0406	0.7	2110.73
Cr 267.716	369.330	ppb	0.3619	0.1	9503.25
Cu 324.754	323.796	ppb	0.7513	0.2	15741.0
Fe 271.441	167515	ppb	109.991	0.1	145757
K 766.491	9202.80	ppb	20.4502	0.2	1174766
Mg 279.078	15657.8	ppb	22.7675	0.1	33039.0
Mn 257.610	1939.40	ppb	0.6355	0.0	268116
Mo 202.032	207.834	ppb	1.0048	0.5	1131.88
Na 330.237	2863.75	ppb	132.273	4.6	113.366
Ni 231.604	296.086	ppb	2.0322	0.7	819.430
Pb 220.353	290.621	ppb	6.0516	2.1	272.389
Sb 206.834	202.442	ppb	7.3625	3.6	172.498
Se 196.026	196.531	ppb	5.5715	2.8	75.6862
Sn 189.925	218.165	ppb	4.1944	1.9	112.342
Sr 216.596	301.783	ppb	0.1873	0.1	2282.90
Ti 334.941	2118.22	ppb	3.8443	0.2	742704
Tl 190.794	205.904	ppb	4.4599	2.2	93.2075
V 292.401	609.952	ppb	0.5232	0.1	19650.1
Zn 206.200	389.368	ppb	1.2288	0.3	788.147

Cont Calib Verif (CCV) **9/13/2014, 1:57:54 AM** **Rack 4, Tube 25**

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

Label	Replicates Concentration		
Ag 328.068	492.388	494.361	490.721
Al 308.215	4869.75	4862.57	4861.93
As 188.980	484.364	479.863	479.198
B 249.678	504.296	507.829	508.561
Ba 389.178	4829.54	4832.88	4832.11
Be 313.042	495.856	494.415	491.796
Ca 370.602	4866	4863	4859
Cd 226.502	488.064	487.338	487.039
Co 228.615	486.839	488.376	488.451
Cr 267.716	4874.74	4879.86	4879.99
Cu 324.754	4933.58	4969.50	4941.69
Fe 271.441	4945.73	4945.23	4940.93
K 766.491	10016.4	10019.0	10017.3
Mg 279.078	4867.31	4871.74	4883.47
Mn 257.610	4946.86	4945.78	4961.32
Mo 202.032	488.223	488.090	490.220
Na 330.237	7413.93	7182.07	7146.95
Ni 231.604	2447.50	2459.18	2455.13
Pb 220.353	491.138	503.530	493.176
Sb 206.834	941.260	937.398	943.002
Se 196.026	4942.90	4944.18	4924.71
Sn 189.925	4814.18	4819.06	4823.88
Sr 216.596	2417.20	2418.69	2416.71
Ti 334.941	480.866	481.355	480.952
Tl 190.794	4932.91	4914.88	4931.22
V 292.401	4862.61	4870.10	4871.94
Zn 206.200	2438.50	2440.39	2448.49

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Ag 328.068	492.490	ppb	1.8224	0.4	23831.3	98.49797
Al 308.215	4864.75	ppb	4.3451	0.1	28268.9	97.29502
As 188.980	481.142	ppb	2.8102	0.6	219.622	96.22838
B 249.678	506.895	ppb	2.2808	0.4	6990.00	101.37910
Ba 389.178	4831.51	ppb	1.7509	0.0	101136	96.63017
Be 313.042	494.022	ppb	2.0579	0.4	1156279	98.80445
Ca 370.602	4863	ppb	3.828	0.1	18068	97.25662
Cd 226.502	487.480	ppb	0.5273	0.1	14118.3	97.49602
Co 228.615	487.888	ppb	0.9101	0.2	3714.94	97.57770
Cr 267.716	4878.20	ppb	2.9960	0.1	125451	97.56390
Cu 324.754	4948.26	ppb	18.8385	0.4	238402	98.96511
Fe 271.441	4943.97	ppb	2.6393	0.1	4369.37	98.87930
K 766.491	10017.6	ppb	1.3069	0.0	1278616	100.17596
Mg 279.078	4874.17	ppb	8.3514	0.2	10399.4	97.48346
Mn 257.610	4951.32	ppb	8.6769	0.2	683376	99.02640
Mo 202.032	488.844	ppb	1.1933	0.2	2684.92	97.76889
Na 330.237	7247.65	ppb	145.071	2.0	462.059	96.63534
Ni 231.604	2453.94	ppb	5.9313	0.2	6717.62	98.15740
Pb 220.353	495.948	ppb	6.6446	1.3	479.650	99.18960
Sb 206.834	940.553	ppb	2.8679	0.3	806.286	94.05534
Se 196.026	4937.27	ppb	10.8927	0.2	1704.07	98.74532
Sn 189.925	4819.04	ppb	4.8526	0.1	2578.20	96.38084
Sr 216.596	2417.53	ppb	1.0283	0.0	17379.6	96.70134

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Ti 334.941	481.058	ppb	0.2610	0.1	168601	96.21156
Tl 190.794	4926.33	ppb	9.9558	0.2	2644.90	98.52670
V 292.401	4868.22	ppb	4.9423	0.1	156184	97.36436
Zn 206.200	2442.46	ppb	5.3047	0.2	4910.50	97.69830

Cont Calib Blank (CCB) **9/13/2014, 2:02:25 AM** **Rack 4, Tube 26**

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

Label	Replicates Concentration		
Ag 328.068	-0.0557u	0.3075	0.4660
Al 308.215	-3.5123u	-3.5264u	-4.6701u
As 188.980	-1.4285u	2.7100	-4.8226u
B 249.678	7.7261	6.5969	5.9863
Ba 389.178	0.2456	1.1842	0.5175
Be 313.042	0.0567	0.0389	0.0399
Ca 370.602	-3.650u	1.720	-1.003u
Cd 226.502	0.1465	0.1687	0.0715
Co 228.615	-0.2820u	0.7077	0.4206
Cr 267.716	0.2558	0.4484	0.0518
Cu 324.754	0.4822	0.3869	0.3696
Fe 271.441	1.9559	-2.7682u	7.5404
K 766.491	-0.0106u	-0.3669u	-0.4559u
Mg 279.078	-0.6517u	-1.7816u	0.4140
Mn 257.610	0.3679	0.3118	0.2167
Mo 202.032	0.6805	0.5514	0.2047
Na 330.237	263.327	-26.3014u	-3.9052u
Ni 231.604	1.7400	0.5925	-0.0413u
Pb 220.353	1.8895	1.7431	3.0567
Sb 206.834	1.1509	-2.5442u	4.6323
Se 196.026	3.8724	-0.0341u	2.0134
Sn 189.925	-0.7256u	-1.9853u	-1.6850u
Sr 216.596	-0.0289u	-0.3437u	-0.0847u
Ti 334.941	0.2243	0.2598	0.2671
Tl 190.794	3.8312	4.8486	1.2837
V 292.401	0.7256	0.4518	0.3107
Zn 206.200	1.0354	0.3593	0.6711

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Ag 328.068	0.2393	ppb	0.2675	111.8	-8.0779	0.23927
Al 308.215	-3.9029	ppb	0.6644	17.0	366.251	-3.90294
As 188.980	-1.1803	ppb	3.7724	319.6	-4.5747	-1.18034
B 249.678	6.7698	ppb	0.8827	13.0	123.531	6.76976
Ba 389.178	0.6491	ppb	0.4829	74.4	-19.0264	0.64910
Be 313.042	0.0452	ppb	0.0100	22.2	-3102.53	0.04517
Ca 370.602	-0.9774	ppb	2.685	274.7	-5.131	-0.97743
Cd 226.502	0.1289	ppb	0.0509	39.5	17.8237	0.12890
Co 228.615	0.2821	ppb	0.5091	180.5	-8.7137	0.28209
Cr 267.716	0.2520	ppb	0.1983	78.7	13.7576	0.25200
Cu 324.754	0.4129	ppb	0.0606	14.7	226.196	0.41290
Fe 271.441	2.2427	ppb	5.1603	230.1	22.4198	2.24271
K 766.491	-0.2778	ppb	0.2356	84.8	1801.41	-0.27778
Mg 279.078	-0.6731	ppb	1.0980	163.1	29.1700	-0.67310
Mn 257.610	0.2988	ppb	0.0764	25.6	57.9764	0.29881
Mo 202.032	0.4789	ppb	0.2460	51.4	7.8197	0.47887

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Na 330.237	77.7068	ppb	161.141	207.4	57.0080	77.70679
Ni 231.604	0.7637	ppb	0.9029	118.2	5.5802	0.76373
Pb 220.353	2.2298	ppb	0.7199	32.3	1.9092	2.22977
Sb 206.834	1.0797	ppb	3.5888	332.4	6.9728	1.07967
Se 196.026	1.9506	ppb	1.9540	100.2	6.2655	1.95056
Sn 189.925	-1.4653	ppb	0.6579	44.9	-5.3694	-1.46528
Sr 216.596	-0.1524	ppb	0.1679	110.2	-0.1781	-0.15244
Ti 334.941	0.2504	ppb	0.0229	9.1	1.8791	0.25042
Tl 190.794	3.3212	ppb	1.8364	55.3	-3.8537	3.32118
V 292.401	0.4960	ppb	0.2110	42.5	23.6694	0.49601
Zn 206.200	0.6886	ppb	0.3384	49.1	2.2941	0.68857

680-105164-a-1-b ms (Samp) **9/13/2014, 2:06:56 AM** **Rack 4, Tube 27**

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

Label	Replicates Concentration		
Ag 328.068	50.4633	50.1113	50.0286
Al 308.215	173666	173712	173699
As 188.980	104.447	103.280	105.785
B 249.678	140.898	141.531	140.480
Ba 389.178	597.734	596.611	597.043
Be 313.042	53.3124	53.2340	53.2916
Ca 370.602	16282	16270	16268
Cd 226.502	50.0299	49.6804	49.2279
Co 228.615	94.1744	92.5007	93.8350
Cr 267.716	240.672	241.206	240.723
Cu 324.754	190.930	191.882	188.436
Fe 271.441	165257	165079	165037
K 766.491	11905.7	11900.9	11911.8
Mg 279.078	15635.7	15614.1	15705.4
Mn 257.610	1563.13	1563.13	1562.67
Mo 202.032	91.1683	90.8834	91.3348
Na 330.237	5755.99	5739.15	5804.68
Ni 231.604	159.757	159.400	157.972
Pb 220.353	116.267	126.999	121.018
Sb 206.834	28.7509	27.7836	33.3619
Se 196.026	95.1903	95.8444	80.6689
Sn 189.925	199.989	194.562	197.647
Sr 216.596	202.229	198.390	200.182
Ti 334.941	1748.91	1747.70	1748.19
Tl 190.794	51.4701	42.6097	47.6223
V 292.401	497.577	497.399	496.654
Zn 206.200	260.971	255.867	258.675

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	50.2011	ppb	0.2308	0.5	2398.31
Al 308.215	173692	ppb	23.6166	0.0	985974
As 188.980	104.504	ppb	1.2534	1.2	43.4332
B 249.678	140.970	ppb	0.5289	0.4	1853.72
Ba 389.178	597.129	ppb	0.5665	0.1	12799.5
Be 313.042	53.2793	ppb	0.0406	0.1	121851
Ca 370.602	16273	ppb	7.504	0.0	58462
Cd 226.502	49.6461	ppb	0.4021	0.8	1862.90
Co 228.615	93.5034	ppb	0.8848	0.9	734.778

F09122014.wvq. All Data Report 9/15/2014, 10:04:20 AM

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Cr 267.716	240.867	ppb	0.2950	0.1	6199.89
Cu 324.754	190.416	ppb	1.7797	0.9	9321.83
Fe 271.441	165124	ppb	116.774	0.1	143666
K 766.491	11906.1	ppb	5.4667	0.0	1519314
Mg 279.078	15651.7	ppb	47.7071	0.3	33030.6
Mn 257.610	1562.98	ppb	0.2670	0.0	216162
Mo 202.032	91.1288	ppb	0.2283	0.3	491.761
Na 330.237	5766.61	ppb	34.0283	0.6	291.390
Ni 231.604	159.043	ppb	0.9441	0.6	444.415
Pb 220.353	121.428	ppb	5.3776	4.4	107.773
Sb 206.834	29.9655	ppb	2.9809	9.9	30.8966
Se 196.026	90.5679	ppb	8.5790	9.5	39.1847
Sn 189.925	197.399	ppb	2.7220	1.4	101.214
Sr 216.596	200.267	ppb	1.9209	1.0	1554.66
Ti 334.941	1748.26	ppb	0.6106	0.0	612987
Tl 190.794	47.2340	ppb	4.4430	9.4	7.4239
V 292.401	497.210	ppb	0.4898	0.1	16053.9
Zn 206.200	258.504	ppb	2.5563	1.0	524.736

680-105164-a-1-c msd (Samp) **9/13/2014, 2:11:27 AM** **Rack 4, Tube 28**

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

Label	Replicates Concentration		
Ag 328.068	50.4935	50.6359	50.4144
Al 308.215	169166	168805	168398
As 188.980	104.076	104.426	106.006
B 249.678	133.602	132.919	134.036
Ba 389.178	585.864	583.931	582.200
Be 313.042	53.3897	53.1020	53.0164
Ca 370.602	16291	16193	16184
Cd 226.502	49.9137	49.7421	49.0986
Co 228.615	89.9622	87.7880	87.5608
Cr 267.716	218.989	218.631	217.788
Cu 324.754	170.655	170.131	169.368
Fe 271.441	151570	151026	150532
K 766.491	10544.2	10498.6	10492.4
Mg 279.078	13313.4	13275.0	13246.9
Mn 257.610	1303.14	1299.02	1294.09
Mo 202.032	91.1317	91.3925	91.7376
Na 330.237	5627.76	5629.11	5497.08
Ni 231.604	146.783	147.733	149.307
Pb 220.353	122.784	117.813	123.808
Sb 206.834	26.8230	29.6796	21.0041
Se 196.026	89.1335	86.2370	96.0077
Sn 189.925	197.431	196.789	199.450
Sr 216.596	204.034	203.503	201.391
Ti 334.941	1356.01	1346.93	1344.01
Tl 190.794	40.0541	38.0589	36.2314
V 292.401	472.467	470.074	468.566
Zn 206.200	232.827	232.703	229.783

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	50.5146	ppb	0.1122	0.2	2414.23
Al 308.215	168790	ppb	384.168	0.2	958155

F09122014.wvq. All Data Report 9/15/2014, 10:04:20 AM

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
As 188.980	104.836	ppb	1.0283	1.0	43.6827
B 249.678	133.519	ppb	0.5634	0.4	1760.95
Ba 389.178	583.998	ppb	1.8331	0.3	12493.8
Be 313.042	53.1694	ppb	0.1956	0.4	121585
Ca 370.602	16222	ppb	59.49	0.4	58379
Cd 226.502	49.5848	ppb	0.4297	0.9	1825.94
Co 228.615	88.4370	ppb	1.3258	1.5	689.598
Cr 267.716	218.469	ppb	0.6167	0.3	5623.94
Cu 324.754	170.051	ppb	0.6470	0.4	8349.19
Fe 271.441	151043	ppb	519.575	0.3	131416
K 766.491	10511.7	ppb	28.2583	0.3	1341594
Mg 279.078	13278.4	ppb	33.4002	0.3	28005.1
Mn 257.610	1298.75	ppb	4.5334	0.3	179653
Mo 202.032	91.4206	ppb	0.3039	0.3	494.498
Na 330.237	5584.65	ppb	75.8413	1.4	293.164
Ni 231.604	147.941	ppb	1.2750	0.9	413.552
Pb 220.353	121.468	ppb	3.2069	2.6	108.257
Sb 206.834	25.8355	ppb	4.4212	17.1	27.3329
Se 196.026	90.4594	ppb	5.0185	5.5	38.9283
Sn 189.925	197.890	ppb	1.3886	0.7	101.477
Sr 216.596	202.976	ppb	1.3982	0.7	1565.19
Ti 334.941	1348.98	ppb	6.2608	0.5	472977
Tl 190.794	38.1148	ppb	1.9120	5.0	3.4215
V 292.401	470.369	ppb	1.9671	0.4	15181.0
Zn 206.200	231.771	ppb	1.7229	0.7	470.624

680-105164-a-2-a (Samp) **9/13/2014, 2:15:58 AM** **Rack 4, Tube 29**

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

Label	Replicates Concentration		
Ag 328.068	-0.7404u	-0.2604u	-0.7202u
Al 308.215	95011.7	94987.1	95117.8
As 188.980	1.9439	10.9076	17.6420
B 249.678	20.6785	20.3326	20.1917
Ba 389.178	620.846	623.004	621.755
Be 313.042	3.4389	3.4479	3.4627
Ca 370.602	63871	63903	63947
Cd 226.502	1.0381	1.1709	0.9085
Co 228.615	104.644	105.163	104.392
Cr 267.716	261.634	262.232	261.597
Cu 324.754	157.868	155.585	157.290
Fe 271.441	119810	119887	120111
K 766.491	9892.63	9886.69	9881.16
Mg 279.078	25084.9	25077.7	25081.2
Mn 257.610	2724.91	2723.80	2727.48
Mo 202.032	5.5680	3.3679	4.2429
Na 330.237	1180.56u	1311.40u	1042.99u
Ni 231.604	259.461	259.739	256.189
Pb 220.353	80.2974	84.6201	86.5199
Sb 206.834	-3.1157u	3.4857	2.7996
Se 196.026	-4.4697	7.1082	-8.0984u
Sn 189.925	8.8809	16.5419	15.3396
Sr 216.596	135.296	136.413	137.193
Ti 334.941	2950.33	2945.07	2941.98

Label	Replicates Concentration		
Tl 190.794	-4.7095u	7.5286u	4.1790u
V 292.401	278.797	278.731	279.009
Zn 206.200	324.494	322.513	321.525

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.5737	ppb	0.2715	47.3	-51.6308
Al 308.215	95038.9	ppb	69.4442	0.1	539667
As 188.980	10.1645	ppb	7.8754	77.5	-0.1161
B 249.678	20.4009	ppb	0.2505	1.2	230.458
Ba 389.178	621.868	ppb	1.0836	0.2	13260.2
Be 313.042	3.4498	ppb	0.0120	0.3	4997.25
Ca 370.602	63907	ppb	38.13	0.1	235992
Cd 226.502	1.0392	ppb	0.1312	12.6	344.640
Co 228.615	104.733	ppb	0.3929	0.4	837.668
Cr 267.716	261.821	ppb	0.3562	0.1	6740.35
Cu 324.754	156.914	ppb	1.1869	0.8	7641.51
Fe 271.441	119936	ppb	156.440	0.1	104357
K 766.491	9886.83	ppb	5.7355	0.1	1261948
Mg 279.078	25081.3	ppb	3.5627	0.0	53198.7
Mn 257.610	2725.40	ppb	1.8871	0.1	376542
Mo 202.032	4.3929	ppb	1.1077	25.2	19.5681
Na 330.237	1178.32	ppb	134.218	11.4	22.2361
Ni 231.604	258.463	ppb	1.9743	0.8	714.831
Pb 220.353	83.8124	ppb	3.1889	3.8	74.8276
Sb 206.834	1.0566	ppb	3.6295	343.5	8.5213
Se 196.026	-1.8200	ppb	7.9420	436.4	7.2294
Sn 189.925	13.5875	ppb	4.1201	30.3	2.6980
Sr 216.596	136.301	ppb	0.9533	0.7	1070.67
Ti 334.941	2945.80	ppb	4.2190	0.1	1032895
Tl 190.794	2.3327	ppb	6.3245	271.1	-12.4918
V 292.401	278.846	ppb	0.1452	0.1	9045.94
Zn 206.200	322.844	ppb	1.5115	0.5	653.342

mb 680-348573/1-a (Samp) **9/13/2014, 2:20:29 AM** **Rack 4, Tube 30**

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

Label	Replicates Concentration		
Ag 328.068	0.6092	0.1861	0.1364
Al 308.215	2.9424	-2.1364u	0.0376
As 188.980	2.2022	-0.2876u	-3.6061u
B 249.678	2.0640	2.3548	1.8112
Ba 389.178	0.7556	0.7427	0.6324
Be 313.042	-0.0122u	0.0037	0.0082
Ca 370.602	10.32	11.10	11.70
Cd 226.502	0.1325	-0.0325u	0.1939
Co 228.615	0.3469	0.6179	0.6648
Cr 267.716	-0.0830u	-0.0675u	-0.0254u
Cu 324.754	0.4234	0.1206	0.0567
Fe 271.441	17.6902	5.3304	13.7159
K 766.491	0.5653	0.0867	-0.1133u
Mg 279.078	1.4231	-0.6893u	-0.0517u
Mn 257.610	0.1149	0.0943	0.0919
Mo 202.032	0.0749	0.1925	0.1521
Na 330.237	45.1726	232.958	113.431

Label	Replicates Concentration		
Ni 231.604	1.4854	1.3193	2.7735
Pb 220.353	1.0805	1.0255	1.8305
Sb 206.834	0.6195	2.4144	-0.8859u
Se 196.026	2.9381	6.1852	9.9015
Sn 189.925	-4.8746u	1.3490	-2.6456u
Sr 216.596	0.2675	-0.3165u	-0.1899u
Ti 334.941	1.1175	0.9773	0.7739
Tl 190.794	-4.2264u	0.5974	-0.5054u
V 292.401	-0.0504u	-0.0490u	-0.3001u
Zn 206.200	1.1592	0.4412	2.0280

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	0.3106	ppb	0.2598	83.7	-4.6327
Al 308.215	0.2812	ppb	2.5481	906.2	389.939
As 188.980	-0.5638	ppb	2.9140	516.8	-4.2884
B 249.678	2.0767	ppb	0.2720	13.1	59.1679
Ba 389.178	0.7103	ppb	0.0678	9.5	-17.7366
Be 313.042	-0.0001	ppb	0.0107	8819.2	-3208.83
Ca 370.602	11.04	ppb	0.6907	6.3	39.53
Cd 226.502	0.0980	ppb	0.1171	119.5	16.9424
Co 228.615	0.5432	ppb	0.1716	31.6	-6.7007
Cr 267.716	-0.0586	ppb	0.0298	50.8	5.7734
Cu 324.754	0.2002	ppb	0.1959	97.9	215.932
Fe 271.441	12.2455	ppb	6.3097	51.5	31.1484
K 766.491	0.1795	ppb	0.3487	194.2	1859.70
Mg 279.078	0.2274	ppb	1.0835	476.5	31.0773
Mn 257.610	0.1004	ppb	0.0127	12.6	30.6074
Mo 202.032	0.1398	ppb	0.0598	42.7	5.9594
Na 330.237	130.521	ppb	95.0521	72.8	60.1010
Ni 231.604	1.8594	ppb	0.7960	42.8	8.5781
Pb 220.353	1.3122	ppb	0.4497	34.3	1.0235
Sb 206.834	0.7160	ppb	1.6522	230.8	6.6760
Se 196.026	6.3416	ppb	3.4843	54.9	7.7755
Sn 189.925	-2.0570	ppb	3.1532	153.3	-5.6865
Sr 216.596	-0.0797	ppb	0.3072	385.6	0.3322
Ti 334.941	0.9562	ppb	0.1728	18.1	249.361
Tl 190.794	-1.3781	ppb	2.5275	183.4	-6.3784
V 292.401	-0.1332	ppb	0.1445	108.5	3.5573
Zn 206.200	1.2094	ppb	0.7946	65.7	3.3445

lcs 680-348573/2-a (Samp) **9/13/2014, 2:25:00 AM** **Rack 4, Tube 31**

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

Label	Replicates Concentration		
Ag 328.068	51.2794	50.7153	51.8011
Al 308.215	4915.72	4943.71	4936.12
As 188.980	100.159	100.326	109.666
B 249.678	198.719	200.106	199.920
Ba 389.178	98.6461	99.1955	99.5380
Be 313.042	51.2432	51.4289	51.4479
Ca 370.602	4863	4887	4875
Cd 226.502	49.4712	50.2927	50.2590
Co 228.615	50.7342	51.1669	50.2821
Cr 267.716	101.406	101.594	101.320

Label	Replicates Concentration		
Cu 324.754	102.170	103.380	103.369
Fe 271.441	5043.49	5027.37	5056.25
K 766.491	4962.78	4987.44	4983.45
Mg 279.078	4832.39	4863.86	4852.74
Mn 257.610	520.960	523.373	523.464
Mo 202.032	99.4801	99.8324	99.9460
Na 330.237	5204.75	5328.35	4950.52
Ni 231.604	100.523	98.7993	101.414
Pb 220.353	55.4173	54.6045	55.9039
Sb 206.834	50.8079	49.5414	45.7830
Se 196.026	100.507	101.957	102.669
Sn 189.925	199.358	197.967	200.686
Sr 216.596	98.4650	97.5868	99.2539
Ti 334.941	100.570	100.961	100.946
Tl 190.794	35.8832	34.5865	45.1769
V 292.401	100.918	101.870	101.837
Zn 206.200	99.0102	98.4109	97.0268

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	51.2653	ppb	0.5430	1.1	2461.52
Al 308.215	4931.85	ppb	14.4725	0.3	28383.7
As 188.980	103.384	ppb	5.4414	5.3	44.0010
B 249.678	199.582	ppb	0.7532	0.4	2764.39
Ba 389.178	99.1265	ppb	0.4499	0.5	2063.87
Be 313.042	51.3733	ppb	0.1131	0.2	117239
Ca 370.602	4875	ppb	12.44	0.3	18031
Cd 226.502	50.0076	ppb	0.4649	0.9	1472.38
Co 228.615	50.7278	ppb	0.4424	0.9	376.538
Cr 267.716	101.440	ppb	0.1404	0.1	2615.88
Cu 324.754	102.973	ppb	0.6959	0.7	5158.61
Fe 271.441	5042.37	ppb	14.4752	0.3	4410.27
K 766.491	4977.89	ppb	13.2391	0.3	636287
Mg 279.078	4849.66	ppb	15.9546	0.3	10347.0
Mn 257.610	522.599	ppb	1.4201	0.3	72177.8
Mo 202.032	99.7528	ppb	0.2429	0.2	552.078
Na 330.237	5161.21	ppb	192.644	3.7	352.123
Ni 231.604	100.245	ppb	1.3290	1.3	277.938
Pb 220.353	55.3085	ppb	0.6565	1.2	52.7963
Sb 206.834	48.7108	ppb	2.6134	5.4	45.3742
Se 196.026	101.711	ppb	1.1018	1.1	40.7309
Sn 189.925	199.337	ppb	1.3594	0.7	102.252
Sr 216.596	98.4352	ppb	0.8340	0.8	711.889
Ti 334.941	100.826	ppb	0.2214	0.2	35278.1
Tl 190.794	38.5488	ppb	5.7765	15.0	14.8441
V 292.401	101.542	ppb	0.5401	0.5	3247.00
Zn 206.200	98.1493	ppb	1.0173	1.0	198.528

680-105108-d-2-a (Samp) **9/13/2014, 2:29:31 AM** **Rack 4, Tube 32**

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

Label	Replicates Concentration		
Ag 328.068	-0.3630u	0.7477	0.0501
Al 308.215	581.543	588.782	589.381
As 188.980	-0.0441u	4.2539	3.0497

Label	Replicates Concentration		
B 249.678	16.7917	16.8264	16.1160
Ba 389.178	25.8407	27.2840	26.2450
Be 313.042	0.1450	0.1396	0.1439
Ca 370.602	508.9	507.6	509.9
Cd 226.502	0.1147	0.0780	0.0149
Co 228.615	0.2376	0.8559	0.5700
Cr 267.716	297.157	298.509	298.153
Cu 324.754	1.6258	1.3335	1.3934
Fe 271.441	1807.95	1797.30	1814.21
K 766.491	1339.54	1347.88	1343.62
Mg 279.078	586.039	582.726	584.707
Mn 257.610	5.2532	5.2003	5.2254
Mo 202.032	2.4105	1.6781	3.3961
Na 330.237	6118.06	5950.84	6016.71
Ni 231.604	10.0620	8.6286	9.9104
Pb 220.353	0.7248	5.8423	-1.3310u
Sb 206.834	-0.1492	-4.5744u	3.5366
Se 196.026	6.2145	19.9877	-2.1706u
Sn 189.925	-4.0189u	1.8896	-2.6630u
Sr 216.596	7.3039	8.0689	7.3828
Ti 334.941	9.0465	9.4061	8.9755
Tl 190.794	-2.7094u	0.0786u	-5.4697u
V 292.401	3.5482	3.6256	3.2831
Zn 206.200	2.3469	2.9707	2.6075

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	0.1449	ppb	0.5614	387.3	-12.6734
Al 308.215	586.569	ppb	4.3630	0.7	3716.92
As 188.980	2.4198	ppb	2.2171	91.6	-2.9137
B 249.678	16.5780	ppb	0.4005	2.4	256.791
Ba 389.178	26.4566	ppb	0.7445	2.8	525.878
Be 313.042	0.1428	ppb	0.0028	2.0	-2873.78
Ca 370.602	508.8	ppb	1.161	0.2	1862
Cd 226.502	0.0692	ppb	0.0505	72.9	20.6186
Co 228.615	0.5545	ppb	0.3094	55.8	-6.4600
Cr 267.716	297.939	ppb	0.7006	0.2	7671.44
Cu 324.754	1.4509	ppb	0.1544	10.6	275.534
Fe 271.441	1806.49	ppb	8.5482	0.5	1590.65
K 766.491	1343.68	ppb	4.1679	0.3	173093
Mg 279.078	584.491	ppb	1.6672	0.3	1271.57
Mn 257.610	5.2263	ppb	0.0265	0.5	745.190
Mo 202.032	2.4949	ppb	0.8621	34.6	18.7352
Na 330.237	6028.54	ppb	84.2341	1.4	406.311
Ni 231.604	9.5337	ppb	0.7875	8.3	29.6378
Pb 220.353	1.7454	ppb	3.6939	211.6	1.5372
Sb 206.834	-0.3957	ppb	4.0611	1026.3	7.5445
Se 196.026	8.0105	ppb	11.1878	139.7	8.3761
Sn 189.925	-1.5974	ppb	3.0950	193.8	-5.4391
Sr 216.596	7.5852	ppb	0.4208	5.5	56.7209
Ti 334.941	9.1427	ppb	0.2309	2.5	3120.86
Tl 190.794	-2.7002	ppb	2.7742	102.7	-7.2168
V 292.401	3.4856	ppb	0.1796	5.2	100.286
Zn 206.200	2.6417	ppb	0.3133	11.9	5.5570

