Data Validation Checklist
Inorganic Analyses

Project:	35TH Avenue Superfund Site	Project No:	60430028; 1
Laboratory:	TestAmerica – Savannah, GA	Job ID.:	680-106200-4
Method:	SW-846 6010C (Aluminum, Arsenic, Iron, and Lead)	Associated Samples:	Refer to **Attachment A** (Sample Summary)
Matrix:	Soil	Samples Collected:	10/07/2014
Reviewer:	Karen M Trujillo, URS Group, Inc.	Date:	08/06/2015
Concurrence[1]:	Martha Meyers-Lee, URS Group, Inc.	Date:	08/07/2015

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, June 2015) for target analytes: • Aluminum: 77,000 mg/Kg • Arsenic: 0.68 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 in all undiluted samples, except arsenic (MDL is 0.69 mg/Kg) in sample 680-106200-54 [CV0509Y-CSD (0-4")]. A data gap does not exist as arsenic was detected in sample 680-106200-54 [CV0509Y-CSD (0-4")].	
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?		✓		Target analyte was not detected in the method blanks. Calibration blanks were not evaluated.	
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.	
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			✓	Target analytes were not detected during the analysis of the method blanks. 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?	✓			CV0509Y-CSD (0-4") (680-106200-54) is a field duplicate of sample CV0509Y-CS (0-4") (680-106200-53)	
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 o 7471A: • ICAL: Blank and five standards • ICV initially, and CCV every 10th sample and at the end of the analytical run o 7196A: • ICAL: Blank and minimum of five standards • ICV initially, and CCV every 10th sample (15th per Method) and at the end of the analytical run	✓			6010C: 10/13/2014, 10/14/2014, 10/15/2014, and 10/16/2014. For each day of analysis: • One blank and one standard initially. • ICV initially, and CCV every 10 samples and at end of run. • CRI after initial calibration blank analysis.	
17. Were these results within lab/project specifications? o 6010C	✓				

Data Validation Checklist (Continued)

Review Questions	Yes	No	N/A	Samples (Analytes) Affected/Comments	Flag
• 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 ○ 7471A • ICV/CCV (Criteria: 80-120%R): ▪ If correlation coefficients <0.995, then J and UJ flag positive and non-detect results. ▪ If %R <65, then J- flag positive results and R-flag non-detects ▪ If 65-79%R, then J- flag positive results and UJ flag non-detects ▪ If 121-135%R, then J flag positive results ▪ If >135%R, then J+ flag positive results ▪ If >170%R, then R flag positive results • CRI (Method: Not required, Laboratory: 50-150%R, Project: 70-130%R): ▪ If CRI %R <50, then R flag results ≤ 2x RL and J flag positive results >2x RL ▪ If CRI %R 50-69%, then J- and UJ flag positive results <2x RL and ND, respectively ▪ If CRI %R >130% and ≤180%, then J+ flag positive results <2x RL ▪ If CRI %R >180%, then R flag positive result ○ 7196A: • ICV/CCV (Criteria: 90-110%R): ▪ If correlation coefficients <0.995, then J and UJ flag positive and non-detect results. ▪ If %R <65, then J- flag positive results and R-flag non-					

Data Validation Checklist (Continued)

Review Questions	Yes	No	N/A	Samples (Analytes) Affected/Comments	Flag
detects ▪ If 65-90%R, then J- flag positive results and UJ flag non-detects ▪ If 110-135%R, then J flag positive results ▪ If >135%R, then J+ flag positive results ▪ If >170%R, then R flag positive results					
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 o Aqueous: • If <50%R, then J- and R flag positive and ND results, respectively • If 50-LCL%R, J- and UJ flag positive and ND results, respectively • >UCL: J+ Flag positive results • >150%R: R Flag results	✓				
22. Was the RPD between LCS and LCSD results within method/laboratory /project control limits (≤20%RPD)? If not, J and UJ flag positive and non-detect results, respectively			✓	LCS only	
23. Was a Matrix Spike (MS) and Matrix Spike Duplicate (MSD) analyzed once per preparation batch?	✓			• Batch 353262: 680-106200-51 [CV0753B-CS (0-4")], MS/MSD/PDS • Batch 353249: 640-49420-A-9 (Batch Sample), MS/MSD/PDS	
24. Is the MS and MSD parent sample a project-specific sample?	✓	✓			
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)?	✓				
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		✓		680-106200-51 [CV0753B-CS (0-4")]: Arsenic MS and MSD @194 and 120%R (Lab/Project: 75-125%R); PDS @104%R (Lab/Project: 80-120%R). Qualification of data is not warranted, as the MSD recovery met control limits.	

Data Validation Checklist (Continued)

Review Questions	Yes	No	N/A	Samples (Analytes) Affected/Comments	Flag
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 o 7471A/7196: • If MS %R <30, then J- and R Flag positive and ND results, respectively • If MS and MSD %R 30-LCL, then J- flag positive and UJ flag non-detect results • If MS and MSD %R >UCL, then J+ flag positive results					
27. For all analytes with sample concentration < 4 x spike concentration, were laboratory/project (≤20%RPD) criteria met for precision during the MS and MSD analysis? *Only QC results for project samples are evaluated.* o If RPD >20%, J and UJ flag positive and non-detect results.	✓				
28. Was a serial dilution conducted for 6010C/EPA 200.7?	✓				
29. Is the serial dilution parent sample a project-specific sample?	✓	✓		680-106200-51 [CV0753B-CS (0-4")] and 640-49420-A-9 (Batch Sample)	
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?			✓		

Data Validation Checklist (Continued)

Review Questions	Yes	No	N/A	Samples (Analytes) Affected/Comments	Flag
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: 680-106200-4
Sdg Number: 680-106200-04

Lab Sample ID	Client Sample ID	Client Matrix	Date/Time Sampled	Date/Time Received
680-106200-51	CV0753B-CS (0-4")	Solid	10/07/2014 1620	10/11/2014 0933
680-106200-51MS	CV0753B-CS (0-4")	Solid	10/07/2014 1620	10/11/2014 0933
680-106200-51MSD	CV0753B-CS (0-4")	Solid	10/07/2014 1620	10/11/2014 0933
680-106200-52	CV0613E-CS (0-4")	Solid	10/07/2014 1540	10/11/2014 0933
680-106200-53	CV0509Y-CS (0-4")	Solid	10/07/2014 1130	10/11/2014 0933
680-106200-54	CV0509Y-CSD (0-4")	Solid	10/07/2014 1130	10/11/2014 0933
680-106200-55	CV0509X-CS6	Solid	10/07/2014 1020	10/11/2014 0933
680-106200-56	CV0509X-CS12	Solid	10/07/2014 1030	10/11/2014 0933
680-106200-57	CV0509X-CS18	Solid	10/07/2014 1040	10/11/2014 0933
680-106200-58	CV0613A-CS6	Solid	10/07/2014 1300	10/11/2014 0933
680-106200-59	CV0613A-CS12	Solid	10/07/2014 1310	10/11/2014 0933
680-106200-60	CV0613A-CS18	Solid	10/07/2014 1320	10/11/2014 0933
680-106200-61	CV0613A-CS24	Solid	10/07/2014 1330	10/11/2014 0933
680-106200-62	CV0509KK-CS6	Solid	10/07/2014 1410	10/11/2014 0933

ATTACHMENT B

FIELD DUPLICATE EVALUATION

Evaluation of Field Duplicate Results **Attachment B**

Analyte	CV0509Y-CS (0-4") 680-106200-53		RL	CV0509Y-CSD (0-4") 680-106200-54		RL	Unit	Avg. RLx5	RPD	Absolute difference	2x Avg RL	Action
Aluminum	13000		23	14000		23	mg/kg	115	**7**	NA	NA	None, RPD ≤ 50%
Arsenic	26		2.3	24		2.3	mg/kg	11.5	**8**	NA	NA	None, RPD ≤ 50%
Iron	37000		23	35000		8.1	mg/kg	77.75	**6**	NA	NA	None, RPD ≤ 50%
Lead	340		11	280		12	mg/kg	57.5	**19**	NA	NA	None, RPD ≤ 50%

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

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

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

ATTACHMENT C

CASE NARRATIVE

CASE NARRATIVE
Client: Oneida Total Integrated Enterprises LLC
Project: 35th Avenue Superfund Site
Report Number: 680-106200-4

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

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

RECEIPT

The samples were received on 10/11/2014 9:33 AM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperatures of the 4 coolers at receipt time were 0.8º C, 1.8º C, 4.8º C and 5.2º C.

SEMIVOLATILE ORGANIC COMPOUNDS (GC/MS) LOW LEVEL PAH

Samples CV0753B-CS (0-4") (680-106200-51), CV0509X-CS6 (680-106200-55), CV0509X-CS12 (680-106200-56), CV0509X-CS18 (680-106200-57), CV0613A-CS6 (680-106200-58), CV0613A-CS12 (680-106200-59), CV0613A-CS18 (680-106200-60), CV0613A-CS24 (680-106200-61) and CV0509KK-CS6 (680-106200-62) 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): CV0509KK-CS6 (680-106200-62), CV0509X-CS12 (680-106200-56), CV0509X-CS18 (680-106200-57), CV0509X-CS6 (680-106200-55), CV0613A-CS12 (680-106200-59), CV0613A-CS18 (680-106200-60), CV0613A-CS24 (680-106200-61), CV0613A-CS6 (680-106200-58), CV0753B-CS (0-4") (680-106200-51).

Method(s) 8270D_LL_PAH: The following sample(s) was diluted due to the nature of the sample matrix : CV0509KK-CS6 (680-106200-62), CV0509X-CS12 (680-106200-56), CV0509X-CS18 (680-106200-57), CV0509X-CS6 (680-106200-55), CV0613A-CS6 (680-106200-58), CV0753B-CS (0-4") (680-106200-51), CV0753B-CS (0-4") (680-106200-51 MS), CV0753B-CS (0-4") (680-106200-51 MSD). As such, surrogate recoveries are below the calibration range or are not reported, and elevated reporting limits (RLs) are provided.

Method(s) 8270D_LL_PAH: The continuing calibration verification (CCV) analyzed in batch 354069 was outside the method criteria for the following analyte(s): Indeno[1,2,3-cd]pyrene and o-Terphenyl. A CCV standard at or below the reporting limit (RL) was analyzed with the affected samples and found to be acceptable. As indicated in the reference method, sample analysis may proceed; however, any detection for the affected analyte(s) is considered estimated.

Several analytes recoveries are outside criteria low for the MS and/or MSD of sample CV0753B-CS (0-4") (680-106200-51) in batch 680-354069.

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

Refer to the QC report for details.

METALS (ICP)

Samples CV0753B-CS (0-4") (680-106200-51), CV0613E-CS (0-4") (680-106200-52), CV0509Y-CS (0-4") (680-106200-53), CV0509Y-CSD (0-4") (680-106200-54), CV0509X-CS6 (680-106200-55), CV0509X-CS12 (680-106200-56), CV0509X-CS18 (680-106200-57), CV0613A-CS6 (680-106200-58), CV0613A-CS12 (680-106200-59), CV0613A-CS18 (680-106200-60), CV0613A-CS24 (680-106200-61) and CV0509KK-CS6 (680-106200-62) were analyzed for Metals (ICP) in accordance with EPA SW-846 Method 6010C.

Aluminum, Arsenic and Iron have recovery outside criteria high for the MS of sample CV0753B-CS (0-4") (680-106200-51) in batch 680-353949.

Lead recovery is outside criteria low for the MSD of sample CV0753B-CS (0-4") (680-106200-51) in batch 680-353949. Aluminum and Iron failed the recovery criteria high.

Refer to the QC report for details.

PERCENT SOLIDS/MOISTURE

Samples CV0753B-CS (0-4") (680-106200-51), CV0613E-CS (0-4") (680-106200-52), CV0509Y-CS (0-4") (680-106200-53), CV0509Y-CSD (0-4") (680-106200-54), CV0509X-CS6 (680-106200-55), CV0509X-CS12 (680-106200-56), CV0509X-CS18 (680-106200-57), CV0613A-CS6 (680-106200-58), CV0613A-CS12 (680-106200-59), CV0613A-CS18 (680-106200-60), CV0613A-CS24 (680-106200-61) and CV0509KK-CS6 (680-106200-62) 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: CV0753B-CS (0-4")
Lab Sample ID: 680-106200-51
Lab Name: TestAmerica Savannah
Job No.: 680-106200-4
SDG ID.: 680-106200-04
Matrix: Solid
Date Sampled: 10/07/2014 16:20
Reporting Basis: DRY
Date Received: 10/11/2014 09:33
% Solids: 87.3

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7429-90-5	Aluminum	13000	20	10	mg/Kg			1	6010C
7440-38-2	Arsenic	28	2.0	0.59	mg/Kg			1	6010C
7439-89-6	Iron	41000	20	7.0	mg/Kg			1	6010C
7439-92-1	Lead	340	1.0	0.53	mg/Kg			1	6010C

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

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS

Client Sample ID: CV0613E-CS (0-4")
Lab Sample ID: 680-106200-52
Lab Name: TestAmerica Savannah
Job No.: 680-106200-4
SDG ID.: 680-106200-04
Matrix: Solid
Date Sampled: 10/07/2014 15:40
Reporting Basis: DRY
Date Received: 10/11/2014 09:33
% Solids: 94.1

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	10	1.9	0.58	mg/Kg			1	6010C
7439-89-6	Iron	33000	19	6.8	mg/Kg			1	6010C
7439-92-1	Lead	140	0.97	0.52	mg/Kg			1	6010C

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

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS

Client Sample ID: CV0509Y-CS (0-4")
Lab Sample ID: 680-106200-53
Lab Name: TestAmerica Savannah
Job No.: 680-106200-4
SDG ID.: 680-106200-04
Matrix: Solid
Date Sampled: 10/07/2014 11:30
Reporting Basis: DRY
Date Received: 10/11/2014 09:33
% Solids: 86.0

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7429-90-5	Aluminum	13000	23	11	mg/Kg			1	6010C
7440-38-2	Arsenic	26	2.3	0.67	mg/Kg			1	6010C
7439-89-6	Iron	37000	23	8.0	mg/Kg			1	6010C
7439-92-1	Lead	340	11	6.0	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: CV0509Y-CSD (0-4")
Lab Sample ID: 680-106200-54
Lab Name: TestAmerica Savannah
Job No.: 680-106200-4
SDG ID.: 680-106200-04
Matrix: Solid
Date Sampled: 10/07/2014 11:30
Reporting Basis: DRY
Date Received: 10/11/2014 09:33
% Solids: 80.4

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7429-90-5	Aluminum	14000	23	12	mg/Kg			1	6010C
7440-38-2	Arsenic	24	2.3	0.69	mg/Kg			1	6010C
7439-89-6	Iron	35000	23	8.1	mg/Kg			1	6010C
7439-92-1	Lead	280	12	6.2	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: CV0509X-CS6
Lab Sample ID: 680-106200-55
Lab Name: TestAmerica Savannah
Job No.: 680-106200-4
SDG ID.: 680-106200-04
Matrix: Solid
Date Sampled: 10/07/2014 10:20
Reporting Basis: DRY
Date Received: 10/11/2014 09:33
% Solids: 80.6

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7429-90-5	Aluminum	13000	23	11	mg/Kg			1	6010C
7440-38-2	Arsenic	18	2.3	0.68	mg/Kg			1	6010C
7439-89-6	Iron	33000	23	8.0	mg/Kg			1	6010C
7439-92-1	Lead	80	1.1	0.61	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: CV0509X-CS12
Lab Sample ID: 680-106200-56
Lab Name: TestAmerica Savannah
Job No.: 680-106200-4
SDG ID.: 680-106200-04
Matrix: Solid
Date Sampled: 10/07/2014 10:30
Reporting Basis: DRY
Date Received: 10/11/2014 09:33
% Solids: 89.7

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7429-90-5	Aluminum	11000	20	9.8	mg/Kg			1	6010C
7440-38-2	Arsenic	11	2.0	0.58	mg/Kg			1	6010C
7439-89-6	Iron	31000	20	6.8	mg/Kg			1	6010C
7439-92-1	Lead	39	0.98	0.52	mg/Kg			1	6010C

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

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS

Client Sample ID: CV0509X-CS18
Lab Sample ID: 680-106200-57
Lab Name: TestAmerica Savannah
Job No.: 680-106200-4
SDG ID.: 680-106200-04
Matrix: Solid
Date Sampled: 10/07/2014 10:40
Reporting Basis: DRY
Date Received: 10/11/2014 09:33
% Solids: 88.6

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	8.8	2.2	0.66	mg/Kg			1	6010C
7439-89-6	Iron	35000	22	7.8	mg/Kg			1	6010C
7439-92-1	Lead	30	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: CV0613A-CS6
Lab Sample ID: 680-106200-58
Lab Name: TestAmerica Savannah
Job No.: 680-106200-4
SDG ID.: 680-106200-04
Matrix: Solid
Date Sampled: 10/07/2014 13:00
Reporting Basis: DRY
Date Received: 10/11/2014 09:33
% Solids: 93.0

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	33000	21	7.5	mg/Kg			1	6010C
7439-92-1	Lead	83	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: CV0613A-CS12
Lab Sample ID: 680-106200-59
Lab Name: TestAmerica Savannah
Job No.: 680-106200-4
SDG ID.: 680-106200-04
Matrix: Solid
Date Sampled: 10/07/2014 13:10
Reporting Basis: DRY
Date Received: 10/11/2014 09:33
% Solids: 92.3

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7429-90-5	Aluminum	14000	19	9.3	mg/Kg			1	6010C
7440-38-2	Arsenic	42	1.9	0.55	mg/Kg			1	6010C
7439-89-6	Iron	68000	19	6.5	mg/Kg			1	6010C
7439-92-1	Lead	63	9.3	5.0	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: CV0613A-CS18
Lab Sample ID: 680-106200-60
Lab Name: TestAmerica Savannah
Job No.: 680-106200-4
SDG ID.: 680-106200-04
Matrix: Solid
Date Sampled: 10/07/2014 13:20
Reporting Basis: DRY
Date Received: 10/11/2014 09:33
% Solids: 89.3

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7429-90-5	Aluminum	17000	21	10	mg/Kg			1	6010C
7440-38-2	Arsenic	62	2.1	0.61	mg/Kg			1	6010C
7439-89-6	Iron	73000	21	7.2	mg/Kg			1	6010C
7439-92-1	Lead	32	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: CV0613A-CS24
Lab Sample ID: 680-106200-61
Lab Name: TestAmerica Savannah
Job No.: 680-106200-4
SDG ID.: 680-106200-04
Matrix: Solid
Date Sampled: 10/07/2014 13:30
Reporting Basis: DRY
Date Received: 10/11/2014 09:33
% Solids: 87.2

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7429-90-5	Aluminum	18000	21	11	mg/Kg			1	6010C
7440-38-2	Arsenic	40	2.1	0.63	mg/Kg			1	6010C
7439-89-6	Iron	57000	21	7.5	mg/Kg			1	6010C
7439-92-1	Lead	20	1.1	0.57	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: CV0509KK-CS6
Lab Sample ID: 680-106200-62
Lab Name: TestAmerica Savannah
Job No.: 680-106200-4
SDG ID.: 680-106200-04
Matrix: Solid
Date Sampled: 10/07/2014 14:10
Reporting Basis: DRY
Date Received: 10/11/2014 09:33
% Solids: 94.8

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7429-90-5	Aluminum	6000	19	9.3	mg/Kg			1	6010C
7440-38-2	Arsenic	12	1.9	0.55	mg/Kg			1	6010C
7439-89-6	Iron	19000	19	6.5	mg/Kg			1	6010C
7439-92-1	Lead	40	0.93	0.49	mg/Kg			1	6010C

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

Data Validation Checklist
Semivolatile Organic Analyses

Project:	35TH Avenue Superfund Site	Project No:	60430028; 1
Laboratory:	TestAmerica – Savannah, GA	Job ID.:	680-106200-4
Method:	SW-846 8270D Low-Level (PAH)	Associated Samples:	Refer to **Attachment A** (Sample Summary)
Matrix:	Soil	Samples Collected:	10/07/2014
Reviewer:	Karen M Trujillo, URS Group, Inc.	Date:	08/06/2015
Concurrence[1]:	Martha Meyers-Lee, URS Group, Inc.	Date:	08/07/2015

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

[1] Independent technical reviewer

Data Validation Checklist (Continued)

Review Questions	Yes	No	N/A	Samples (Analytes) Affected/Comments	Flag
14. Is a field duplicate associated with this Job?		✓			
15. Was precision deemed acceptable as defined by the project plans?			✓		
16. Were DFTPP ion abundance criteria (i.e., Table 3 of SW-846 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: CMSY • Initial Calibration: 10/07/2014 • ICV: 10/07/14 @ 16:25 • CCV: 10/17/14 @ 09:52	
19. Were calibration results within laboratory/project specifications? • ICAL (Criteria: ≤20 mean %RSD (≤50% for poor performers), OR r≥0.995, OR r^2≥0.99, and RRF ≥0.050 (≥0.010 for poor performers)): o If %RSD>20 (>50% for poor performers), or r <0.995, or r^2 <0.995, then J flag positive results and UJ flag non-detects o If mean RRF <0.050 (<0.010 for poor performers), then J flag positive results and R flag non-detects (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		✓		CCV of 10/17/14 @ 09:52 (CCVIS 354069/2), instrument CMSY. Indeno[1,2,3-cd]pyrene @ -25.8%D (Lab: ≤20, Project: ≤20). Negative bias. J and UJ-Flag all positive and non-detect indeno[1,2,3-cd]pyrene sample results, as all samples are associated with this CCV.	J/UJ
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?	✓			Batch 353671: 680-106200-51 [CV0753B-CS (0-4")], MS/MSD	

Data Validation Checklist (Continued)

Review Questions	Yes	No	N/A	Samples (Analytes) Affected/Comments	Flag
25. For all analytes with native sample concentrations < 4 x spiking level, were MS and 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		✓		CV0753B-CS (0-4"), 680-106200-51: • 1-Methylnaphthalene MS and MSD @33 and 7 %R (36-130%R). J-Flag • 2-Methylnaphthalene MS and MSD @70 and 34 %R (42-130%R). Qualification of data is not required[2]. • Anthracene MS and MSD @35 and 34 %R (42-146%R). J-Flag • Benzo[a]anthracene MS and MSD @6 and 14 %R (39-157%R). J-Flag • Benzo[a]pyrene MS and MSD @10 and 6 %R (41-158%R). J-Flag • Benzo[b]fluoranthene MS and MSD @-6 and 4 %R (35-152%R). J-Flag • Benzo[g,h,i]perlyene MS and MSD @9 and 8 %R (32-150%R). J-Flag • Benzo[k]fluoranthene MS and MSD @36 and 23 %R (38-148%R). J-Flag • Chrysene MS and MSD @6 and -3 %R (38-147%R). J-Flag • Dibenz(a,h)anthracene MS and MSD @25 and 23 %R (32-155%R). J-Flag • Fluoranthene MS and MSD @-6 and12 %R (36-147%R). J-Flag • Indeno[1,2,3-cd]pyrene MS and MSD @12 and 11 %R (35-148%R). J-Flag • Phenanthrene MS and MSD @-59 and -49%R (40-135%R). J-Flag • Pyrene MS and MSD @7 and 22%R (38-145%R). J-Flag	J
26. For all analytes with native sample concentrations < 4 x spiking level, were laboratory criteria met for precision during the MS and MSD analyses? *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		✓		Surrogate o-terphenyl was not recovered (0%) during the diluted analysis of samples 680-108230-51, -55, - 56, -58, and -62. Qualification of sample results is not warranted, as the surrogate compound was diluted out of the samples.	

[2] The recovery of either MS or MSD met control limits.

Data Validation Checklist (Continued)

Review Questions	Yes	No	N/A	Samples (Analytes) Affected/Comments	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)					
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 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 B** (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 C**). 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: 680-106200-4
Sdg Number: 680-106200-04

Lab Sample ID	Client Sample ID	Client Matrix	Date/Time Sampled	Date/Time Received
680-106200-51	CV0753B-CS (0-4")	Solid	10/07/2014 1620	10/11/2014 0933
680-106200-51MS	CV0753B-CS (0-4")	Solid	10/07/2014 1620	10/11/2014 0933
680-106200-51MSD	CV0753B-CS (0-4")	Solid	10/07/2014 1620	10/11/2014 0933
680-106200-52	CV0613E-CS (0-4")	Solid	10/07/2014 1540	10/11/2014 0933
680-106200-53	CV0509Y-CS (0-4")	Solid	10/07/2014 1130	10/11/2014 0933
680-106200-54	CV0509Y-CSD (0-4")	Solid	10/07/2014 1130	10/11/2014 0933
680-106200-55	CV0509X-CS6	Solid	10/07/2014 1020	10/11/2014 0933
680-106200-56	CV0509X-CS12	Solid	10/07/2014 1030	10/11/2014 0933
680-106200-57	CV0509X-CS18	Solid	10/07/2014 1040	10/11/2014 0933
680-106200-58	CV0613A-CS6	Solid	10/07/2014 1300	10/11/2014 0933
680-106200-59	CV0613A-CS12	Solid	10/07/2014 1310	10/11/2014 0933
680-106200-60	CV0613A-CS18	Solid	10/07/2014 1320	10/11/2014 0933
680-106200-61	CV0613A-CS24	Solid	10/07/2014 1330	10/11/2014 0933
680-106200-62	CV0509KK-CS6	Solid	10/07/2014 1410	10/11/2014 0933

ATTACHMENT B

CASE NARRATIVE

CASE NARRATIVE
Client: Oneida Total Integrated Enterprises LLC
Project: 35th Avenue Superfund Site
Report Number: 680-106200-4

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

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

RECEIPT

The samples were received on 10/11/2014 9:33 AM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperatures of the 4 coolers at receipt time were 0.8º C, 1.8º C, 4.8º C and 5.2º C.

SEMIVOLATILE ORGANIC COMPOUNDS (GC/MS) LOW LEVEL PAH

Samples CV0753B-CS (0-4") (680-106200-51), CV0509X-CS6 (680-106200-55), CV0509X-CS12 (680-106200-56), CV0509X-CS18 (680-106200-57), CV0613A-CS6 (680-106200-58), CV0613A-CS12 (680-106200-59), CV0613A-CS18 (680-106200-60), CV0613A-CS24 (680-106200-61) and CV0509KK-CS6 (680-106200-62) 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): CV0509KK-CS6 (680-106200-62), CV0509X-CS12 (680-106200-56), CV0509X-CS18 (680-106200-57), CV0509X-CS6 (680-106200-55), CV0613A-CS12 (680-106200-59), CV0613A-CS18 (680-106200-60), CV0613A-CS24 (680-106200-61), CV0613A-CS6 (680-106200-58), CV0753B-CS (0-4") (680-106200-51).

Method(s) 8270D_LL_PAH: The following sample(s) was diluted due to the nature of the sample matrix : CV0509KK-CS6 (680-106200-62), CV0509X-CS12 (680-106200-56), CV0509X-CS18 (680-106200-57), CV0509X-CS6 (680-106200-55), CV0613A-CS6 (680-106200-58), CV0753B-CS (0-4") (680-106200-51), CV0753B-CS (0-4") (680-106200-51 MS), CV0753B-CS (0-4") (680-106200-51 MSD). As such, surrogate recoveries are below the calibration range or are not reported, and elevated reporting limits (RLs) are provided.

Method(s) 8270D_LL_PAH: The continuing calibration verification (CCV) analyzed in batch 354069 was outside the method criteria for the following analyte(s): Indeno[1,2,3-cd]pyrene and o-Terphenyl. A CCV standard at or below the reporting limit (RL) was analyzed with the affected samples and found to be acceptable. As indicated in the reference method, sample analysis may proceed; however, any detection for the affected analyte(s) is considered estimated.

Several analytes recoveries are outside criteria low for the MS and/or MSD of sample CV0753B-CS (0-4") (680-106200-51) in batch 680-354069.

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

Refer to the QC report for details.

METALS (ICP)

Samples CV0753B-CS (0-4") (680-106200-51), CV0613E-CS (0-4") (680-106200-52), CV0509Y-CS (0-4") (680-106200-53), CV0509Y-CSD (0-4") (680-106200-54), CV0509X-CS6 (680-106200-55), CV0509X-CS12 (680-106200-56), CV0509X-CS18 (680-106200-57), CV0613A-CS6 (680-106200-58), CV0613A-CS12 (680-106200-59), CV0613A-CS18 (680-106200-60), CV0613A-CS24 (680-106200-61) and CV0509KK-CS6 (680-106200-62) were analyzed for Metals (ICP) in accordance with EPA SW-846 Method 6010C.

Aluminum, Arsenic and Iron have recovery outside criteria high for the MS of sample CV0753B-CS (0-4") (680-106200-51) in batch 680-353949.

Lead recovery is outside criteria low for the MSD of sample CV0753B-CS (0-4") (680-106200-51) in batch 680-353949. Aluminum and Iron failed the recovery criteria high.

Refer to the QC report for details.

PERCENT SOLIDS/MOISTURE

Samples CV0753B-CS (0-4") (680-106200-51), CV0613E-CS (0-4") (680-106200-52), CV0509Y-CS (0-4") (680-106200-53), CV0509Y-CSD (0-4") (680-106200-54), CV0509X-CS6 (680-106200-55), CV0509X-CS12 (680-106200-56), CV0509X-CS18 (680-106200-57), CV0613A-CS6 (680-106200-58), CV0613A-CS12 (680-106200-59), CV0613A-CS18 (680-106200-60), CV0613A-CS24 (680-106200-61) and CV0509KK-CS6 (680-106200-62) were analyzed for Percent Solids/Moisture in accordance with TestAmerica SOP.