680-105108-d-2-aSD^5 (Samp) **9/13/2014, 2:34:02 AM** **Rack 4, Tube 33**

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

Label	Replicates Concentration		
Ag 328.068	0.7435	0.5050	0.4236
Al 308.215	168.633	162.095	154.855
As 188.980	7.0529	-3.4560u	0.7633
B 249.678	4.2700	3.9772	4.1318
Ba 389.178	6.2286	5.6791	5.4309
Be 313.042	0.0362	0.0685	0.0418
Ca 370.602	113.1	113.1	107.6
Cd 226.502	0.1320	-0.0256	-0.0568u
Co 228.615	0.0135	0.4889	-0.2570u
Cr 267.716	64.0604	62.1129	61.3099
Cu 324.754	0.3955	0.6927	0.4389
Fe 271.441	398.484	383.322	382.625
K 766.491	297.398	288.316	287.581
Mg 279.078	128.522	124.470	122.855
Mn 257.610	1.2343	1.1982	1.1464
Mo 202.032	0.4453	-0.2670u	1.0393
Na 330.237	1301.25	1203.79	1116.89
Ni 231.604	1.2355	0.5996	1.7395
Pb 220.353	4.4890	5.8335	0.0606
Sb 206.834	-0.1921	2.0308	3.0257
Se 196.026	11.7169	-10.1724u	-5.5683u
Sn 189.925	-2.7498u	-5.1185u	4.4674
Sr 216.596	1.8670	1.9073	1.4621
Ti 334.941	3.4045	3.3701	3.1401
Tl 190.794	2.3591	8.8174	-4.5393u
V 292.401	0.6670	0.5643	0.6947
Zn 206.200	2.3000	1.8812	2.5771

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	0.5574	ppb	0.1663	29.8	7.2978
Al 308.215	161.861	ppb	6.8921	4.3	1306.81
As 188.980	1.4534	ppb	5.2883	363.9	-3.3535
B 249.678	4.1263	ppb	0.1464	3.5	87.0314
Ba 389.178	5.7795	ppb	0.4082	7.1	89.3694
Be 313.042	0.0489	ppb	0.0173	35.4	-3094.01
Ca 370.602	111.2	ppb	3.141	2.8	406.4
Cd 226.502	0.0165	ppb	0.1012	612.1	15.5436
Co 228.615	0.0818	ppb	0.3776	461.5	-10.1815
Cr 267.716	62.4944	ppb	1.4144	2.3	1614.88
Cu 324.754	0.5090	ppb	0.1605	31.5	230.662
Fe 271.441	388.144	ppb	8.9616	2.3	357.849
K 766.491	291.099	ppb	5.4682	1.9	38938.4
Mg 279.078	125.282	ppb	2.9197	2.3	296.599
Mn 257.610	1.1929	ppb	0.0442	3.7	182.912
Mo 202.032	0.4058	ppb	0.6541	161.2	7.3880
Na 330.237	1207.31	ppb	92.2293	7.6	123.269
Ni 231.604	1.1915	ppb	0.5712	47.9	6.7642
Pb 220.353	3.4611	ppb	3.0206	87.3	3.1152
Sb 206.834	1.6214	ppb	1.6475	101.6	7.8032
Se 196.026	-1.3413	ppb	11.5407	860.4	5.1393
Sn 189.925	-1.1336	ppb	4.9932	440.5	-5.1914
Sr 216.596	1.7455	ppb	0.2462	14.1	13.8020

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ti 334.941	3.3049	ppb	0.1437	4.3	1073.11
Tl 190.794	2.2124	ppb	6.6796	301.9	-4.4772
V 292.401	0.6420	ppb	0.0687	10.7	24.4125
Zn 206.200	2.2528	ppb	0.3503	15.6	5.3055

680-105108-d-2-aPDS (Samp) **9/13/2014, 2:38:32 AM** **Rack 4, Tube 34**

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

Label	Replicates Concentration		
Ag 328.068	49.1578	49.5492	49.1929
Al 308.215	2894.62	2882.33	2889.54
As 188.980	210.446	211.520	198.869
B 249.678	528.087	527.663	530.299
Ba 389.178	239.651	238.830	239.412
Be 313.042	55.3800	55.2384	55.3963
Ca 370.602	2464	2458	2461
Cd 226.502	53.7787	54.2069	53.9633
Co 228.615	216.286	215.424	215.749
Cr 267.716	507.306	505.468	509.191
Cu 324.754	223.638	222.169	222.404
Fe 271.441	3957.72	3944.02	3975.19
K 766.491	3570.10	3555.96	3567.45
Mg 279.078	2707.15	2706.16	2709.21
Mn 257.610	229.280	228.981	229.695
Mo 202.032	214.444	213.248	214.073
Na 330.237	8063.08	8181.15	8285.26
Ni 231.604	221.091	221.385	220.414
Pb 220.353	209.220	220.462	214.475
Sb 206.834	196.638	197.846	204.678
Se 196.026	208.003	214.448	217.815
Sn 189.925	224.653	212.815	212.124
Sr 216.596	219.435	218.252	219.354
Ti 334.941	228.895	229.074	229.923
Tl 190.794	210.864	203.115	208.622
V 292.401	218.336	217.803	218.878
Zn 206.200	217.599	215.597	218.260

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	49.2999	ppb	0.2166	0.4	2365.92
Al 308.215	2888.83	ppb	6.1790	0.2	16804.3
As 188.980	206.945	ppb	7.0142	3.4	92.1557
B 249.678	528.683	ppb	1.4155	0.3	7279.38
Ba 389.178	239.298	ppb	0.4222	0.2	4991.39
Be 313.042	55.3382	ppb	0.0868	0.2	126551
Ca 370.602	2461	ppb	2.743	0.1	9120
Cd 226.502	53.9830	ppb	0.2148	0.4	1584.60
Co 228.615	215.820	ppb	0.4355	0.2	1637.63
Cr 267.716	507.321	ppb	1.8616	0.4	13055.7
Cu 324.754	222.737	ppb	0.7887	0.4	10925.9
Fe 271.441	3958.98	ppb	15.6245	0.4	3477.70
K 766.491	3564.50	ppb	7.5184	0.2	456145
Mg 279.078	2707.51	ppb	1.5569	0.1	5787.79
Mn 257.610	229.319	ppb	0.3583	0.2	31688.4
Mo 202.032	213.922	ppb	0.6124	0.3	1178.55

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Na 330.237	8176.50	ppb	111.163	1.4	527.692
Ni 231.604	220.963	ppb	0.4979	0.2	608.184
Pb 220.353	214.719	ppb	5.6249	2.6	206.703
Sb 206.834	199.721	ppb	4.3355	2.2	170.956
Se 196.026	213.422	ppb	4.9860	2.3	79.0775
Sn 189.925	216.531	ppb	7.0424	3.3	111.468
Sr 216.596	219.013	ppb	0.6605	0.3	1576.27
Ti 334.941	229.297	ppb	0.5494	0.2	80320.0
Tl 190.794	207.533	ppb	3.9875	1.9	105.870
V 292.401	218.339	ppb	0.5375	0.2	6950.92
Zn 206.200	217.152	ppb	1.3862	0.6	437.303

680-105108-d-2-b ms (Samp) **9/13/2014, 2:43:03 AM** **Rack 4, Tube 35**

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

Label	Replicates Concentration		
Ag 328.068	50.6398	51.3043	50.5328
Al 308.215	5720.50	5735.10	5740.58
As 188.980	101.937	98.3829	105.969
B 249.678	213.313	214.765	216.106
Ba 389.178	123.652	124.546	123.756
Be 313.042	51.3341	51.4666	51.4581
Ca 370.602	5318	5326	5325
Cd 226.502	49.4375	49.7189	49.6600
Co 228.615	50.1437	50.3030	50.9422
Cr 267.716	418.719	420.002	420.341
Cu 324.754	103.491	104.031	103.624
Fe 271.441	6895.36	6930.46	6914.15
K 766.491	6283.86	6288.54	6287.33
Mg 279.078	5385.79	5400.52	5404.36
Mn 257.610	521.865	523.663	523.775
Mo 202.032	101.216	100.515	101.728
Na 330.237	11076.4	10939.1	10910.8
Ni 231.604	107.774	108.674	106.756
Pb 220.353	51.7847	57.5443	55.2971
Sb 206.834	50.8093	49.4615	52.2933
Se 196.026	106.121	98.7798	99.1720
Sn 189.925	194.165	194.081	199.414
Sr 216.596	105.194	106.197	104.853
Ti 334.941	109.128	109.187	109.482
Tl 190.794	41.3076	35.8526	35.0567
V 292.401	104.164	104.529	105.018
Zn 206.200	99.2739	100.606	99.4116

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	50.8256	ppb	0.4180	0.8	2440.21
Al 308.215	5732.06	ppb	10.3820	0.2	32924.4
As 188.980	102.096	ppb	3.7957	3.7	43.3902
B 249.678	214.728	ppb	1.3966	0.7	2970.87
Ba 389.178	123.985	ppb	0.4892	0.4	2588.97
Be 313.042	51.4196	ppb	0.0742	0.1	117347
Ca 370.602	5323	ppb	4.719	0.1	19667
Cd 226.502	49.6055	ppb	0.1484	0.3	1465.50
Co 228.615	50.4630	ppb	0.4226	0.8	374.702

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Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Cr 267.716	419.688	ppb	0.8554	0.2	10802.5
Cu 324.754	103.715	ppb	0.2810	0.3	5193.75
Fe 271.441	6913.32	ppb	17.5655	0.3	6036.39
K 766.491	6286.58	ppb	2.4321	0.0	803084
Mg 279.078	5396.89	ppb	9.8060	0.2	11508.4
Mn 257.610	523.101	ppb	1.0719	0.2	72254.1
Mo 202.032	101.153	ppb	0.6089	0.6	559.609
Na 330.237	10975.4	ppb	88.5973	0.8	693.353
Ni 231.604	107.735	ppb	0.9597	0.9	298.495
Pb 220.353	54.8754	ppb	2.9029	5.3	52.4753
Sb 206.834	50.8547	ppb	1.4164	2.8	49.0838
Se 196.026	101.358	ppb	4.1301	4.1	40.6367
Sn 189.925	195.887	ppb	3.0550	1.6	100.404
Sr 216.596	105.415	ppb	0.6985	0.7	763.412
Ti 334.941	109.266	ppb	0.1899	0.2	38238.5
Tl 190.794	37.4056	ppb	3.4026	9.1	14.0923
V 292.401	104.571	ppb	0.4285	0.4	3323.64
Zn 206.200	99.7640	ppb	0.7328	0.7	201.059

680-105108-d-2-c msd (Samp) **9/13/2014, 2:47:34 AM** **Rack 4, Tube 36**

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

Label	Replicates Concentration		
Ag 328.068	49.5988	49.8421	49.3111
Al 308.215	5601.97	5625.37	5608.54
As 188.980	93.9560	95.7206	106.894
B 249.678	204.111	205.938	204.725
Ba 389.178	118.824	118.321	119.151
Be 313.042	49.2486	49.4281	49.2561
Ca 370.602	5110	5124	5110
Cd 226.502	47.5639	47.7123	47.3936
Co 228.615	48.7402	48.1859	48.2577
Cr 267.716	425.923	427.139	427.449
Cu 324.754	98.9103	99.7617	99.5325
Fe 271.441	6702.00	6736.57	6718.90
K 766.491	6065.31	6084.77	6078.46
Mg 279.078	5182.94	5213.65	5194.12
Mn 257.610	501.414	502.962	501.671
Mo 202.032	96.1143	97.5566	97.9510
Na 330.237	10641.7	10683.8	10906.7
Ni 231.604	102.084	102.434	103.051
Pb 220.353	53.4293	49.1919	51.3942
Sb 206.834	42.1409	43.4472	50.3171
Se 196.026	91.9796	96.9567	92.4482
Sn 189.925	190.066	182.650	191.942
Sr 216.596	100.540	101.639	99.9981
Ti 334.941	106.022	106.671	106.030
Tl 190.794	35.0285	40.1087	36.7907
V 292.401	100.075	100.218	99.8362
Zn 206.200	96.9810	98.7638	96.9319

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	49.5840	ppb	0.2658	0.5	2380.10
Al 308.215	5611.96	ppb	12.0707	0.2	32242.5

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
As 188.980	98.8569	ppb	7.0161	7.1	41.8855
B 249.678	204.925	ppb	0.9296	0.5	2836.55
Ba 389.178	118.765	ppb	0.4182	0.4	2478.83
Be 313.042	49.3110	ppb	0.1015	0.2	112403
Ca 370.602	5114	ppb	7.912	0.2	18896
Cd 226.502	47.5566	ppb	0.1595	0.3	1405.75
Co 228.615	48.3946	ppb	0.3015	0.6	358.918
Cr 267.716	426.837	ppb	0.8064	0.2	10986.4
Cu 324.754	99.4015	ppb	0.4405	0.4	4986.28
Fe 271.441	6719.16	ppb	17.2832	0.3	5867.29
K 766.491	6076.18	ppb	9.9298	0.2	776268
Mg 279.078	5196.90	ppb	15.5425	0.3	11083.0
Mn 257.610	502.016	ppb	0.8295	0.2	69342.7
Mo 202.032	97.2073	ppb	0.9669	1.0	537.976
Na 330.237	10744.0	ppb	142.403	1.3	679.877
Ni 231.604	102.523	ppb	0.4894	0.5	284.229
Pb 220.353	51.3385	ppb	2.1193	4.1	49.0777
Sb 206.834	45.3017	ppb	4.3923	9.7	44.5945
Se 196.026	93.7949	ppb	2.7482	2.9	38.0294
Sn 189.925	188.219	ppb	4.9137	2.6	96.2947
Sr 216.596	100.726	ppb	0.8362	0.8	729.566
Ti 334.941	106.241	ppb	0.3728	0.4	37177.5
Tl 190.794	37.3093	ppb	2.5795	6.9	14.0488
V 292.401	100.043	ppb	0.1929	0.2	3178.37
Zn 206.200	97.5589	ppb	1.0437	1.1	196.596

Cont Calib Verif (CCV) **9/13/2014, 2:52:05 AM** **Rack 4, Tube 37**

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

Label	Replicates Concentration		
Ag 328.068	491.692	490.431	491.997
Al 308.215	4891.50	4882.18	4883.62
As 188.980	478.367	483.192	479.156
B 249.678	506.535	505.337	507.406
Ba 389.178	4860.92	4848.59	4846.79
Be 313.042	496.519	497.387	496.842
Ca 370.602	4896	4883	4886
Cd 226.502	488.781	489.593	489.195
Co 228.615	490.285	489.540	489.770
Cr 267.716	4903.14	4898.03	4896.12
Cu 324.754	4905.11	4932.80	4991.23
Fe 271.441	4944.67	4952.29	4946.43
K 766.491	10076.3	10056.5	10052.1
Mg 279.078	4901.68	4883.07	4890.72
Mn 257.610	4959.20	4991.52	4973.75
Mo 202.032	490.102	487.978	490.200
Na 330.237	7468.97	7315.96	7129.84
Ni 231.604	2461.18	2461.12	2455.46
Pb 220.353	494.528	494.856	497.343
Sb 206.834	946.879	954.527	945.084
Se 196.026	4951.32	4941.66	4948.12
Sn 189.925	4832.07	4838.71	4845.49
Sr 216.596	2427.89	2422.73	2426.30
Ti 334.941	483.393	482.031	482.275

Label	Replicates Concentration		
Tl 190.794	4929.48	4929.58	4920.28
V 292.401	4890.23	4889.95	4890.41
Zn 206.200	2456.14	2460.04	2454.67

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Ag 328.068	491.373	ppb	0.8306	0.2	23777.4	98.27466
Al 308.215	4885.77	ppb	5.0184	0.1	28389.7	97.71536
As 188.980	480.238	ppb	2.5879	0.5	219.202	96.04767
B 249.678	506.426	ppb	1.0389	0.2	6983.63	101.28519
Ba 389.178	4852.10	ppb	7.6931	0.2	101568	97.04195
Be 313.042	496.916	ppb	0.4385	0.1	1163072	99.38322
Ca 370.602	4888	ppb	6.875	0.1	18163	97.76828
Cd 226.502	489.190	ppb	0.4059	0.1	14167.8	97.83791
Co 228.615	489.865	ppb	0.3815	0.1	3730.07	97.97302
Cr 267.716	4899.10	ppb	3.6278	0.1	125988	97.98193
Cu 324.754	4943.05	ppb	43.9669	0.9	238151	98.86095
Fe 271.441	4947.80	ppb	3.9940	0.1	4373.06	98.95594
K 766.491	10061.6	ppb	12.8694	0.1	1284227	100.61624
Mg 279.078	4891.82	ppb	9.3564	0.2	10436.9	97.83647
Mn 257.610	4974.83	ppb	16.1880	0.3	686620	99.49651
Mo 202.032	489.427	ppb	1.2556	0.3	2688.09	97.88535
Na 330.237	7304.92	ppb	169.834	2.3	465.342	97.39896
Ni 231.604	2459.25	ppb	3.2846	0.1	6732.17	98.37018
Pb 220.353	495.575	ppb	1.5393	0.3	479.301	99.11510
Sb 206.834	948.830	ppb	5.0148	0.5	813.311	94.88300
Se 196.026	4947.04	ppb	4.9201	0.1	1707.44	98.94070
Sn 189.925	4838.76	ppb	6.7118	0.1	2588.77	96.77514
Sr 216.596	2425.64	ppb	2.6435	0.1	17438.1	97.02566
Ti 334.941	482.566	ppb	0.7258	0.2	169130	96.51329
Tl 190.794	4926.45	ppb	5.3420	0.1	2644.99	98.52896
V 292.401	4890.20	ppb	0.2325	0.0	156889	97.80393
Zn 206.200	2456.95	ppb	2.7740	0.1	4939.63	98.27811

Cont Calib Blank (CCB) **9/13/2014, 2:56:36 AM** **Rack 4, Tube 38**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Replicates Concentration		
Ag 328.068	0.0153	-0.1794u	-0.0585u
Al 308.215	-7.4221u	-4.9492u	-5.8400u
As 188.980	4.5846	5.3353	4.9773
B 249.678	7.1193	7.2659	5.5132
Ba 389.178	0.9364	0.6874	0.0120
Be 313.042	0.0328	0.0398	0.0505
Ca 370.602	1.250	0.0060	0.4369
Cd 226.502	-0.0229u	-0.0729u	0.2414
Co 228.615	0.2130	0.2929	-0.1273u
Cr 267.716	0.0249	0.5110	-0.1054u
Cu 324.754	0.5548	0.5753	0.3125
Fe 271.441	-4.1225u	-1.0762u	-0.3680u
K 766.491	-0.1542u	-0.4962u	-0.7037u
Mg 279.078	-1.4656u	0.8597	-2.4708u
Mn 257.610	0.2798	0.2611	0.1885
Mo 202.032	0.7990	0.8023	1.1110
Na 330.237	-54.5569u	113.350	-180.339u

Label	Replicates Concentration		
Ni 231.604	-0.4909u	0.5364	0.3659
Pb 220.353	1.7160	2.4388	0.0393
Sb 206.834	3.1262	4.5198	-4.4038u
Se 196.026	6.3768	-2.1459u	4.3123
Sn 189.925	-3.8590u	-1.4426u	1.3555
Sr 216.596	0.5901	0.0247	0.3487
Ti 334.941	0.1845	0.1691	0.1998
Tl 190.794	2.8456	0.3893	3.8821
V 292.401	0.4637	0.6573	0.3445
Zn 206.200	0.4264	1.4791	0.4168

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Ag 328.068	-0.0742	ppb	0.0983	132.5	-23.2405	-0.07420
Al 308.215	-6.0704	ppb	1.2525	20.6	353.975	-6.07041
As 188.980	4.9657	ppb	0.3755	7.6	-1.7187	4.96572
B 249.678	6.6328	ppb	0.9724	14.7	121.636	6.63282
Ba 389.178	0.5453	ppb	0.4783	87.7	-21.2094	0.54527
Be 313.042	0.0410	ppb	0.0089	21.7	-3112.27	0.04103
Ca 370.602	0.5643	ppb	0.6317	111.9	0.6474	0.56427
Cd 226.502	0.0485	ppb	0.1689	348.1	15.4866	0.04853
Co 228.615	0.1262	ppb	0.2232	176.8	-9.9130	0.12619
Cr 267.716	0.1435	ppb	0.3249	226.3	10.9670	0.14353
Cu 324.754	0.4809	ppb	0.1462	30.4	229.477	0.48089
Fe 271.441	-1.8556	ppb	1.9949	107.5	18.8562	-1.85559
K 766.491	-0.4514	ppb	0.2775	61.5	1779.28	-0.45138
Mg 279.078	-1.0256	ppb	1.7083	166.6	28.4306	-1.02557
Mn 257.610	0.2431	ppb	0.0482	19.8	50.2771	0.24312
Mo 202.032	0.9041	ppb	0.1792	19.8	10.1533	0.90408
Na 330.237	-40.5152	ppb	147.347	363.7	50.0531	-40.51522
Ni 231.604	0.1371	ppb	0.5505	401.5	3.8656	0.13713
Pb 220.353	1.3980	ppb	1.2310	88.0	1.1066	1.39803
Sb 206.834	1.0807	ppb	4.8006	444.2	6.9667	1.08071
Se 196.026	2.8477	ppb	4.4461	156.1	6.5739	2.84773
Sn 189.925	-1.3154	ppb	2.6095	198.4	-5.2891	-1.31536
Sr 216.596	0.3212	ppb	0.2837	88.3	3.2562	0.32116
Ti 334.941	0.1845	ppb	0.0153	8.3	-21.2452	0.18447
Tl 190.794	2.3724	ppb	1.7938	75.6	-4.3632	2.37236
V 292.401	0.4885	ppb	0.1579	32.3	23.3523	0.48851
Zn 206.200	0.7741	ppb	0.6106	78.9	2.4667	0.77412

680-105108-d-3-a (Samp) **9/13/2014, 3:01:08 AM** **Rack 4, Tube 39**

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

Label	Replicates Concentration		
Ag 328.068	-0.1552u	-0.3422u	-0.1817u
Al 308.215	56.4792	55.6858	56.6459
As 188.980	-5.7343u	1.1003	-6.7460u
B 249.678	25.8295	26.5825	26.1228
Ba 389.178	48.8780	49.2870	48.8556
Be 313.042	0.2267	0.2197	0.2324
Ca 370.602	1397	1395	1392
Cd 226.502	0.1714	0.0986	0.0982
Co 228.615	1.7891	1.7314	1.9777
Cr 267.716	1.1734	0.9974	0.7950

Label	Replicates Concentration		
Cu 324.754	0.6870	0.5956	0.5231
Fe 271.441	205.574	203.542	201.429
K 766.491	1334.93	1328.80	1331.76
Mg 279.078	1704.64	1693.12	1688.07
Mn 257.610	24.3465	24.1445	24.3031
Mo 202.032	0.1073	0.5671	0.3507
Na 330.237	33240.7	33259.3	33403.0
Ni 231.604	1.9126	3.4643	1.7615
Pb 220.353	-3.7084u	0.4642	1.4202
Sb 206.834	-1.2414u	-2.9643u	-2.8363u
Se 196.026	3.7737	-5.9852u	5.1189
Sn 189.925	0.5435	-1.5132u	-5.3064u
Sr 216.596	34.6066	34.7755	35.9016
Ti 334.941	0.3088	0.3268	0.3173
Tl 190.794	-0.3112u	-1.8022u	-2.2387u
V 292.401	1.9704	2.1053	1.8160
Zn 206.200	7.8754	7.2717	7.0845

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.2264	ppb	0.1012	44.7	-30.5546
Al 308.215	56.2703	ppb	0.5130	0.9	707.751
As 188.980	-3.7933	ppb	4.2681	112.5	-5.7903
B 249.678	26.1783	ppb	0.3796	1.4	389.508
Ba 389.178	49.0069	ppb	0.2429	0.5	997.830
Be 313.042	0.2263	ppb	0.0064	2.8	-2681.14
Ca 370.602	1395	ppb	2.274	0.2	5168
Cd 226.502	0.1227	ppb	0.0422	34.4	18.0372
Co 228.615	1.8327	ppb	0.1288	7.0	3.1476
Cr 267.716	0.9886	ppb	0.1893	19.2	32.9636
Cu 324.754	0.6019	ppb	0.0821	13.6	233.936
Fe 271.441	203.515	ppb	2.0729	1.0	197.620
K 766.491	1331.83	ppb	3.0633	0.2	171583
Mg 279.078	1695.28	ppb	8.4913	0.5	3639.97
Mn 257.610	24.2647	ppb	0.1063	0.4	3375.39
Mo 202.032	0.3417	ppb	0.2300	67.3	7.0505
Na 330.237	33301.0	ppb	88.8493	0.3	2012.28
Ni 231.604	2.3794	ppb	0.9425	39.6	10.0077
Pb 220.353	-0.6080	ppb	2.7272	448.6	-0.8331
Sb 206.834	-2.3474	ppb	0.9599	40.9	4.1432
Se 196.026	0.9691	ppb	6.0601	625.3	5.9410
Sn 189.925	-2.0920	ppb	2.9676	141.9	-5.6988
Sr 216.596	35.0946	ppb	0.7040	2.0	254.759
Ti 334.941	0.3176	ppb	0.0090	2.8	26.2733
Tl 190.794	-1.4507	ppb	1.0107	69.7	-6.4252
V 292.401	1.9639	ppb	0.1448	7.4	70.7216
Zn 206.200	7.4106	ppb	0.4133	5.6	15.8403

680-105108-d-4-a (Samp) **9/13/2014, 3:05:39 AM** **Rack 4, Tube 40**

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

Label	Replicates Concentration		
Ag 328.068	-0.1687u	0.0913	-0.1634u
Al 308.215	43.0084	44.9409	41.1143
As 188.980	-2.4473u	-6.0642u	2.6983

Label	Replicates Concentration		
B 249.678	38.8496	39.8111	40.1669
Ba 389.178	38.6597	39.1495	38.9310
Be 313.042	0.0660	0.0744	0.0850
Ca 370.602	765.4	765.9	763.4
Cd 226.502	-0.1652u	0.2019	0.2021
Co 228.615	1.3247	0.1266	0.6859
Cr 267.716	0.7861	0.7091	0.7805
Cu 324.754	0.5802	0.5885	1.0522
Fe 271.441	95.8656	98.7577	95.1662
K 766.491	777.580	781.976	777.545
Mg 279.078	970.118	975.432	973.531
Mn 257.610	4.5603	4.6123	4.5660
Mo 202.032	0.5227	0.0600	-0.0963u
Na 330.237	11880.7	11698.3	11835.9
Ni 231.604	1.1703	1.4692	1.2832
Pb 220.353	-0.7312u	1.2169	1.8667
Sb 206.834	-1.6453u	-1.7115u	0.4431
Se 196.026	8.7361	1.8446	10.8313
Sn 189.925	-4.0860u	-0.6513u	-0.1719u
Sr 216.596	12.5706	13.1442	13.2222
Ti 334.941	0.2326	0.2386	0.2540
Tl 190.794	-6.2402u	-6.8147u	-1.3291u
V 292.401	0.7404	0.8719	0.7840
Zn 206.200	3.7665	5.0654	4.5901

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.0803	ppb	0.1486	185.1	-23.5381
Al 308.215	43.0212	ppb	1.9133	4.4	632.500
As 188.980	-1.9377	ppb	4.4034	227.2	-4.9274
B 249.678	39.6092	ppb	0.6814	1.7	573.706
Ba 389.178	38.9134	ppb	0.2454	0.6	784.553
Be 313.042	0.0752	ppb	0.0095	12.7	-3033.28
Ca 370.602	764.9	ppb	1.304	0.2	2834
Cd 226.502	0.0796	ppb	0.2120	266.3	16.5974
Co 228.615	0.7124	ppb	0.5995	84.1	-5.4147
Cr 267.716	0.7586	ppb	0.0429	5.7	26.8798
Cu 324.754	0.7403	ppb	0.2701	36.5	241.218
Fe 271.441	96.5965	ppb	1.9040	2.0	104.520
K 766.491	779.033	ppb	2.5485	0.3	101127
Mg 279.078	973.027	ppb	2.6924	0.3	2102.29
Mn 257.610	4.5795	ppb	0.0285	0.6	654.423
Mo 202.032	0.1621	ppb	0.3219	198.5	6.0742
Na 330.237	11805.0	ppb	95.0796	0.8	747.173
Ni 231.604	1.3076	ppb	0.1509	11.5	7.0714
Pb 220.353	0.7841	ppb	1.3519	172.4	0.5120
Sb 206.834	-0.9712	ppb	1.2253	126.2	5.2838
Se 196.026	7.1374	ppb	4.7018	65.9	8.0547
Sn 189.925	-1.6364	ppb	2.1349	130.5	-5.4589
Sr 216.596	12.9790	ppb	0.3558	2.7	94.8741
Ti 334.941	0.2417	ppb	0.0110	4.6	-0.0713
Tl 190.794	-4.7947	ppb	3.0150	62.9	-8.2192
V 292.401	0.7988	ppb	0.0670	8.4	33.4249
Zn 206.200	4.4740	ppb	0.6572	14.7	9.9220