ATTACHMENT C

QUALIFIED SAMPLE RESULTS

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Savannah | Job No.: 680-106200-4

SDG No.: 680-106200-04

Client Sample ID: CV0753B-CS (0-4") | Lab Sample ID: 680-106200-51

Matrix: Solid | Lab File ID: 1YJ1713.D

Analysis Method: 8270D_LL_PAH | Date Collected: 10/07/2014 16:20

Extract. Method: 3546 | Date Extracted: 10/15/2014 14:21

Sample wt/vol: 30.01(g) | Date Analyzed: 10/17/2014 14:03

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

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

% Moisture: 12.7 | GPC Cleanup:(Y/N) N

Analysis Batch No.: 354069 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
83-32-9	Acenaphthene	77	U	77	38
208-96-8	Acenaphthylene	77	U	77	38
120-12-7	Anthracene	59	~~U~~ J	77	38
56-55-3	Benzo[a]anthracene	290	J	77	38
50-32-8	Benzo[a]pyrene	230	J	77	14
205-99-2	Benzo[b]fluoranthene	390	J	77	38
191-24-2	Benzo[g,h,i]perylene	160	J	77	38
207-08-9	Benzo[k]fluoranthene	120	J	77	23
218-01-9	Chrysene	390	J	77	38
53-70-3	Dibenz(a,h)anthracene	71	~~U~~ J	77	38
206-44-0	Fluoranthene	400	J	77	38
86-73-7	Fluorene	77	U	77	38
193-39-5	Indeno[1,2,3-cd]pyrene	110	J	77	38
90-12-0	1-Methylnaphthalene	350	J	77	36
91-57-6	2-Methylnaphthalene	250		77	38
91-20-3	Naphthalene	170		77	38
85-01-8	Phenanthrene	670	J	77	27
129-00-0	Pyrene	370	J	77	38

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.: 680-106200-4

SDG No.: 680-106200-04

Client Sample ID: CV0509X-CS6 | Lab Sample ID: 680-106200-55

Matrix: Solid | Lab File ID: 1YJ1723.D

Analysis Method: 8270D_LL_PAH | Date Collected: 10/07/2014 10:20

Extract. Method: 3546 | Date Extracted: 10/15/2014 14:21

Sample wt/vol: 30.03(g) | Date Analyzed: 10/17/2014 17:45

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

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

% Moisture: 19.4 | GPC Cleanup:(Y/N) N

Analysis Batch No.: 354069 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
83-32-9	Acenaphthene	84		83	41
208-96-8	Acenaphthylene	83	U	83	41
120-12-7	Anthracene	210		83	41
56-55-3	Benzo[a]anthracene	1100		83	41
50-32-8	Benzo[a]pyrene	1100		83	15
205-99-2	Benzo[b]fluoranthene	1600		83	41
191-24-2	Benzo[g,h,i]perylene	690		83	41
207-08-9	Benzo[k]fluoranthene	560		83	25
218-01-9	Chrysene	1200		83	41
53-70-3	Dibenz(a,h)anthracene	310		83	41
206-44-0	Fluoranthene	1900		83	41
86-73-7	Fluorene	75	J	83	41
193-39-5	Indeno[1,2,3-cd]pyrene	520	J	83	41
90-12-0	1-Methylnaphthalene	60	J	83	38
91-57-6	2-Methylnaphthalene	75	J	83	41
91-20-3	Naphthalene	63	J	83	41
85-01-8	Phenanthrene	860		83	30
129-00-0	Pyrene	1800		83	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.: 680-106200-4

SDG No.: 680-106200-04

Client Sample ID: CV0509X-CS12 | Lab Sample ID: 680-106200-56

Matrix: Solid | Lab File ID: 1YJ1724.D

Analysis Method: 8270D_LL_PAH | Date Collected: 10/07/2014 10:30

Extract. Method: 3546 | Date Extracted: 10/15/2014 14:21

Sample wt/vol: 30.03(g) | Date Analyzed: 10/17/2014 18:07

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

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

% Moisture: 10.3 | GPC Cleanup:(Y/N) N

Analysis Batch No.: 354069 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
83-32-9	Acenaphthene	53	J	75	37
208-96-8	Acenaphthylene	75	U	75	37
120-12-7	Anthracene	94		75	37
56-55-3	Benzo[a]anthracene	390		75	37
50-32-8	Benzo[a]pyrene	350		75	13
205-99-2	Benzo[b]fluoranthene	510		75	37
191-24-2	Benzo[g,h,i]perylene	290		75	37
207-08-9	Benzo[k]fluoranthene	240		75	22
218-01-9	Chrysene	400		75	37
53-70-3	Dibenz(a,h)anthracene	150		75	37
206-44-0	Fluoranthene	690		75	37
86-73-7	Fluorene	48	J	75	37
193-39-5	Indeno[1,2,3-cd]pyrene	190	J	75	37
90-12-0	1-Methylnaphthalene	75	U	75	35
91-57-6	2-Methylnaphthalene	40	J	75	37
91-20-3	Naphthalene	75	U	75	37
85-01-8	Phenanthrene	420		75	27
129-00-0	Pyrene	620		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.: 680-106200-4

SDG No.: 680-106200-04

Client Sample ID: CV0509X-CS18 | Lab Sample ID: 680-106200-57

Matrix: Solid | Lab File ID: 1YJ1725.D

Analysis Method: 8270D_LL_PAH | Date Collected: 10/07/2014 10:40

Extract. Method: 3546 | Date Extracted: 10/15/2014 14:21

Sample wt/vol: 30.01(g) | Date Analyzed: 10/17/2014 18:29

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

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

% Moisture: 11.4 | GPC Cleanup:(Y/N) N

Analysis Batch No.: 354069 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
83-32-9	Acenaphthene	7.6	U	7.6	3.7
208-96-8	Acenaphthylene	7.6	U	7.6	3.7
120-12-7	Anthracene	7.6	U	7.6	3.7
56-55-3	Benzo[a]anthracene	7.0	J	7.6	3.7
50-32-8	Benzo[a]pyrene	7.6	U	7.6	1.4
205-99-2	Benzo[b]fluoranthene	12		7.6	3.7
191-24-2	Benzo[g,h,i]perylene	6.3	J	7.6	3.7
207-08-9	Benzo[k]fluoranthene	4.7	J	7.6	2.3
218-01-9	Chrysene	9.8		7.6	3.7
53-70-3	Dibenz(a,h)anthracene	7.6	U	7.6	3.7
206-44-0	Fluoranthene	12		7.6	3.7
86-73-7	Fluorene	7.6	U	7.6	3.7
193-39-5	Indeno[1,2,3-cd]pyrene	4.8	~~J~~ J	7.6	3.7
90-12-0	1-Methylnaphthalene	7.6	U	7.6	3.5
91-57-6	2-Methylnaphthalene	7.6	U	7.6	3.7
91-20-3	Naphthalene	7.6	U	7.6	3.7
85-01-8	Phenanthrene	6.3	J	7.6	2.7
129-00-0	Pyrene	13		7.6	3.7

CAS NO.	SURROGATE	%REC	Q	LIMITS
84-15-1	o-Terphenyl	91		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.: 680-106200-4

SDG No.: 680-106200-04

Client Sample ID: CV0613A-CS6 | Lab Sample ID: 680-106200-58

Matrix: Solid | Lab File ID: 1YJ1726.D

Analysis Method: 8270D_LL_PAH | Date Collected: 10/07/2014 13:00

Extract. Method: 3546 | Date Extracted: 10/15/2014 14:21

Sample wt/vol: 30.02(g) | Date Analyzed: 10/17/2014 18:52

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

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

% Moisture: 7.0 | GPC Cleanup:(Y/N) N

Analysis Batch No.: 354069 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
83-32-9	Acenaphthene	72	U	72	35
208-96-8	Acenaphthylene	49	J	72	35
120-12-7	Anthracene	92		72	35
56-55-3	Benzo[a]anthracene	380		72	35
50-32-8	Benzo[a]pyrene	440		72	13
205-99-2	Benzo[b]fluoranthene	850		72	35
191-24-2	Benzo[g,h,i]perylene	320		72	35
207-08-9	Benzo[k]fluoranthene	250		72	21
218-01-9	Chrysene	490		72	35
53-70-3	Dibenz(a,h)anthracene	180		72	35
206-44-0	Fluoranthene	510		72	35
86-73-7	Fluorene	72	U	72	35
193-39-5	Indeno[1,2,3-cd]pyrene	220	J	72	35
90-12-0	1-Methylnaphthalene	40	J	72	33
91-57-6	2-Methylnaphthalene	54	J	72	35
91-20-3	Naphthalene	54	J	72	35
85-01-8	Phenanthrene	250		72	26
129-00-0	Pyrene	600		72	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.: 680-106200-4

SDG No.: 680-106200-04

Client Sample ID: CV0613A-CS12 | Lab Sample ID: 680-106200-59

Matrix: Solid | Lab File ID: 1YJ1727.D

Analysis Method: 8270D_LL_PAH | Date Collected: 10/07/2014 13:10

Extract. Method: 3546 | Date Extracted: 10/15/2014 14:21

Sample wt/vol: 30.04(g) | Date Analyzed: 10/17/2014 19:14

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

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

% Moisture: 7.7 | GPC Cleanup:(Y/N) N

Analysis Batch No.: 354069 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
83-32-9	Acenaphthene	22		7.2	3.6
208-96-8	Acenaphthylene	7.2	U	7.2	3.6
120-12-7	Anthracene	44		7.2	3.6
56-55-3	Benzo[a]anthracene	120		7.2	3.6
50-32-8	Benzo[a]pyrene	110		7.2	1.3
205-99-2	Benzo[b]fluoranthene	150		7.2	3.6
191-24-2	Benzo[g,h,i]perylene	79		7.2	3.6
207-08-9	Benzo[k]fluoranthene	67		7.2	2.2
218-01-9	Chrysene	130		7.2	3.6
53-70-3	Dibenz(a,h)anthracene	34		7.2	3.6
206-44-0	Fluoranthene	230		7.2	3.6
86-73-7	Fluorene	21		7.2	3.6
193-39-5	Indeno[1,2,3-cd]pyrene	57	J	7.2	3.6
90-12-0	1-Methylnaphthalene	20		7.2	3.4
91-57-6	2-Methylnaphthalene	21		7.2	3.6
91-20-3	Naphthalene	27		7.2	3.6
85-01-8	Phenanthrene	190		7.2	2.6
129-00-0	Pyrene	220		7.2	3.6

CAS NO.	SURROGATE	%REC	Q	LIMITS
84-15-1	o-Terphenyl	92		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.: 680-106200-4

SDG No.: 680-106200-04

Client Sample ID: CV0613A-CS18 | Lab Sample ID: 680-106200-60

Matrix: Solid | Lab File ID: 1YJ1728.D

Analysis Method: 8270D_LL_PAH | Date Collected: 10/07/2014 13:20

Extract. Method: 3546 | Date Extracted: 10/15/2014 14:21

Sample wt/vol: 30.01(g) | Date Analyzed: 10/17/2014 19:36

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

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

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

Analysis Batch No.: 354069 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
83-32-9	Acenaphthene	7.5	U	7.5	3.7
208-96-8	Acenaphthylene	7.5	U	7.5	3.7
120-12-7	Anthracene	3.8	J	7.5	3.7
56-55-3	Benzo[a]anthracene	28		7.5	3.7
50-32-8	Benzo[a]pyrene	29		7.5	1.3
205-99-2	Benzo[b]fluoranthene	49		7.5	3.7
191-24-2	Benzo[g,h,i]perylene	27		7.5	3.7
207-08-9	Benzo[k]fluoranthene	16		7.5	2.2
218-01-9	Chrysene	37		7.5	3.7
53-70-3	Dibenz(a,h)anthracene	9.6		7.5	3.7
206-44-0	Fluoranthene	45		7.5	3.7
86-73-7	Fluorene	7.5	U	7.5	3.7
193-39-5	Indeno[1,2,3-cd]pyrene	17	J	7.5	3.7
90-12-0	1-Methylnaphthalene	4.7	J	7.5	3.5
91-57-6	2-Methylnaphthalene	5.5	J	7.5	3.7
91-20-3	Naphthalene	4.5	J	7.5	3.7
85-01-8	Phenanthrene	22		7.5	2.7
129-00-0	Pyrene	49		7.5	3.7

CAS NO.	SURROGATE	%REC	Q	LIMITS
84-15-1	o-Terphenyl	103		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.: 680-106200-4

SDG No.: 680-106200-04

Client Sample ID: CV0613A-CS24 | Lab Sample ID: 680-106200-61

Matrix: Solid | Lab File ID: 1YJ1729.D

Analysis Method: 8270D_LL_PAH | Date Collected: 10/07/2014 13:30

Extract. Method: 3546 | Date Extracted: 10/15/2014 14:21

Sample wt/vol: 30.01(g) | Date Analyzed: 10/17/2014 19:58

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

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

% Moisture: 12.8 | GPC Cleanup:(Y/N) N

Analysis Batch No.: 354069 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
83-32-9	Acenaphthene	7.7	U	7.7	3.8
208-96-8	Acenaphthylene	7.7	U	7.7	3.8
120-12-7	Anthracene	7.7	U	7.7	3.8
56-55-3	Benzo[a]anthracene	7.7	U	7.7	3.8
50-32-8	Benzo[a]pyrene	3.7	J	7.7	1.4
205-99-2	Benzo[b]fluoranthene	5.7	J	7.7	3.8
191-24-2	Benzo[g,h,i]perylene	3.8	J	7.7	3.8
207-08-9	Benzo[k]fluoranthene	2.9	J	7.7	2.3
218-01-9	Chrysene	4.2	J	7.7	3.8
53-70-3	Dibenz(a,h)anthracene	7.7	U	7.7	3.8
206-44-0	Fluoranthene	7.7	U	7.7	3.8
86-73-7	Fluorene	7.7	U	7.7	3.8
193-39-5	Indeno[1,2,3-cd]pyrene	7.7	~~U~~ UJ	7.7	3.8
90-12-0	1-Methylnaphthalene	7.7	U	7.7	3.6
91-57-6	2-Methylnaphthalene	7.7	U	7.7	3.8
91-20-3	Naphthalene	7.7	U	7.7	3.8
85-01-8	Phenanthrene	7.7	U	7.7	2.8
129-00-0	Pyrene	4.3	J	7.7	3.8

CAS NO.	SURROGATE	%REC	Q	LIMITS
84-15-1	o-Terphenyl	102		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.: 680-106200-4

SDG No.: 680-106200-04

Client Sample ID: CV0509KK-CS6 | Lab Sample ID: 680-106200-62

Matrix: Solid | Lab File ID: 1YJ1730.D

Analysis Method: 8270D_LL_PAH | Date Collected: 10/07/2014 14:10

Extract. Method: 3546 | Date Extracted: 10/15/2014 14:21

Sample wt/vol: 30.02(g) | Date Analyzed: 10/17/2014 20:20

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

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

% Moisture: 5.2 | GPC Cleanup:(Y/N) N

Analysis Batch No.: 354069 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
83-32-9	Acenaphthene	49	J	71	35
208-96-8	Acenaphthylene	71	U	71	35
120-12-7	Anthracene	120		71	35
56-55-3	Benzo[a]anthracene	450		71	35
50-32-8	Benzo[a]pyrene	430		71	13
205-99-2	Benzo[b]fluoranthene	660		71	35
191-24-2	Benzo[g,h,i]perylene	310		71	35
207-08-9	Benzo[k]fluoranthene	210		71	21
218-01-9	Chrysene	460		71	35
53-70-3	Dibenz(a,h)anthracene	170		71	35
206-44-0	Fluoranthene	740		71	35
86-73-7	Fluorene	48	J	71	35
193-39-5	Indeno[1,2,3-cd]pyrene	220	J	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	470		71	25
129-00-0	Pyrene	740		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)

ANALYTICAL REPORT

Job Number: 680-106200-4

SDG Number: 680-106200-04

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
10/21/2014 5:49 PM

Lisa M Harvey, Project Manager II
5102 LaRoche Avenue, Savannah, GA, 31404
(912)354-7858 e.3221
lisa.harvey@testamericainc.com
10/21/2014

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

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

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CASE NARRATIVE
Client: Oneida Total Integrated Enterprises LLC
Project: 35th Avenue Superfund Site
Report Number: 680-106200-4

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

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

RECEIPT

The samples were received on 10/11/2014 9:33 AM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperatures of the 4 coolers at receipt time were 0.8º C, 1.8º C, 4.8º C and 5.2º C.