680-105108-d-5-a (Samp) **9/13/2014, 3:10:11 AM** **Rack 4, Tube 41**

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

Label	Replicates Concentration		
Ag 328.068	-0.0281u	0.1640	0.1297
Al 308.215	47.8676	50.1911	47.0250
As 188.980	-1.5408u	0.5254	-3.9229u
B 249.678	14.8287	14.7989	14.6248
Ba 389.178	76.7911	76.3089	77.2225
Be 313.042	0.1865	0.1394	0.1509
Ca 370.602	1441	1453	1446
Cd 226.502	0.1517	0.0611	-0.0058
Co 228.615	0.3430	0.4132	0.8242
Cr 267.716	0.7443	0.8841	0.7588
Cu 324.754	0.2524	0.4609	0.5344
Fe 271.441	1382.04	1382.39	1385.93
K 766.491	2269.24	2286.17	2272.28
Mg 279.078	1743.95	1760.63	1761.81
Mn 257.610	5.7736	5.7981	5.7513
Mo 202.032	0.0411	0.8114	0.2303
Na 330.237	8619.31	8628.22	8539.84
Ni 231.604	1.3762	-0.2964u	1.3133
Pb 220.353	4.6046	3.6296	2.4460
Sb 206.834	-3.1616u	5.7517	1.6791
Se 196.026	6.8537	8.6095	-6.1140u
Sn 189.925	-1.9782u	-0.6689u	-2.8201u
Sr 216.596	24.1005	24.5666	23.7284
Ti 334.941	0.3206	0.3343	0.3405
Tl 190.794	-5.9656u	2.3914	-6.9126u
V 292.401	1.6942	1.9486	1.7017
Zn 206.200	3.4664	3.6197	3.2202

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	0.0886	ppb	0.1024	115.7	-15.4955
Al 308.215	48.3612	ppb	1.6398	3.4	662.863
As 188.980	-1.6461	ppb	2.2260	135.2	-4.8005
B 249.678	14.7508	ppb	0.1101	0.7	232.049
Ba 389.178	76.7742	ppb	0.4570	0.6	1581.33
Be 313.042	0.1589	ppb	0.0246	15.5	-2836.14
Ca 370.602	1447	ppb	6.074	0.4	5345
Cd 226.502	0.0690	ppb	0.0790	114.5	19.5376
Co 228.615	0.5268	ppb	0.2599	49.3	-6.7770
Cr 267.716	0.7957	ppb	0.0769	9.7	27.8026
Cu 324.754	0.4159	ppb	0.1463	35.2	224.937
Fe 271.441	1383.45	ppb	2.1556	0.2	1223.94
K 766.491	2275.90	ppb	9.0246	0.4	291908
Mg 279.078	1755.46	ppb	9.9864	0.6	3765.78
Mn 257.610	5.7743	ppb	0.0234	0.4	826.515
Mo 202.032	0.3609	ppb	0.4014	111.2	7.0614
Na 330.237	8595.79	ppb	48.6590	0.6	557.732
Ni 231.604	0.7977	ppb	0.9481	118.9	5.7210
Pb 220.353	3.5601	ppb	1.0810	30.4	3.1764
Sb 206.834	1.4231	ppb	4.4622	313.6	7.2627
Se 196.026	3.1164	ppb	8.0418	258.1	6.6925
Sn 189.925	-1.8224	ppb	1.0840	59.5	-5.5591
Sr 216.596	24.1318	ppb	0.4200	1.7	176.433

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ti 334.941	0.3318	ppb	0.0102	3.1	33.5861
Tl 190.794	-3.4956	ppb	5.1202	146.5	-7.6099
V 292.401	1.7815	ppb	0.1448	8.1	65.5489
Zn 206.200	3.4354	ppb	0.2015	5.9	7.8571

680-105108-d-6-a (Samp) **9/13/2014, 3:14:42 AM** **Rack 4, Tube 42**

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

Label	Replicates Concentration		
Ag 328.068	0.0143	-0.2611u	0.0348
Al 308.215	74.9853	73.8174	74.1787
As 188.980	-3.1100u	-6.1586u	-4.4840u
B 249.678	59.8673	60.5425	60.2658
Ba 389.178	109.809	108.314	108.319
Be 313.042	0.1016	0.1082	0.1156
Ca 370.602	1179	1177	1184
Cd 226.502	-0.0553u	0.1625	0.2914
Co 228.615	1.1452	1.1623	0.9573
Cr 267.716	0.6026	0.4293	0.2843
Cu 324.754	1.1388	1.3110	1.3092
Fe 271.441	30.7488	40.2886	28.5614
K 766.491	3187.10	3173.65	3181.89
Mg 279.078	2063.58	2052.04	2056.91
Mn 257.610	1.8377	1.8050	1.8184
Mo 202.032	0.4338	0.1955	0.1184
Na 330.237	12705.6	12672.0	12734.7
Ni 231.604	1.2412	1.3262	3.1201
Pb 220.353	5.1259	-0.2011u	0.1571
Sb 206.834	-5.1719u	-1.2726u	5.5751
Se 196.026	25.4410	9.0100	14.4127
Sn 189.925	-8.1196u	-2.7543u	-0.2098u
Sr 216.596	26.9070	27.3422	26.5061
Ti 334.941	0.1492	0.1497	0.1386
Tl 190.794	-3.8579u	0.9345	-1.2978u
V 292.401	0.9743	1.0823	0.8297
Zn 206.200	2.4802	3.6222	2.5758

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.0707	ppb	0.1653	233.8	-23.0886
Al 308.215	74.3271	ppb	0.5979	0.8	810.148
As 188.980	-4.5842	ppb	1.5268	33.3	-6.1566
B 249.678	60.2252	ppb	0.3395	0.6	856.417
Ba 389.178	108.814	ppb	0.8616	0.8	2250.37
Be 313.042	0.1085	ppb	0.0070	6.5	-2955.38
Ca 370.602	1180	ppb	3.577	0.3	4374
Cd 226.502	0.1329	ppb	0.1752	131.9	17.9829
Co 228.615	1.0883	ppb	0.1138	10.5	-2.5492
Cr 267.716	0.4387	ppb	0.1593	36.3	18.6594
Cu 324.754	1.2530	ppb	0.0989	7.9	265.512
Fe 271.441	33.1996	ppb	6.2359	18.8	49.3927
K 766.491	3180.88	ppb	6.7858	0.2	407252
Mg 279.078	2057.51	ppb	5.7917	0.3	4411.61
Mn 257.610	1.8204	ppb	0.0165	0.9	279.628
Mo 202.032	0.2492	ppb	0.1644	66.0	6.5572

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Na 330.237	12704.1	ppb	31.4018	0.2	800.125
Ni 231.604	1.8959	ppb	1.0611	56.0	8.6787
Pb 220.353	1.6940	ppb	2.9775	175.8	1.3889
Sb 206.834	-0.2898	ppb	5.4405	1877.3	5.8431
Se 196.026	16.2879	ppb	8.3744	51.4	11.2021
Sn 189.925	-3.6945	ppb	4.0379	109.3	-6.5618
Sr 216.596	26.9185	ppb	0.4182	1.6	195.563
Ti 334.941	0.1458	ppb	0.0063	4.3	-31.5100
Tl 190.794	-1.4071	ppb	2.3980	170.4	-6.3954
V 292.401	0.9621	ppb	0.1267	13.2	38.6408
Zn 206.200	2.8927	ppb	0.6336	21.9	6.7354

680-105108-d-7-a (Samp) **9/13/2014, 3:19:13 AM** **Rack 4, Tube 43**

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

Label	Replicates Concentration		
Ag 328.068	-0.4449u	0.3950	-0.5092u
Al 308.215	40.6319	39.6117	43.1249
As 188.980	-6.6191u	0.3265	-0.9632u
B 249.678	37.5919	38.3753	37.6925
Ba 389.178	54.7197	55.0718	54.9394
Be 313.042	0.0912	0.0894	0.0874
Ca 370.602	583.0	589.8	590.0
Cd 226.502	0.0543	0.2502	0.2876
Co 228.615	0.2628	0.7912	0.5184
Cr 267.716	36.1677	36.3178	36.5236
Cu 324.754	3.8989	3.8681	4.1612
Fe 271.441	263.083	262.856	278.129
K 766.491	1547.03	1550.60	1554.50
Mg 279.078	1246.25	1258.96	1254.32
Mn 257.610	576.943	578.712	580.109
Mo 202.032	0.1982	0.5091	0.9870
Na 330.237	6794.53	6819.20	7210.19
Ni 231.604	12.7161	11.3938	13.0277
Pb 220.353	-2.6094u	3.7720	4.0421
Sb 206.834	-1.6842u	0.9443	0.1420
Se 196.026	8.9960	-0.8991u	9.0378
Sn 189.925	-1.7810u	2.1022	2.0522
Sr 216.596	13.6286	13.4036	13.5994
Ti 334.941	0.1260	0.1285	0.1169
Tl 190.794	-2.1787u	1.7963	0.4939
V 292.401	0.6379	1.0463	0.8100
Zn 206.200	2.6964	2.6554	2.5928

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.1864	ppb	0.5045	270.7	-26.7790
Al 308.215	41.1229	ppb	1.8073	4.4	621.752
As 188.980	-2.4186	ppb	3.6945	152.8	-5.1519
B 249.678	37.8866	ppb	0.4262	1.1	549.951
Ba 389.178	54.9103	ppb	0.1778	0.3	1120.42
Be 313.042	0.0893	ppb	0.0019	2.1	-2999.92
Ca 370.602	587.6	ppb	3.952	0.7	2174
Cd 226.502	0.1974	ppb	0.1253	63.5	20.4555
Co 228.615	0.5241	ppb	0.2643	50.4	-6.8546

F09122014.wvq. All Data Report 9/15/2014, 10:04:20 AM

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Cr 267.716	36.3364	ppb	0.1787	0.5	942.037
Cu 324.754	3.9761	ppb	0.1611	4.1	397.206
Fe 271.441	268.023	ppb	8.7530	3.3	253.476
K 766.491	1550.71	ppb	3.7347	0.2	199480
Mg 279.078	1253.18	ppb	6.4334	0.5	2698.47
Mn 257.610	578.588	ppb	1.5864	0.3	79874.0
Mo 202.032	0.5648	ppb	0.3973	70.3	8.2697
Na 330.237	6941.31	ppb	233.184	3.4	460.849
Ni 231.604	12.3792	ppb	0.8675	7.0	37.3693
Pb 220.353	1.7349	ppb	3.7647	217.0	1.4444
Sb 206.834	-0.1993	ppb	1.3470	675.9	6.1352
Se 196.026	5.7115	ppb	5.7250	100.2	7.6439
Sn 189.925	0.7912	ppb	2.2277	281.6	-4.1587
Sr 216.596	13.5439	ppb	0.1223	0.9	98.6687
Ti 334.941	0.1238	ppb	0.0061	4.9	-40.4131
Tl 190.794	0.0372	ppb	2.0265	5450.4	-5.5443
V 292.401	0.8314	ppb	0.2051	24.7	32.1084
Zn 206.200	2.6482	ppb	0.0522	2.0	6.1618

680-105108-d-8-a (Samp) **9/13/2014, 3:23:45 AM** **Rack 4, Tube 44**

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

Label	Replicates Concentration		
Ag 328.068	0.2399	0.3902	0.0933
Al 308.215	18.1316	21.0586	20.5161
As 188.980	0.7822	5.7063	-3.5247u
B 249.678	13.2528	13.8052	13.5943
Ba 389.178	31.0626	30.9349	30.8540
Be 313.042	0.1334	0.1466	0.1490
Ca 370.602	622.7	627.6	621.9
Cd 226.502	-0.2092u	0.1141	0.0416
Co 228.615	0.7419	0.5983	1.0979
Cr 267.716	19.7776	20.3225	19.9546
Cu 324.754	0.9991	1.0631	1.2540
Fe 271.441	306.375	319.603	314.742
K 766.491	1655.88	1656.88	1657.08
Mg 279.078	756.066	757.593	753.677
Mn 257.610	7.2418	7.3831	7.2417
Mo 202.032	-0.2678u	0.6574	0.3970
Na 330.237	6460.34	6574.26	6491.71
Ni 231.604	6.0037	5.2336	5.9563
Pb 220.353	3.1716	1.9719	-1.7607u
Sb 206.834	-0.7624u	-1.3097u	-2.2449u
Se 196.026	7.6277	3.5291	7.0178
Sn 189.925	1.2736	-2.0080u	0.7674
Sr 216.596	11.7008	11.3060	10.8308
Ti 334.941	0.2868	0.2922	0.3833
Tl 190.794	-5.1289u	-3.7586u	-3.4669u
V 292.401	0.9216	0.6683	0.7511
Zn 206.200	3.1107	3.4943	4.3760

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	0.2411	ppb	0.1484	61.6	-7.9922
Al 308.215	19.9021	ppb	1.5571	7.8	501.322

F09122014.wvq. All Data Report 9/15/2014, 10:04:20 AM

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
As 188.980	0.9879	ppb	4.6189	467.5	-3.5693
B 249.678	13.5508	ppb	0.2787	2.1	216.271
Ba 389.178	30.9505	ppb	0.1052	0.3	617.707
Be 313.042	0.1430	ppb	0.0084	5.9	-2873.78
Ca 370.602	624.0	ppb	3.088	0.5	2308
Cd 226.502	-0.0178	ppb	0.1697	951.6	14.3420
Co 228.615	0.8127	ppb	0.2572	31.6	-4.6384
Cr 267.716	20.0182	ppb	0.2780	1.4	522.271
Cu 324.754	1.1054	ppb	0.1326	12.0	258.933
Fe 271.441	313.573	ppb	6.6906	2.1	293.205
K 766.491	1656.61	ppb	0.6460	0.0	212978
Mg 279.078	755.779	ppb	1.9740	0.3	1639.27
Mn 257.610	7.2889	ppb	0.0816	1.1	1027.58
Mo 202.032	0.2622	ppb	0.4771	182.0	6.6059
Na 330.237	6508.77	ppb	58.8410	0.9	435.367
Ni 231.604	5.7312	ppb	0.4316	7.5	19.1819
Pb 220.353	1.1276	ppb	2.5722	228.1	0.8511
Sb 206.834	-1.4390	ppb	0.7496	52.1	5.0138
Se 196.026	6.0582	ppb	2.2114	36.5	7.6861
Sn 189.925	0.0110	ppb	1.7667	16090.6	-4.5769
Sr 216.596	11.2792	ppb	0.4356	3.9	82.5686
Ti 334.941	0.3207	ppb	0.0543	16.9	27.6271
Tl 190.794	-4.1181	ppb	0.8874	21.5	-7.8699
V 292.401	0.7804	ppb	0.1291	16.5	31.6527
Zn 206.200	3.6604	ppb	0.6488	17.7	8.2413

680-105108-d-9-a (Samp) **9/13/2014, 3:28:16 AM** **Rack 4, Tube 45**

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

Label	Replicates Concentration		
Ag 328.068	0.0150	0.1874	0.5804
Al 308.215	87.5638	88.1622	88.6178
As 188.980	1.2603	-3.7711u	1.5475
B 249.678	11.9310	13.0901	12.9339
Ba 389.178	29.6339	30.5959	29.4268
Be 313.042	0.1465	0.1427	0.1412
Ca 370.602	592.3	588.5	591.9
Cd 226.502	0.0721	0.2326	-0.0194
Co 228.615	0.7893	0.4340	0.4427
Cr 267.716	75.0014	75.6233	75.2869
Cu 324.754	1.3799	1.1977	1.3782
Fe 271.441	617.451	617.561	618.865
K 766.491	1609.21	1606.68	1601.00
Mg 279.078	739.887	732.898	738.043
Mn 257.610	7.9188	7.8992	7.8573
Mo 202.032	1.1880	1.4943	0.9475
Na 330.237	6237.21	6745.73	6567.16
Ni 231.604	6.9185	5.2670	5.7223
Pb 220.353	6.8873	2.7237	2.6840
Sb 206.834	0.0230	1.3911	2.0453
Se 196.026	7.1906	7.9824	2.0775
Sn 189.925	4.8861	4.6403	-4.9278u
Sr 216.596	10.9289	10.7183	11.1517
Ti 334.941	1.0399	1.0575	1.1088

Label	Replicates Concentration		
Tl 190.794	-1.5257u	-3.8526u	-3.9195u
V 292.401	1.6182	1.2044	1.5004
Zn 206.200	1.5523	2.6984	3.3647

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	0.2609	ppb	0.2898	111.1	-7.0378
Al 308.215	88.1146	ppb	0.5286	0.6	888.454
As 188.980	-0.3211	ppb	2.9913	931.6	-4.1795
B 249.678	12.6517	ppb	0.6290	5.0	203.771
Ba 389.178	29.8855	ppb	0.6238	2.1	595.920
Be 313.042	0.1434	ppb	0.0027	1.9	-2872.74
Ca 370.602	590.9	ppb	2.096	0.4	2182
Cd 226.502	0.0951	ppb	0.1276	134.1	18.3807
Co 228.615	0.5553	ppb	0.2027	36.5	-6.5992
Cr 267.716	75.3039	ppb	0.3113	0.4	1944.42
Cu 324.754	1.3186	ppb	0.1047	7.9	269.232
Fe 271.441	617.959	ppb	0.7866	0.1	557.709
K 766.491	1605.63	ppb	4.2064	0.3	206480
Mg 279.078	736.942	ppb	3.6223	0.5	1598.55
Mn 257.610	7.8918	ppb	0.0314	0.4	1111.35
Mo 202.032	1.2100	ppb	0.2741	22.7	11.7812
Na 330.237	6516.70	ppb	257.989	4.0	435.691
Ni 231.604	5.9692	ppb	0.8530	14.3	19.8440
Pb 220.353	4.0983	ppb	2.4154	58.9	3.7368
Sb 206.834	1.1531	ppb	1.0319	89.5	7.4828
Se 196.026	5.7502	ppb	3.2052	55.7	7.5841
Sn 189.925	1.5329	ppb	5.5965	365.1	-3.7613
Sr 216.596	10.9330	ppb	0.2167	2.0	80.2537
Ti 334.941	1.0687	ppb	0.0358	3.4	289.913
Tl 190.794	-3.0993	ppb	1.3632	44.0	-7.3450
V 292.401	1.4410	ppb	0.2132	14.8	49.1070
Zn 206.200	2.5385	ppb	0.9167	36.1	5.8551

680-105108-d-10-a (Samp) **9/13/2014, 3:32:47 AM** **Rack 4, Tube 46**

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

Label	Replicates Concentration		
Ag 328.068	0.1363	-0.3554u	0.2119
Al 308.215	10.0330	9.0755	11.3418
As 188.980	-1.2708u	-4.1672u	0.9752
B 249.678	9.6555	10.3354	9.6512
Ba 389.178	24.4025	25.6161	24.3191
Be 313.042	0.0900	0.0976	0.1026
Ca 370.602	631.9	626.5	629.9
Cd 226.502	0.1862	0.0176	-0.1030u
Co 228.615	0.7620	0.6685	0.0389
Cr 267.716	0.5206	0.3718	0.5073
Cu 324.754	0.3896	0.1072	0.4468
Fe 271.441	28.0011	18.9407	11.2126
K 766.491	1767.52	1754.40	1759.05
Mg 279.078	597.798	590.966	594.846
Mn 257.610	4.0818	4.0334	4.0444
Mo 202.032	0.1606	-0.1974u	0.6370
Na 330.237	6239.16	6226.59	6272.75

Label	Replicates Concentration		
Ni 231.604	1.1307	-0.1928u	-0.0175u
Pb 220.353	4.6374	-1.3810u	0.4580
Sb 206.834	2.6456	-0.8360u	1.1156
Se 196.026	7.5850	7.0909	0.9441
Sn 189.925	0.0481	-5.0833u	-1.4253u
Sr 216.596	7.9629	7.5998	7.5214
Ti 334.941	0.0967	0.1566	0.1128
Tl 190.794	0.8688	-5.3177u	-1.4976u
V 292.401	0.5514	0.7278	0.5915
Zn 206.200	3.2666	3.2327	3.8321

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.0024	ppb	0.3080	12955.3	-19.7619
Al 308.215	10.1501	ppb	1.1377	11.2	445.977
As 188.980	-1.4876	ppb	2.5780	173.3	-4.7177
B 249.678	9.8807	ppb	0.3938	4.0	166.156
Ba 389.178	24.7792	ppb	0.7260	2.9	487.606
Be 313.042	0.0967	ppb	0.0063	6.5	-2982.20
Ca 370.602	629.4	ppb	2.729	0.4	2333
Cd 226.502	0.0336	ppb	0.1453	432.5	15.0964
Co 228.615	0.4898	ppb	0.3933	80.3	-7.1216
Cr 267.716	0.4666	ppb	0.0824	17.7	19.3256
Cu 324.754	0.3145	ppb	0.1818	57.8	220.851
Fe 271.441	19.3848	ppb	8.4030	43.3	37.3568
K 766.491	1760.32	ppb	6.6523	0.4	226196
Mg 279.078	594.537	ppb	3.4262	0.6	1296.52
Mn 257.610	4.0532	ppb	0.0254	0.6	579.501
Mo 202.032	0.2001	ppb	0.4186	209.2	6.2884
Na 330.237	6246.17	ppb	23.8633	0.4	420.043
Ni 231.604	0.3068	ppb	0.7189	234.3	4.3306
Pb 220.353	1.2382	ppb	3.0841	249.1	0.9520
Sb 206.834	0.9751	ppb	1.7451	179.0	6.8917
Se 196.026	5.2067	ppb	3.6997	71.1	7.3891
Sn 189.925	-2.1535	ppb	2.6421	122.7	-5.7371
Sr 216.596	7.6947	ppb	0.2355	3.1	56.6578
Ti 334.941	0.1220	ppb	0.0310	25.4	-42.3976
Tl 190.794	-1.9822	ppb	3.1216	157.5	-6.7030
V 292.401	0.6236	ppb	0.0924	14.8	27.7997
Zn 206.200	3.4438	ppb	0.3367	9.8	7.8455

680-105108-d-11-a (Samp) **9/13/2014, 3:37:19 AM** **Rack 4, Tube 47**

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

Label	Replicates Concentration		
Ag 328.068	0.1169	-0.4052u	-0.1928u
Al 308.215	176.634	176.129	173.834
As 188.980	-1.2198u	-4.2323u	8.1411
B 249.678	28.2332	28.0392	28.1031
Ba 389.178	30.5595	29.8081	30.4116
Be 313.042	0.0403	0.0406	0.0377
Ca 370.602	3117	3136	3139
Cd 226.502	-0.0181u	-0.0044	0.1290
Co 228.615	1.0898	1.5793	0.5959
Cr 267.716	13.9247	14.0898	14.4038

Label	Replicates Concentration		
Cu 324.754	0.8343	0.7187	0.8894
Fe 271.441	71.9566	62.0008	75.6937
K 766.491	1072.27	1076.97	1077.86
Mg 279.078	1329.00	1336.78	1333.78
Mn 257.610	4.3728	4.3793	4.3371
Mo 202.032	-0.0643u	0.7535	0.1145
Na 330.237	12285.7	12353.8	12533.8
Ni 231.604	11.2730	12.0732	11.0239
Pb 220.353	3.7122	2.3046	2.8674
Sb 206.834	1.2855	2.2201	-1.0305u
Se 196.026	5.5765	5.6323	13.3448
Sn 189.925	-0.4639u	-2.2229u	-2.7556u
Sr 216.596	22.8139	22.6886	22.1534
Ti 334.941	0.1038	0.1636	0.1673
Tl 190.794	-3.4962u	-2.8356u	-6.5839u
V 292.401	1.6143	1.5717	1.5229
Zn 206.200	1.9888	1.1443	2.7293

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.1604	ppb	0.2626	163.7	-27.4088
Al 308.215	175.532	ppb	1.4923	0.9	1384.43
As 188.980	0.8964	ppb	6.4524	719.9	-3.6102
B 249.678	28.1252	ppb	0.0989	0.4	416.285
Ba 389.178	30.2597	ppb	0.3981	1.3	604.255
Be 313.042	0.0395	ppb	0.0016	4.1	-3115.83
Ca 370.602	3131	ppb	12.33	0.4	11608
Cd 226.502	0.0355	ppb	0.0812	229.0	15.2549
Co 228.615	1.0883	ppb	0.4917	45.2	-2.5473
Cr 267.716	14.1394	ppb	0.2434	1.7	371.088
Cu 324.754	0.8141	ppb	0.0871	10.7	242.502
Fe 271.441	69.8837	ppb	7.0779	10.1	81.2741
K 766.491	1075.70	ppb	3.0009	0.3	138939
Mg 279.078	1333.19	ppb	3.9221	0.3	2869.23
Mn 257.610	4.3631	ppb	0.0227	0.5	626.545
Mo 202.032	0.2679	ppb	0.4299	160.5	6.6565
Na 330.237	12391.1	ppb	128.198	1.0	781.689
Ni 231.604	11.4567	ppb	0.5482	4.8	34.8384
Pb 220.353	2.9614	ppb	0.7085	23.9	2.6137
Sb 206.834	0.8250	ppb	1.6735	202.8	6.8506
Se 196.026	8.1845	ppb	4.4690	54.6	8.4266
Sn 189.925	-1.8141	ppb	1.1993	66.1	-5.5540
Sr 216.596	22.5520	ppb	0.3508	1.6	164.168
Ti 334.941	0.1449	ppb	0.0357	24.6	-33.3232
Tl 190.794	-4.3052	ppb	2.0008	46.5	-7.9548
V 292.401	1.5696	ppb	0.0458	2.9	57.2810
Zn 206.200	1.9542	ppb	0.7931	40.6	4.8123

680-105108-d-12-a (Samp) **9/13/2014, 3:41:50 AM** **Rack 4, Tube 48**

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

Label	Replicates Concentration		
Ag 328.068	0.1608	0.4941	0.1541
Al 308.215	53.4650	50.1960	52.1774
As 188.980	-4.8212u	-0.4873u	-1.9617u

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Label	Replicates Concentration		
B 249.678	20.9624	21.6347	21.3274
Ba 389.178	42.8331	43.4431	43.5991
Be 313.042	0.1091	0.1147	0.1067
Ca 370.602	574.2	574.2	577.6
Cd 226.502	0.7387	0.5679	0.7144
Co 228.615	0.2730	0.7274	0.3721
Cr 267.716	6.7967	6.7302	7.1170
Cu 324.754	0.2813	0.1948	0.3162
Fe 271.441	58.8530	50.3647	55.5900
K 766.491	644.087	646.003	644.044
Mg 279.078	849.980	844.910	852.102
Mn 257.610	5.4319	5.3673	5.3818
Mo 202.032	-0.0136u	0.4794	0.5703
Na 330.237	3155.02	3096.07	3028.34
Ni 231.604	2.3729	0.8979	2.2634
Pb 220.353	1.4242	2.0402	-0.5423u
Sb 206.834	-1.6983u	0.4672	-5.2338u
Se 196.026	-0.0439u	9.9821	6.9809
Sn 189.925	1.3433	1.8616	4.8529
Sr 216.596	7.2698	8.2206	7.9653
Ti 334.941	0.7393	0.8687	0.7116
Tl 190.794	0.2103	-3.3785u	-10.7400u
V 292.401	2.6421	2.6055	2.5717
Zn 206.200	3.1805	2.7250	2.3125

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	0.2697	ppb	0.1944	72.1	-6.5973
Al 308.215	51.9461	ppb	1.6467	3.2	683.240
As 188.980	-2.4234	ppb	2.2035	90.9	-5.1527
B 249.678	21.3081	ppb	0.3366	1.6	322.806
Ba 389.178	43.2918	ppb	0.4048	0.9	875.829
Be 313.042	0.1102	ppb	0.0041	3.7	-2949.71
Ca 370.602	575.3	ppb	1.957	0.3	2131
Cd 226.502	0.6737	ppb	0.0924	13.7	33.6984
Co 228.615	0.4575	ppb	0.2389	52.2	-7.3608
Cr 267.716	6.8813	ppb	0.2068	3.0	184.295
Cu 324.754	0.2641	ppb	0.0625	23.7	218.437
Fe 271.441	54.9359	ppb	4.2818	7.8	68.2837
K 766.491	644.711	ppb	1.1186	0.2	84007.6
Mg 279.078	848.997	ppb	3.6956	0.4	1838.27
Mn 257.610	5.3937	ppb	0.0339	0.6	766.016
Mo 202.032	0.3453	ppb	0.3142	91.0	7.0820
Na 330.237	3093.14	ppb	63.3929	2.0	234.448
Ni 231.604	1.8447	ppb	0.8218	44.5	8.5397
Pb 220.353	0.9740	ppb	1.3488	138.5	0.6978
Sb 206.834	-2.1550	ppb	2.8778	133.5	4.3380
Se 196.026	5.6397	ppb	5.1458	91.2	7.5383
Sn 189.925	2.6860	ppb	1.8945	70.5	-3.1440
Sr 216.596	7.8186	ppb	0.4921	6.3	57.5236
Ti 334.941	0.7732	ppb	0.0838	10.8	186.734
Tl 190.794	-4.6361	ppb	5.5824	120.4	-8.1297
V 292.401	2.6064	ppb	0.0352	1.4	91.1765
Zn 206.200	2.7393	ppb	0.4342	15.8	6.4115

Cont Calib Verif (CCV) **9/13/2014, 3:46:21 AM** **Rack 4, Tube 49**

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

Label	Replicates Concentration		
Ag 328.068	491.566	493.806	494.994
Al 308.215	4852.89	4865.90	4882.67
As 188.980	478.667	486.837	486.700
B 249.678	500.653	503.154	506.993
Ba 389.178	4818.54	4840.33	4850.30
Be 313.042	495.507	497.850	496.432
Ca 370.602	4856	4875	4886
Cd 226.502	485.816	487.886	489.218
Co 228.615	489.506	489.286	490.747
Cr 267.716	4873.22	4889.42	4908.04
Cu 324.754	4949.56	4935.77	4919.89
Fe 271.441	4909.59	4904.62	4929.80
K 766.491	9989.96	10024.0	10069.6
Mg 279.078	4879.66	4886.75	4895.14
Mn 257.610	4962.73	4968.48	4971.91
Mo 202.032	483.903	486.739	489.283
Na 330.237	7247.91	7414.79	7211.99
Ni 231.604	2449.48	2458.83	2456.96
Pb 220.353	493.989	491.903	497.572
Sb 206.834	932.595	934.509	940.532
Se 196.026	4903.77	4956.05	4963.98
Sn 189.925	4831.38	4828.22	4863.33
Sr 216.596	2417.90	2422.51	2428.39
Ti 334.941	479.344	481.352	482.410
Tl 190.794	4894.38	4910.77	4937.52
V 292.401	4863.62	4878.60	4889.47
Zn 206.200	2449.89	2455.93	2462.76

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Ag 328.068	493.455	ppb	1.7408	0.4	23878.2	98.69104
Al 308.215	4867.15	ppb	14.9319	0.3	28283.7	97.34309
As 188.980	484.068	ppb	4.6778	1.0	220.981	96.81364
B 249.678	503.600	ppb	3.1933	0.6	6944.84	100.72002
Ba 389.178	4836.39	ppb	16.2416	0.3	101239	96.72785
Be 313.042	496.596	ppb	1.1802	0.2	1162322	99.31930
Ca 370.602	4872	ppb	15.46	0.3	18104	97.44752
Cd 226.502	487.640	ppb	1.7145	0.4	14123.0	97.52800
Co 228.615	489.846	ppb	0.7876	0.2	3729.97	97.96928
Cr 267.716	4890.23	ppb	17.4214	0.4	125760	97.80454
Cu 324.754	4935.07	ppb	14.8442	0.3	237767	98.70146
Fe 271.441	4914.67	ppb	13.3400	0.3	4344.26	98.29339
K 766.491	10027.8	ppb	39.9508	0.4	1279922	100.27847
Mg 279.078	4887.18	ppb	7.7471	0.2	10427.0	97.74369
Mn 257.610	4967.71	ppb	4.6378	0.1	685637	99.35413
Mo 202.032	486.642	ppb	2.6915	0.6	2672.82	97.32833
Na 330.237	7291.57	ppb	108.215	1.5	464.568	97.22088
Ni 231.604	2455.09	ppb	4.9468	0.2	6720.79	98.20375
Pb 220.353	494.488	ppb	2.8670	0.6	478.256	98.89757
Sb 206.834	935.879	ppb	4.1423	0.4	802.658	93.58787
Se 196.026	4941.27	ppb	32.7164	0.7	1705.46	98.82538
Sn 189.925	4840.98	ppb	19.4214	0.4	2589.96	96.81955
Sr 216.596	2422.93	ppb	5.2591	0.2	17418.7	96.91730

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Ti 334.941	481.035	ppb	1.5575	0.3	168594	96.20707
Tl 190.794	4914.22	ppb	21.7755	0.4	2638.42	98.28449
V 292.401	4877.23	ppb	12.9761	0.3	156472	97.54459
Zn 206.200	2456.19	ppb	6.4367	0.3	4938.09	98.24767

Cont Calib Blank (CCB) **9/13/2014, 3:50:53 AM** **Rack 4, Tube 50**

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

Label	Replicates Concentration		
Ag 328.068	0.1831	0.4638	0.2221
Al 308.215	-8.0599u	-8.8884u	-6.1289u
As 188.980	0.7587	-0.3726u	-6.2461u
B 249.678	6.2369	5.1391	5.6822
Ba 389.178	0.2378	0.6821	-0.0764u
Be 313.042	0.0340	0.0525	0.0449
Ca 370.602	1.018	0.2673	-0.1821u
Cd 226.502	0.0855	0.1789	-0.1749u
Co 228.615	0.2368	0.7035	-0.1775u
Cr 267.716	0.3010	0.4276	0.2405
Cu 324.754	0.5789	0.4747	0.4257
Fe 271.441	-6.3778u	9.5507	1.4596
K 766.491	-0.3310u	-0.5477u	-0.6970u
Mg 279.078	-0.5771u	-0.2063u	-2.3638u
Mn 257.610	0.3569	0.2653	0.2502
Mo 202.032	0.7308	0.1369	-0.0535u
Na 330.237	296.398	198.019	-111.343u
Ni 231.604	-0.6824u	0.8507	0.9295
Pb 220.353	-4.5179u	0.4889	-3.9885u
Sb 206.834	2.3988	0.7987	1.6494
Se 196.026	6.3473	4.7942	4.0153
Sn 189.925	-2.9447u	0.8880	-1.3247u
Sr 216.596	-0.2026u	0.2685	-0.0292u
Ti 334.941	0.2130	0.1429	0.1519
Tl 190.794	3.5033	1.2717	-0.0248u
V 292.401	0.7181	0.3734	0.2209
Zn 206.200	0.7779	0.7419	0.0660

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Ag 328.068	0.2897	ppb	0.1521	52.5	-5.6405	0.28966
Al 308.215	-7.6924	ppb	1.4160	18.4	344.729	-7.69241
As 188.980	-1.9533	ppb	3.7605	192.5	-4.9339	-1.95331
B 249.678	5.6861	ppb	0.5489	9.7	108.669	5.68606
Ba 389.178	0.2812	ppb	0.3811	135.5	-26.7296	0.28117
Be 313.042	0.0438	ppb	0.0093	21.2	-3105.76	0.04379
Ca 370.602	0.3678	ppb	0.6064	164.9	-0.1612	0.36782
Cd 226.502	0.0298	ppb	0.1833	614.2	14.9603	0.02985
Co 228.615	0.2543	ppb	0.4408	173.3	-8.9226	0.25427
Cr 267.716	0.3230	ppb	0.0955	29.6	15.5860	0.32304
Cu 324.754	0.4931	ppb	0.0782	15.9	230.055	0.49311
Fe 271.441	1.5442	ppb	7.9646	515.8	21.8190	1.54416
K 766.491	-0.5252	ppb	0.1841	35.0	1769.87	-0.52523
Mg 279.078	-1.0491	ppb	1.1536	110.0	28.3693	-1.04906
Mn 257.610	0.2908	ppb	0.0577	19.8	56.8696	0.29080
Mo 202.032	0.2714	ppb	0.4091	150.7	6.6813	0.27139

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Na 330.237	127.691	ppb	212.773	166.6	59.9504	127.69131
Ni 231.604	0.3659	ppb	0.9088	248.4	4.4918	0.36592
Pb 220.353	-2.6725	ppb	2.7506	102.9	-2.8200	-2.67251
Sb 206.834	1.6156	ppb	0.8006	49.6	7.4204	1.61565
Se 196.026	5.0523	ppb	1.1872	23.5	7.3320	5.05227
Sn 189.925	-1.1271	ppb	1.9240	170.7	-5.1882	-1.12713
Sr 216.596	0.0122	ppb	0.2382	1950.9	1.0306	0.01221
Ti 334.941	0.1693	ppb	0.0381	22.5	-26.5810	0.16927
Tl 190.794	1.5834	ppb	1.7846	112.7	-4.7871	1.58339
V 292.401	0.4375	ppb	0.2547	58.2	21.8497	0.43749
Zn 206.200	0.5286	ppb	0.4010	75.9	1.9718	0.52858

680-105108-d-13-a (Samp) **9/13/2014, 3:55:24 AM** **Rack 4, Tube 51**

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

Label	Replicates Concentration		
Ag 328.068	0.2321	0.0721	-0.3897u
Al 308.215	81.4965	80.4954	82.3851
As 188.980	8.1499	0.9085	3.0156
B 249.678	32.6233	32.1955	32.5302
Ba 389.178	100.655	100.286	101.424
Be 313.042	0.1234	0.1097	0.1173
Ca 370.602	1119	1136	1126
Cd 226.502	0.1526	0.0115	0.0027
Co 228.615	0.7493	1.0063	0.7156
Cr 267.716	9.1007	9.0002	9.1352
Cu 324.754	1.2887	1.0432	1.0985
Fe 271.441	66.4213	71.4538	78.3416
K 766.491	2556.29	2570.16	2562.99
Mg 279.078	1979.48	1982.77	1982.82
Mn 257.610	2.7225	2.7810	2.7217
Mo 202.032	0.8416	0.1312	0.5743
Na 330.237	7144.80	7338.07	7093.08
Ni 231.604	1.9378	2.5443	2.0505
Pb 220.353	-3.0281u	3.6683	3.4108
Sb 206.834	1.8753	0.4022	-0.9208u
Se 196.026	10.6180	5.2308	6.6571
Sn 189.925	-0.2865u	0.3515	-0.5120u
Sr 216.596	23.5444	22.8644	23.6063
Ti 334.941	0.6693	0.5695	0.6313
Tl 190.794	-6.3387u	-0.5293u	3.3207
V 292.401	0.2423	0.1830	0.6080
Zn 206.200	4.2055	3.4330	4.4917

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.0285	ppb	0.3229	1131.9	-21.0468
Al 308.215	81.4590	ppb	0.9454	1.2	850.604
As 188.980	4.0247	ppb	3.7247	92.5	-2.1565
B 249.678	32.4497	ppb	0.2250	0.7	475.567
Ba 389.178	100.789	ppb	0.5805	0.6	2082.27
Be 313.042	0.1168	ppb	0.0069	5.9	-2935.35
Ca 370.602	1127	ppb	8.427	0.7	4178
Cd 226.502	0.0556	ppb	0.0841	151.2	15.8700
Co 228.615	0.8237	ppb	0.1590	19.3	-4.5660

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Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Cr 267.716	9.0787	ppb	0.0701	0.8	240.873
Cu 324.754	1.1434	ppb	0.1288	11.3	260.289
Fe 271.441	72.0722	ppb	5.9842	8.3	83.1659
K 766.491	2563.15	ppb	6.9388	0.3	328519
Mg 279.078	1981.69	ppb	1.9114	0.1	4250.09
Mn 257.610	2.7417	ppb	0.0340	1.2	406.463
Mo 202.032	0.5157	ppb	0.3588	69.6	8.0165
Na 330.237	7191.98	ppb	129.127	1.8	475.679
Ni 231.604	2.1775	ppb	0.3226	14.8	9.4508
Pb 220.353	1.3503	ppb	3.7940	281.0	1.0605
Sb 206.834	0.4522	ppb	1.3987	309.3	6.5067
Se 196.026	7.5020	ppb	2.7912	37.2	8.1814
Sn 189.925	-0.1490	ppb	0.4479	300.6	-4.6626
Sr 216.596	23.3384	ppb	0.4117	1.8	169.711
Ti 334.941	0.6233	ppb	0.0503	8.1	136.226
Tl 190.794	-1.1825	ppb	4.8627	411.2	-6.2778
V 292.401	0.3444	ppb	0.2302	66.8	18.2014
Zn 206.200	4.0434	ppb	0.5477	13.5	9.0340

680-105108-d-14-a (Samp) **9/13/2014, 3:59:55 AM** **Rack 4, Tube 52**

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

Label	Replicates Concentration		
Ag 328.068	-0.0654u	-0.4023u	-0.0860u
Al 308.215	235.839	233.337	236.265
As 188.980	1.0158	-0.4019u	7.5910
B 249.678	10.7189	10.0845	9.7061
Ba 389.178	16.3796	15.4679	15.0272
Be 313.042	0.0287	0.0410	0.0341
Ca 370.602	4416	4397	4410
Cd 226.502	0.1852	0.0997	0.3340
Co 228.615	-0.4634u	0.1647	0.8634
Cr 267.716	7.5802	7.8081	7.5692
Cu 324.754	7.7082	7.5146	7.4933
Fe 271.441	188.447	187.172	178.773
K 766.491	644.463	640.778	642.020
Mg 279.078	502.223	504.162	504.841
Mn 257.610	5.1726	5.1944	5.1137
Mo 202.032	0.6497	1.3325	0.7568
Na 330.237	419.413	398.033	554.561
Ni 231.604	3.1353	3.6849	3.7359
Pb 220.353	3.4441	1.8847	3.4782
Sb 206.834	7.0249	-0.5534u	0.4714
Se 196.026	-1.1546u	1.8343	9.2102
Sn 189.925	-3.0366u	1.5111	-2.0566u
Sr 216.596	11.2698	11.0419	10.9619
Ti 334.941	3.9215	4.2608	4.1598
Tl 190.794	-6.7262u	-0.2857u	0.7398
V 292.401	2.5681	2.1614	1.9078
Zn 206.200	18.9676	18.5403	17.2131

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.1846	ppb	0.1889	102.3	-28.5870
Al 308.215	235.147	ppb	1.5819	0.7	1722.77

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Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
As 188.980	2.7350	ppb	4.2648	155.9	-2.7565
B 249.678	10.1698	ppb	0.5118	5.0	170.032
Ba 389.178	15.6249	ppb	0.6897	4.4	296.043
Be 313.042	0.0346	ppb	0.0062	17.8	-3125.10
Ca 370.602	4408	ppb	9.748	0.2	16343
Cd 226.502	0.2063	ppb	0.1186	57.5	20.5142
Co 228.615	0.1882	ppb	0.6637	352.6	-9.3748
Cr 267.716	7.6525	ppb	0.1349	1.8	204.118
Cu 324.754	7.5720	ppb	0.1184	1.6	566.616
Fe 271.441	184.797	ppb	5.2562	2.8	181.193
K 766.491	642.420	ppb	1.8750	0.3	83715.6
Mg 279.078	503.742	ppb	1.3588	0.3	1102.87
Mn 257.610	5.1602	ppb	0.0418	0.8	732.155
Mo 202.032	0.9130	ppb	0.3672	40.2	10.1867
Na 330.237	457.336	ppb	84.8756	18.6	79.1597
Ni 231.604	3.5187	ppb	0.3330	9.5	13.1242
Pb 220.353	2.9357	ppb	0.9104	31.0	2.5809
Sb 206.834	2.3143	ppb	4.1116	177.7	8.0320
Se 196.026	3.2967	ppb	5.3349	161.8	6.7540
Sn 189.925	-1.1941	ppb	2.3934	200.4	-5.2240
Sr 216.596	11.0912	ppb	0.1597	1.4	82.0014
Ti 334.941	4.1140	ppb	0.1743	4.2	1357.67
Tl 190.794	-2.0907	ppb	4.0471	193.6	-6.7737
V 292.401	2.2125	ppb	0.3331	15.1	78.4132
Zn 206.200	18.2404	ppb	0.9149	5.0	37.6441

680-105108-d-15-a (Samp) **9/13/2014, 4:04:27 AM** **Rack 4, Tube 53**

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

Label	Replicates Concentration		
Ag 328.068	0.0807	0.1148	-0.1749u
Al 308.215	835.978	830.601	838.039
As 188.980	-1.0555u	0.7448	-2.8334u
B 249.678	55.5612	54.7189	55.4444
Ba 389.178	96.4145	95.5013	95.6730
Be 313.042	0.6532	0.6574	0.6535
Ca 370.602	2839	2823	2832
Cd 226.502	0.0889	0.2128	0.0824
Co 228.615	4.2115	5.0141	5.1402
Cr 267.716	0.8178	0.9016	0.9201
Cu 324.754	1.3735	1.2181	1.0926
Fe 271.441	59.2112	52.1786	55.9928
K 766.491	1232.73	1230.68	1234.75
Mg 279.078	8698.11	8664.70	8697.89
Mn 257.610	20.6450	20.5381	20.7341
Mo 202.032	-0.4890u	-0.3070u	0.0285
Na 330.237	12748.5	12891.9	12935.1
Ni 231.604	3.7698	4.8373	3.8744
Pb 220.353	0.9010	6.5323	8.2645
Sb 206.834	0.1249	4.2735	-2.6821u
Se 196.026	-3.4410u	-5.2906u	7.1713
Sn 189.925	2.1048	-0.3529u	-7.3121u
Sr 216.596	90.4607	88.5055	89.0014
Ti 334.941	4.1164	4.4272	4.1453

Label	Replicates Concentration		
Tl 190.794	-3.5497u	-3.6175u	-7.4771u
V 292.401	0.5234	0.6810	0.6891
Zn 206.200	2.0440	2.7266	3.8441

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	0.0069	ppb	0.1583	2302.9	-19.3439
Al 308.215	834.873	ppb	3.8401	0.5	5125.54
As 188.980	-1.0480	ppb	1.7892	170.7	-4.5137
B 249.678	55.2415	ppb	0.4563	0.8	788.094
Ba 389.178	95.8630	ppb	0.4853	0.5	1995.81
Be 313.042	0.6547	ppb	0.0023	0.4	-1674.43
Ca 370.602	2831	ppb	7.823	0.3	10498
Cd 226.502	0.1280	ppb	0.0735	57.4	17.9577
Co 228.615	4.7886	ppb	0.5037	10.5	25.7954
Cr 267.716	0.8799	ppb	0.0545	6.2	30.0152
Cu 324.754	1.2281	ppb	0.1408	11.5	262.643
Fe 271.441	55.7942	ppb	3.5205	6.3	69.2799
K 766.491	1232.72	ppb	2.0372	0.2	158951
Mg 279.078	8686.90	ppb	19.2274	0.2	18527.6
Mn 257.610	20.6391	ppb	0.0981	0.5	2914.29
Mo 202.032	-0.2558	ppb	0.2625	102.6	3.7844
Na 330.237	12858.5	ppb	97.6620	0.8	809.140
Ni 231.604	4.1605	ppb	0.5885	14.1	14.8758
Pb 220.353	5.2326	ppb	3.8500	73.6	4.7706
Sb 206.834	0.5721	ppb	3.4993	611.7	6.5686
Se 196.026	-0.5201	ppb	6.7249	1293.0	5.4339
Sn 189.925	-1.8534	ppb	4.8845	263.5	-5.5749
Sr 216.596	89.3225	ppb	1.0164	1.1	646.521
Ti 334.941	4.2297	ppb	0.1717	4.1	1414.40
Tl 190.794	-4.8814	ppb	2.2481	46.1	-8.2641
V 292.401	0.6312	ppb	0.0934	14.8	28.2426
Zn 206.200	2.8716	ppb	0.9087	31.6	6.6920

680-105108-d-16-a (Samp) **9/13/2014, 4:08:58 AM** **Rack 4, Tube 54**

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

Label	Replicates Concentration		
Ag 328.068	-0.1190u	-0.3176u	-0.1467u
Al 308.215	-5.9852u	-1.4738u	0.8229
As 188.980	-2.4635u	2.2522	-5.0041u
B 249.678	24.6856	24.0397	23.9494
Ba 389.178	3.2068	3.0852	3.2280
Be 313.042	-0.0131u	-0.0238u	-0.0231u
Ca 370.602	21050	21102	21074
Cd 226.502	0.0914	0.0454	-0.1091u
Co 228.615	0.0716	-0.0944u	0.0725
Cr 267.716	0.0327	-0.4101u	0.1684
Cu 324.754	2.0502	2.3072	2.1048
Fe 271.441	-12.8587u	-7.3551u	-12.6079u
K 766.491	3084.90	3095.97	3093.11
Mg 279.078	7845.00	7845.38	7845.84
Mn 257.610	-0.3186	-0.2002	-0.2907
Mo 202.032	0.8501	0.0264	1.1743
Na 330.237	13257.9	13401.9	13381.6

Label	Replicates Concentration		
Ni 231.604	0.7916	-0.2208u	0.5363
Pb 220.353	-3.4223u	0.4221	2.9493
Sb 206.834	-4.1316u	-0.3168u	-1.9399u
Se 196.026	9.8826	1.6121	3.5006
Sn 189.925	-3.8506u	-3.3872u	0.7055
Sr 216.596	322.117	323.409	322.323
Ti 334.941	0.0994	0.1551	0.1497
Tl 190.794	-1.5596u	-2.7005u	-0.8958u
V 292.401	0.0957	0.0861	0.2700
Zn 206.200	34.8262	34.9168	34.9325

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.1944	ppb	0.1076	55.3	-29.1553
Al 308.215	-2.2120	ppb	3.4635	156.6	375.841
As 188.980	-1.7385	ppb	3.6821	211.8	-4.8339
B 249.678	24.2249	ppb	0.4015	1.7	362.833
Ba 389.178	3.1733	ppb	0.0771	2.4	53.3134
Be 313.042	-0.0200	ppb	0.0060	29.8	-3249.00
Ca 370.602	21075	ppb	25.99	0.1	78156
Cd 226.502	0.0093	ppb	0.1051	1135.4	14.3506
Co 228.615	0.0166	ppb	0.0961	580.4	-10.7462
Cr 267.716	-0.0697	ppb	0.3025	434.3	5.5944
Cu 324.754	2.1541	ppb	0.1354	6.3	289.861
Fe 271.441	-10.9405	ppb	3.1076	28.4	10.9429
K 766.491	3091.33	ppb	5.7453	0.2	395837
Mg 279.078	7845.40	ppb	0.4210	0.0	16735.9
Mn 257.610	-0.2698	ppb	0.0619	22.9	23.9439
Mo 202.032	0.6836	ppb	0.5918	86.6	8.9444
Na 330.237	13347.1	ppb	77.9643	0.6	837.895
Ni 231.604	0.3690	ppb	0.5265	142.7	4.4998
Pb 220.353	-0.0170	ppb	3.2084	18924.7	-0.2585
Sb 206.834	-2.1294	ppb	1.9145	89.9	4.3114
Se 196.026	4.9984	ppb	4.3340	86.7	7.4214
Sn 189.925	-2.1774	ppb	2.5074	115.2	-5.7485
Sr 216.596	322.617	ppb	0.6944	0.2	2335.28
Ti 334.941	0.1347	ppb	0.0307	22.8	-23.3148
Tl 190.794	-1.7186	ppb	0.9128	53.1	-6.5605
V 292.401	0.1506	ppb	0.1035	68.7	12.5432
Zn 206.200	34.8918	ppb	0.0574	0.2	71.2082

680-105108-d-17-a (Samp) **9/13/2014, 4:13:30 AM** **Rack 4, Tube 55**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Replicates Concentration		
Ag 328.068	0.0611	-0.3923u	-0.0893u
Al 308.215	95.2259	92.1922	94.3534
As 188.980	3.0011	-1.4943u	-2.0009u
B 249.678	31.8223	31.3955	32.1689
Ba 389.178	62.4258	61.5893	61.9607
Be 313.042	0.0125	0.0338	0.0334
Ca 370.602	775.7	773.0	771.9
Cd 226.502	0.0665	-0.1631u	0.2838
Co 228.615	0.3676	1.0867	0.4943
Cr 267.716	12.3579	12.4925	12.0479

Label	Replicates Concentration		
Cu 324.754	1.0512	1.1676	1.1783
Fe 271.441	72.2983	70.0237	66.8560
K 766.491	807.938	801.350	804.400
Mg 279.078	1382.71	1368.78	1369.65
Mn 257.610	40.3079	39.8648	40.0620
Mo 202.032	0.2340	-0.3822u	-0.0902u
Na 330.237	22069.5	21811.6	21933.1
Ni 231.604	2.5595	1.7990	2.6687
Pb 220.353	2.3935	6.1334	0.9682
Sb 206.834	-1.7533u	-2.7487u	-0.9814u
Se 196.026	2.4872	11.7889	1.7427
Sn 189.925	-4.8623u	-3.6932u	0.0746
Sr 216.596	19.3585	18.0113	18.2501
Ti 334.941	0.4095	0.4012	0.3933
Tl 190.794	2.9521	-4.1291u	-5.2522u
V 292.401	0.5489	0.6022	0.3862
Zn 206.200	2.6550	3.6812	2.3127

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.1402	ppb	0.2309	164.8	-26.3155
Al 308.215	93.9239	ppb	1.5618	1.7	921.298
As 188.980	-0.1647	ppb	2.7534	1671.8	-4.1033
B 249.678	31.7955	ppb	0.3874	1.2	466.573
Ba 389.178	61.9920	ppb	0.4191	0.7	1268.61
Be 313.042	0.0266	ppb	0.0121	45.7	-3148.63
Ca 370.602	773.6	ppb	1.977	0.3	2866
Cd 226.502	0.0624	ppb	0.2235	358.0	16.0027
Co 228.615	0.6496	ppb	0.3839	59.1	-5.8901
Cr 267.716	12.2995	ppb	0.2280	1.9	323.842
Cu 324.754	1.1323	ppb	0.0705	6.2	260.085
Fe 271.441	69.7260	ppb	2.7333	3.9	81.1203
K 766.491	804.563	ppb	3.2966	0.4	104381
Mg 279.078	1373.72	ppb	7.8003	0.6	2955.53
Mn 257.610	40.0782	ppb	0.2220	0.6	5555.70
Mo 202.032	-0.0795	ppb	0.3082	387.9	4.7509
Na 330.237	21938.0	ppb	129.009	0.6	1343.58
Ni 231.604	2.3424	ppb	0.4738	20.2	9.9018
Pb 220.353	3.1650	ppb	2.6676	84.3	2.8128
Sb 206.834	-1.8278	ppb	0.8860	48.5	4.6493
Se 196.026	5.3396	ppb	5.5976	104.8	7.4411
Sn 189.925	-2.8270	ppb	2.5799	91.3	-6.0950
Sr 216.596	18.5400	ppb	0.7188	3.9	134.988
Ti 334.941	0.4013	ppb	0.0081	2.0	55.8795
Tl 190.794	-2.1431	ppb	4.4481	207.6	-6.7876
V 292.401	0.5124	ppb	0.1125	22.0	23.3954
Zn 206.200	2.8830	ppb	0.7121	24.7	6.6880

680-105108-d-18-a (Samp) **9/13/2014, 4:18:01 AM** **Rack 4, Tube 56**

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

Label	Replicates Concentration		
Ag 328.068	0.0046	-0.0935u	0.0135
Al 308.215	20.6039	22.0954	20.4581
As 188.980	4.6994	-0.3318u	0.7297

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Label	Replicates Concentration		
B 249.678	12.2260	12.0191	12.0288
Ba 389.178	29.8190	30.8228	29.9528
Be 313.042	0.0358	0.0360	0.0507
Ca 370.602	205.7	196.7	196.5
Cd 226.502	0.1451	0.0242	0.0199
Co 228.615	0.1815	0.4861	0.2363
Cr 267.716	0.3729	-0.0500u	0.1491
Cu 324.754	0.3424	0.3193	0.1826
Fe 271.441	7.1404	5.0512	7.5606
K 766.491	826.736	829.019	824.206
Mg 279.078	481.763	480.449	482.102
Mn 257.610	0.3716	0.4759	0.3484
Mo 202.032	0.8469	-0.0084u	-0.4116u
Na 330.237	5766.33	5940.26	6133.33
Ni 231.604	1.0343	0.4236	-0.0216u
Pb 220.353	-2.4099u	1.5552	-0.1849u
Sb 206.834	-1.9122u	6.3427	2.0428
Se 196.026	-1.0541u	5.4667	19.2192
Sn 189.925	-3.7450u	-0.0084u	-1.3552u
Sr 216.596	6.6854	6.4188	5.6226
Ti 334.941	0.1653	0.1423	0.1403
Tl 190.794	-3.8805u	0.9278	2.7017
V 292.401	0.5734	0.5383	0.2863
Zn 206.200	1.8582	2.0814	2.7443

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.0251	ppb	0.0594	236.2	-20.8728
Al 308.215	21.0525	ppb	0.9061	4.3	507.829
As 188.980	1.6991	ppb	2.6520	156.1	-3.2368
B 249.678	12.0913	ppb	0.1167	1.0	196.480
Ba 389.178	30.1982	ppb	0.5450	1.8	600.735
Be 313.042	0.0408	ppb	0.0085	20.9	-3113.34
Ca 370.602	199.7	ppb	5.252	2.6	738.9
Cd 226.502	0.0631	ppb	0.0711	112.7	15.9113
Co 228.615	0.3013	ppb	0.1624	53.9	-8.5606
Cr 267.716	0.1573	ppb	0.2116	134.5	11.3704
Cu 324.754	0.2814	ppb	0.0863	30.7	219.667
Fe 271.441	6.5840	ppb	1.3440	20.4	26.2061
K 766.491	826.654	ppb	2.4077	0.3	107197
Mg 279.078	481.438	ppb	0.8731	0.2	1055.73
Mn 257.610	0.3986	ppb	0.0679	17.0	74.4687
Mo 202.032	0.1423	ppb	0.6426	451.6	5.9727
Na 330.237	5946.64	ppb	183.587	3.1	402.423
Ni 231.604	0.4788	ppb	0.5301	110.7	4.8006
Pb 220.353	-0.3465	ppb	1.9875	573.5	-0.5772
Sb 206.834	2.1578	ppb	4.1286	191.3	7.8700
Se 196.026	7.8773	ppb	10.3494	131.4	8.3045
Sn 189.925	-1.7029	ppb	1.8924	111.1	-5.4956
Sr 216.596	6.2423	ppb	0.5529	8.9	46.0672
Ti 334.941	0.1493	ppb	0.0139	9.3	-33.0440
Tl 190.794	-0.0837	ppb	3.4056	4070.5	-5.6830
V 292.401	0.4660	ppb	0.1566	33.6	22.7634
Zn 206.200	2.2280	ppb	0.4609	20.7	5.3962

680-105126-f-1-a (Samp) **9/13/2014, 4:22:32 AM** **Rack 4, Tube 57**

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

Label	Replicates Concentration		
Ag 328.068	-0.6100u	-0.3054u	-0.4228u
Al 308.215	1066.43	1064.26	1064.05
As 188.980	3.3943	0.7535	3.1358
B 249.678	54.0376	53.8499	54.6904
Ba 389.178	53.9978	53.7378	53.0815
Be 313.042	0.5281	0.5098	0.5238
Ca 370.602	9630	9608	9616
Cd 226.502	0.2455	0.3160	0.0161
Co 228.615	4.6081	4.6742	3.8420
Cr 267.716	0.8079	0.8468	0.4582
Cu 324.754	2.3043	2.4046	2.4070
Fe 271.441	1.0003	20.7212	8.1383
K 766.491	8133.13	8118.53	8125.92
Mg 279.078	6073.72	6059.01	6057.55
Mn 257.610	41.3828	41.1550	41.3306
Mo 202.032	-0.5109u	0.3616	-0.5467u
Na 330.237	4686.07	4353.71	4419.53
Ni 231.604	2.6812	4.4907	3.3363
Pb 220.353	9.7598	4.2666	11.9601
Sb 206.834	3.0930	4.7003	3.3453
Se 196.026	-0.3086u	-1.4919u	5.1015
Sn 189.925	-4.6449u	-0.7610u	-1.0637u
Sr 216.596	129.728	131.591	130.162
Ti 334.941	0.2051	0.1765	0.1998
Tl 190.794	-1.2038u	-7.9229u	1.1361
V 292.401	-0.2299u	0.1329	0.5003
Zn 206.200	6.1366	6.8488	7.6597