SEMIVOLATILE ORGANIC COMPOUNDS (GC/MS) LOW LEVEL PAH

Samples CV0753B-CS (0-4") (680-106200-51), CV0509X-CS6 (680-106200-55), CV0509X-CS12 (680-106200-56), CV0509X-CS18 (680-106200-57), CV0613A-CS6 (680-106200-58), CV0613A-CS12 (680-106200-59), CV0613A-CS18 (680-106200-60), CV0613A-CS24 (680-106200-61) and CV0509KK-CS6 (680-106200-62) 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): CV0509KK-CS6 (680-106200-62), CV0509X-CS12 (680-106200-56), CV0509X-CS18 (680-106200-57), CV0509X-CS6 (680-106200-55), CV0613A-CS12 (680-106200-59), CV0613A-CS18 (680-106200-60), CV0613A-CS24 (680-106200-61), CV0613A-CS6 (680-106200-58), CV0753B-CS (0-4") (680-106200-51).

Method(s) 8270D_LL_PAH: The following sample(s) was diluted due to the nature of the sample matrix : CV0509KK-CS6 (680-106200-62), CV0509X-CS12 (680-106200-56), CV0509X-CS18 (680-106200-57), CV0509X-CS6 (680-106200-55), CV0613A-CS6 (680-106200-58), CV0753B-CS (0-4") (680-106200-51), CV0753B-CS (0-4") (680-106200-51 MS), CV0753B-CS (0-4") (680-106200-51 MSD). As such, surrogate recoveries are below the calibration range or are not reported, and elevated reporting limits (RLs) are provided.

Method(s) 8270D_LL_PAH: The continuing calibration verification (CCV) analyzed in batch 354069 was outside the method criteria for the following analyte(s): Indeno[1,2,3-cd]pyrene and o-Terphenyl. A CCV standard at or below the reporting limit (RL) was analyzed with the affected samples and found to be acceptable. As indicated in the reference method, sample analysis may proceed; however, any detection for the affected analyte(s) is considered estimated.

Several analytes recoveries are outside criteria low for the MS and/or MSD of sample CV0753B-CS (0-4") (680-106200-51) in batch 680-354069.

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

Refer to the QC report for details.

METALS (ICP)

Samples CV0753B-CS (0-4") (680-106200-51), CV0613E-CS (0-4") (680-106200-52), CV0509Y-CS (0-4") (680-106200-53), CV0509Y-CSD (0-4") (680-106200-54), CV0509X-CS6 (680-106200-55), CV0509X-CS12 (680-106200-56), CV0509X-CS18 (680-106200-57), CV0613A-CS6 (680-106200-58), CV0613A-CS12 (680-106200-59), CV0613A-CS18 (680-106200-60), CV0613A-CS24 (680-106200-61) and CV0509KK-CS6 (680-106200-62) were analyzed for Metals (ICP) in accordance with EPA SW-846 Method 6010C.

Aluminum, Arsenic and Iron have recovery outside criteria high for the MS of sample CV0753B-CS (0-4") (680-106200-51) in batch 680-353949.

Lead recovery is outside criteria low for the MSD of sample CV0753B-CS (0-4") (680-106200-51) in batch 680-353949. Aluminum and Iron failed the recovery criteria high.

Refer to the QC report for details.

PERCENT SOLIDS/MOISTURE

Samples CV0753B-CS (0-4") (680-106200-51), CV0613E-CS (0-4") (680-106200-52), CV0509Y-CS (0-4") (680-106200-53), CV0509Y-CSD (0-4") (680-106200-54), CV0509X-CS6 (680-106200-55), CV0509X-CS12 (680-106200-56), CV0509X-CS18 (680-106200-57), CV0613A-CS6 (680-106200-58), CV0613A-CS12 (680-106200-59), CV0613A-CS18 (680-106200-60), CV0613A-CS24 (680-106200-61) and CV0509KK-CS6 (680-106200-62) were analyzed for Percent Solids/Moisture in accordance with TestAmerica SOP.

SAMPLE SUMMARY

Client: Oneida Total Integrated Enterprises LLC

Job Number: 680-106200-4
Sdg Number: 680-106200-04

Lab Sample ID	Client Sample ID	Client Matrix	Date/Time Sampled	Date/Time Received
680-106200-51	CV0753B-CS (0-4")	Solid	10/07/2014 1620	10/11/2014 0933
680-106200-51MS	CV0753B-CS (0-4")	Solid	10/07/2014 1620	10/11/2014 0933
680-106200-51MSD	CV0753B-CS (0-4")	Solid	10/07/2014 1620	10/11/2014 0933
680-106200-52	CV0613E-CS (0-4")	Solid	10/07/2014 1540	10/11/2014 0933
680-106200-53	CV0509Y-CS (0-4")	Solid	10/07/2014 1130	10/11/2014 0933
680-106200-54	CV0509Y-CSD (0-4")	Solid	10/07/2014 1130	10/11/2014 0933
680-106200-55	CV0509X-CS6	Solid	10/07/2014 1020	10/11/2014 0933
680-106200-56	CV0509X-CS12	Solid	10/07/2014 1030	10/11/2014 0933
680-106200-57	CV0509X-CS18	Solid	10/07/2014 1040	10/11/2014 0933
680-106200-58	CV0613A-CS6	Solid	10/07/2014 1300	10/11/2014 0933
680-106200-59	CV0613A-CS12	Solid	10/07/2014 1310	10/11/2014 0933
680-106200-60	CV0613A-CS18	Solid	10/07/2014 1320	10/11/2014 0933
680-106200-61	CV0613A-CS24	Solid	10/07/2014 1330	10/11/2014 0933
680-106200-62	CV0509KK-CS6	Solid	10/07/2014 1410	10/11/2014 0933

METHOD SUMMARY

Client: Oneida Total Integrated Enterprises LLC

Job Number: 680-106200-4
Sdg Number: 680-106200-04

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: 680-106200-4
Sdg Number: 680-106200-04

Method	Analyst	Analyst ID
SW846 8270D_LL_PAH	Webb, Kevin M	KMW
SW846 6010C	Bland, Brian C	BCB
EPA Moisture	Kicklighter, Marilyn D	MDK

DATA REPORTING QUALIFIERS

Client: Oneida Total Integrated Enterprises LLC

Job Number: 680-106200-4
Sdg Number: 680-106200-04

Lab Section	Qualifier	Description
GC/MS Semi VOA		
	U	Indicates the analyte was analyzed for but not detected.
	F1	MS and/or MSD Recovery exceeds the control limits
	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.
Metals		
	U	Indicates the analyte was analyzed for but not detected.
	F1	MS and/or MSD Recovery exceeds the control limits
	4	MS, MSD: The analyte present in the original sample is greater than 4 times the matrix spike concentration; therefore, control limits are not applicable.
	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: 680-106200-4
Sdg Number: 680-106200-04

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
GC/MS Semi VOA					
Prep Batch: 680-353671					
LCS 680-353671/20-A	Lab Control Sample	T	Solid	3546	
LCSD 680-353671/23-A	Lab Control Sample Duplicate	T	Solid	3546	
MB 680-353671/19-A	Method Blank	T	Solid	3546	
680-106200-51	CV0753B-CS (0-4")	T	Solid	3546	
680-106200-51MS	Matrix Spike	T	Solid	3546	
680-106200-51MSD	Matrix Spike Duplicate	T	Solid	3546	
680-106200-55	CV0509X-CS6	T	Solid	3546	
680-106200-56	CV0509X-CS12	T	Solid	3546	
680-106200-57	CV0509X-CS18	T	Solid	3546	
680-106200-58	CV0613A-CS6	T	Solid	3546	
680-106200-59	CV0613A-CS12	T	Solid	3546	
680-106200-60	CV0613A-CS18	T	Solid	3546	
680-106200-61	CV0613A-CS24	T	Solid	3546	
680-106200-62	CV0509KK-CS6	T	Solid	3546	
Analysis Batch:680-354069					
LCS 680-353671/20-A	Lab Control Sample	T	Solid	8270D_LL_PAH	680-353671
LCSD 680-353671/23-A	Lab Control Sample Duplicate	T	Solid	8270D_LL_PAH	680-353671
MB 680-353671/19-A	Method Blank	T	Solid	8270D_LL_PAH	680-353671
680-106200-51	CV0753B-CS (0-4")	T	Solid	8270D_LL_PAH	680-353671
680-106200-51MS	Matrix Spike	T	Solid	8270D_LL_PAH	680-353671
680-106200-51MSD	Matrix Spike Duplicate	T	Solid	8270D_LL_PAH	680-353671
680-106200-55	CV0509X-CS6	T	Solid	8270D_LL_PAH	680-353671
680-106200-56	CV0509X-CS12	T	Solid	8270D_LL_PAH	680-353671
680-106200-57	CV0509X-CS18	T	Solid	8270D_LL_PAH	680-353671
680-106200-58	CV0613A-CS6	T	Solid	8270D_LL_PAH	680-353671
680-106200-59	CV0613A-CS12	T	Solid	8270D_LL_PAH	680-353671
680-106200-60	CV0613A-CS18	T	Solid	8270D_LL_PAH	680-353671
680-106200-61	CV0613A-CS24	T	Solid	8270D_LL_PAH	680-353671
680-106200-62	CV0509KK-CS6	T	Solid	8270D_LL_PAH	680-353671

Report Basis
T = Total

Client: Oneida Total Integrated Enterprises LLC

Job Number: 680-106200-4
Sdg Number: 680-106200-04

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
Metals					
Prep Batch: 680-353249					
LCS 680-353249/2-A	Lab Control Sample	T	Solid	3050B	
MB 680-353249/1-A	Method Blank	T	Solid	3050B	
640-49420-A-9-B MS	Matrix Spike	T	Solid	3050B	
640-49420-A-9-C MSD	Matrix Spike Duplicate	T	Solid	3050B	
680-106200-52	CV0613E-CS (0-4")	T	Solid	3050B	
680-106200-54	CV0509Y-CSD (0-4")	T	Solid	3050B	
680-106200-56	CV0509X-CS12	T	Solid	3050B	
680-106200-61	CV0613A-CS24	T	Solid	3050B	
Prep Batch: 680-353262					
LCS 680-353262/2-A	Lab Control Sample	T	Solid	3050B	
MB 680-353262/1-A	Method Blank	T	Solid	3050B	
680-106200-51	CV0753B-CS (0-4")	T	Solid	3050B	
680-106200-51MS	Matrix Spike	T	Solid	3050B	
680-106200-51MSD	Matrix Spike Duplicate	T	Solid	3050B	
680-106200-53	CV0509Y-CS (0-4")	T	Solid	3050B	
680-106200-55	CV0509X-CS6	T	Solid	3050B	
680-106200-57	CV0509X-CS18	T	Solid	3050B	
680-106200-58	CV0613A-CS6	T	Solid	3050B	
680-106200-59	CV0613A-CS12	T	Solid	3050B	
680-106200-60	CV0613A-CS18	T	Solid	3050B	
680-106200-62	CV0509KK-CS6	T	Solid	3050B	
Analysis Batch:680-353429					
LCS 680-353249/2-A	Lab Control Sample	T	Solid	6010C	680-353249
MB 680-353249/1-A	Method Blank	T	Solid	6010C	680-353249
640-49420-A-9-B MS	Matrix Spike	T	Solid	6010C	680-353249
640-49420-A-9-C MSD	Matrix Spike Duplicate	T	Solid	6010C	680-353249
680-106200-52	CV0613E-CS (0-4")	T	Solid	6010C	680-353249
680-106200-54	CV0509Y-CSD (0-4")	T	Solid	6010C	680-353249
680-106200-56	CV0509X-CS12	T	Solid	6010C	680-353249
680-106200-61	CV0613A-CS24	T	Solid	6010C	680-353249
Analysis Batch:680-353783					
680-106200-54	CV0509Y-CSD (0-4")	T	Solid	6010C	680-353249

Client: Oneida Total Integrated Enterprises LLC

Job Number: 680-106200-4
Sdg Number: 680-106200-04

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
Metals					
Analysis Batch:680-353949					
LCS 680-353262/2-A	Lab Control Sample	T	Solid	6010C	680-353262
MB 680-353262/1-A	Method Blank	T	Solid	6010C	680-353262
680-106200-51	CV0753B-CS (0-4")	T	Solid	6010C	680-353262
680-106200-51MS	Matrix Spike	T	Solid	6010C	680-353262
680-106200-51MSD	Matrix Spike Duplicate	T	Solid	6010C	680-353262
680-106200-53	CV0509Y-CS (0-4")	T	Solid	6010C	680-353262
680-106200-55	CV0509X-CS6	T	Solid	6010C	680-353262
680-106200-57	CV0509X-CS18	T	Solid	6010C	680-353262
680-106200-58	CV0613A-CS6	T	Solid	6010C	680-353262
680-106200-59	CV0613A-CS12	T	Solid	6010C	680-353262
680-106200-60	CV0613A-CS18	T	Solid	6010C	680-353262
680-106200-62	CV0509KK-CS6	T	Solid	6010C	680-353262

Report Basis
T = Total

General Chemistry				
Analysis Batch:680-353217				
680-106200-51	CV0753B-CS (0-4")	T	Solid	Moisture
680-106200-51MS	Matrix Spike	T	Solid	Moisture
680-106200-51MSD	Matrix Spike Duplicate	T	Solid	Moisture
680-106200-52	CV0613E-CS (0-4")	T	Solid	Moisture
680-106200-53	CV0509Y-CS (0-4")	T	Solid	Moisture
680-106200-54	CV0509Y-CSD (0-4")	T	Solid	Moisture
680-106200-55	CV0509X-CS6	T	Solid	Moisture
680-106200-56	CV0509X-CS12	T	Solid	Moisture
680-106200-57	CV0509X-CS18	T	Solid	Moisture
680-106200-58	CV0613A-CS6	T	Solid	Moisture
680-106200-59	CV0613A-CS12	T	Solid	Moisture
680-106200-60	CV0613A-CS18	T	Solid	Moisture
680-106200-61	CV0613A-CS24	T	Solid	Moisture
680-106200-62	CV0509KK-CS6	T	Solid	Moisture

Report Basis
T = Total

GC/MS SEMI VOA MANUAL INTEGRATION SUMMARY

Lab Name: TestAmerica Savannah Job No.: 680-106200-4

SDG No.: 680-106200-04

Instrument ID: CMSY Analysis Batch Number: 354069

Lab Sample ID: 680-106200-51 Client Sample ID: CV0753B-CS (0-4")

Date Analyzed: 10/17/14 14:03 Lab File ID: 1YJ1713.D GC Column: RXi- 5Sil MS ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Benzo[k]fluoranthene	9.93	Split Peak	webbk	10/17/14 14:42

Lab Sample ID: 680-106200-55 Client Sample ID: CV0509X-CS6

Date Analyzed: 10/17/14 17:45 Lab File ID: 1YJ1723.D GC Column: RXi- 5Sil MS ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Benzo[k]fluoranthene	9.94	Split Peak	webbk	10/20/14 09:08

Lab Sample ID: 680-106200-56 Client Sample ID: CV0509X-CS12

Date Analyzed: 10/17/14 18:07 Lab File ID: 1YJ1724.D GC Column: RXi- 5Sil MS ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Benzo[b]fluoranthene	9.91	Split Peak	webbk	10/20/14 09:09
Benzo[k]fluoranthene	9.93	Split Peak	webbk	10/20/14 09:09

Lab Sample ID: 680-106200-57 Client Sample ID: CV0509X-CS18

Date Analyzed: 10/17/14 18:29 Lab File ID: 1YJ1725.D GC Column: RXi- 5Sil MS ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Benzo[k]fluoranthene	9.93	Split Peak	webbk	10/20/14 09:11

Lab Sample ID: 680-106200-58 Client Sample ID: CV0613A-CS6

Date Analyzed: 10/17/14 18:52 Lab File ID: 1YJ1726.D GC Column: RXi- 5Sil MS ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Benzo[k]fluoranthene	9.94	Split Peak	webbk	10/20/14 09:11

GC/MS SEMI VOA MANUAL INTEGRATION SUMMARY

Lab Name: TestAmerica Savannah Job No.: 680-106200-4

SDG No.: 680-106200-04

Instrument ID: CMSY Analysis Batch Number: 354069

Lab Sample ID: 680-106200-59 Client Sample ID: CV0613A-CS12

Date Analyzed: 10/17/14 19:14 Lab File ID: 1YJ1727.D GC Column: RXi- 5Sil MS ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Benzo[k]fluoranthene	9.94	Split Peak	webbk	10/20/14 09:13

Lab Sample ID: 680-106200-60 Client Sample ID: CV0613A-CS18

Date Analyzed: 10/17/14 19:36 Lab File ID: 1YJ1728.D GC Column: RXi- 5Sil MS ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Benzo[k]fluoranthene	9.94	Split Peak	webbk	10/20/14 09:16

Lab Sample ID: 680-106200-61 Client Sample ID: CV0613A-CS24

Date Analyzed: 10/17/14 19:58 Lab File ID: 1YJ1729.D GC Column: RXi- 5Sil MS ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Benzo[k]fluoranthene	9.93	Split Peak	webbk	10/20/14 09:16

Lab Sample ID: 680-106200-62 Client Sample ID: CV0509KK-CS6

Date Analyzed: 10/17/14 20:20 Lab File ID: 1YJ1730.D GC Column: RXi- 5Sil MS ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Benzo[k]fluoranthene	9.94	Split Peak	webbk	10/20/14 09:18

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.: 680-106200-4

SDG No.: 680-106200-04

Matrix: Solid Level: Low

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

Client Sample ID	Lab Sample ID	OTPH	#
CV0753B-CS (0-4")	680-106200-51	0	D
CV0509X-CS6	680-106200-55	0	D
CV0509X-CS12	680-106200-56	0	D
CV0509X-CS18	680-106200-57	91	
CV0613A-CS6	680-106200-58	0	D
CV0613A-CS12	680-106200-59	92	
CV0613A-CS18	680-106200-60	103	
CV0613A-CS24	680-106200-61	102	
CV0509KK-CS6	680-106200-62	0	D
	MB 680-353671/19-A	107	
	LCS 680-353671/20-A	83	
	LCSD 680-353671/23-A	82	
CV0753B-CS (0-4") MS	680-106200-51 MS	0	D
CV0753B-CS (0-4") MSD	680-106200-51 MSD	0	D

	QC LIMITS
OTPH = o-Terphenyl	36-131

Column to be used to flag recovery values

FORM II 8270D_LL_PAH

FORM III
GC/MS SEMI VOA LAB CONTROL SAMPLE RECOVERY

Lab Name: TestAmerica Savannah Job No.: 680-106200-4

SDG No.: 680-106200-04

Matrix: Solid Level: Low Lab File ID: 1YJ1706.D

Lab ID: LCS 680-353671/20-A Client ID:

COMPOUND	SPIKE ADDED (ug/Kg)	LCS CONCENTRATION (ug/Kg)	LCS % REC	QC LIMITS REC	#
Acenaphthene	333	226	68	33-130	
Acenaphthylene	333	221	67	37-131	
Anthracene	333	243	73	42-146	
Benzo[a]anthracene	333	255	77	39-157	
Benzo[a]pyrene	333	261	79	41-158	
Benzo[b]fluoranthene	333	275	83	35-152	
Benzo[g,h,i]perylene	333	232	70	32-150	
Benzo[k]fluoranthene	333	257	77	38-148	
Chrysene	333	274	82	38-147	
Dibenz(a,h)anthracene	333	251	75	32-155	
Fluoranthene	333	253	76	36-147	
Fluorene	333	233	70	36-138	
Indeno[1,2,3-cd]pyrene	333	223	67	35-148	
1-Methylnaphthalene	333	236	71	36-130	
2-Methylnaphthalene	333	232	70	42-130	
Naphthalene	333	225	68	33-130	
Phenanthrene	333	238	71	40-135	
Pyrene	333	252	76	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.: 680-106200-4

SDG No.: 680-106200-04

Matrix: Solid Level: Low Lab File ID: 1YJ1707.D

Lab ID: LCSD 680-353671/23-A Client ID:

COMPOUND	SPIKE ADDED (ug/Kg)	LCSD CONCENTRATION (ug/Kg)	LCSD % REC	% RPD	QC LIMITS RPD	QC LIMITS REC	#
Acenaphthene	333	224	67	1	50	33-130	
Acenaphthylene	333	220	66	1	50	37-131	
Anthracene	333	242	73	1	50	42-146	
Benzo[a]anthracene	333	260	78	2	50	39-157	
Benzo[a]pyrene	333	256	77	2	50	41-158	
Benzo[b]fluoranthene	333	259	78	6	50	35-152	
Benzo[g,h,i]perylene	333	236	71	2	50	32-150	
Benzo[k]fluoranthene	333	271	81	5	50	38-148	
Chrysene	333	262	79	4	50	38-147	
Dibenz(a,h)anthracene	333	247	74	2	50	32-155	
Fluoranthene	333	252	76	0	50	36-147	
Fluorene	333	224	67	4	50	36-138	
Indeno[1,2,3-cd]pyrene	333	201	60	10	50	35-148	
1-Methylnaphthalene	333	217	65	9	50	36-130	
2-Methylnaphthalene	333	218	65	6	50	42-130	
Naphthalene	333	214	64	5	50	33-130	
Phenanthrene	333	235	70	1	50	40-135	
Pyrene	333	248	74	2	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.: 680-106200-4

SDG No.: 680-106200-04

Matrix: Solid Level: Low Lab File ID: 1YJ1710.D

Lab ID: 680-106200-51 MS Client ID: CV0753B-CS (0-4") MS

COMPOUND	SPIKE ADDED (ug/Kg)	SAMPLE CONCENTRATION (ug/Kg)	MS CONCENTRATION (ug/Kg)	MS % REC	QC LIMITS REC	#
Acenaphthene	382	77 U	212	56	33-130	
Acenaphthylene	382	77 U	183	48	37-131	
Anthracene	382	59 J	193	35	42-146	F1
Benzo[a]anthracene	382	290	307	6	39-157	F1
Benzo[a]pyrene	382	230	267	10	41-158	F1
Benzo[b]fluoranthene	382	390	373	-6	35-152	F1
Benzo[g,h,i]perylene	382	160	192	9	32-150	F1
Benzo[k]fluoranthene	382	120	253	36	38-148	F1
Chrysene	382	390	415	6	38-147	F1
Dibenz(a,h)anthracene	382	71 J	164	25	32-155	F1
Fluoranthene	382	400	378	-6	36-147	F1
Fluorene	382	77 U	205	54	36-138	
Indeno[1,2,3-cd]pyrene	382	110	157	12	35-148	F1
1-Methylnaphthalene	382	350	472	33	36-130	F1
2-Methylnaphthalene	382	250	518	70	42-130	
Naphthalene	382	170	451	73	33-130	
Phenanthrene	382	670	445	-59	40-135	F1
Pyrene	382	370	401	7	38-145	F1

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.: 680-106200-4

SDG No.: 680-106200-04

Matrix: Solid Level: Low Lab File ID: 1YJ1711.D

Lab ID: 680-106200-51 MSD Client ID: CV0753B-CS (0-4") MSD

COMPOUND	SPIKE ADDED (ug/Kg)	MSD CONCENTRATION (ug/Kg)	MSD % REC	% RPD	QC LIMITS RPD	QC LIMITS REC	#
Acenaphthene	381	189	49	12	50	33-130	
Acenaphthylene	381	175	46	4	50	37-131	
Anthracene	381	187	34	3	50	42-146	F1
Benzo[a]anthracene	381	339	14	10	50	39-157	F1
Benzo[a]pyrene	381	251	6	6	50	41-158	F1
Benzo[b]fluoranthene	381	410	4	9	50	35-152	F1
Benzo[g,h,i]perylene	381	187	8	2	50	32-150	F1
Benzo[k]fluoranthene	381	203	23	22	50	38-148	F1
Chrysene	381	382	-3	8	50	38-147	F1
Dibenz(a,h)anthracene	381	160	23	3	50	32-155	F1
Fluoranthene	381	446	12	17	50	36-147	F1
Fluorene	381	182	48	12	50	36-138	
Indeno[1,2,3-cd]pyrene	381	154	11	2	50	35-148	F1
1-Methylnaphthalene	381	372	7	24	50	36-130	F1
2-Methylnaphthalene	381	382	34	30	50	42-130	F1
Naphthalene	381	359	49	23	50	33-130	
Phenanthrene	381	484	-49	8	50	40-135	F1
Pyrene	381	456	22	13	50	38-145	F1

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.: 680-106200-4

SDG No.: 680-106200-04

Lab File ID: 1YJ1705.D Lab Sample ID: MB 680-353671/19-A

Matrix: Solid Date Extracted: 10/15/2014 14:21

Instrument ID: CMSY Date Analyzed: 10/17/2014 11:06

Level:(Low/Med) Low

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES:

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
	LCS 680-353671/20-A	1YJ1706.D	10/17/2014 11:28
	LCSD 680-353671/23-A	1YJ1707.D	10/17/2014 11:50
CV0753B-CS (0-4") MS	680-106200-51 MS	1YJ1710.D	10/17/2014 12:57
CV0753B-CS (0-4") MSD	680-106200-51 MSD	1YJ1711.D	10/17/2014 13:19
CV0753B-CS (0-4")	680-106200-51	1YJ1713.D	10/17/2014 14:03
CV0509X-CS6	680-106200-55	1YJ1723.D	10/17/2014 17:45
CV0509X-CS12	680-106200-56	1YJ1724.D	10/17/2014 18:07
CV0509X-CS18	680-106200-57	1YJ1725.D	10/17/2014 18:29
CV0613A-CS6	680-106200-58	1YJ1726.D	10/17/2014 18:52
CV0613A-CS12	680-106200-59	1YJ1727.D	10/17/2014 19:14
CV0613A-CS18	680-106200-60	1YJ1728.D	10/17/2014 19:36
CV0613A-CS24	680-106200-61	1YJ1729.D	10/17/2014 19:58
CV0509KK-CS6	680-106200-62	1YJ1730.D	10/17/2014 20:20

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

Lab Name: TestAmerica Savannah Job No.: 680-106200-4

SDG No.: 680-106200-04

Lab File ID: 3YJ0701.D DFTPP Injection Date: 10/07/2014

Instrument ID: CMSY DFTPP Injection Time: 13:30

Analysis Batch No.: 352391

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
51	10.0 - 80.0 % of mass 442	20.6	
68	Less than 2.0 % of mass 69	0.5	(1.8)1
69	Mass 69 relative abundance	27.3	
70	Less than 2.0 % of mass 69	0.0	(0.0)1
127	10.0 - 80.0 % of mass 442	40.3	
197	Less than 2.0 % of mass 198	0.6	(0.7)2
198	Greater than 50.0 % of mass 442	83.3	
199	5.0 - 9.0 % of mass 198	5.8	(6.9)2
275	10.0 - 60.0 % of mass 442	22.4	
365	Greater than 1.0 % of mass 442	2.5	
441	Present but less than mass 443	15.2	
442	Base Peak, 100% relative abundance	100.0	
443	15.0 - 24.0 % of mass 442	20.5	

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 680-352391/2	3YJ0702.D	10/07/2014	13:49
	IC 680-352391/3	3YJ0703.D	10/07/2014	14:12
	IC 680-352391/4	3YJ0704.D	10/07/2014	14:34
	IC 680-352391/5	3YJ0705.D	10/07/2014	14:56
	IC 680-352391/6	3YJ0706.D	10/07/2014	15:18
	IC 680-352391/7	3YJ0707.D	10/07/2014	15:41
	IC 680-352391/8	3YJ0708.D	10/07/2014	16:03
	ICV 680-352391/9	3YJ0709.D	10/07/2014	16:25

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

Lab Name: TestAmerica Savannah Job No.: 680-106200-4

SDG No.: 680-106200-04

Lab File ID: 1YJ1701.D DFTPP Injection Date: 10/17/2014

Instrument ID: CMSY DFTPP Injection Time: 09:26

Analysis Batch No.: 354069

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
51	10.0 - 80.0 % of mass 442	10.7	
68	Less than 2.0 % of mass 69	0.2	(1.5)1
69	Mass 69 relative abundance	14.7	
70	Less than 2.0 % of mass 69	0.0	(0.0)1
127	10.0 - 80.0 % of mass 442	22.4	
197	Less than 2.0 % of mass 198	0.2	(0.4)2
198	Greater than 50.0 % of mass 442	52.0	
199	5.0 - 9.0 % of mass 198	3.6	(7.0)2
275	10.0 - 60.0 % of mass 442	14.7	
365	Greater than 1.0 % of mass 442	1.9	
441	Present but less than mass 443	14.9	
442	Base Peak, 100% relative abundance	100.0	
443	15.0 - 24.0 % of mass 442	20.0	

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 680-354069/2	1YJ1702.D	10/17/2014	09:52
	MB 680-353671/19-A	1YJ1705.D	10/17/2014	11:06
	LCS 680-353671/20-A	1YJ1706.D	10/17/2014	11:28
	LCSD 680-353671/23-A	1YJ1707.D	10/17/2014	11:50
CV0753B-CS (0-4") MS	680-106200-51 MS	1YJ1710.D	10/17/2014	12:57
CV0753B-CS (0-4") MSD	680-106200-51 MSD	1YJ1711.D	10/17/2014	13:19
CV0753B-CS (0-4")	680-106200-51	1YJ1713.D	10/17/2014	14:03
CV0509X-CS6	680-106200-55	1YJ1723.D	10/17/2014	17:45
CV0509X-CS12	680-106200-56	1YJ1724.D	10/17/2014	18:07
CV0509X-CS18	680-106200-57	1YJ1725.D	10/17/2014	18:29
CV0613A-CS6	680-106200-58	1YJ1726.D	10/17/2014	18:52
CV0613A-CS12	680-106200-59	1YJ1727.D	10/17/2014	19:14
CV0613A-CS18	680-106200-60	1YJ1728.D	10/17/2014	19:36
CV0613A-CS24	680-106200-61	1YJ1729.D	10/17/2014	19:58
CV0509KK-CS6	680-106200-62	1YJ1730.D	10/17/2014	20:20

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

Lab Name: TestAmerica Savannah Job No.: 680-106200-4

SDG No.: 680-106200-04

Sample No.: ICIS 680-352391/2 Date Analyzed: 10/07/2014 13:49

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

Lab File ID (Standard): 3YJ0702.D Heated Purge: (Y/N) N

Calibration ID: 34899

		NPT		ANT		PHN	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
INITIAL CALIBRATION MID-POINT		168653	3.23	96300	4.97	158524	6.57
UPPER LIMIT		337306	3.73	192600	5.47	317048	7.07
LOWER LIMIT		84327	2.73	48150	4.47	79262	6.07
LAB SAMPLE ID	CLIENT SAMPLE ID						
ICV 680-352391/9		165607	3.23	94839	4.97	159103	6.57