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.4461	ppb	0.1536	34.4	-41.1589
Al 308.215	1064.91	ppb	1.3204	0.1	6430.80
As 188.980	2.4279	ppb	1.4558	60.0	-2.8983
B 249.678	54.1927	ppb	0.4412	0.8	773.760
Ba 389.178	53.6057	ppb	0.4722	0.9	1104.62
Be 313.042	0.5206	ppb	0.0095	1.8	-1985.46
Ca 370.602	9618	ppb	11.58	0.1	35667
Cd 226.502	0.1925	ppb	0.1568	81.4	19.7185
Co 228.615	4.3748	ppb	0.4626	10.6	22.5743
Cr 267.716	0.7043	ppb	0.2140	30.4	25.4374
Cu 324.754	2.3720	ppb	0.0586	2.5	311.311
Fe 271.441	9.9532	ppb	9.9850	100.3	29.3949
K 766.491	8125.86	ppb	7.3005	0.1	1037507
Mg 279.078	6063.43	ppb	8.9411	0.1	12941.5
Mn 257.610	41.2894	ppb	0.1193	0.3	5749.35
Mo 202.032	-0.2320	ppb	0.5144	221.7	3.9191
Na 330.237	4486.44	ppb	175.992	3.9	316.467
Ni 231.604	3.5027	ppb	0.9162	26.2	13.0747
Pb 220.353	8.6621	ppb	3.9625	45.7	8.0715
Sb 206.834	3.7129	ppb	0.8644	23.3	9.1656
Se 196.026	1.1003	ppb	3.5153	319.5	6.0281
Sn 189.925	-2.1565	ppb	2.1603	100.2	-5.7390
Sr 216.596	130.494	ppb	0.9745	0.7	945.294

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Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ti 334.941	0.1938	ppb	0.0152	7.8	-5.5257
Tl 190.794	-2.6635	ppb	4.7026	176.6	-7.0697
V 292.401	0.1344	ppb	0.3651	271.5	12.2192
Zn 206.200	6.8817	ppb	0.7621	11.1	14.7712

680-105155-e-1-a (Samp) **9/13/2014, 4:27:04 AM** **Rack 4, Tube 58**

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

Label	Replicates Concentration		
Ag 328.068	-0.0654u	0.0351u	-0.3666u
Al 308.215	79.6026	80.4034	81.8694
As 188.980	3.6767	0.6465	-5.3669u
B 249.678	5.8927	6.2580	6.7152
Ba 389.178	25.6759	24.8507	24.4724
Be 313.042	-0.0178u	-0.0300u	-0.0055u
Ca 370.602	16474	16519	16505
Cd 226.502	0.2362	-0.1190	0.0109
Co 228.615	3.4323	2.2402	3.2303
Cr 267.716	-0.3063u	-0.6448u	-0.3405u
Cu 324.754	0.0023u	0.3586	0.7128
Fe 271.441	38306.2	38336.3	38317.9
K 766.491	19135.2	19187.3	19167.9
Mg 279.078	3232.96	3249.29	3240.67
Mn 257.610	486.547	487.184	487.330
Mo 202.032	-0.5381u	-0.1288u	0.2456u
Na 330.237	9860.10	9981.59	10085.3
Ni 231.604	10.9530	12.8183	12.8636
Pb 220.353	1.3585	2.9748	-1.4641u
Sb 206.834	1.5954	5.3887	-1.1598u
Se 196.026	-12.0150u	8.3730	1.6584
Sn 189.925	-2.1391u	-3.5485u	3.5359
Sr 216.596	95.3460	95.2161	96.7746
Ti 334.941	2.7273	2.7075	2.7195
Tl 190.794	-3.8621u	-8.1095u	3.9374u
V 292.401	0.1814	0.2459	0.0791
Zn 206.200	3.5690	3.9053	3.2026

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.1323	ppb	0.2090	158.0	-28.1224
Al 308.215	80.6251	ppb	1.1496	1.4	845.799
As 188.980	-0.3479	ppb	4.6031	1323.0	-4.4497
B 249.678	6.2886	ppb	0.4121	6.6	91.2683
Ba 389.178	24.9997	ppb	0.6154	2.5	567.007
Be 313.042	-0.0178	ppb	0.0123	69.0	-3246.05
Ca 370.602	16499	ppb	23.26	0.1	60658
Cd 226.502	0.0427	ppb	0.1797	420.7	111.856
Co 228.615	2.9676	ppb	0.6380	21.5	13.5938
Cr 267.716	-0.4305	ppb	0.1863	43.3	-3.7204
Cu 324.754	0.3579	ppb	0.3553	99.3	207.870
Fe 271.441	38320.1	ppb	15.2057	0.0	33354.1
K 766.491	19163.5	ppb	26.3587	0.1	2444290
Mg 279.078	3240.98	ppb	8.1685	0.3	6855.25
Mn 257.610	487.020	ppb	0.4166	0.1	67330.4
Mo 202.032	-0.1404	ppb	0.3920	279.2	1.3338

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Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Na 330.237	9975.68	ppb	112.740	1.1	622.630
Ni 231.604	12.2116	ppb	1.0903	8.9	38.2361
Pb 220.353	0.9564	ppb	2.2466	234.9	0.2781
Sb 206.834	1.9414	ppb	3.2879	169.4	7.7008
Se 196.026	-0.6612	ppb	10.3901	1571.4	6.0205
Sn 189.925	-0.7172	ppb	3.7501	522.9	-4.9666
Sr 216.596	95.7789	ppb	0.8647	0.9	721.484
Ti 334.941	2.7181	ppb	0.0100	0.4	878.487
Tl 190.794	-2.6781	ppb	6.1101	228.2	-9.6768
V 292.401	0.1688	ppb	0.0841	49.8	29.1700
Zn 206.200	3.5589	ppb	0.3514	9.9	8.9107

680-105155-e-2-a (Samp) **9/13/2014, 4:31:35 AM** **Rack 4, Tube 59**

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

Label	Replicates	Concentration	
Ag 328.068	0.3981	-0.0143u	0.1175
Al 308.215	151.781	151.547	151.822
As 188.980	-0.5394u	-8.5639u	-3.6797u
B 249.678	8.2105	8.2460	8.3671
Ba 389.178	25.3874	24.9150	24.6444
Be 313.042	0.0366	0.0265	0.0228
Ca 370.602	22564	22787	22597
Cd 226.502	-0.1279	0.1410	-0.1122
Co 228.615	1.1342	1.3208	0.7308
Cr 267.716	0.4304	0.7098	0.6376
Cu 324.754	1.1787	1.2815	1.3973
Fe 271.441	12252.5	12262.9	12184.5
K 766.491	21324.8	21332.2	21295.9
Mg 279.078	4937.01	4941.39	4922.56
Mn 257.610	166.859	167.394	166.103
Mo 202.032	1.9383	1.4930	1.2765
Na 330.237	13816.8	14105.3	13708.4
Ni 231.604	4.0088	2.4420	2.2855
Pb 220.353	2.3932	-0.6760u	-0.0831u
Sb 206.834	-1.7734u	6.2450	0.4528
Se 196.026	9.7672	8.9846	1.2708
Sn 189.925	2.7212	-1.1570u	-3.2151u
Sr 216.596	194.928	195.870	194.619
Ti 334.941	3.8971	3.9484	3.8695
Tl 190.794	-1.0224u	-1.8927u	-6.0690u
V 292.401	1.0104	0.8922	0.8595
Zn 206.200	3.4938	3.1204	5.2729

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	0.1671	ppb	0.2106	126.0	-12.2470
Al 308.215	151.717	ppb	0.1481	0.1	1249.34
As 188.980	-4.2610	ppb	4.0438	94.9	-6.0894
B 249.678	8.2745	ppb	0.0821	1.0	136.032
Ba 389.178	24.9823	ppb	0.3760	1.5	524.375
Be 313.042	0.0286	ppb	0.0072	25.0	-3135.42
Ca 370.602	22649	ppb	120.1	0.5	83827
Cd 226.502	-0.0330	ppb	0.1509	456.9	43.9064
Co 228.615	1.0619	ppb	0.3016	28.4	-2.1602

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Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Cr 267.716	0.5926	ppb	0.1451	24.5	22.6274
Cu 324.754	1.2858	ppb	0.1093	8.5	246.542
Fe 271.441	12233.3	ppb	42.5616	0.3	10661.9
K 766.491	21317.7	ppb	19.1753	0.1	2718849
Mg 279.078	4933.65	ppb	9.8515	0.2	10511.5
Mn 257.610	166.786	ppb	0.6485	0.4	23088.8
Mo 202.032	1.5693	ppb	0.3374	21.5	12.8182
Na 330.237	13876.8	ppb	205.129	1.5	863.716
Ni 231.604	2.9121	ppb	0.9530	32.7	11.8835
Pb 220.353	0.5447	ppb	1.6281	298.9	0.1485
Sb 206.834	1.6415	ppb	4.1393	252.2	7.4247
Se 196.026	6.6742	ppb	4.6958	70.4	8.1887
Sn 189.925	-0.5503	ppb	3.0143	547.7	-4.8763
Sr 216.596	195.139	ppb	0.6517	0.3	1423.13
Ti 334.941	3.9050	ppb	0.0400	1.0	1294.24
Tl 190.794	-2.9947	ppb	2.6978	90.1	-8.0747
V 292.401	0.9207	ppb	0.0794	8.6	42.0979
Zn 206.200	3.9624	ppb	1.1502	29.0	9.1545

CRI (Samp) **9/13/2014, 4:36:06 AM** **Rack 4, Tube 60**

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

Label	Replicates Concentration		
Ag 328.068	9.9373	10.5258	10.4151
Al 308.215	195.989	194.085	196.513
As 188.980	16.9044	25.8652	20.0060
B 249.678	101.640	100.253	102.372
Ba 389.178	10.0467	9.9389	10.1005
Be 313.042	4.1488	4.1447	4.1358
Ca 370.602	507.4	498.4	508.5
Cd 226.502	5.2359	5.4994	5.2332
Co 228.615	11.1189	9.5542	9.4755
Cr 267.716	9.8168	9.9240	9.7999
Cu 324.754	21.2805	20.5953	21.0949
Fe 271.441	53.4820	57.8454	55.8080
K 766.491	1050.26	1045.69	1048.16
Mg 279.078	501.168	497.612	501.683
Mn 257.610	10.5679	10.6361	10.6313
Mo 202.032	10.0442	9.8915	9.8356
Na 330.237	1041.33	1153.51	1172.28
Ni 231.604	40.3386	42.1108	40.5928
Pb 220.353	11.5419	13.1275	13.4317
Sb 206.834	19.7858	17.4841	24.2271
Se 196.026	25.8468	26.5120	16.1134
Sn 189.925	49.3785	52.5001	49.2098
Sr 216.596	9.9834	9.2802	9.8864
Ti 334.941	10.0711	10.0502	10.0428
Tl 190.794	23.3095	25.6359	21.6371
V 292.401	10.0856	9.8811	10.1579
Zn 206.200	22.8107	21.0915	20.8653

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	10.2927	ppb	0.3128	3.0	478.264
Al 308.215	195.529	ppb	1.2775	0.7	1498.93

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
As 188.980	20.9252	ppb	4.5506	21.7	5.6989
B 249.678	101.422	ppb	1.0763	1.1	1421.51
Ba 389.178	10.0287	ppb	0.0823	0.8	178.698
Be 313.042	4.1431	ppb	0.0067	0.2	6505.39
Ca 370.602	504.8	ppb	5.532	1.1	1872
Cd 226.502	5.3229	ppb	0.1529	2.9	168.097
Co 228.615	10.0495	ppb	0.9270	9.2	65.8826
Cr 267.716	9.8469	ppb	0.0673	0.7	260.502
Cu 324.754	20.9902	ppb	0.3544	1.7	1216.42
Fe 271.441	55.7118	ppb	2.1833	3.9	69.5971
K 766.491	1048.04	ppb	2.2851	0.2	135413
Mg 279.078	500.154	ppb	2.2171	0.4	1095.48
Mn 257.610	10.6118	ppb	0.0381	0.4	1484.19
Mo 202.032	9.9238	ppb	0.1080	1.1	59.6347
Na 330.237	1122.37	ppb	70.8095	6.3	118.255
Ni 231.604	41.0140	ppb	0.9582	2.3	115.707
Pb 220.353	12.7003	ppb	1.0147	8.0	11.9939
Sb 206.834	20.4990	ppb	3.4276	16.7	22.9460
Se 196.026	22.8241	ppb	5.8211	25.5	13.4477
Sn 189.925	50.3628	ppb	1.8529	3.7	22.4082
Sr 216.596	9.7167	ppb	0.3811	3.9	69.8544
Ti 334.941	10.0547	ppb	0.0147	0.1	3440.62
Tl 190.794	23.5275	ppb	2.0083	8.5	7.0103
V 292.401	10.0415	ppb	0.1436	1.4	327.965
Zn 206.200	21.5892	ppb	1.0639	4.9	44.3833

Cont Calib Verif (CCV) **9/13/2014, 4:40:35 AM** **Rack 1, Tube 1**

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

Label	Replicates Concentration		
Ag 328.068	498.505	496.933	497.012
Al 308.215	4916.68	4920.88	4928.22
As 188.980	490.222	493.517	493.572
B 249.678	506.605	508.716	512.313
Ba 389.178	4883.41	4872.53	4887.42
Be 313.042	500.388	502.954	503.931
Ca 370.602	4919	4922	4934
Cd 226.502	492.748	492.580	493.962
Co 228.615	492.625	493.549	494.611
Cr 267.716	4934.64	4927.08	4942.88
Cu 324.754	4989.93	4934.02	4987.94
Fe 271.441	4976.90	4962.31	4970.53
K 766.491	10128.6	10121.6	10154.6
Mg 279.078	4939.56	4946.81	4960.11
Mn 257.610	4986.94	5018.11	5014.74
Mo 202.032	492.681	491.183	492.949
Na 330.237	7337.08	7438.18	7341.68
Ni 231.604	2479.74	2482.72	2488.05
Pb 220.353	502.204	501.150	502.090
Sb 206.834	951.746	928.914	963.422
Se 196.026	4990.74	4977.97	4995.03
Sn 189.925	4858.71	4859.01	4865.16
Sr 216.596	2442.63	2439.80	2449.79
Ti 334.941	485.706	485.229	486.420

Label	Replicates Concentration		
Tl 190.794	5003.61	4985.08	4969.14
V 292.401	4921.00	4913.65	4931.95
Zn 206.200	2479.00	2474.07	2475.13

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Ag 328.068	497.484	ppb	0.8859	0.2	24073.3	99.49670
Al 308.215	4921.93	ppb	5.8383	0.1	28597.1	98.43855
As 188.980	492.437	ppb	1.9184	0.4	224.871	98.48740
B 249.678	509.211	ppb	2.8860	0.6	7021.86	101.84230
Ba 389.178	4881.12	ppb	7.7036	0.2	102175	97.62239
Be 313.042	502.424	ppb	1.8301	0.4	1175996	100.48489
Ca 370.602	4925	ppb	7.848	0.2	18298	98.49675
Cd 226.502	493.097	ppb	0.7542	0.2	14280.8	98.61934
Co 228.615	493.595	ppb	0.9937	0.2	3758.57	98.71892
Cr 267.716	4934.87	ppb	7.9018	0.2	126908	98.69731
Cu 324.754	4970.63	ppb	31.7196	0.6	239478	99.41261
Fe 271.441	4969.92	ppb	7.3135	0.1	4392.71	99.39830
K 766.491	10134.9	ppb	17.3668	0.2	1293571	101.34933
Mg 279.078	4948.83	ppb	10.4197	0.2	10558.2	98.97652
Mn 257.610	5006.60	ppb	17.1103	0.3	691005	100.13194
Mo 202.032	492.271	ppb	0.9517	0.2	2703.68	98.45421
Na 330.237	7372.31	ppb	57.0914	0.8	469.165	98.29752
Ni 231.604	2483.50	ppb	4.2109	0.2	6798.52	99.34009
Pb 220.353	501.814	ppb	0.5784	0.1	485.336	100.36290
Sb 206.834	948.027	ppb	17.5523	1.9	812.883	94.80272
Se 196.026	4987.91	ppb	8.8749	0.2	1721.50	99.75826
Sn 189.925	4860.96	ppb	3.6375	0.1	2600.67	97.21919
Sr 216.596	2444.08	ppb	5.1493	0.2	17570.5	97.76308
Ti 334.941	485.785	ppb	0.5996	0.1	170259	97.15697
Tl 190.794	4985.94	ppb	17.2503	0.3	2676.98	99.71886
V 292.401	4922.20	ppb	9.2099	0.2	157915	98.44398
Zn 206.200	2476.07	ppb	2.5953	0.1	4978.03	99.04266

Cont Calib Blank (CCB) **9/13/2014, 4:45:02 AM** **Rack 1, Tube 2**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Replicates Concentration		
Ag 328.068	0.1527	-0.1287u	0.5331
Al 308.215	-6.5077u	-4.8498u	-6.3626u
As 188.980	-2.7504u	6.6747	0.5919
B 249.678	5.7951	5.4685	5.2931
Ba 389.178	0.0043	0.1280	0.3523
Be 313.042	0.0556	0.0377	0.0188
Ca 370.602	2.206	1.350	-2.508u
Cd 226.502	-0.0066u	-0.0229u	0.1964
Co 228.615	0.2803	-0.0141u	0.5487
Cr 267.716	0.7031	0.4435	0.2370
Cu 324.754	0.2166	0.7836	0.4851
Fe 271.441	-4.2413u	-3.6664u	-0.1402u
K 766.491	0.0020	0.1007	0.0710
Mg 279.078	2.4985	0.8076	-1.9164u
Mn 257.610	0.3563	0.3150	0.3497
Mo 202.032	1.4356	0.2984	0.5054
Na 330.237	78.0019	220.374	169.578

Label	Replicates Concentration		
Ni 231.604	2.0431	0.5994	0.6576
Pb 220.353	2.6817	0.8506	1.7535
Sb 206.834	2.9470	1.7211	3.1160
Se 196.026	1.8858	-1.2484u	6.8068
Sn 189.925	-1.2562u	-1.2928u	-1.6000u
Sr 216.596	0.0201	-0.0579u	-0.0007u
Ti 334.941	0.1486	0.1885	0.1444
Tl 190.794	-0.2469u	-2.0675u	1.5050
V 292.401	0.3522	0.6694	0.4470
Zn 206.200	1.2531	0.4660	-0.2181u

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Ag 328.068	0.1857	ppb	0.3321	178.8	-10.6673	0.18572
Al 308.215	-5.9067	ppb	0.9182	15.5	354.901	-5.90668
As 188.980	1.5054	ppb	4.7785	317.4	-3.3266	1.50541
B 249.678	5.5189	ppb	0.2548	4.6	106.377	5.51890
Ba 389.178	0.1615	ppb	0.1764	109.2	-29.2395	0.16153
Be 313.042	0.0374	ppb	0.0184	49.1	-3120.81	0.03738
Ca 370.602	0.3495	ppb	2.511	718.5	-0.1461	0.34951
Cd 226.502	0.0556	ppb	0.1222	219.7	15.6904	0.05563
Co 228.615	0.2716	ppb	0.2815	103.6	-8.8009	0.27162
Cr 267.716	0.4612	ppb	0.2336	50.6	19.1386	0.46120
Cu 324.754	0.4951	ppb	0.2836	57.3	230.160	0.49509
Fe 271.441	-2.6826	ppb	2.2205	82.8	18.1582	-2.68264
K 766.491	0.0579	ppb	0.0506	87.5	1844.19	0.05787
Mg 279.078	0.4632	ppb	2.2275	480.9	31.6019	0.46324
Mn 257.610	0.3403	ppb	0.0222	6.5	63.7019	0.34034
Mo 202.032	0.7465	ppb	0.6057	81.1	9.2884	0.74646
Na 330.237	155.985	ppb	72.1531	46.3	61.6201	155.98479
Ni 231.604	1.1000	ppb	0.8173	74.3	6.5001	1.10004
Pb 220.353	1.7619	ppb	0.9156	52.0	1.4577	1.76193
Sb 206.834	2.5947	ppb	0.7613	29.3	8.2223	2.59468
Se 196.026	2.4814	ppb	4.0605	163.6	6.4479	2.48139
Sn 189.925	-1.3830	ppb	0.1888	13.7	-5.3253	-1.38300
Sr 216.596	-0.0128	ppb	0.0404	314.7	0.8178	-0.01284
Ti 334.941	0.1605	ppb	0.0243	15.2	-29.6558	0.16047
Tl 190.794	-0.2698	ppb	1.7864	662.2	-5.7822	-0.26977
V 292.401	0.4895	ppb	0.1628	33.3	23.3845	0.48952
Zn 206.200	0.5003	ppb	0.7362	147.1	1.9145	0.50032

X (Samp) **9/13/2014, 4:49:29 AM** **Rack 1, Tube 3**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Replicates Concentration		
Ag 328.068	10.7709	10.3261	10.8768
Al 308.215	195.617	194.190	195.759
As 188.980	17.1116	26.0150	16.9384
B 249.678	103.110	102.550	102.539
Ba 389.178	9.7087	9.8688	9.9415
Be 313.042	4.1539	4.1610	4.1647
Ca 370.602	495.2	495.8	503.3
Cd 226.502	5.0227	5.0652	4.9707
Co 228.615	10.5563	10.3297	10.6128
Cr 267.716	10.1136	9.8235	10.2202

Label	Replicates Concentration		
Cu 324.754	21.3703	21.2536	21.6541
Fe 271.441	49.7159	46.6646	53.0831
K 766.491	1045.43	1044.07	1052.24
Mg 279.078	501.383	505.013	510.104
Mn 257.610	10.6333	10.5978	10.6176
Mo 202.032	10.6870	10.5319	9.8604
Na 330.237	1158.75	1010.76	919.865
Ni 231.604	41.6728	38.3473	40.5311
Pb 220.353	11.1519	14.0694	9.4658
Sb 206.834	21.9206	21.0018	20.9427
Se 196.026	22.0150	22.8765	32.4213
Sn 189.925	52.3881	49.1970	52.6565
Sr 216.596	9.6654	10.5379	10.0450
Ti 334.941	10.1073	10.0906	10.0131
Tl 190.794	24.0242	28.5665	25.8285
V 292.401	10.0837	10.4765	10.1237
Zn 206.200	20.7178	21.9439	20.7710

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	10.6579	ppb	0.2922	2.7	495.930
Al 308.215	195.188	ppb	0.8680	0.4	1497.03
As 188.980	20.0217	ppb	5.1911	25.9	5.2791
B 249.678	102.733	ppb	0.3262	0.3	1439.49
Ba 389.178	9.8397	ppb	0.1191	1.2	174.750
Be 313.042	4.1598	ppb	0.0055	0.1	6544.63
Ca 370.602	498.1	ppb	4.466	0.9	1847
Cd 226.502	5.0196	ppb	0.0473	0.9	159.322
Co 228.615	10.4996	ppb	0.1498	1.4	69.3140
Cr 267.716	10.0525	ppb	0.2053	2.0	265.788
Cu 324.754	21.4260	ppb	0.2060	1.0	1237.41
Fe 271.441	49.8212	ppb	3.2105	6.4	64.4805
K 766.491	1047.25	ppb	4.3793	0.4	135312
Mg 279.078	505.500	ppb	4.3808	0.9	1106.87
Mn 257.610	10.6162	ppb	0.0178	0.2	1484.83
Mo 202.032	10.3598	ppb	0.4393	4.2	62.0272
Na 330.237	1029.79	ppb	120.572	11.7	112.807
Ni 231.604	40.1837	ppb	1.6898	4.2	113.435
Pb 220.353	11.5624	ppb	2.3291	20.1	10.8958
Sb 206.834	21.2884	ppb	0.5483	2.6	23.5938
Se 196.026	25.7709	ppb	5.7755	22.4	14.4609
Sn 189.925	51.4139	ppb	1.9246	3.7	22.9716
Sr 216.596	10.0828	ppb	0.4375	4.3	72.5070
Ti 334.941	10.0703	ppb	0.0502	0.5	3446.11
Tl 190.794	26.1398	ppb	2.2871	8.7	8.4138
V 292.401	10.2280	ppb	0.2161	2.1	333.852
Zn 206.200	21.1442	ppb	0.6930	3.3	43.4862

X (Samp) **9/13/2014, 4:53:56 AM** **Rack 1, Tube 4**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Replicates Concentration		
Ag 328.068	10.5454	10.4795	10.2937
Al 308.215	194.045	193.777	192.947
As 188.980	20.0809	13.6862	15.9640

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Label	Replicates Concentration		
B 249.678	101.179	102.026	102.081
Ba 389.178	9.4216	10.1258	10.0487
Be 313.042	4.1000	4.1086	4.1027
Ca 370.602	492.2	493.7	493.0
Cd 226.502	5.1151	4.9944	5.1257
Co 228.615	10.0245	10.1221	9.9534
Cr 267.716	11.2306	11.6936	11.9498
Cu 324.754	20.9244	21.0029	20.9954
Fe 271.441	54.4569	48.4536	56.1291
K 766.491	1041.65	1039.72	1039.10
Mg 279.078	500.032	498.181	499.384
Mn 257.610	10.5843	10.6174	10.5072
Mo 202.032	9.4175	9.6641	10.3890
Na 330.237	1144.19	1268.69	1044.79
Ni 231.604	40.6349	41.7423	40.0157
Pb 220.353	10.0357	9.6440	14.1657
Sb 206.834	17.9794	19.0512	21.1121
Se 196.026	27.6565	19.0325	20.0620
Sn 189.925	54.0536	51.7791	52.1261
Sr 216.596	9.0660	9.5627	9.6419
Ti 334.941	10.0162	9.9812	9.9680
Tl 190.794	24.9912	24.4379	21.0240
V 292.401	9.9425	10.0735	10.0976
Zn 206.200	20.4312	20.7453	19.9988

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	10.4395	ppb	0.1305	1.3	485.367
Al 308.215	193.590	ppb	0.5725	0.3	1487.92
As 188.980	16.5771	ppb	3.2412	19.6	3.6784
B 249.678	101.762	ppb	0.5057	0.5	1426.14
Ba 389.178	9.8654	ppb	0.3863	3.9	175.278
Be 313.042	4.1038	ppb	0.0044	0.1	6413.26
Ca 370.602	493.0	ppb	0.7511	0.2	1828
Cd 226.502	5.0784	ppb	0.0729	1.4	161.033
Co 228.615	10.0333	ppb	0.0847	0.8	65.7607
Cr 267.716	11.6246	ppb	0.3645	3.1	306.232
Cu 324.754	20.9742	ppb	0.0433	0.2	1215.66
Fe 271.441	53.0132	ppb	4.0363	7.6	67.2779
K 766.491	1040.15	ppb	1.3297	0.1	134408
Mg 279.078	499.199	ppb	0.9391	0.2	1093.44
Mn 257.610	10.5696	ppb	0.0565	0.5	1478.37
Mo 202.032	9.8235	ppb	0.5050	5.1	59.0846
Na 330.237	1152.56	ppb	112.187	9.7	120.035
Ni 231.604	40.7976	ppb	0.8747	2.1	115.115
Pb 220.353	11.2818	ppb	2.5052	22.2	10.6262
Sb 206.834	19.3809	ppb	1.5921	8.2	22.0337
Se 196.026	22.2503	ppb	4.7101	21.2	13.2503
Sn 189.925	52.6529	ppb	1.2254	2.3	23.6357
Sr 216.596	9.4235	ppb	0.3121	3.3	67.7353
Ti 334.941	9.9885	ppb	0.0249	0.2	3417.39
Tl 190.794	23.4844	ppb	2.1486	9.1	6.9876
V 292.401	10.0379	ppb	0.0835	0.8	327.767
Zn 206.200	20.3918	ppb	0.3748	1.8	41.9666

F09122014.wvq. All Data Report 9/15/2014, 10:04:20 AM

Cont Calib Verif (CCV) **9/13/2014, 4:58:22 AM** **Rack 1, Tube 13**

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

Label	Replicates Concentration		
Ag 328.068	517.990	496.603	495.114
Al 308.215	5153.31	4917.09	4922.88
As 188.980	499.585	480.232	494.585
B 249.678	531.323	509.166	512.262
Ba 389.178	5104.55	4884.45	4890.53
Be 313.042	524.304	502.172	499.106
Ca 370.602	5144	4925	4931
Cd 226.502	515.746	494.284	493.616
Co 228.615	517.433	496.314	495.496
Cr 267.716	5158.09	4936.17	4943.19
Cu 324.754	5226.16	4996.23	4923.92
Fe 271.441	5233.94	4995.14	4959.61
K 766.491	10516.1	10140.6	10149.2
Mg 279.078	5158.05	4940.07	4946.89
Mn 257.610	5241.18	5014.72	5021.65
Mo 202.032	514.420	491.176	493.201
Na 330.237	8008.43	7350.04	7470.39
Ni 231.604	2586.42	2481.34	2484.50
Pb 220.353	519.914	499.870	497.918
Sb 206.834	993.325	943.448	960.781
Se 196.026	5225.75	4977.28	5005.13
Sn 189.925	5087.27	4869.15	4867.01
Sr 216.596	2551.95	2448.90	2448.33
Ti 334.941	507.380	485.920	486.192
Tl 190.794	5189.52	5000.20	4967.82
V 292.401	5149.14	4924.57	4922.30
Zn 206.200	2585.91	2473.29	2484.73

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Ag 328.068	503.236	ppb	12.7994	2.5	24352.0	100.64720
Al 308.215	4997.76	ppb	134.742	2.7	29031.7	99.95521
As 188.980	491.467	ppb	10.0465	2.0	224.421	98.29349
B 249.678	517.584	ppb	11.9986	2.3	7136.85	103.51671
Ba 389.178	4959.84	ppb	125.357	2.5	103824	99.19684
Be 313.042	508.528	ppb	13.7485	2.7	1190325	101.70552
Ca 370.602	5000	ppb	124.6	2.5	18577	99.99920
Cd 226.502	501.215	ppb	12.5885	2.5	14515.7	100.24309
Co 228.615	503.081	ppb	12.4359	2.5	3831.02	100.61622
Cr 267.716	5012.48	ppb	126.149	2.5	128904	100.24963
Cu 324.754	5048.77	ppb	157.823	3.1	243240	100.97543
Fe 271.441	5062.90	ppb	149.189	2.9	4474.44	101.25795
K 766.491	10268.7	ppb	214.335	2.1	1310614	102.68656
Mg 279.078	5015.00	ppb	123.928	2.5	10698.9	100.30000
Mn 257.610	5092.52	ppb	128.791	2.5	702863	101.85031
Mo 202.032	499.599	ppb	12.8755	2.6	2743.85	99.91982
Na 330.237	7609.62	ppb	350.581	4.6	482.863	101.46161
Ni 231.604	2517.42	ppb	59.7799	2.4	6891.32	100.69682
Pb 220.353	505.901	ppb	12.1748	2.4	489.300	101.18015
Sb 206.834	965.851	ppb	25.3219	2.6	827.972	96.58514
Se 196.026	5069.39	ppb	136.133	2.7	1749.53	101.38773
Sn 189.925	4941.14	ppb	126.550	2.6	2643.64	98.82286
Sr 216.596	2483.06	ppb	59.6628	2.4	17850.9	99.32243

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Ti 334.941	493.164	ppb	12.3123	2.5	172847	98.63277
Tl 190.794	5052.51	ppb	119.751	2.4	2712.81	101.05029
V 292.401	4998.67	ppb	130.314	2.6	160368	99.97342
Zn 206.200	2514.64	ppb	61.9842	2.5	5055.57	100.58566

Cont Calib Blank (CCB) **9/13/2014, 5:02:49 AM** **Rack 1, Tube 14**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Replicates Concentration		
Ag 328.068	0.6118	-0.0802u	0.3169
Al 308.215	-5.6999u	-6.2653u	-5.9476u
As 188.980	-2.4502u	1.5754	1.4822
B 249.678	6.9037	7.0880	5.1060
Ba 389.178	0.1907	1.0918	0.0799
Be 313.042	0.0324	0.0296	0.0230
Ca 370.602	0.2201	4.666	0.2377
Cd 226.502	0.0548	0.0336	-0.0326u
Co 228.615	0.1282	0.0557	0.1176
Cr 267.716	0.0059	0.1195	0.5195
Cu 324.754	0.7815	0.2559	0.4395
Fe 271.441	2.0313	9.8028	6.9973
K 766.491	-0.0864u	-0.3912u	0.0146
Mg 279.078	4.0393	-2.7035u	-3.6420u
Mn 257.610	0.3542	0.3522	0.2848
Mo 202.032	1.0211	0.0575	0.5824
Na 330.237	177.815	158.975	71.1825
Ni 231.604	0.9282	0.8582	1.3032
Pb 220.353	0.4138	3.6525	3.8779
Sb 206.834	6.4477	7.1261	2.4781
Se 196.026	0.5942	3.6923	1.2693
Sn 189.925	-1.3268u	3.7256	-4.3435u
Sr 216.596	0.0964	-0.2323u	-0.4177u
Ti 334.941	0.1754	0.1515	0.1542
Tl 190.794	4.7609	-1.5554u	1.6578
V 292.401	0.4075	0.7788	0.5174
Zn 206.200	1.3578	1.3495	-0.2023u

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Ag 328.068	0.2829	ppb	0.3472	122.8	-5.9694	0.28286
Al 308.215	-5.9710	ppb	0.2834	4.7	354.528	-5.97095
As 188.980	0.2025	ppb	2.2977	1134.9	-3.9321	0.20247
B 249.678	6.3659	ppb	1.0950	17.2	118.029	6.36591
Ba 389.178	0.4541	ppb	0.5550	122.2	-23.1040	0.45412
Be 313.042	0.0284	ppb	0.0048	17.1	-3141.96	0.02835
Ca 370.602	1.708	ppb	2.562	150.0	4.783	1.70809
Cd 226.502	0.0186	ppb	0.0456	244.9	14.6404	0.01862
Co 228.615	0.1005	ppb	0.0392	39.0	-10.1046	0.10051
Cr 267.716	0.2150	ppb	0.2698	125.5	12.8051	0.21498
Cu 324.754	0.4923	ppb	0.2668	54.2	230.020	0.49231
Fe 271.441	6.2771	ppb	3.9354	62.7	25.9324	6.27714
K 766.491	-0.1543	ppb	0.2113	136.9	1817.14	-0.15434
Mg 279.078	-0.7687	ppb	4.1902	545.1	28.9626	-0.76871
Mn 257.610	0.3304	ppb	0.0395	12.0	62.3366	0.33038
Mo 202.032	0.5536	ppb	0.4825	87.1	8.2298	0.55364

F09122014.wvq. All Data Report 9/15/2014, 10:04:20 AM

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Na 330.237	135.991	ppb	56.9105	41.8	60.4379	135.99066
Ni 231.604	1.0299	ppb	0.2393	23.2	6.3084	1.02987
Pb 220.353	2.6481	ppb	1.9382	73.2	2.3127	2.64808
Sb 206.834	5.3507	ppb	2.5107	46.9	10.5053	5.35066
Se 196.026	1.8519	ppb	1.6292	88.0	6.2316	1.85194
Sn 189.925	-0.6482	ppb	4.0771	629.0	-4.9315	-0.64824
Sr 216.596	-0.1845	ppb	0.2604	141.1	-0.4145	-0.18453
Ti 334.941	0.1604	ppb	0.0131	8.1	-29.7033	0.16037
Tl 190.794	1.6211	ppb	3.1583	194.8	-4.7671	1.62109
V 292.401	0.5679	ppb	0.1908	33.6	25.9561	0.56788
Zn 206.200	0.8350	ppb	0.8983	107.6	2.5893	0.83502

METALS BATCH WORKSHEET

Lab Name: TestAmerica Savannah Job No.: 680-104968-1

SDG No.: 680-104968-01

Batch Number: 347754 Batch Start Date: 09/08/14 07:53 Batch Analyst: West, Ryan

Batch Method: 3050B Batch End Date: 09/08/14 15:00

Lab Sample ID	Client Sample ID	Method Chain	Basis	CalcMsg	InitialAmount	FinalAmount	MS_Ag_LCS_SPK 00025	MS_LCS1_WK 00013	MS_LCS2_wk 00164
MB 680-347754/1		3050B, 6010C		CALC NOT SET TO RUN	1.05 g	100 mL			
LCS 680-347754/2		3050B, 6010C		CALC NOT SET TO RUN	1.12 g	100 mL	1 mL	1 mL	1 mL
680-104968-B-4	CV0965C-CS24	3050B, 6010C	T	CALC NOT SET TO RUN	1.00 g	100 mL			
680-104968-B-4 MS	CV0965C-CS24	3050B, 6010C	T	CALC NOT SET TO RUN	1.01 g	100 mL	1 mL	1 mL	1 mL
680-104968-B-4 MSD	CV0965C-CS24	3050B, 6010C	T	CALC NOT SET TO RUN	1.03 g	100 mL	1 mL	1 mL	1 mL
680-104968-B-1	CV0965C-CS6	3050B, 6010C	T	CALC NOT SET TO RUN	1.03 g	100 mL			
680-104968-B-2	CV0965C-CS12	3050B, 6010C	T	CALC NOT SET TO RUN	1.02 g	100 mL			
680-104968-B-3	CV0965C-CS18	3050B, 6010C	T	CALC NOT SET TO RUN	1.06 g	100 mL			
680-104968-B-5	CV0755A-CS6	3050B, 6010C	T	CALC NOT SET TO RUN	1.03 g	100 mL			
680-104968-B-6	CV0755A-CSD6	3050B, 6010C	T	CALC NOT SET TO RUN	1.14 g	100 mL			
680-104968-B-7	CV0755A-CS12	3050B, 6010C	T	CALC NOT SET TO RUN	1.05 g	100 mL			
680-104968-B-8	CV0755A-CS18	3050B, 6010C	T	CALC NOT SET TO RUN	1.11 g	100 mL			
680-104968-B-9	CV0755A-CS24	3050B, 6010C	T	CALC NOT SET TO RUN	1.02 g	100 mL			
680-104968-B-10	CV0755B-CS4	3050B, 6010C	T	CALC NOT SET TO RUN	1.19 g	100 mL			
680-104968-B-11	CV0755B-CS6	3050B, 6010C	T	CALC NOT SET TO RUN	1.19 g	100 mL			
680-104968-B-12	CV0755B-CS12	3050B, 6010C	T	CALC NOT SET TO RUN	1.11 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.: 680-104968-1

SDG No.: 680-104968-01

Batch Number: 347754 Batch Start Date: 09/08/14 07:53 Batch Analyst: West, Ryan

Batch Method: 3050B Batch End Date: 09/08/14 15:00

Batch Notes	
Analyst	CRW
Balance ID	ME 25
Blank Soil Lot Number	3304789
Hydrogen peroxide lot number	3715733
Lot # of hydrochloric acid	3719104
Lot # of Nitric Acid	3719079
Hood ID or number	FH8
Hot Block ID number	9
Nominal Amount Used	1 g
Oven, Bath or Block Temperature 1	97 Degrees C
Oven, Bath or Block Temperature 2	95 Degrees C
Pipette ID	ME4
Perform Calculation (0=No, 1=Yes)	0
ID number of the thermometer	ME16
Digestion Tube/Cup Lot #	3741076
Uncorrected Temperature	97 Celsius
Uncorrected Temperature 2	95 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.

Shipping and Receiving Documents

TestAmerica Ft. Lauderdale
6301 NW 5th Way
Suite 2850
Ft. Lauderdale, FL 33309
phone 954.809.5580 fax

Chain of Custody Record

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

TestAmerica Laboratories, Inc.

Client Contact	Project Manager: Russell Henderson	Site Contact: Russell Henderson	Date: 09/04/14	COC No:
OTIE	Tel/Fax: 678-355-5550	Lab Contact: Lisa Harvey	Carrier: FedEx	1 of 3 COCs
1220 Kennestone Circle Suite 106	Analysis Turnaround Time			Job No.
Marietta, GA 30066	Calendar (C) or Work Days (W) W			
(678) 355-5550 Phone	TAT if different from Below			
rhenderson@otie.com Email	☐ 2 weeks			SDG No.
Project Name: 35th Avenue	☒ 1 week			
Site: 2014078-1006	☐ 2 days			
P O #	☐ 1 day			Sampler: Ryan Stubbs

Sample Identification	Sample Date	Sample Time	Sample Type	Matrix	# of Cont.	Filtered Sample	PAHs	Arsenic, Lead, Aluminum, and Iron	Sample Specific Notes:
CV0965C-CS6	9/3/2014	1500	Composite	Soil	2	N	X	X	
CV0965C-CS12	9/3/2014	1510	Composite	Soil	2	N	X	X	
CV0965C-CS18	9/3/2014	1520	Composite	Soil	2	N	X	X	
CV0965C-CS24	9/3/2014	1530	Composite	Soil	2	N	X	X	MS/MSD
CV0755A-CS6	9/4/2014	0845	Composite	Soil	2	N	X	X	
CV0755A-CSD6	9/4/2014	0850	Composite	Soil	2	N	X	X	
CV0755A-CS12	9/4/2014	0855	Composite	Soil	2	N	X	X	
CV0755A-CS18	9/4/2014	0905	Composite	Soil	2	N	X	X	
CV0755A-CS24	9/4/2014	0915	Composite	Soil	2	N	X	X	
CV0755B-CS4	9/4/2014	0930	Composite	Soil	1	N		X	
CV0755B-CS6	9/4/2014	0940	Composite	Soil	2	N	X	X	
CV0755B-CS12	9/4/2014	0950	Composite	Soil	2	N	X	X	

680-104968 Chain of Custody

Preservation Used: 1= Ice, 2= HCl; 3= H2SO4; 4=HNO3; 5=NaOH; 6= Other 1

Possible Hazard Identification
☐ *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:

Relinquished by:	Company:	Date/Time:	Received by:	Company:	Date/Time:
[signature]	OTIE	09/04/14 @1500	[signature]	TA SAV	09/05/14 1005
Relinquished by:	Company:	Date/Time:	Received by:	Company:	Date/Time:
Relinquished by:	Company:	Date/Time:	Received by:	Company:	Date/Time: 1:50

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09/17/2014

Login Sample Receipt Checklist

Client: Oneida Total Integrated Enterprises LLC

Job Number: 680-104968-1
SDG Number: 680-104968-01

Login Number: 104968
List Number: 1
Creator: Banda, Christy S

List Source: TestAmerica Savannah

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

TestAmerica

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ANALYTICAL REPORT

TestAmerica Laboratories, Inc.
TestAmerica Savannah
5102 LaRoche Avenue
Savannah, GA 31404
Tel: (912)354-7858

TestAmerica Job ID: 680-104968-1
TestAmerica Sample Delivery Group: 680-104968-01
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:
9/17/2014 3:14:29 PM

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: 680-104968-1

Laboratory: TestAmerica Savannah

Narrative

CASE NARRATIVE
Client: Oneida Total Integrated Enterprises LLC
Project: 35th Avenue Superfund Site
Report Number: 680-104968-1

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.

RECEIPT

The samples were received on 09/05/2014; the samples arrived in good condition, properly preserved and on ice. The temperature of the coolers at receipt was 1.8 C.

SEMIVOLATILE ORGANIC COMPOUNDS (GC/MS) LOW LEVEL PAH

Samples CV0965C-CS6 (680-104968-1), CV0965C-CS12 (680-104968-2), CV0965C-CS18 (680-104968-3), CV0965C-CS24 (680-104968-4), CV0755A-CS6 (680-104968-5), CV0755A-CSD6 (680-104968-6), CV0755A-CS12 (680-104968-7), CV0755A-CS18 (680-104968-8), CV0755A-CS24 (680-104968-9), CV0755B-CS6 (680-104968-11) and CV0755B-CS12 (680-104968-12) were analyzed for Semivolatile Organic Compounds (GC/MS) Low level PAH in accordance with EPA SW846 Method 8270D.

Method(s) 8270D_LL_PAH: Manual integration was performed on the following sample(s): CV0755A-CS12 (680-104968-7), CV0755A-CS6 (680-104968-5), CV0755A-CSD6 (680-104968-6), CV0755B-CS18 (680-104968-14), CV0965C-CS12 (680-104968-2), CV0965C-CS18 (680-104968-3), CV0965C-CS24 (680-104968-4), CV0965C-CS6 (680-104968-1).

Method(s) 8270D_LL_PAH: Many samples were diluted due to the nature of the sample matrix. As such, surrogate recoveries are below the calibration range or are not reported, and elevated reporting limits (RLs) are provided.

Samples CV0965C-CS6 (680-104968-1)[20X], CV0965C-CS12 (680-104968-2)[20X], CV0965C-CS18 (680-104968-3)[10X], CV0965C-CS24 (680-104968-4)[10X], CV0755A-CS6 (680-104968-5)[20X], CV0755A-CSD6 (680-104968-6)[20X], CV0755A-CS12 (680-104968-7)[10X], CV0755A-CS18 (680-104968-8)[10X], CV0755A-CS24 (680-104968-9)[10X], CV0755B-CS6 (680-104968-11)[20X] and CV0755B-CS12 (680-104968-12)[20X] required dilution prior to analysis. The reporting limits have been adjusted accordingly.

METALS (ICP)

Samples CV0965C-CS6 (680-104968-1), CV0965C-CS12 (680-104968-2), CV0965C-CS18 (680-104968-3), CV0965C-CS24 (680-104968-4), CV0755A-CS6 (680-104968-5), CV0755A-CSD6 (680-104968-6), CV0755A-CS12 (680-104968-7), CV0755A-CS18 (680-104968-8), CV0755A-CS24 (680-104968-9), CV0755B-CS4 (680-104968-10), CV0755B-CS6 (680-104968-11) and CV0755B-CS12 (680-104968-12) were analyzed for Metals (ICP) in accordance with EPA SW-846 Method 6010C.

Iron and Lead recovery is outside criteria low for the MS and MSD of sample CV0965C-CS24 (680-104968-4) in batch 680-348494. Aluminum recovery is outside criteria high.

Refer to the QC report for details.

Samples CV0965C-CS18 (680-104968-3)[10X], CV0755A-CS6 (680-104968-5)[10X], CV0755A-CSD6 (680-104968-6)[10X] and CV0755B-CS12 (680-104968-12)[10X] required dilution prior to analysis. The reporting limits have been adjusted accordingly.

PERCENT SOLIDS/MOISTURE

Samples CV0965C-CS6 (680-104968-1), CV0965C-CS12 (680-104968-2), CV0965C-CS18 (680-104968-3), CV0965C-CS24 (680-104968-4), CV0755A-CS6 (680-104968-5), CV0755A-CSD6 (680-104968-6), CV0755A-CS12 (680-104968-7), CV0755A-CS18 (680-104968-8), CV0755A-CS24 (680-104968-9), CV0755B-CS4 (680-104968-10), CV0755B-CS6 (680-104968-11) and CV0755B-CS12 (680-104968-12) 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: 680-104968-1
SDG: 680-104968-01

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
680-104968-1	CV0965C-CS6	Solid	09/03/14 15:00	09/05/14 10:05
680-104968-2	CV0965C-CS12	Solid	09/03/14 15:10	09/05/14 10:05
680-104968-3	CV0965C-CS18	Solid	09/03/14 15:20	09/05/14 10:05
680-104968-4	CV0965C-CS24	Solid	09/03/14 15:30	09/05/14 10:05
680-104968-5	CV0755A-CS6	Solid	09/04/14 08:45	09/05/14 10:05
680-104968-6	CV0755A-CSD6	Solid	09/04/14 08:50	09/05/14 10:05
680-104968-7	CV0755A-CS12	Solid	09/04/14 08:55	09/05/14 10:05
680-104968-8	CV0755A-CS18	Solid	09/04/14 09:05	09/05/14 10:05
680-104968-9	CV0755A-CS24	Solid	09/04/14 09:15	09/05/14 10:05
680-104968-10	CV0755B-CS4	Solid	09/04/14 09:30	09/05/14 10:05
680-104968-11	CV0755B-CS6	Solid	09/04/14 09:40	09/05/14 10:05
680-104968-12	CV0755B-CS12	Solid	09/04/14 09:50	09/05/14 10:05

Method Summary

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

TestAmerica Job ID: 680-104968-1
SDG: 680-104968-01

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

Definitions/Glossary

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

TestAmerica Job ID: 680-104968-1
SDG: 680-104968-01

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	Surrogate or matrix spike recoveries were not obtained because the extract was diluted for analysis; also compounds analyzed at a dilution may be flagged with a D.
D	Sample results are obtained from a dilution; the surrogate or matrix spike recoveries reported are calculated from diluted samples.

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.
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: 680-104968-1
SDG: 680-104968-01

Client Sample ID: CV0965C-CS6
Date Collected: 09/03/14 15:00
Date Received: 09/05/14 10:05

Lab Sample ID: 680-104968-1
Matrix: Solid
Percent Solids: 91.6

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	72	ug/Kg	☼	09/06/14 12:38	09/09/14 13:44	20
Acenaphthylene	150	U	150	72	ug/Kg	☼	09/06/14 12:38	09/09/14 13:44	20
Anthracene	**120**	**J**	150	72	ug/Kg	☼	09/06/14 12:38	09/09/14 13:44	20
Benzo[a]anthracene	**660**		150	72	ug/Kg	☼	09/06/14 12:38	09/09/14 13:44	20
Benzo[a]pyrene	**580**		150	26	ug/Kg	☼	09/06/14 12:38	09/09/14 13:44	20
Benzo[b]fluoranthene	**1000**		150	72	ug/Kg	☼	09/06/14 12:38	09/09/14 13:44	20
Benzo[g,h,i]perylene	**330**		150	72	ug/Kg	☼	09/06/14 12:38	09/09/14 13:44	20
Benzo[k]fluoranthene	**370**		150	44	ug/Kg	☼	09/06/14 12:38	09/09/14 13:44	20
Chrysene	**940**		150	72	ug/Kg	☼	09/06/14 12:38	09/09/14 13:44	20
Dibenz(a,h)anthracene	**120**	**J**	150	72	ug/Kg	☼	09/06/14 12:38	09/09/14 13:44	20
Fluoranthene	**1600**		150	72	ug/Kg	☼	09/06/14 12:38	09/09/14 13:44	20
Fluorene	150	U	150	72	ug/Kg	☼	09/06/14 12:38	09/09/14 13:44	20
Indeno[1,2,3-cd]pyrene	**300**		150	72	ug/Kg	☼	09/06/14 12:38	09/09/14 13:44	20
1-Methylnaphthalene	**180**		150	68	ug/Kg	☼	09/06/14 12:38	09/09/14 13:44	20
2-Methylnaphthalene	**190**		150	72	ug/Kg	☼	09/06/14 12:38	09/09/14 13:44	20
Naphthalene	**170**		150	72	ug/Kg	☼	09/06/14 12:38	09/09/14 13:44	20
Phenanthrene	**1200**		150	52	ug/Kg	☼	09/06/14 12:38	09/09/14 13:44	20
Pyrene	**1100**		150	72	ug/Kg	☼	09/06/14 12:38	09/09/14 13:44	20

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl	*0*	*D*	*36 - 131*	*09/06/14 12:38*	*09/09/14 13:44*	*20*

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**14000**		21	11	mg/Kg	☼	09/08/14 07:53	09/11/14 02:53	1
Arsenic	**30**		2.1	0.63	mg/Kg	☼	09/08/14 07:53	09/11/14 02:53	1
Iron	**48000**		21	7.4	mg/Kg	☼	09/08/14 07:53	09/11/14 02:53	1
Lead	**440**		1.1	0.56	mg/Kg	☼	09/08/14 07:53	09/11/14 02:53	1

Client Sample Results

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

TestAmerica Job ID: 680-104968-1
SDG: 680-104968-01

Client Sample ID: CV0965C-CS12

Lab Sample ID: 680-104968-2

Date Collected: 09/03/14 15:10
Date Received: 09/05/14 10:05

Matrix: Solid
Percent Solids: 89.7

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	74	ug/Kg	☼	09/06/14 12:38	09/09/14 14:07	20
Acenaphthylene	150	U	150	74	ug/Kg	☼	09/06/14 12:38	09/09/14 14:07	20
Anthracene	150	U	150	74	ug/Kg	☼	09/06/14 12:38	09/09/14 14:07	20
Benzo[a]anthracene	**240**		150	74	ug/Kg	☼	09/06/14 12:38	09/09/14 14:07	20
Benzo[a]pyrene	**190**		150	27	ug/Kg	☼	09/06/14 12:38	09/09/14 14:07	20
Benzo[b]fluoranthene	**320**		150	74	ug/Kg	☼	09/06/14 12:38	09/09/14 14:07	20
Benzo[g,h,i]perylene	**120**	**J**	150	74	ug/Kg	☼	09/06/14 12:38	09/09/14 14:07	20
Benzo[k]fluoranthene	**120**	**J**	150	45	ug/Kg	☼	09/06/14 12:38	09/09/14 14:07	20
Chrysene	**360**		150	74	ug/Kg	☼	09/06/14 12:38	09/09/14 14:07	20
Dibenz(a,h)anthracene	150	U	150	74	ug/Kg	☼	09/06/14 12:38	09/09/14 14:07	20
Fluoranthene	**460**		150	74	ug/Kg	☼	09/06/14 12:38	09/09/14 14:07	20
Fluorene	150	U	150	74	ug/Kg	☼	09/06/14 12:38	09/09/14 14:07	20
Indeno[1,2,3-cd]pyrene	**92**	**J**	150	74	ug/Kg	☼	09/06/14 12:38	09/09/14 14:07	20
1-Methylnaphthalene	**180**		150	69	ug/Kg	☼	09/06/14 12:38	09/09/14 14:07	20
2-Methylnaphthalene	**180**		150	74	ug/Kg	☼	09/06/14 12:38	09/09/14 14:07	20
Naphthalene	**130**	**J**	150	74	ug/Kg	☼	09/06/14 12:38	09/09/14 14:07	20
Phenanthrene	**340**		150	54	ug/Kg	☼	09/06/14 12:38	09/09/14 14:07	20
Pyrene	**360**		150	74	ug/Kg	☼	09/06/14 12:38	09/09/14 14:07	20

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl	*0*	*D*	*36 - 131*	*09/06/14 12:38*	*09/09/14 14:07*	*20*

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**11000**		22	11	mg/Kg	☼	09/08/14 07:53	09/11/14 02:57	1
Arsenic	**29**		2.2	0.64	mg/Kg	☼	09/08/14 07:53	09/11/14 02:57	1
Iron	**44000**		22	7.7	mg/Kg	☼	09/08/14 07:53	09/11/14 02:57	1
Lead	**410**		1.1	0.58	mg/Kg	☼	09/08/14 07:53	09/11/14 02:57	1

Client Sample Results

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

TestAmerica Job ID: 680-104968-1
SDG: 680-104968-01

Client Sample ID: CV0965C-CS18

Lab Sample ID: 680-104968-3

Date Collected: 09/03/14 15:20
Date Received: 09/05/14 10:05

Matrix: Solid
Percent Solids: 89.0

Method: 8270D_LL_PAH - Semivolatile Organic Compounds (GC/MS) Low level PAH

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	75	U	75	37	ug/Kg	☼	09/06/14 12:38	09/09/14 14:30	10
Acenaphthylene	75	U	75	37	ug/Kg	☼	09/06/14 12:38	09/09/14 14:30	10
Anthracene	75	U	75	37	ug/Kg	☼	09/06/14 12:38	09/09/14 14:30	10
Benzo[a]anthracene	**94**		75	37	ug/Kg	☼	09/06/14 12:38	09/09/14 14:30	10
Benzo[a]pyrene	**88**		75	13	ug/Kg	☼	09/06/14 12:38	09/09/14 14:30	10
Benzo[b]fluoranthene	**180**		75	37	ug/Kg	☼	09/06/14 12:38	09/09/14 14:30	10
Benzo[g,h,i]perylene	**63**	**J**	75	37	ug/Kg	☼	09/06/14 12:38	09/09/14 14:30	10
Benzo[k]fluoranthene	**52**	**J**	75	22	ug/Kg	☼	09/06/14 12:38	09/09/14 14:30	10
Chrysene	**130**		75	37	ug/Kg	☼	09/06/14 12:38	09/09/14 14:30	10
Dibenz(a,h)anthracene	75	U	75	37	ug/Kg	☼	09/06/14 12:38	09/09/14 14:30	10
Fluoranthene	**200**		75	37	ug/Kg	☼	09/06/14 12:38	09/09/14 14:30	10
Fluorene	75	U	75	37	ug/Kg	☼	09/06/14 12:38	09/09/14 14:30	10
Indeno[1,2,3-cd]pyrene	**55**	**J**	75	37	ug/Kg	☼	09/06/14 12:38	09/09/14 14:30	10
1-Methylnaphthalene	75	U	75	35	ug/Kg	☼	09/06/14 12:38	09/09/14 14:30	10
2-Methylnaphthalene	75	U	75	37	ug/Kg	☼	09/06/14 12:38	09/09/14 14:30	10
Naphthalene	75	U	75	37	ug/Kg	☼	09/06/14 12:38	09/09/14 14:30	10
Phenanthrene	**140**		75	27	ug/Kg	☼	09/06/14 12:38	09/09/14 14:30	10
Pyrene	**160**		75	37	ug/Kg	☼	09/06/14 12:38	09/09/14 14:30	10

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl	*0*	*D*	*36 - 131*	*09/06/14 12:38*	*09/09/14 14:30*	*10*

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**11000**		21	11	mg/Kg	☼	09/08/14 07:53	09/11/14 03:02	1
Arsenic	**22**		2.1	0.63	mg/Kg	☼	09/08/14 07:53	09/11/14 03:02	1
Iron	**50000**		21	7.4	mg/Kg	☼	09/08/14 07:53	09/11/14 03:02	1
Lead	**220**		11	5.6	mg/Kg	☼	09/08/14 07:53	09/12/14 12:36	10