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.: 680-106200-4

SDG No.: 680-106200-04

Sample No.: ICIS 680-352391/2 Date Analyzed: 10/07/2014 13:49

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

Lab File ID (Standard): 3YJ0702.D Heated Purge: (Y/N) N

Calibration ID: 34899

		CRY		PRY			
		AREA #	RT #	AREA #	RT #	AREA #	RT #
INITIAL CALIBRATION MID-POINT		162442	9.46	146029	10.82		
UPPER LIMIT		324884	9.96	292058	11.32		
LOWER LIMIT		81221	8.96	73015	10.32		
LAB SAMPLE ID	CLIENT SAMPLE ID						
ICV 680-352391/9		174557	9.46	161423	10.82		

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.: 680-106200-4

SDG No.: 680-106200-04

Sample No.: CCVIS 680-354069/2 Date Analyzed: 10/17/2014 09:52

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

Lab File ID (Standard): 1YJ1702.D Heated Purge: (Y/N) N

Calibration ID: 34899

		NPT		ANT		PHN	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
12/24 HOUR STD		130952	2.75	71427	4.44	124630	6.01
UPPER LIMIT		261904	3.25	142854	4.94	249260	6.51
LOWER LIMIT		65476	2.25	35714	3.94	62315	5.51
LAB SAMPLE ID	CLIENT SAMPLE ID						
MB 680-353671/19-A		132697	2.75	76408	4.43	130046	6.00
LCS 680-353671/20-A		139948	2.75	82018	4.44	138175	6.00
LCSD 680-353671/23-A		135078	2.75	76927	4.44	130306	6.00
680-106200-51 MS	CV0753B-CS (0-4") MS	141702	2.76	80114	4.44	141349	6.00
680-106200-51 MSD	CV0753B-CS (0-4") MSD	150371	2.76	84934	4.44	151958	6.00
680-106200-51	CV0753B-CS (0-4")	131648	2.76	74781	4.44	129668	6.00
680-106200-55	CV0509X-CS6	117695	2.76	64973	4.44	112019	6.01
680-106200-56	CV0509X-CS12	125739	2.76	69485	4.44	119204	6.01
680-106200-57	CV0509X-CS18	126021	2.76	69538	4.44	118118	6.01
680-106200-58	CV0613A-CS6	130276	2.76	74845	4.44	124916	6.01
680-106200-59	CV0613A-CS12	137209	2.76	77649	4.44	135438	6.01
680-106200-60	CV0613A-CS18	133515	2.76	76992	4.44	132427	6.01
680-106200-61	CV0613A-CS24	131634	2.76	74958	4.44	126312	6.01
680-106200-62	CV0509KK-CS6	140758	2.76	79526	4.44	136390	6.01

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.: 680-106200-4

SDG No.: 680-106200-04

Sample No.: CCVIS 680-354069/2 Date Analyzed: 10/17/2014 09:52

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

Lab File ID (Standard): 1YJ1702.D Heated Purge: (Y/N) N

Calibration ID: 34899

		CRY		PRY			
		AREA #	RT #	AREA #	RT #	AREA #	RT #
12/24 HOUR STD		112946	8.88	98430	10.23		
UPPER LIMIT		225892	9.38	196860	10.73		
LOWER LIMIT		56473	8.38	49215	9.73		
LAB SAMPLE ID	CLIENT SAMPLE ID						
MB 680-353671/19-A		107674	8.87	86594	10.22		
LCS 680-353671/20-A		139862	8.88	120225	10.22		
LCSD 680-353671/23-A		131957	8.88	102518	10.22		
680-106200-51 MS	CV0753B-CS (0-4") MS	126034	8.88	100259	10.23		
680-106200-51 MSD	CV0753B-CS (0-4") MSD	132536	8.88	102817	10.23		
680-106200-51	CV0753B-CS (0-4")	123719	8.88	99177	10.24		
680-106200-55	CV0509X-CS6	91646	8.89	68581	10.24		
680-106200-56	CV0509X-CS12	97209	8.88	71343	10.24		
680-106200-57	CV0509X-CS18	92076	8.88	74135	10.24		
680-106200-58	CV0613A-CS6	90094	8.88	62024	10.24		
680-106200-59	CV0613A-CS12	107399	8.89	79438	10.24		
680-106200-60	CV0613A-CS18	104946	8.89	75249	10.24		
680-106200-61	CV0613A-CS24	94332	8.88	68525	10.24		
680-106200-62	CV0509KK-CS6	105265	8.88	76179	10.24		

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.: 680-106200-4

SDG No.: 680-106200-04

Client Sample ID: CV0753B-CS (0-4") | Lab Sample ID: 680-106200-51

Matrix: Solid | Lab File ID: 1YJ1713.D

Analysis Method: 8270D_LL_PAH | Date Collected: 10/07/2014 16:20

Extract. Method: 3546 | Date Extracted: 10/15/2014 14:21

Sample wt/vol: 30.01(g) | Date Analyzed: 10/17/2014 14:03

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

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

% Moisture: 12.7 | GPC Cleanup:(Y/N) N

Analysis Batch No.: 354069 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
83-32-9	Acenaphthene	77	U	77	38
208-96-8	Acenaphthylene	77	U	77	38
120-12-7	Anthracene	59	J	77	38
56-55-3	Benzo[a]anthracene	290		77	38
50-32-8	Benzo[a]pyrene	230		77	14
205-99-2	Benzo[b]fluoranthene	390		77	38
191-24-2	Benzo[g,h,i]perylene	160		77	38
207-08-9	Benzo[k]fluoranthene	120		77	23
218-01-9	Chrysene	390		77	38
53-70-3	Dibenz(a,h)anthracene	71	J	77	38
206-44-0	Fluoranthene	400		77	38
86-73-7	Fluorene	77	U	77	38
193-39-5	Indeno[1,2,3-cd]pyrene	110		77	38
90-12-0	1-Methylnaphthalene	350		77	36
91-57-6	2-Methylnaphthalene	250		77	38
91-20-3	Naphthalene	170		77	38
85-01-8	Phenanthrene	670		77	27
129-00-0	Pyrene	370		77	38

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\CMSY\20141017-13845.b\1YJ1713.D				
Lims ID:	680-106200-A-51-C	Lab Sample ID:	680-106200-51		
Client ID:	CV0753B-CS (0-4")				
Sample Type:	Client				
Inject. Date:	17-Oct-2014 14:03:30	ALS Bottle#:	13	Worklist Smp#:	13
Injection Vol:	2.0 ul	Dil. Factor:	10.0000		
Sample Info:	106200-A-51-C 1:10				
Misc. Info.:	680-0013845-013				
Operator ID:	RM	Instrument ID:	CMSY		
Method:	\\SAVCHROM\ChromData\CMSY\20141017-13845.b\8270D_LLPAH_MSY.m				
Limit Group:	8270D_LL_PAH				
Last Update:	20-Oct-2014 09:21:49	Calib Date:	07-Oct-2014 15:41:30		
Integrator:	RTE	ID Type:	Deconvolution ID		
Quant Method:	Internal Standard	Quant By:	Initial Calibration		
Last ICal File:	\\SAVCHROM\ChromData\CMSY\20141007-13559.b\3YJ0707.D				
Column 1 :	Restek RXi-5Sil MS (0.25 mm)		Det: MS SCAN		
Process Host:	XAWRK024				
First Level Reviewer: webbk		Date:	17-Oct-2014 14:42:30		

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/ml	Flags
* 1 Naphthalene-d8	136	2.758	2.753	0.005	98	131648	2.00	
* 2 Acenaphthene-d10	164	4.437	4.437	0.000	92	74781	2.00	
* 3 Phenanthrene-d10	188	6.004	6.005	0.000	98	129668	2.00	
* 4 Chrysene-d12	240	8.876	8.877	-0.001	99	123719	2.00	
* 5 Perylene-d12	264	10.235	10.225	0.010	99	99177	2.00	
7 Naphthalene	128	2.774	2.774	0.000	99	32129	0.4474	
8 2-Methylnaphthalene	142	3.410	3.410	0.000	87	31393	0.6593	
9 1-Methylnaphthalene	142	3.501	3.501	0.000	92	39953	0.9048	
13 Dibenzofuran	168	4.469	4.225	0.244	86	18934	NC	
10 1,1'-Biphenyl	154	4.223	4.282	-0.059	0	1788	NC	
15 Phenanthrene	178	6.031	6.031	0.000	96	136404	1.76	
16 Anthracene	178	6.085	6.085	-0.001	98	12007	0.1556	
17 Fluoranthene	202	7.325	7.320	0.005	98	85944	1.04	
18 Pyrene	202	7.555	7.556	-0.001	98	79115	0.9774	
19 Benzo[a]anthracene	228	8.871	8.866	0.005	97	54108	0.7478	
20 Chrysene	228	8.903	8.903	0.000	99	70602	1.03	
21 Benzo[b]fluoranthene	252	9.909	9.904	0.005	98	67457	1.03	
22 Benzo[k]fluoranthene	252	9.930	9.930	0.000	100	19352	0.3055	M
23 Benzo[a]pyrene	252	10.182	10.176	0.006	98	32298	0.6020	
24 Indeno[1,2,3-cd]pyrene	276	11.069	11.070	-0.001	98	20170	0.2970	
25 Dibenz(a,h)anthracene	278	11.096	11.091	0.005	96	8675	0.1850	
26 Benzo[g,h,i]perylene	276	11.278	11.273	0.005	98	19914	0.4072	

QC Flag Legend

Processing Flags
NC - Not Calibrated
Review Flags
M - Manually Integrated

Reagents:

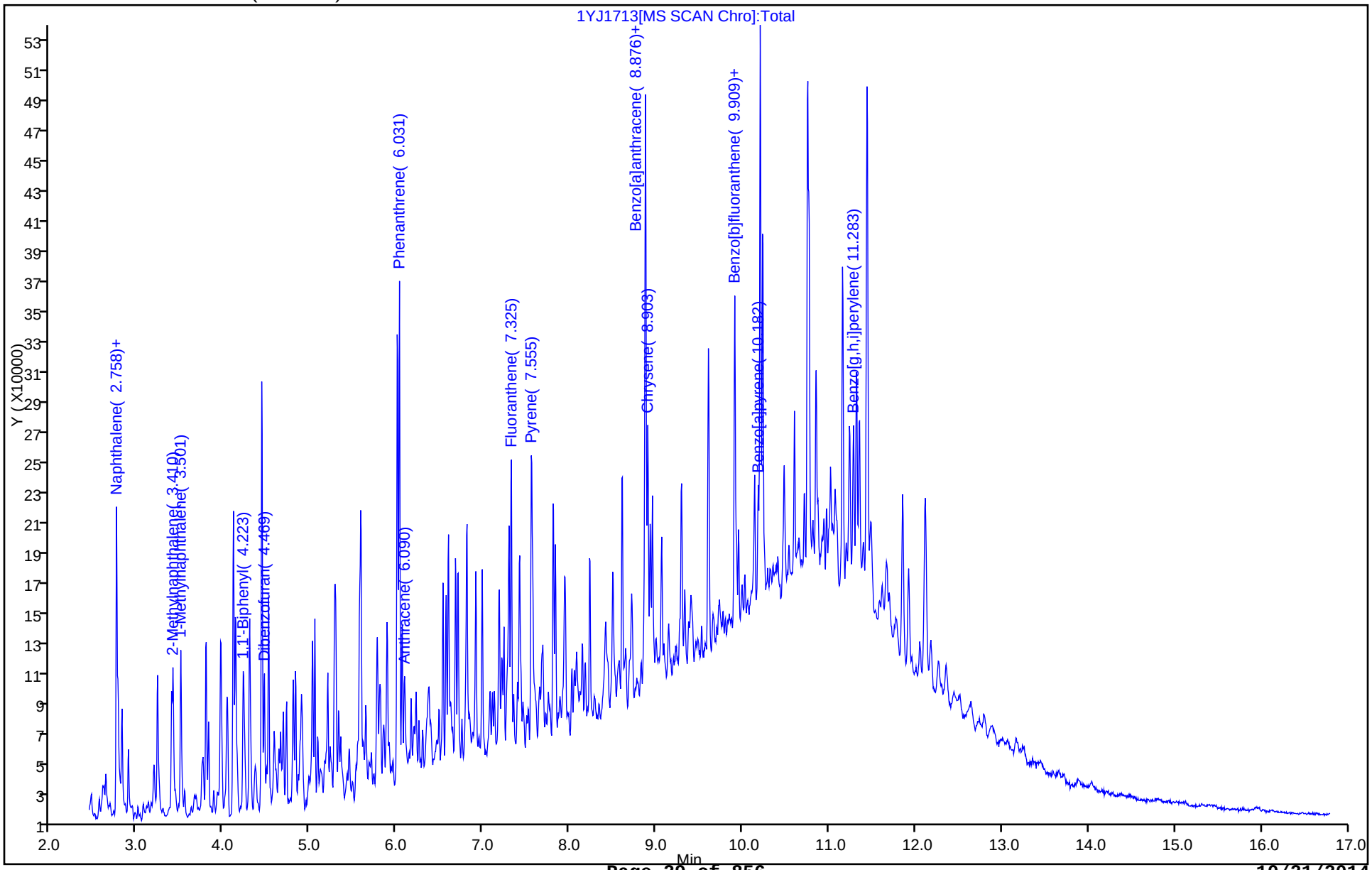
SM-LLISTD_00106 Amount Added: 10.00 Units: uL Run Reagent

Report Date: 20-Oct-2014 09:22:02 Chrom Revision: 2.2 18-Aug-2014 12:17:36

TestAmerica Savannah

Data File:	\\SAVCHROM\ChromData\CMSY\20141017-13845.b\1YJ1713.D				
Injection Date:	17-Oct-2014 14:03:30	Instrument ID:	CMSY	Operator ID:	RM
Lims ID:	680-106200-A-51-C	Lab Sample ID:	680-106200-51	Worklist Smp#:	13
Client ID:	CV0753B-CS (0-4")				
Injection Vol:	2.0 ul	Dil. Factor:	10.0000	ALS Bottle#:	13
Method:	8270D_LLPAH_MSY	Limit Group:	8270D_LL_PAH		