Client Sample Results

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

TestAmerica Job ID: 680-104968-1
SDG: 680-104968-01

Client Sample ID: CV0965C-CS24

Lab Sample ID: 680-104968-4

Date Collected: 09/03/14 15:30
Date Received: 09/05/14 10:05

Matrix: Solid
Percent Solids: 88.3

Method: 8270D_LL_PAH - Semivolatile Organic Compounds (GC/MS) Low level PAH

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	76	U	76	37	ug/Kg	☼	09/06/14 12:38	09/09/14 14:53	10
Acenaphthylene	76	U	76	37	ug/Kg	☼	09/06/14 12:38	09/09/14 14:53	10
Anthracene	76	U	76	37	ug/Kg	☼	09/06/14 12:38	09/09/14 14:53	10
Benzo[a]anthracene	76	U	76	37	ug/Kg	☼	09/06/14 12:38	09/09/14 14:53	10
Benzo[a]pyrene	**33**	**J**	76	14	ug/Kg	☼	09/06/14 12:38	09/09/14 14:53	10
Benzo[b]fluoranthene	**51**	**J**	76	37	ug/Kg	☼	09/06/14 12:38	09/09/14 14:53	10
Benzo[g,h,i]perylene	76	U	76	37	ug/Kg	☼	09/06/14 12:38	09/09/14 14:53	10
Benzo[k]fluoranthene	**23**	**J**	76	23	ug/Kg	☼	09/06/14 12:38	09/09/14 14:53	10
Chrysene	**50**	**J**	76	37	ug/Kg	☼	09/06/14 12:38	09/09/14 14:53	10
Dibenz(a,h)anthracene	76	U	76	37	ug/Kg	☼	09/06/14 12:38	09/09/14 14:53	10
Fluoranthene	**66**	**J**	76	37	ug/Kg	☼	09/06/14 12:38	09/09/14 14:53	10
Fluorene	76	U	76	37	ug/Kg	☼	09/06/14 12:38	09/09/14 14:53	10
Indeno[1,2,3-cd]pyrene	76	U	76	37	ug/Kg	☼	09/06/14 12:38	09/09/14 14:53	10
1-Methylnaphthalene	76	U	76	35	ug/Kg	☼	09/06/14 12:38	09/09/14 14:53	10
2-Methylnaphthalene	76	U	76	37	ug/Kg	☼	09/06/14 12:38	09/09/14 14:53	10
Naphthalene	76	U	76	37	ug/Kg	☼	09/06/14 12:38	09/09/14 14:53	10
Phenanthrene	**39**	**J**	76	27	ug/Kg	☼	09/06/14 12:38	09/09/14 14:53	10
Pyrene	**50**	**J**	76	37	ug/Kg	☼	09/06/14 12:38	09/09/14 14:53	10

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl	*0*	*D*	*36 - 131*	*09/06/14 12:38*	*09/09/14 14:53*	*10*

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**14000**		23	11	mg/Kg	☼	09/08/14 07:53	09/11/14 02:21	1
Arsenic	**20**		2.3	0.67	mg/Kg	☼	09/08/14 07:53	09/11/14 02:21	1
Iron	**65000**		23	7.9	mg/Kg	☼	09/08/14 07:53	09/11/14 02:21	1
Lead	**65**		1.1	0.60	mg/Kg	☼	09/08/14 07:53	09/11/14 02:21	1

Client Sample Results

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

TestAmerica Job ID: 680-104968-1
SDG: 680-104968-01

Client Sample ID: CV0755A-CS6

Lab Sample ID: 680-104968-5

Date Collected: 09/04/14 08:45
Date Received: 09/05/14 10:05

Matrix: Solid
Percent Solids: 90.7

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	☼	09/06/14 12:38	09/09/14 15:17	20
Acenaphthylene	150	U	150	73	ug/Kg	☼	09/06/14 12:38	09/09/14 15:17	20
Anthracene	150	U	150	73	ug/Kg	☼	09/06/14 12:38	09/09/14 15:17	20
Benzo[a]anthracene	**89**	**J**	150	73	ug/Kg	☼	09/06/14 12:38	09/09/14 15:17	20
Benzo[a]pyrene	**77**	**J**	150	26	ug/Kg	☼	09/06/14 12:38	09/09/14 15:17	20
Benzo[b]fluoranthene	**160**		150	73	ug/Kg	☼	09/06/14 12:38	09/09/14 15:17	20
Benzo[g,h,i]perylene	150	U	150	73	ug/Kg	☼	09/06/14 12:38	09/09/14 15:17	20
Benzo[k]fluoranthene	**48**	**J**	150	44	ug/Kg	☼	09/06/14 12:38	09/09/14 15:17	20
Chrysene	**170**		150	73	ug/Kg	☼	09/06/14 12:38	09/09/14 15:17	20
Dibenz(a,h)anthracene	150	U	150	73	ug/Kg	☼	09/06/14 12:38	09/09/14 15:17	20
Fluoranthene	**140**	**J**	150	73	ug/Kg	☼	09/06/14 12:38	09/09/14 15:17	20
Fluorene	150	U	150	73	ug/Kg	☼	09/06/14 12:38	09/09/14 15:17	20
Indeno[1,2,3-cd]pyrene	150	U	150	73	ug/Kg	☼	09/06/14 12:38	09/09/14 15:17	20
1-Methylnaphthalene	150	U	150	68	ug/Kg	☼	09/06/14 12:38	09/09/14 15:17	20
2-Methylnaphthalene	150	U	150	73	ug/Kg	☼	09/06/14 12:38	09/09/14 15:17	20
Naphthalene	150	U	150	73	ug/Kg	☼	09/06/14 12:38	09/09/14 15:17	20
Phenanthrene	**130**	**J**	150	53	ug/Kg	☼	09/06/14 12:38	09/09/14 15:17	20
Pyrene	**110**	**J**	150	73	ug/Kg	☼	09/06/14 12:38	09/09/14 15:17	20

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl	*0*	*D*	*36 - 131*	*09/06/14 12:38*	*09/09/14 15:17*	*20*

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**16000**		21	11	mg/Kg	☼	09/08/14 07:53	09/11/14 03:06	1
Arsenic	**42**		2.1	0.63	mg/Kg	☼	09/08/14 07:53	09/11/14 03:06	1
Iron	**65000**		21	7.5	mg/Kg	☼	09/08/14 07:53	09/11/14 03:06	1
Lead	**3600**		11	5.7	mg/Kg	☼	09/08/14 07:53	09/12/14 12:41	10

Client Sample Results

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

TestAmerica Job ID: 680-104968-1
SDG: 680-104968-01

Client Sample ID: CV0755A-CSD6

Lab Sample ID: 680-104968-6

Date Collected: 09/04/14 08:50
Date Received: 09/05/14 10:05

Matrix: Solid
Percent Solids: 90.1

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	☼	09/06/14 12:38	09/09/14 15:40	20
Acenaphthylene	150	U	150	73	ug/Kg	☼	09/06/14 12:38	09/09/14 15:40	20
Anthracene	150	U	150	73	ug/Kg	☼	09/06/14 12:38	09/09/14 15:40	20
Benzo[a]anthracene	**150**		150	73	ug/Kg	☼	09/06/14 12:38	09/09/14 15:40	20
Benzo[a]pyrene	**140**	**J**	150	27	ug/Kg	☼	09/06/14 12:38	09/09/14 15:40	20
Benzo[b]fluoranthene	**310**		150	73	ug/Kg	☼	09/06/14 12:38	09/09/14 15:40	20
Benzo[g,h,i]perylene	**86**	**J**	150	73	ug/Kg	☼	09/06/14 12:38	09/09/14 15:40	20
Benzo[k]fluoranthene	**120**	**J**	150	44	ug/Kg	☼	09/06/14 12:38	09/09/14 15:40	20
Chrysene	**330**		150	73	ug/Kg	☼	09/06/14 12:38	09/09/14 15:40	20
Dibenz(a,h)anthracene	150	U	150	73	ug/Kg	☼	09/06/14 12:38	09/09/14 15:40	20
Fluoranthene	**530**		150	73	ug/Kg	☼	09/06/14 12:38	09/09/14 15:40	20
Fluorene	150	U	150	73	ug/Kg	☼	09/06/14 12:38	09/09/14 15:40	20
Indeno[1,2,3-cd]pyrene	150	U	150	73	ug/Kg	☼	09/06/14 12:38	09/09/14 15:40	20
1-Methylnaphthalene	**110**	**J**	150	69	ug/Kg	☼	09/06/14 12:38	09/09/14 15:40	20
2-Methylnaphthalene	**110**	**J**	150	73	ug/Kg	☼	09/06/14 12:38	09/09/14 15:40	20
Naphthalene	150	U	150	73	ug/Kg	☼	09/06/14 12:38	09/09/14 15:40	20
Phenanthrene	**430**		150	53	ug/Kg	☼	09/06/14 12:38	09/09/14 15:40	20
Pyrene	**340**		150	73	ug/Kg	☼	09/06/14 12:38	09/09/14 15:40	20

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl	*0*	*D*	*36 - 131*	*09/06/14 12:38*	*09/09/14 15:40*	*20*

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**16000**		19	9.7	mg/Kg	☼	09/08/14 07:53	09/11/14 03:11	1
Arsenic	**39**		1.9	0.57	mg/Kg	☼	09/08/14 07:53	09/11/14 03:11	1
Iron	**67000**		19	6.8	mg/Kg	☼	09/08/14 07:53	09/11/14 03:11	1
Lead	**4200**		9.7	5.2	mg/Kg	☼	09/08/14 07:53	09/12/14 12:45	10

Client Sample Results

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

TestAmerica Job ID: 680-104968-1
SDG: 680-104968-01

Client Sample ID: CV0755A-CS12

Lab Sample ID: 680-104968-7

Date Collected: 09/04/14 08:55
Date Received: 09/05/14 10:05

Matrix: Solid
Percent Solids: 93.9

Method: 8270D_LL_PAH - Semivolatile Organic Compounds (GC/MS) Low level PAH

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	71	U	71	35	ug/Kg	☼	09/06/14 12:38	09/09/14 16:03	10
Acenaphthylene	71	U	71	35	ug/Kg	☼	09/06/14 12:38	09/09/14 16:03	10
Anthracene	71	U	71	35	ug/Kg	☼	09/06/14 12:38	09/09/14 16:03	10
Benzo[a]anthracene	71	U	71	35	ug/Kg	☼	09/06/14 12:38	09/09/14 16:03	10
Benzo[a]pyrene	**24**	**J**	71	13	ug/Kg	☼	09/06/14 12:38	09/09/14 16:03	10
Benzo[b]fluoranthene	**48**	**J**	71	35	ug/Kg	☼	09/06/14 12:38	09/09/14 16:03	10
Benzo[g,h,i]perylene	71	U	71	35	ug/Kg	☼	09/06/14 12:38	09/09/14 16:03	10
Benzo[k]fluoranthene	71	U	71	21	ug/Kg	☼	09/06/14 12:38	09/09/14 16:03	10
Chrysene	**55**	**J**	71	35	ug/Kg	☼	09/06/14 12:38	09/09/14 16:03	10
Dibenz(a,h)anthracene	71	U	71	35	ug/Kg	☼	09/06/14 12:38	09/09/14 16:03	10
Fluoranthene	**53**	**J**	71	35	ug/Kg	☼	09/06/14 12:38	09/09/14 16:03	10
Fluorene	71	U	71	35	ug/Kg	☼	09/06/14 12:38	09/09/14 16:03	10
Indeno[1,2,3-cd]pyrene	71	U	71	35	ug/Kg	☼	09/06/14 12:38	09/09/14 16:03	10
1-Methylnaphthalene	71	U	71	33	ug/Kg	☼	09/06/14 12:38	09/09/14 16:03	10
2-Methylnaphthalene	71	U	71	35	ug/Kg	☼	09/06/14 12:38	09/09/14 16:03	10
Naphthalene	71	U	71	35	ug/Kg	☼	09/06/14 12:38	09/09/14 16:03	10
Phenanthrene	**51**	**J**	71	26	ug/Kg	☼	09/06/14 12:38	09/09/14 16:03	10
Pyrene	**47**	**J**	71	35	ug/Kg	☼	09/06/14 12:38	09/09/14 16:03	10

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl	*0*	*D*	*36 - 131*	*09/06/14 12:38*	*09/09/14 16:03*	*10*

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**15000**		20	10	mg/Kg	☼	09/08/14 07:53	09/11/14 03:15	1
Arsenic	**28**		2.0	0.60	mg/Kg	☼	09/08/14 07:53	09/11/14 03:15	1
Iron	**71000**		20	7.1	mg/Kg	☼	09/08/14 07:53	09/11/14 03:15	1
Lead	**130**		1.0	0.54	mg/Kg	☼	09/08/14 07:53	09/11/14 03:15	1

Client Sample Results

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

TestAmerica Job ID: 680-104968-1
SDG: 680-104968-01

Client Sample ID: CV0755A-CS18

Lab Sample ID: 680-104968-8

Date Collected: 09/04/14 09:05
Date Received: 09/05/14 10:05

Matrix: Solid
Percent Solids: 80.1

Method: 8270D_LL_PAH - Semivolatile Organic Compounds (GC/MS) Low level PAH

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	84	U	84	41	ug/Kg	☼	09/06/14 12:38	09/09/14 16:26	10
Acenaphthylene	84	U	84	41	ug/Kg	☼	09/06/14 12:38	09/09/14 16:26	10
Anthracene	84	U	84	41	ug/Kg	☼	09/06/14 12:38	09/09/14 16:26	10
Benzo[a]anthracene	84	U	84	41	ug/Kg	☼	09/06/14 12:38	09/09/14 16:26	10
Benzo[a]pyrene	84	U	84	15	ug/Kg	☼	09/06/14 12:38	09/09/14 16:26	10
Benzo[b]fluoranthene	84	U	84	41	ug/Kg	☼	09/06/14 12:38	09/09/14 16:26	10
Benzo[g,h,i]perylene	84	U	84	41	ug/Kg	☼	09/06/14 12:38	09/09/14 16:26	10
Benzo[k]fluoranthene	84	U	84	25	ug/Kg	☼	09/06/14 12:38	09/09/14 16:26	10
Chrysene	84	U	84	41	ug/Kg	☼	09/06/14 12:38	09/09/14 16:26	10
Dibenz(a,h)anthracene	84	U	84	41	ug/Kg	☼	09/06/14 12:38	09/09/14 16:26	10
Fluoranthene	84	U	84	41	ug/Kg	☼	09/06/14 12:38	09/09/14 16:26	10
Fluorene	84	U	84	41	ug/Kg	☼	09/06/14 12:38	09/09/14 16:26	10
Indeno[1,2,3-cd]pyrene	84	U	84	41	ug/Kg	☼	09/06/14 12:38	09/09/14 16:26	10
1-Methylnaphthalene	84	U	84	39	ug/Kg	☼	09/06/14 12:38	09/09/14 16:26	10
2-Methylnaphthalene	84	U	84	41	ug/Kg	☼	09/06/14 12:38	09/09/14 16:26	10
Naphthalene	84	U	84	41	ug/Kg	☼	09/06/14 12:38	09/09/14 16:26	10
Phenanthrene	84	U	84	30	ug/Kg	☼	09/06/14 12:38	09/09/14 16:26	10
Pyrene	84	U	84	41	ug/Kg	☼	09/06/14 12:38	09/09/14 16:26	10

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl	*0*	*D*	*36 - 131*	*09/06/14 12:38*	*09/09/14 16:26*	*10*

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**22000**		23	11	mg/Kg	☼	09/08/14 07:53	09/11/14 03:29	1
Arsenic	**28**		2.3	0.66	mg/Kg	☼	09/08/14 07:53	09/11/14 03:29	1
Iron	**86000**		23	7.9	mg/Kg	☼	09/08/14 07:53	09/11/14 03:29	1
Lead	**79**		1.1	0.60	mg/Kg	☼	09/08/14 07:53	09/11/14 03:29	1

Client Sample Results

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

TestAmerica Job ID: 680-104968-1
SDG: 680-104968-01

Client Sample ID: CV0755A-CS24

Lab Sample ID: 680-104968-9

Date Collected: 09/04/14 09:15
Date Received: 09/05/14 10:05

Matrix: Solid
Percent Solids: 88.4

Method: 8270D_LL_PAH - Semivolatile Organic Compounds (GC/MS) Low level PAH

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	76	U	76	37	ug/Kg	☼	09/06/14 12:38	09/09/14 16:49	10
Acenaphthylene	76	U	76	37	ug/Kg	☼	09/06/14 12:38	09/09/14 16:49	10
Anthracene	76	U	76	37	ug/Kg	☼	09/06/14 12:38	09/09/14 16:49	10
Benzo[a]anthracene	76	U	76	37	ug/Kg	☼	09/06/14 12:38	09/09/14 16:49	10
Benzo[a]pyrene	76	U	76	14	ug/Kg	☼	09/06/14 12:38	09/09/14 16:49	10
Benzo[b]fluoranthene	76	U	76	37	ug/Kg	☼	09/06/14 12:38	09/09/14 16:49	10
Benzo[g,h,i]perylene	76	U	76	37	ug/Kg	☼	09/06/14 12:38	09/09/14 16:49	10
Benzo[k]fluoranthene	76	U	76	23	ug/Kg	☼	09/06/14 12:38	09/09/14 16:49	10
Chrysene	76	U	76	37	ug/Kg	☼	09/06/14 12:38	09/09/14 16:49	10
Dibenz(a,h)anthracene	76	U	76	37	ug/Kg	☼	09/06/14 12:38	09/09/14 16:49	10
Fluoranthene	76	U	76	37	ug/Kg	☼	09/06/14 12:38	09/09/14 16:49	10
Fluorene	76	U	76	37	ug/Kg	☼	09/06/14 12:38	09/09/14 16:49	10
Indeno[1,2,3-cd]pyrene	76	U	76	37	ug/Kg	☼	09/06/14 12:38	09/09/14 16:49	10
1-Methylnaphthalene	76	U	76	35	ug/Kg	☼	09/06/14 12:38	09/09/14 16:49	10
2-Methylnaphthalene	76	U	76	37	ug/Kg	☼	09/06/14 12:38	09/09/14 16:49	10
Naphthalene	76	U	76	37	ug/Kg	☼	09/06/14 12:38	09/09/14 16:49	10
Phenanthrene	76	U	76	27	ug/Kg	☼	09/06/14 12:38	09/09/14 16:49	10
Pyrene	76	U	76	37	ug/Kg	☼	09/06/14 12:38	09/09/14 16:49	10

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl	*0*	*D*	*36 - 131*	*09/06/14 12:38*	*09/09/14 16:49*	*10*

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**18000**		22	11	mg/Kg	☼	09/08/14 07:53	09/11/14 03:33	1
Arsenic	**23**		2.2	0.65	mg/Kg	☼	09/08/14 07:53	09/11/14 03:33	1
Iron	**75000**		22	7.8	mg/Kg	☼	09/08/14 07:53	09/11/14 03:33	1
Lead	**84**		1.1	0.59	mg/Kg	☼	09/08/14 07:53	09/11/14 03:33	1

Client Sample Results

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

TestAmerica Job ID: 680-104968-1
SDG: 680-104968-01

Client Sample ID: CV0755B-CS4

Lab Sample ID: 680-104968-10

Date Collected: 09/04/14 09:30
Date Received: 09/05/14 10:05

Matrix: Solid
Percent Solids: 88.6

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	13000		19	9.5	mg/Kg	☼	09/08/14 07:53	09/11/14 03:38	1
Arsenic	27		1.9	0.56	mg/Kg	☼	09/08/14 07:53	09/11/14 03:38	1
Iron	42000		19	6.6	mg/Kg	☼	09/08/14 07:53	09/11/14 03:38	1
Lead	340		0.95	0.50	mg/Kg	☼	09/08/14 07:53	09/11/14 03:38	1

Client Sample Results

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

TestAmerica Job ID: 680-104968-1
SDG: 680-104968-01

Client Sample ID: CV0755B-CS6

Lab Sample ID: 680-104968-11

Date Collected: 09/04/14 09:40
Date Received: 09/05/14 10:05

Matrix: Solid
Percent Solids: 89.3

Method: 8270D_LL_PAH - Semivolatile Organic Compounds (GC/MS) Low level PAH

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	170		150	74	ug/Kg	☼	09/06/14 12:38	09/09/14 17:12	20
Acenaphthylene	150	U	150	74	ug/Kg	☼	09/06/14 12:38	09/09/14 17:12	20
Anthracene	910		150	74	ug/Kg	☼	09/06/14 12:38	09/09/14 17:12	20
Benzo[a]anthracene	4900		150	74	ug/Kg	☼	09/06/14 12:38	09/09/14 17:12	20
Benzo[a]pyrene	4300		150	27	ug/Kg	☼	09/06/14 12:38	09/09/14 17:12	20
Benzo[b]fluoranthene	6600		150	74	ug/Kg	☼	09/06/14 12:38	09/09/14 17:12	20
Benzo[g,h,i]perylene	1700		150	74	ug/Kg	☼	09/06/14 12:38	09/09/14 17:12	20
Benzo[k]fluoranthene	3200		150	45	ug/Kg	☼	09/06/14 12:38	09/09/14 17:12	20
Chrysene	5800		150	74	ug/Kg	☼	09/06/14 12:38	09/09/14 17:12	20
Dibenz(a,h)anthracene	620		150	74	ug/Kg	☼	09/06/14 12:38	09/09/14 17:12	20
Fluoranthene	12000		150	74	ug/Kg	☼	09/06/14 12:38	09/09/14 17:12	20
Fluorene	250		150	74	ug/Kg	☼	09/06/14 12:38	09/09/14 17:12	20
Indeno[1,2,3-cd]pyrene	1500		150	74	ug/Kg	☼	09/06/14 12:38	09/09/14 17:12	20
1-Methylnaphthalene	180		150	69	ug/Kg	☼	09/06/14 12:38	09/09/14 17:12	20
2-Methylnaphthalene	190		150	74	ug/Kg	☼	09/06/14 12:38	09/09/14 17:12	20
Naphthalene	150		150	74	ug/Kg	☼	09/06/14 12:38	09/09/14 17:12	20
Phenanthrene	6000		150	54	ug/Kg	☼	09/06/14 12:38	09/09/14 17:12	20
Pyrene	8400		150	74	ug/Kg	☼	09/06/14 12:38	09/09/14 17:12	20

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl	*0*	*D*	*36 - 131*	*09/06/14 12:38*	*09/09/14 17:12*	*20*

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	13000		19	9.4	mg/Kg	☼	09/08/14 07:53	09/11/14 03:42	1
Arsenic	28		1.9	0.56	mg/Kg	☼	09/08/14 07:53	09/11/14 03:42	1
Iron	47000		19	6.6	mg/Kg	☼	09/08/14 07:53	09/11/14 03:42	1
Lead	410		0.94	0.50	mg/Kg	☼	09/08/14 07:53	09/11/14 03:42	1

Client Sample Results

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

TestAmerica Job ID: 680-104968-1
SDG: 680-104968-01

Client Sample ID: CV0755B-CS12
Date Collected: 09/04/14 09:50
Date Received: 09/05/14 10:05

Lab Sample ID: 680-104968-12
Matrix: Solid
Percent Solids: 91.9

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	72	ug/Kg	☼	09/06/14 12:38	09/09/14 17:36	20
Acenaphthylene	150	U	150	72	ug/Kg	☼	09/06/14 12:38	09/09/14 17:36	20
Anthracene	150	U	150	72	ug/Kg	☼	09/06/14 12:38	09/09/14 17:36	20
Benzo[a]anthracene	150	U	150	72	ug/Kg	☼	09/06/14 12:38	09/09/14 17:36	20
Benzo[a]pyrene	**48**	**J**	150	26	ug/Kg	☼	09/06/14 12:38	09/09/14 17:36	20
Benzo[b]fluoranthene	150	U	150	72	ug/Kg	☼	09/06/14 12:38	09/09/14 17:36	20
Benzo[g,h,i]perylene	150	U	150	72	ug/Kg	☼	09/06/14 12:38	09/09/14 17:36	20
Benzo[k]fluoranthene	150	U	150	44	ug/Kg	☼	09/06/14 12:38	09/09/14 17:36	20
Chrysene	**73**	**J**	150	72	ug/Kg	☼	09/06/14 12:38	09/09/14 17:36	20
Dibenz(a,h)anthracene	150	U	150	72	ug/Kg	☼	09/06/14 12:38	09/09/14 17:36	20
Fluoranthene	150	U	150	72	ug/Kg	☼	09/06/14 12:38	09/09/14 17:36	20
Fluorene	150	U	150	72	ug/Kg	☼	09/06/14 12:38	09/09/14 17:36	20
Indeno[1,2,3-cd]pyrene	150	U	150	72	ug/Kg	☼	09/06/14 12:38	09/09/14 17:36	20
1-Methylnaphthalene	150	U	150	67	ug/Kg	☼	09/06/14 12:38	09/09/14 17:36	20
2-Methylnaphthalene	150	U	150	72	ug/Kg	☼	09/06/14 12:38	09/09/14 17:36	20
Naphthalene	150	U	150	72	ug/Kg	☼	09/06/14 12:38	09/09/14 17:36	20
Phenanthrene	**74**	**J**	150	52	ug/Kg	☼	09/06/14 12:38	09/09/14 17:36	20
Pyrene	150	U	150	72	ug/Kg	☼	09/06/14 12:38	09/09/14 17:36	20

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl	*0*	*D*	*36 - 131*	*09/06/14 12:38*	*09/09/14 17:36*	*20*

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**15000**		20	9.8	mg/Kg	☼	09/08/14 07:53	09/11/14 03:47	1
Arsenic	**29**		2.0	0.58	mg/Kg	☼	09/08/14 07:53	09/11/14 03:47	1
Iron	**76000**		20	6.9	mg/Kg	☼	09/08/14 07:53	09/11/14 03:47	1
Lead	**140**		9.8	5.2	mg/Kg	☼	09/08/14 07:53	09/12/14 12:50	10

QC Sample Results

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

TestAmerica Job ID: 680-104968-1
SDG: 680-104968-01

Method: 8270D_LL_PAH - Semivolatile Organic Compounds (GC/MS) Low level PAH

Lab Sample ID: MB 680-347686/21-A
Matrix: Solid
Analysis Batch: 347967

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 347686

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	6.7	U	6.7	3.3	ug/Kg		09/06/14 12:38	09/09/14 11:02	1
Acenaphthylene	6.7	U	6.7	3.3	ug/Kg		09/06/14 12:38	09/09/14 11:02	1
Anthracene	6.7	U	6.7	3.3	ug/Kg		09/06/14 12:38	09/09/14 11:02	1
Benzo[a]anthracene	6.7	U	6.7	3.3	ug/Kg		09/06/14 12:38	09/09/14 11:02	1
Benzo[a]pyrene	6.7	U	6.7	1.2	ug/Kg		09/06/14 12:38	09/09/14 11:02	1
Benzo[b]fluoranthene	6.7	U	6.7	3.3	ug/Kg		09/06/14 12:38	09/09/14 11:02	1
Benzo[g,h,i]perylene	6.7	U	6.7	3.3	ug/Kg		09/06/14 12:38	09/09/14 11:02	1
Benzo[k]fluoranthene	6.7	U	6.7	2.0	ug/Kg		09/06/14 12:38	09/09/14 11:02	1
Chrysene	6.7	U	6.7	3.3	ug/Kg		09/06/14 12:38	09/09/14 11:02	1
Dibenz(a,h)anthracene	6.7	U	6.7	3.3	ug/Kg		09/06/14 12:38	09/09/14 11:02	1
Fluoranthene	6.7	U	6.7	3.3	ug/Kg		09/06/14 12:38	09/09/14 11:02	1
Fluorene	6.7	U	6.7	3.3	ug/Kg		09/06/14 12:38	09/09/14 11:02	1
Indeno[1,2,3-cd]pyrene	6.7	U	6.7	3.3	ug/Kg		09/06/14 12:38	09/09/14 11:02	1
1-Methylnaphthalene	6.7	U	6.7	3.1	ug/Kg		09/06/14 12:38	09/09/14 11:02	1
2-Methylnaphthalene	6.7	U	6.7	3.3	ug/Kg		09/06/14 12:38	09/09/14 11:02	1
Naphthalene	6.7	U	6.7	3.3	ug/Kg		09/06/14 12:38	09/09/14 11:02	1
Phenanthrene	6.7	U	6.7	2.4	ug/Kg		09/06/14 12:38	09/09/14 11:02	1
Pyrene	6.7	U	6.7	3.3	ug/Kg		09/06/14 12:38	09/09/14 11:02	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl	*78*		*36 - 131*	*09/06/14 12:38*	*09/09/14 11:02*	*1*

Lab Sample ID: LCS 680-347686/22-A
Matrix: Solid
Analysis Batch: 347967

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 347686

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Acenaphthene	333	256		ug/Kg		77	33 - 130
Acenaphthylene	333	261		ug/Kg		78	37 - 131
Anthracene	333	290		ug/Kg		87	42 - 146
Benzo[a]anthracene	333	296		ug/Kg		89	39 - 157
Benzo[a]pyrene	333	292		ug/Kg		88	41 - 158
Benzo[b]fluoranthene	333	296		ug/Kg		89	35 - 152
Benzo[g,h,i]perylene	333	267		ug/Kg		80	32 - 150
Benzo[k]fluoranthene	333	290		ug/Kg		87	38 - 148
Chrysene	333	287		ug/Kg		86	38 - 147
Dibenz(a,h)anthracene	333	266		ug/Kg		80	32 - 155
Fluoranthene	333	307		ug/Kg		92	36 - 147
Fluorene	333	284		ug/Kg		85	36 - 138
Indeno[1,2,3-cd]pyrene	333	252		ug/Kg		76	35 - 148
1-Methylnaphthalene	333	263		ug/Kg		79	36 - 130
2-Methylnaphthalene	333	255		ug/Kg		76	42 - 130
Naphthalene	333	238		ug/Kg		71	33 - 130
Phenanthrene	333	263		ug/Kg		79	40 - 135
Pyrene	333	241		ug/Kg		72	38 - 145

Method: 8270D_LL_PAH - Semivolatile Organic Compounds (GC/MS) Low level PAH (Continued)

Lab Sample ID: LCS 680-347686/22-A — **Client Sample ID: Lab Control Sample**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 347967 — **Prep Batch: 347686**

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
o-Terphenyl	*65*		*36 - 131*

Lab Sample ID: LCSD 680-347686/25-A — **Client Sample ID: Lab Control Sample Dup**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 347967 — **Prep Batch: 347686**