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

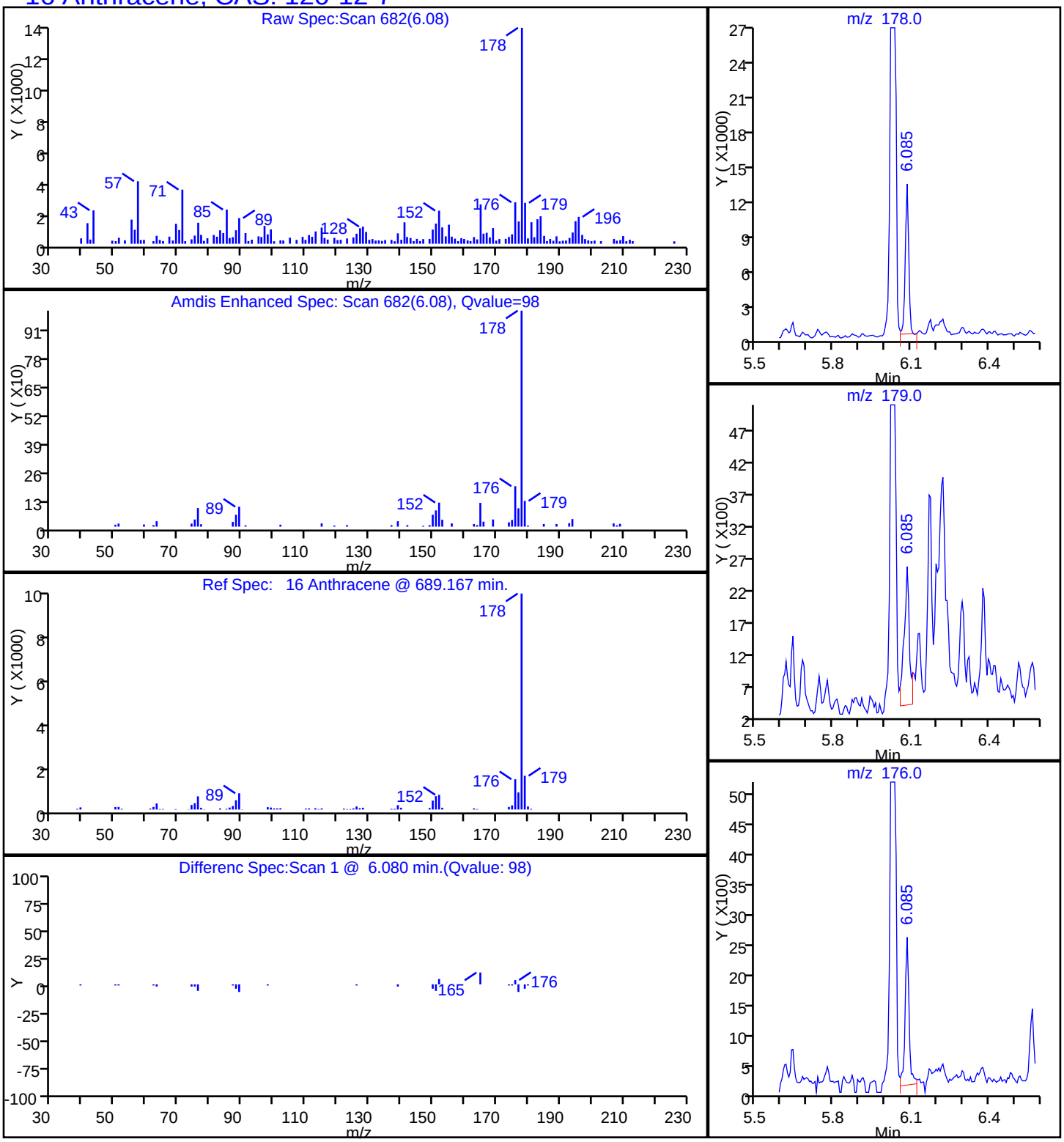


Report Date: 20-Oct-2014 09:22:03 Chrom Revision: 2.2 18-Aug-2014 12:17:36

TestAmerica Savannah

Data File:	\\SAVCHROM\ChromData\CMSY\20141017-13845.b\1YJ1713.D				
Injection Date:	17-Oct-2014 14:03:30	Instrument ID:	CMSY		
Lims ID:	680-106200-A-51-C	Lab Sample ID:	680-106200-51		
Client ID:	CV0753B-CS (0-4")				
Operator ID:	RM	ALS Bottle#:	13	Worklist Smp#:	13
Injection Vol:	2.0 ul	Dil. Factor:	10.0000		
Method:	8270D_LLPAH_MSY	Limit Group:	8270D_LL_PAH		
Column:	Restek RXi-5Sil MS (0.25 mm)	Detector	MS SCAN		

16 Anthracene, CAS: 120-12-7

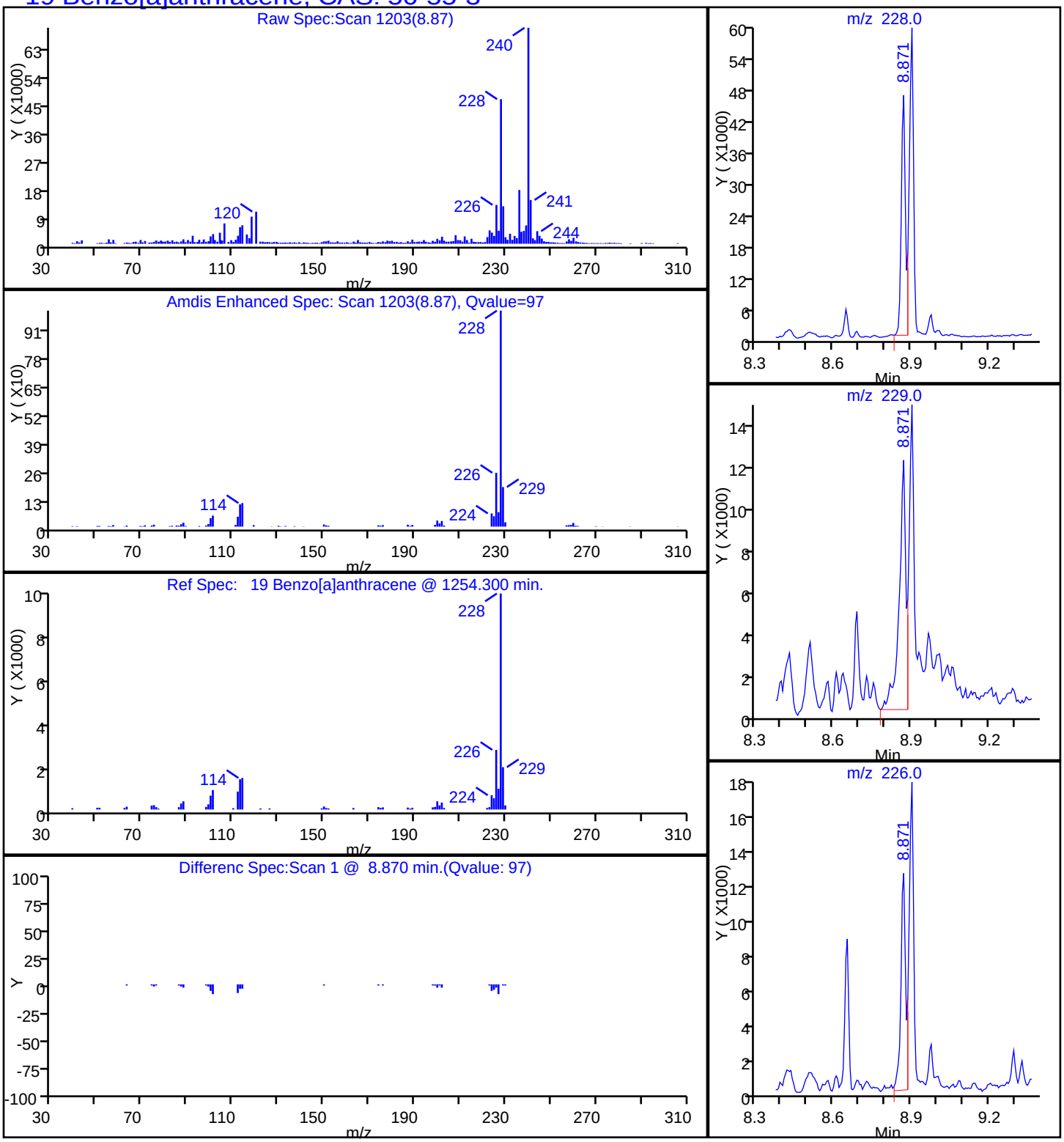


Report Date: 20-Oct-2014 09:22:03 Chrom Revision: 2.2 18-Aug-2014 12:17:36

TestAmerica Savannah

Data File:	\\SAVCHROM\ChromData\CMSY\20141017-13845.b\1YJ1713.D				
Injection Date:	17-Oct-2014 14:03:30	Instrument ID:	CMSY		
Lims ID:	680-106200-A-51-C	Lab Sample ID:	680-106200-51		
Client ID:	CV0753B-CS (0-4")				
Operator ID:	RM	ALS Bottle#:	13	Worklist Smp#:	13
Injection Vol:	2.0 ul	Dil. Factor:	10.0000		
Method:	8270D_LLPAH_MSY	Limit Group:	8270D_LL_PAH		
Column:	Restek RXi-5Sil MS (0.25 mm)	Detector	MS SCAN		

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

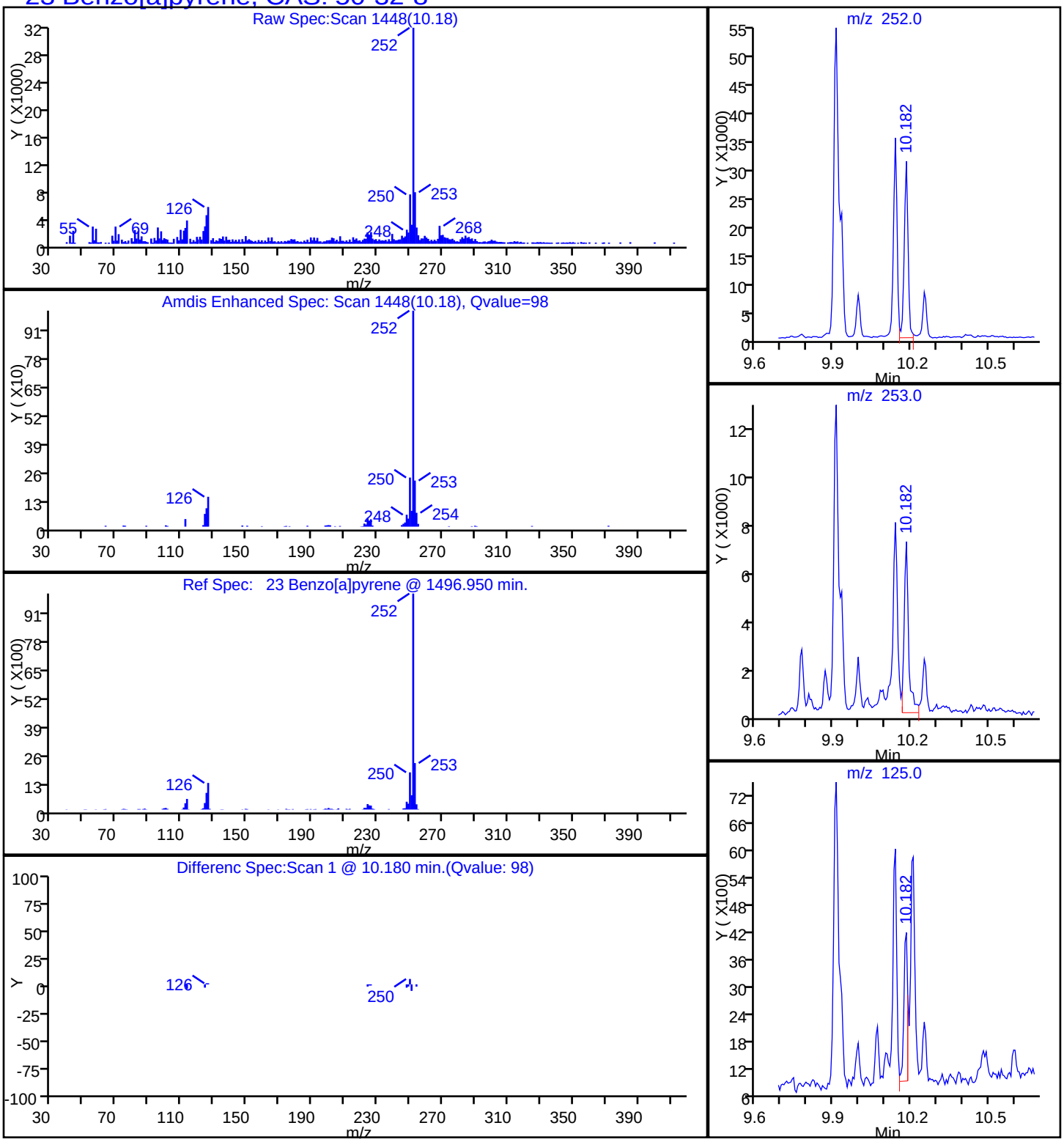


Report Date: 20-Oct-2014 09:22:03 Chrom Revision: 2.2 18-Aug-2014 12:17:36

TestAmerica Savannah

Data File:	\\SAVCHROM\ChromData\CMSY\20141017-13845.b\1YJ1713.D				
Injection Date:	17-Oct-2014 14:03:30	Instrument ID:	CMSY		
Lims ID:	680-106200-A-51-C	Lab Sample ID:	680-106200-51		
Client ID:	CV0753B-CS (0-4")				
Operator ID:	RM	ALS Bottle#:	13	Worklist Smp#:	13
Injection Vol:	2.0 ul	Dil. Factor:	10.0000		
Method:	8270D_LLPAH_MSY	Limit Group:	8270D_LL_PAH		
Column:	Restek RXi-5Sil MS (0.25 mm)	Detector	MS SCAN		

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

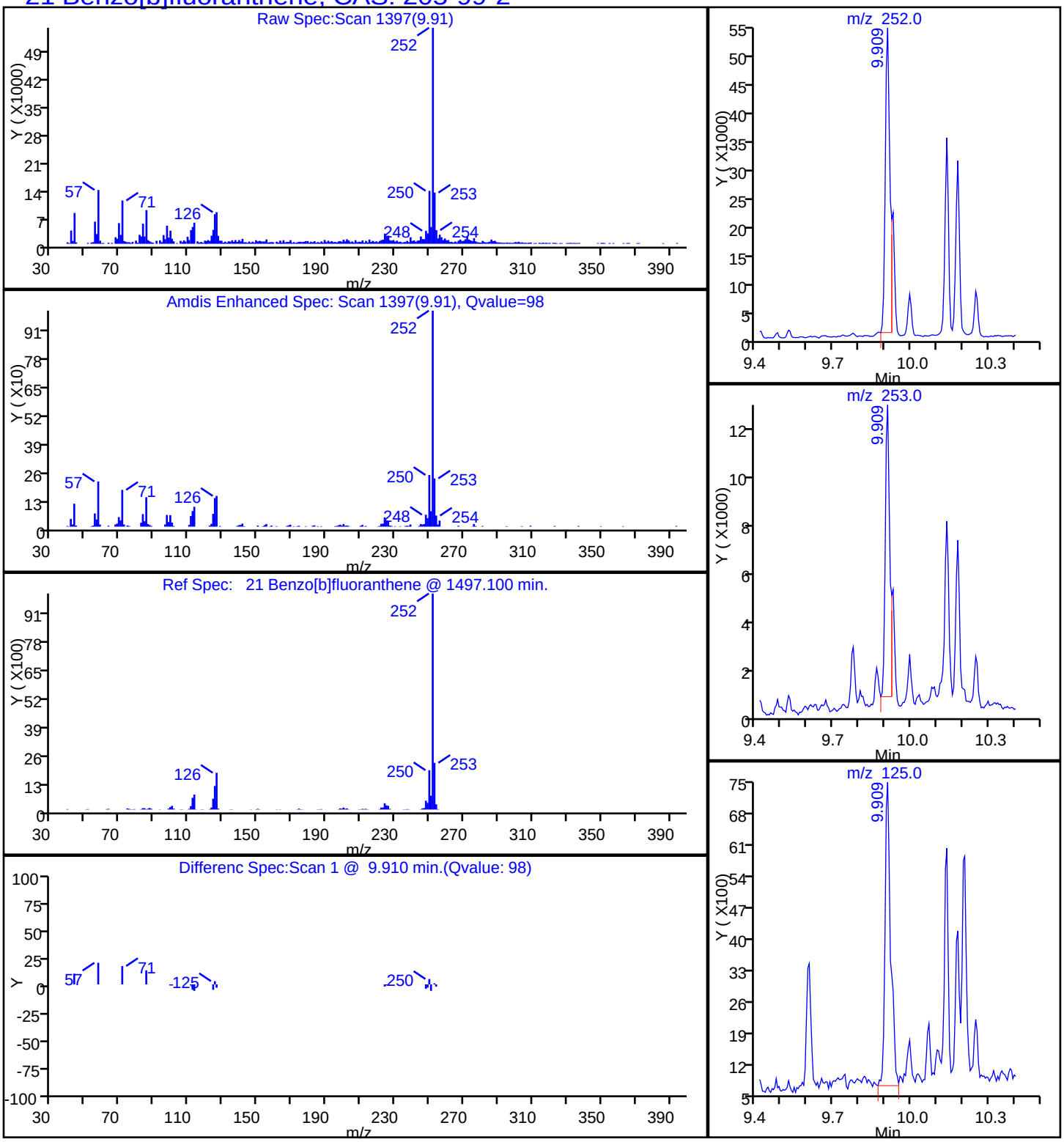


Report Date: 20-Oct-2014 09:22:03 Chrom Revision: 2.2 18-Aug-2014 12:17:36

TestAmerica Savannah

Data File:	\\SAVCHROM\ChromData\CMSY\20141017-13845.b\1YJ1713.D				
Injection Date:	17-Oct-2014 14:03:30	Instrument ID:	CMSY		
Lims ID:	680-106200-A-51-C	Lab Sample ID:	680-106200-51		
Client ID:	CV0753B-CS (0-4")				
Operator ID:	RM	ALS Bottle#:	13	Worklist Smp#:	13
Injection Vol:	2.0 ul	Dil. Factor:	10.0000		
Method:	8270D_LLPAH_MSY	Limit Group:	8270D_LL_PAH		
Column:	Restek RXi-5Sil MS (0.25 mm)	Detector	MS SCAN		