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Acenaphthene	333	253		ug/Kg		76	33 - 130	1	50
Acenaphthylene	333	247		ug/Kg		74	37 - 131	5	50
Anthracene	333	281		ug/Kg		84	42 - 146	3	50
Benzo[a]anthracene	333	284		ug/Kg		85	39 - 157	4	50
Benzo[a]pyrene	333	271		ug/Kg		81	41 - 158	7	50
Benzo[b]fluoranthene	333	265		ug/Kg		80	35 - 152	11	50
Benzo[g,h,i]perylene	333	227		ug/Kg		68	32 - 150	16	50
Benzo[k]fluoranthene	333	287		ug/Kg		86	38 - 148	1	50
Chrysene	333	273		ug/Kg		82	38 - 147	5	50
Dibenz(a,h)anthracene	333	230		ug/Kg		69	32 - 155	15	50
Fluoranthene	333	303		ug/Kg		91	36 - 147	1	50
Fluorene	333	289		ug/Kg		87	36 - 138	2	50
Indeno[1,2,3-cd]pyrene	333	227		ug/Kg		68	35 - 148	11	50
1-Methylnaphthalene	333	250		ug/Kg		75	36 - 130	5	50
2-Methylnaphthalene	333	242		ug/Kg		73	42 - 130	5	50
Naphthalene	333	215		ug/Kg		65	33 - 130	10	50
Phenanthrene	333	253		ug/Kg		76	40 - 135	4	50
Pyrene	333	223		ug/Kg		67	38 - 145	8	50

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
o-Terphenyl	*56*		*36 - 131*

Lab Sample ID: 680-104968-4 MS — **Client Sample ID: CV0965C-CS24**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 347967 — **Prep Batch: 347686**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Acenaphthene	76	U	378	250		ug/Kg	☼	66	33 - 130
Acenaphthylene	76	U	378	229		ug/Kg	☼	61	37 - 131
Anthracene	76	U	378	248		ug/Kg	☼	66	42 - 146
Benzo[a]anthracene	76	U	378	284		ug/Kg	☼	75	39 - 157
Benzo[a]pyrene	33	J	378	259		ug/Kg	☼	60	41 - 158
Benzo[b]fluoranthene	51	J	378	300		ug/Kg	☼	66	35 - 152
Benzo[g,h,i]perylene	76	U	378	266		ug/Kg	☼	70	32 - 150
Benzo[k]fluoranthene	23	J	378	251		ug/Kg	☼	66	38 - 148
Chrysene	50	J	378	295		ug/Kg	☼	65	38 - 147
Dibenz(a,h)anthracene	76	U	378	256		ug/Kg	☼	68	32 - 155
Fluoranthene	66	J	378	288		ug/Kg	☼	59	36 - 147
Fluorene	76	U	378	251		ug/Kg	☼	66	36 - 138
Indeno[1,2,3-cd]pyrene	76	U	378	264		ug/Kg	☼	70	35 - 148
1-Methylnaphthalene	76	U	378	248		ug/Kg	☼	66	36 - 130

Method: 8270D_LL_PAH - Semivolatile Organic Compounds (GC/MS) Low level PAH (Continued)

Lab Sample ID: 680-104968-4 MS — **Client Sample ID: CV0965C-CS24**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 347967 — **Prep Batch: 347686**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
2-Methylnaphthalene	76	U	378	233		ug/Kg	☼	62	42 - 130
Naphthalene	76	U	378	230		ug/Kg	☼	61	33 - 130
Phenanthrene	39	J	378	271		ug/Kg	☼	61	40 - 135
Pyrene	50	J	378	263		ug/Kg	☼	57	38 - 145

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
o-Terphenyl	*0*	*D*	*36 - 131*

Lab Sample ID: 680-104968-4 MSD — **Client Sample ID: CV0965C-CS24**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 347967 — **Prep Batch: 347686**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Acenaphthene	76	U	377	232		ug/Kg	☼	61	33 - 130	8	50
Acenaphthylene	76	U	377	203		ug/Kg	☼	54	37 - 131	12	50
Anthracene	76	U	377	230		ug/Kg	☼	61	42 - 146	8	50
Benzo[a]anthracene	76	U	377	267		ug/Kg	☼	71	39 - 157	6	50
Benzo[a]pyrene	33	J	377	218		ug/Kg	☼	49	41 - 158	17	50
Benzo[b]fluoranthene	51	J	377	285		ug/Kg	☼	62	35 - 152	5	50
Benzo[g,h,i]perylene	76	U	377	225		ug/Kg	☼	60	32 - 150	17	50
Benzo[k]fluoranthene	23	J	377	246		ug/Kg	☼	65	38 - 148	2	50
Chrysene	50	J	377	282		ug/Kg	☼	62	38 - 147	4	50
Dibenz(a,h)anthracene	76	U	377	201		ug/Kg	☼	53	32 - 155	24	50
Fluoranthene	66	J	377	269		ug/Kg	☼	54	36 - 147	7	50
Fluorene	76	U	377	241		ug/Kg	☼	64	36 - 138	4	50
Indeno[1,2,3-cd]pyrene	76	U	377	211		ug/Kg	☼	56	35 - 148	22	50
1-Methylnaphthalene	76	U	377	241		ug/Kg	☼	64	36 - 130	3	50
2-Methylnaphthalene	76	U	377	229		ug/Kg	☼	61	42 - 130	2	50
Naphthalene	76	U	377	219		ug/Kg	☼	58	33 - 130	5	50
Phenanthrene	39	J	377	248		ug/Kg	☼	55	40 - 135	9	50
Pyrene	50	J	377	250		ug/Kg	☼	53	38 - 145	5	50

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
o-Terphenyl	*0*	*D*	*36 - 131*

Method: 6010C - Metals (ICP)

Lab Sample ID: MB 680-347754/1-A — **Client Sample ID: Method Blank**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 348494 — **Prep Batch: 347754**

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	19	U	19	9.5	mg/Kg		09/08/14 07:53	09/11/14 02:12	1
Arsenic	1.9	U	1.9	0.56	mg/Kg		09/08/14 07:53	09/11/14 02:12	1
Iron	19	U	19	6.7	mg/Kg		09/08/14 07:53	09/11/14 02:12	1
Lead	0.95	U	0.95	0.50	mg/Kg		09/08/14 07:53	09/11/14 02:12	1

QC Sample Results

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

TestAmerica Job ID: 680-104968-1
SDG: 680-104968-01

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

Lab Sample ID: LCS 680-347754/2-A — **Client Sample ID: Lab Control Sample**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 348494 — **Prep Batch: 347754**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Aluminum	446	432		mg/Kg		97	75 - 125
Arsenic	8.93	8.97		mg/Kg		100	75 - 125
Iron	446	438		mg/Kg		98	75 - 125
Lead	4.46	4.38		mg/Kg		98	75 - 125

Lab Sample ID: 680-104968-4 MS — **Client Sample ID: CV0965C-CS24**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 348494 — **Prep Batch: 347754**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Aluminum	14000		561	15800	4	mg/Kg	☼	241	75 - 125
Arsenic	20		11.2	30.5		mg/Kg	☼	94	75 - 125
Iron	65000		561	64300	4	mg/Kg	☼	-153	75 - 125
Lead	65		5.61	44.9	4	mg/Kg	☼	-358	75 - 125

Lab Sample ID: 680-104968-4 MSD — **Client Sample ID: CV0965C-CS24**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 348494 — **Prep Batch: 347754**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Aluminum	14000		550	16000	4	mg/Kg	☼	277	75 - 125	1	20
Arsenic	20		11.0	30.9		mg/Kg	☼	100	75 - 125	1	20
Iron	65000		550	57000	4	mg/Kg	☼	-1477	75 - 125	12	20
Lead	65		5.50	54.0	4	mg/Kg	☼	-200	75 - 125	18	20

QC Association Summary

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

TestAmerica Job ID: 680-104968-1
SDG: 680-104968-01

GC/MS Semi VOA

Prep Batch: 347686

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-104968-1	CV0965C-CS6	Total/NA	Solid	3546	
680-104968-2	CV0965C-CS12	Total/NA	Solid	3546	
680-104968-3	CV0965C-CS18	Total/NA	Solid	3546	
680-104968-4	CV0965C-CS24	Total/NA	Solid	3546	
680-104968-4 MS	CV0965C-CS24	Total/NA	Solid	3546	
680-104968-4 MSD	CV0965C-CS24	Total/NA	Solid	3546	
680-104968-5	CV0755A-CS6	Total/NA	Solid	3546	
680-104968-6	CV0755A-CSD6	Total/NA	Solid	3546	
680-104968-7	CV0755A-CS12	Total/NA	Solid	3546	
680-104968-8	CV0755A-CS18	Total/NA	Solid	3546	
680-104968-9	CV0755A-CS24	Total/NA	Solid	3546	
680-104968-11	CV0755B-CS6	Total/NA	Solid	3546	
680-104968-12	CV0755B-CS12	Total/NA	Solid	3546	
LCS 680-347686/22-A	Lab Control Sample	Total/NA	Solid	3546	
LCSD 680-347686/25-A	Lab Control Sample Dup	Total/NA	Solid	3546	
MB 680-347686/21-A	Method Blank	Total/NA	Solid	3546	

Analysis Batch: 347967

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-104968-1	CV0965C-CS6	Total/NA	Solid	8270D_LL_PAH	347686
680-104968-2	CV0965C-CS12	Total/NA	Solid	8270D_LL_PAH	347686
680-104968-3	CV0965C-CS18	Total/NA	Solid	8270D_LL_PAH	347686
680-104968-4	CV0965C-CS24	Total/NA	Solid	8270D_LL_PAH	347686
680-104968-4 MS	CV0965C-CS24	Total/NA	Solid	8270D_LL_PAH	347686
680-104968-4 MSD	CV0965C-CS24	Total/NA	Solid	8270D_LL_PAH	347686
680-104968-5	CV0755A-CS6	Total/NA	Solid	8270D_LL_PAH	347686
680-104968-6	CV0755A-CSD6	Total/NA	Solid	8270D_LL_PAH	347686
680-104968-7	CV0755A-CS12	Total/NA	Solid	8270D_LL_PAH	347686
680-104968-8	CV0755A-CS18	Total/NA	Solid	8270D_LL_PAH	347686
680-104968-9	CV0755A-CS24	Total/NA	Solid	8270D_LL_PAH	347686
680-104968-11	CV0755B-CS6	Total/NA	Solid	8270D_LL_PAH	347686
680-104968-12	CV0755B-CS12	Total/NA	Solid	8270D_LL_PAH	347686
LCS 680-347686/22-A	Lab Control Sample	Total/NA	Solid	8270D_LL_PAH	347686
LCSD 680-347686/25-A	Lab Control Sample Dup	Total/NA	Solid	8270D_LL_PAH	347686
MB 680-347686/21-A	Method Blank	Total/NA	Solid	8270D_LL_PAH	347686

Metals

Prep Batch: 347754

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-104968-1	CV0965C-CS6	Total/NA	Solid	3050B	
680-104968-2	CV0965C-CS12	Total/NA	Solid	3050B	
680-104968-3	CV0965C-CS18	Total/NA	Solid	3050B	
680-104968-4	CV0965C-CS24	Total/NA	Solid	3050B	
680-104968-4 MS	CV0965C-CS24	Total/NA	Solid	3050B	
680-104968-4 MSD	CV0965C-CS24	Total/NA	Solid	3050B	
680-104968-5	CV0755A-CS6	Total/NA	Solid	3050B	
680-104968-6	CV0755A-CSD6	Total/NA	Solid	3050B	
680-104968-7	CV0755A-CS12	Total/NA	Solid	3050B	
680-104968-8	CV0755A-CS18	Total/NA	Solid	3050B	

Metals (Continued)

Prep Batch: 347754 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-104968-9	CV0755A-CS24	Total/NA	Solid	3050B	
680-104968-10	CV0755B-CS4	Total/NA	Solid	3050B	
680-104968-11	CV0755B-CS6	Total/NA	Solid	3050B	
680-104968-12	CV0755B-CS12	Total/NA	Solid	3050B	
LCS 680-347754/2-A	Lab Control Sample	Total/NA	Solid	3050B	
MB 680-347754/1-A	Method Blank	Total/NA	Solid	3050B	

Analysis Batch: 348494

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-104968-1	CV0965C-CS6	Total/NA	Solid	6010C	347754
680-104968-2	CV0965C-CS12	Total/NA	Solid	6010C	347754
680-104968-3	CV0965C-CS18	Total/NA	Solid	6010C	347754
680-104968-4	CV0965C-CS24	Total/NA	Solid	6010C	347754
680-104968-4 MS	CV0965C-CS24	Total/NA	Solid	6010C	347754
680-104968-4 MSD	CV0965C-CS24	Total/NA	Solid	6010C	347754
680-104968-5	CV0755A-CS6	Total/NA	Solid	6010C	347754
680-104968-6	CV0755A-CSD6	Total/NA	Solid	6010C	347754
680-104968-7	CV0755A-CS12	Total/NA	Solid	6010C	347754
680-104968-8	CV0755A-CS18	Total/NA	Solid	6010C	347754
680-104968-9	CV0755A-CS24	Total/NA	Solid	6010C	347754
680-104968-10	CV0755B-CS4	Total/NA	Solid	6010C	347754
680-104968-11	CV0755B-CS6	Total/NA	Solid	6010C	347754
680-104968-12	CV0755B-CS12	Total/NA	Solid	6010C	347754
LCS 680-347754/2-A	Lab Control Sample	Total/NA	Solid	6010C	347754
MB 680-347754/1-A	Method Blank	Total/NA	Solid	6010C	347754

Analysis Batch: 348926

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-104968-3	CV0965C-CS18	Total/NA	Solid	6010C	347754
680-104968-5	CV0755A-CS6	Total/NA	Solid	6010C	347754
680-104968-6	CV0755A-CSD6	Total/NA	Solid	6010C	347754
680-104968-12	CV0755B-CS12	Total/NA	Solid	6010C	347754

General Chemistry

Analysis Batch: 347691

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-104968-1	CV0965C-CS6	Total/NA	Solid	Moisture	
680-104968-2	CV0965C-CS12	Total/NA	Solid	Moisture	
680-104968-3	CV0965C-CS18	Total/NA	Solid	Moisture	
680-104968-4	CV0965C-CS24	Total/NA	Solid	Moisture	
680-104968-4 MS	CV0965C-CS24	Total/NA	Solid	Moisture	
680-104968-4 MSD	CV0965C-CS24	Total/NA	Solid	Moisture	
680-104968-5	CV0755A-CS6	Total/NA	Solid	Moisture	
680-104968-6	CV0755A-CSD6	Total/NA	Solid	Moisture	
680-104968-7	CV0755A-CS12	Total/NA	Solid	Moisture	
680-104968-8	CV0755A-CS18	Total/NA	Solid	Moisture	
680-104968-9	CV0755A-CS24	Total/NA	Solid	Moisture	
680-104968-10	CV0755B-CS4	Total/NA	Solid	Moisture	
680-104968-11	CV0755B-CS6	Total/NA	Solid	Moisture	

General Chemistry (Continued)

Analysis Batch: 347691 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-104968-12	CV0755B-CS12	Total/NA	Solid	Moisture	

Lab Chronicle

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

TestAmerica Job ID: 680-104968-1
SDG: 680-104968-01

Client Sample ID: CV0965C-CS6

Lab Sample ID: 680-104968-1
Date Collected: 09/03/14 15:00
Matrix: Solid
Date Received: 09/05/14 10:05
Percent Solids: 91.6

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3546			30.05 g	1 mL	347686	09/06/14 12:38	JMK	TAL SAV
Total/NA	Analysis	8270D_LL_PAH		20	30.05 g	1 mL	347967	09/09/14 13:44	KMW	TAL SAV
	Instrument ID:	CMSK								
Total/NA	Prep	3050B			1.03 g	100 mL	347754	09/08/14 07:53	CRW	TAL SAV
Total/NA	Analysis	6010C		1	1.03 g	100 mL	348494	09/11/14 02:53	BCB	TAL SAV
	Instrument ID:	ICPF								
Total/NA	Analysis	Moisture		1			347691	09/06/14 10:49	HML	TAL SAV
	Instrument ID:	NOEQUIP								

Client Sample ID: CV0965C-CS12

Lab Sample ID: 680-104968-2
Date Collected: 09/03/14 15:10
Matrix: Solid
Date Received: 09/05/14 10:05
Percent Solids: 89.7

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	347686	09/06/14 12:38	JMK	TAL SAV
Total/NA	Analysis	8270D_LL_PAH		20	30.01 g	1 mL	347967	09/09/14 14:07	KMW	TAL SAV
	Instrument ID:	CMSK								
Total/NA	Prep	3050B			1.02 g	100 mL	347754	09/08/14 07:53	CRW	TAL SAV
Total/NA	Analysis	6010C		1	1.02 g	100 mL	348494	09/11/14 02:57	BCB	TAL SAV
	Instrument ID:	ICPF								
Total/NA	Analysis	Moisture		1			347691	09/06/14 10:49	HML	TAL SAV
	Instrument ID:	NOEQUIP								

Client Sample ID: CV0965C-CS18

Lab Sample ID: 680-104968-3
Date Collected: 09/03/14 15:20
Matrix: Solid
Date Received: 09/05/14 10:05
Percent Solids: 89.0

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3546			30.03 g	1 mL	347686	09/06/14 12:38	JMK	TAL SAV
Total/NA	Analysis	8270D_LL_PAH		10	30.03 g	1 mL	347967	09/09/14 14:30	KMW	TAL SAV
	Instrument ID:	CMSK								
Total/NA	Prep	3050B			1.06 g	100 mL	347754	09/08/14 07:53	CRW	TAL SAV
Total/NA	Analysis	6010C		1	1.06 g	100 mL	348494	09/11/14 03:02	BCB	TAL SAV
	Instrument ID:	ICPF								
Total/NA	Prep	3050B			1.06 g	100 mL	347754	09/08/14 07:53	CRW	TAL SAV
Total/NA	Analysis	6010C		10	1.06 g	100 mL	348926	09/12/14 12:36	BCB	TAL SAV
	Instrument ID:	ICPF								
Total/NA	Analysis	Moisture		1			347691	09/06/14 10:49	HML	TAL SAV
	Instrument ID:	NOEQUIP								

Lab Chronicle

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

TestAmerica Job ID: 680-104968-1
SDG: 680-104968-01

Client Sample ID: CV0965C-CS24

Lab Sample ID: 680-104968-4
Date Collected: 09/03/14 15:30
Matrix: Solid
Date Received: 09/05/14 10:05
Percent Solids: 88.3

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3546			30.03 g	1 mL	347686	09/06/14 12:38	JMK	TAL SAV
Total/NA	Analysis	8270D_LL_PAH		10	30.03 g	1 mL	347967	09/09/14 14:53	KMW	TAL SAV
	Instrument ID: CMSK									
Total/NA	Prep	3050B			1.00 g	100 mL	347754	09/08/14 07:53	CRW	TAL SAV
Total/NA	Analysis	6010C		1	1.00 g	100 mL	348494	09/11/14 02:21	BCB	TAL SAV
	Instrument ID: ICPF									
Total/NA	Analysis	Moisture		1			347691	09/06/14 10:49	HML	TAL SAV
	Instrument ID: NOEQUIP									

Client Sample ID: CV0755A-CS6

Lab Sample ID: 680-104968-5
Date Collected: 09/04/14 08:45
Matrix: Solid
Date Received: 09/05/14 10:05
Percent Solids: 90.7

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3546			30.04 g	1 mL	347686	09/06/14 12:38	JMK	TAL SAV
Total/NA	Analysis	8270D_LL_PAH		20	30.04 g	1 mL	347967	09/09/14 15:17	KMW	TAL SAV
	Instrument ID: CMSK									
Total/NA	Prep	3050B			1.03 g	100 mL	347754	09/08/14 07:53	CRW	TAL SAV
Total/NA	Analysis	6010C		1	1.03 g	100 mL	348494	09/11/14 03:06	BCB	TAL SAV
	Instrument ID: ICPF									
Total/NA	Prep	3050B			1.03 g	100 mL	347754	09/08/14 07:53	CRW	TAL SAV
Total/NA	Analysis	6010C		10	1.03 g	100 mL	348926	09/12/14 12:41	BCB	TAL SAV
	Instrument ID: ICPF									
Total/NA	Analysis	Moisture		1			347691	09/06/14 10:49	HML	TAL SAV
	Instrument ID: NOEQUIP									

Client Sample ID: CV0755A-CSD6

Lab Sample ID: 680-104968-6
Date Collected: 09/04/14 08:50
Matrix: Solid
Date Received: 09/05/14 10:05
Percent Solids: 90.1

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3546			30.03 g	1 mL	347686	09/06/14 12:38	JMK	TAL SAV
Total/NA	Analysis	8270D_LL_PAH		20	30.03 g	1 mL	347967	09/09/14 15:40	KMW	TAL SAV
	Instrument ID: CMSK									
Total/NA	Prep	3050B			1.14 g	100 mL	347754	09/08/14 07:53	CRW	TAL SAV
Total/NA	Analysis	6010C		1	1.14 g	100 mL	348494	09/11/14 03:11	BCB	TAL SAV
	Instrument ID: ICPF									
Total/NA	Prep	3050B			1.14 g	100 mL	347754	09/08/14 07:53	CRW	TAL SAV
Total/NA	Analysis	6010C		10	1.14 g	100 mL	348926	09/12/14 12:45	BCB	TAL SAV
	Instrument ID: ICPF									
Total/NA	Analysis	Moisture		1			347691	09/06/14 10:49	HML	TAL SAV
	Instrument ID: NOEQUIP									

Lab Chronicle

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

TestAmerica Job ID: 680-104968-1
SDG: 680-104968-01

Client Sample ID: CV0755A-CS12

Lab Sample ID: 680-104968-7
Date Collected: 09/04/14 08:55
Matrix: Solid
Date Received: 09/05/14 10:05
Percent Solids: 93.9

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	347686	09/06/14 12:38	JMK	TAL SAV
Total/NA	Analysis	8270D_LL_PAH		10	30.01 g	1 mL	347967	09/09/14 16:03	KMW	TAL SAV
	Instrument ID:	CMSK								
Total/NA	Prep	3050B			1.05 g	100 mL	347754	09/08/14 07:53	CRW	TAL SAV
Total/NA	Analysis	6010C		1	1.05 g	100 mL	348494	09/11/14 03:15	BCB	TAL SAV
	Instrument ID:	ICPF								
Total/NA	Analysis	Moisture		1			347691	09/06/14 10:49	HML	TAL SAV
	Instrument ID:	NOEQUIP								

Client Sample ID: CV0755A-CS18

Lab Sample ID: 680-104968-8
Date Collected: 09/04/14 09:05
Matrix: Solid
Date Received: 09/05/14 10:05
Percent Solids: 80.1

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3546			30.03 g	1 mL	347686	09/06/14 12:38	JMK	TAL SAV
Total/NA	Analysis	8270D_LL_PAH		10	30.03 g	1 mL	347967	09/09/14 16:26	KMW	TAL SAV
	Instrument ID:	CMSK								
Total/NA	Prep	3050B			1.11 g	100 mL	347754	09/08/14 07:53	CRW	TAL SAV
Total/NA	Analysis	6010C		1	1.11 g	100 mL	348494	09/11/14 03:29	BCB	TAL SAV
	Instrument ID:	ICPF								
Total/NA	Analysis	Moisture		1			347691	09/06/14 10:49	HML	TAL SAV
	Instrument ID:	NOEQUIP								

Client Sample ID: CV0755A-CS24

Lab Sample ID: 680-104968-9
Date Collected: 09/04/14 09:15
Matrix: Solid
Date Received: 09/05/14 10:05
Percent Solids: 88.4

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3546			30.05 g	1 mL	347686	09/06/14 12:38	JMK	TAL SAV
Total/NA	Analysis	8270D_LL_PAH		10	30.05 g	1 mL	347967	09/09/14 16:49	KMW	TAL SAV
	Instrument ID:	CMSK								
Total/NA	Prep	3050B			1.02 g	100 mL	347754	09/08/14 07:53	CRW	TAL SAV
Total/NA	Analysis	6010C		1	1.02 g	100 mL	348494	09/11/14 03:33	BCB	TAL SAV
	Instrument ID:	ICPF								
Total/NA	Analysis	Moisture		1			347691	09/06/14 10:49	HML	TAL SAV
	Instrument ID:	NOEQUIP								

Client Sample ID: CV0755B-CS4

Lab Sample ID: 680-104968-10
Date Collected: 09/04/14 09:30
Matrix: Solid
Date Received: 09/05/14 10:05
Percent Solids: 88.6

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			1.19 g	100 mL	347754	09/08/14 07:53	CRW	TAL SAV

Lab Chronicle

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

TestAmerica Job ID: 680-104968-1
SDG: 680-104968-01

Client Sample ID: CV0755B-CS4

Lab Sample ID: 680-104968-10
Date Collected: 09/04/14 09:30
Matrix: Solid
Date Received: 09/05/14 10:05
Percent Solids: 88.6

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	6010C		1	1.19 g	100 mL	348494	09/11/14 03:38	BCB	TAL SAV
	Instrument ID: ICPF									
Total/NA	Analysis	Moisture		1			347691	09/06/14 10:49	HML	TAL SAV
	Instrument ID: NOEQUIP									

Client Sample ID: CV0755B-CS6

Lab Sample ID: 680-104968-11
Date Collected: 09/04/14 09:40
Matrix: Solid
Date Received: 09/05/14 10:05
Percent Solids: 89.3

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3546			30.03 g	1 mL	347686	09/06/14 12:38	JMK	TAL SAV
Total/NA	Analysis	8270D_LL_PAH		20	30.03 g	1 mL	347967	09/09/14 17:12	KMW	TAL SAV
	Instrument ID: CMSK									
Total/NA	Prep	3050B			1.19 g	100 mL	347754	09/08/14 07:53	CRW	TAL SAV
Total/NA	Analysis	6010C		1	1.19 g	100 mL	348494	09/11/14 03:42	BCB	TAL SAV
	Instrument ID: ICPF									
Total/NA	Analysis	Moisture		1			347691	09/06/14 10:49	HML	TAL SAV
	Instrument ID: NOEQUIP									

Client Sample ID: CV0755B-CS12

Lab Sample ID: 680-104968-12
Date Collected: 09/04/14 09:50
Matrix: Solid
Date Received: 09/05/14 10:05
Percent Solids: 91.9

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	347686	09/06/14 12:38	JMK	TAL SAV
Total/NA	Analysis	8270D_LL_PAH		20	30.01 g	1 mL	347967	09/09/14 17:36	KMW	TAL SAV
	Instrument ID: CMSK									
Total/NA	Prep	3050B			1.11 g	100 mL	347754	09/08/14 07:53	CRW	TAL SAV
Total/NA	Analysis	6010C		1	1.11 g	100 mL	348494	09/11/14 03:47	BCB	TAL SAV
	Instrument ID: ICPF									
Total/NA	Prep	3050B			1.11 g	100 mL	347754	09/08/14 07:53	CRW	TAL SAV
Total/NA	Analysis	6010C		10	1.11 g	100 mL	348926	09/12/14 12:50	BCB	TAL SAV
	Instrument ID: ICPF									
Total/NA	Analysis	Moisture		1			347691	09/06/14 10:49	HML	TAL SAV
	Instrument ID: NOEQUIP									

Laboratory References:

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

TestAmerica Ft. Lauderdale
6301 NW 5th Way
Suite 2850
Ft. Lauderdale, FL 33309
phone 954.809.5580 fax

Chain of Custody Record

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

TestAmerica Laboratories, Inc.

Client Contact	Project Manager: Russell Henderson	Site Contact: Russell Henderson	Date: 09/04/14	COC No:
OTIE	Tel/Fax: 678-355-5550	Lab Contact: Lisa Harvey	Carrier: FedEx	1 of 3 COCs
1220 Kennestone Circle Suite 106	Analysis Turnaround Time			Job No.
Marietta, GA 30066	Calendar (C) or Work Days (W) W			
(678) 355-5550 Phone	TAT if different from Below			
rhenderson@otie.com Email	☐ 2 weeks			SDG No.
Project Name: 35th Avenue	☒ 1 week			
Site: 2014078-1006	☐ 2 days			
P O #	☐ 1 day			Sampler: Ryan Stubbs

Sample Identification	Sample Date	Sample Time	Sample Type	Matrix	# of Cont.	Filtered Sample	PAHs	Arsenic, Lead, Aluminum, and Iron	Sample Specific Notes:
CV0965C-CS6	9/3/2014	1500	Composite	Soil	2	N	X	X	
CV0965C-CS12	9/3/2014	1510	Composite	Soil	2	N	X	X	
CV0965C-CS18	9/3/2014	1520	Composite	Soil	2	N	X	X	
CV0965C-CS24	9/3/2014	1530	Composite	Soil	2	N	X	X	MS/MSD
CV0755A-CS6	9/4/2014	0845	Composite	Soil	2	N	X	X	
CV0755A-CSD6	9/4/2014	0850	Composite	Soil	2	N	X	X	
CV0755A-CS12	9/4/2014	0855	Composite	Soil	2	N	X	X	
CV0755A-CS18	9/4/2014	0905	Composite	Soil	2	N	X	X	
CV0755A-CS24	9/4/2014	0915	Composite	Soil	2	N	X	X	
CV0755B-CS4	9/4/2014	0930	Composite	Soil	1	N		X	
CV0755B-CS6	9/4/2014	0940	Composite	Soil	2	N	X	X	
CV0755B-CS12	9/4/2014	0950	Composite	Soil	2	N	X	X	

680-104968 Chain of Custody

Preservation Used: 1= Ice, 2= HCl; 3= H2SO4; 4=HNO3; 5=NaOH; 6= Other 1

Possible Hazard Identification
☐ *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:

Relinquished by:	Company:	Date/Time:	Received by:	Company:	Date/Time:
[signature]	OTIE	09/04/14 @1500	[signature]	TA SAV	090514 1005
Relinquished by:	Company:	Date/Time:	Received by:	Company:	Date/Time:
Relinquished by:	Company:	Date/Time:	Received by:	Company:	Date/Time: 1.5C

Form No. CA-C-WI-002, Rev. 3.1, dated 07/12/2012

Login Sample Receipt Checklist

Client: Oneida Total Integrated Enterprises LLC

Job Number: 680-104968-1
SDG Number: 680-104968-01

Login Number: 104968
List Number: 1
Creator: Banda, Christy S

List Source: TestAmerica Savannah

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

Certification Summary

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

TestAmerica Job ID: 680-104968-1
SDG: 680-104968-01

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