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

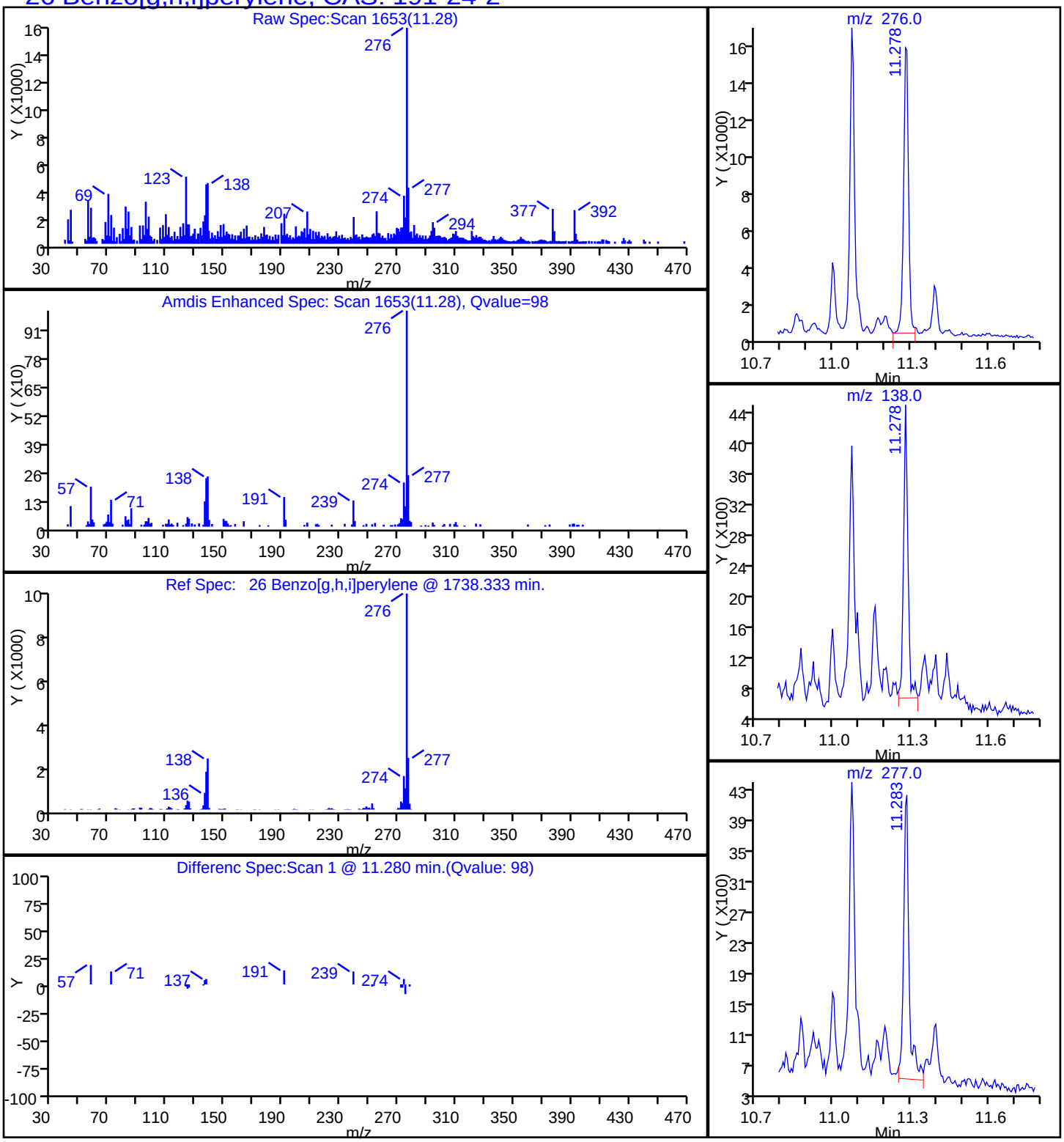


Report Date: 20-Oct-2014 09:22:03 Chrom Revision: 2.2 18-Aug-2014 12:17:36

TestAmerica Savannah

Data File:	\\SAVCHROM\ChromData\CMSY\20141017-13845.b\1YJ1713.D				
Injection Date:	17-Oct-2014 14:03:30	Instrument ID:	CMSY		
Lims ID:	680-106200-A-51-C	Lab Sample ID:	680-106200-51		
Client ID:	CV0753B-CS (0-4")				
Operator ID:	RM	ALS Bottle#:	13	Worklist Smp#:	13
Injection Vol:	2.0 ul	Dil. Factor:	10.0000		
Method:	8270D_LLPAH_MSY	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

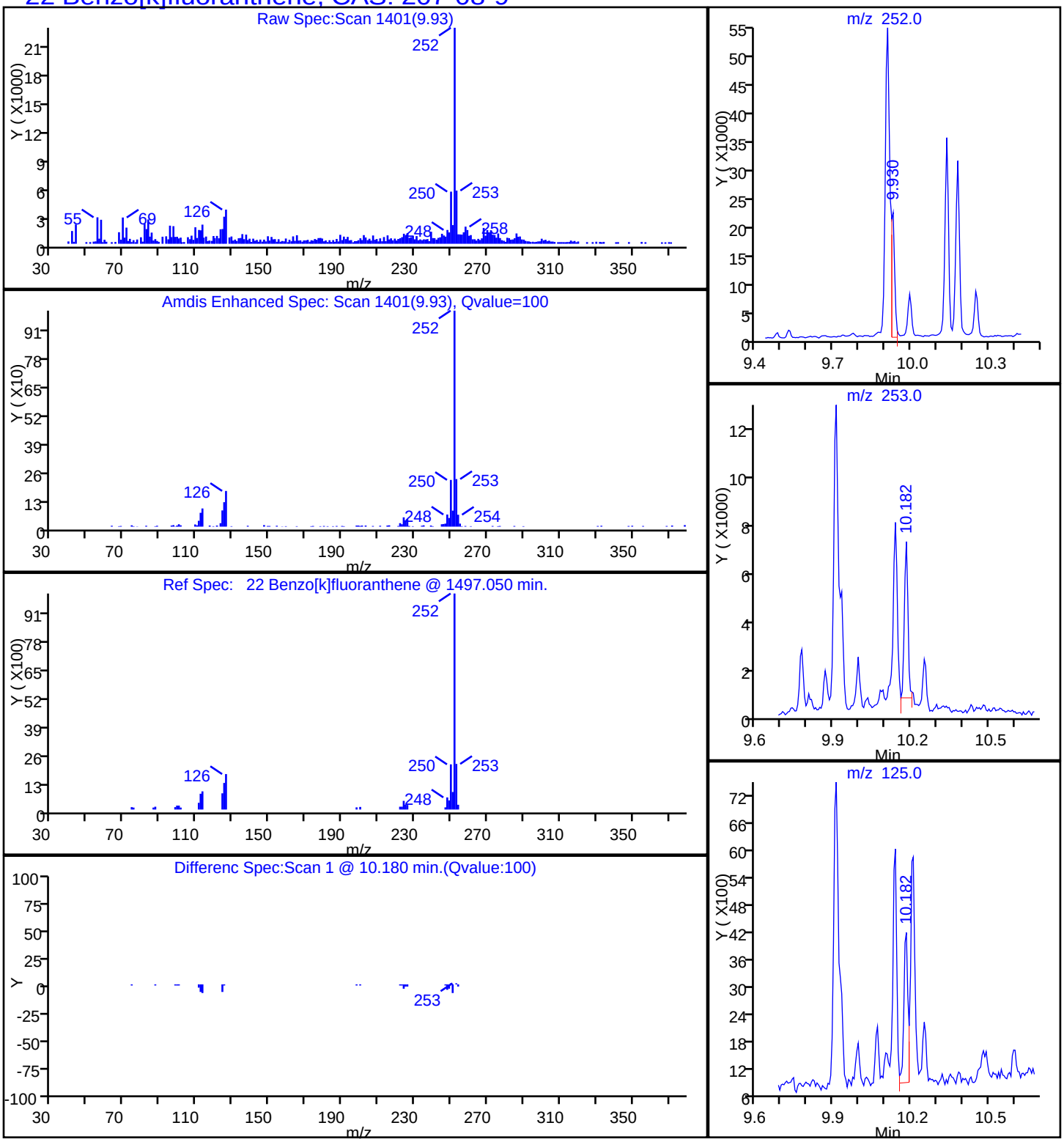


Report Date: 20-Oct-2014 09:22:03 Chrom Revision: 2.2 18-Aug-2014 12:17:36

TestAmerica Savannah

Data File:	\\SAVCHROM\ChromData\CMSY\20141017-13845.b\1YJ1713.D				
Injection Date:	17-Oct-2014 14:03:30	Instrument ID:	CMSY		
Lims ID:	680-106200-A-51-C	Lab Sample ID:	680-106200-51		
Client ID:	CV0753B-CS (0-4")				
Operator ID:	RM	ALS Bottle#:	13	Worklist Smp#:	13
Injection Vol:	2.0 ul	Dil. Factor:	10.0000		
Method:	8270D_LLPAH_MSY	Limit Group:	8270D_LL_PAH		
Column:	Restek RXi-5Sil MS (0.25 mm)	Detector	MS SCAN		

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

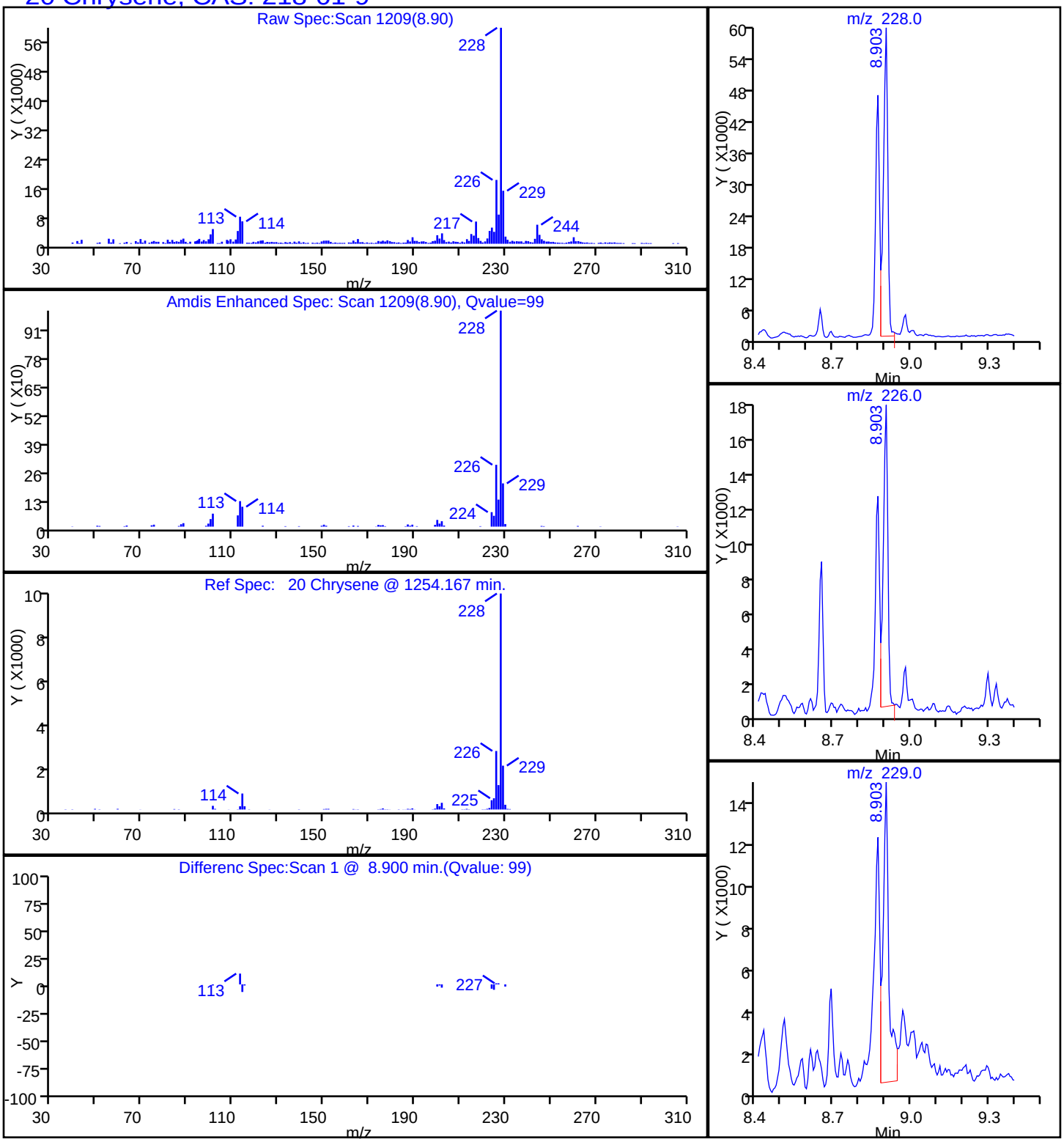


Report Date: 20-Oct-2014 09:22:03 Chrom Revision: 2.2 18-Aug-2014 12:17:36

TestAmerica Savannah

Data File:	\\SAVCHROM\ChromData\CMSY\20141017-13845.b\1YJ1713.D				
Injection Date:	17-Oct-2014 14:03:30	Instrument ID:	CMSY		
Lims ID:	680-106200-A-51-C	Lab Sample ID:	680-106200-51		
Client ID:	CV0753B-CS (0-4")				
Operator ID:	RM	ALS Bottle#:	13	Worklist Smp#:	13
Injection Vol:	2.0 ul	Dil. Factor:	10.0000		
Method:	8270D_LLPAH_MSY	Limit Group:	8270D_LL_PAH		
Column:	Restek RXi-5Sil MS (0.25 mm)	Detector	MS SCAN		

20 Chrysene, CAS: 218-01-9

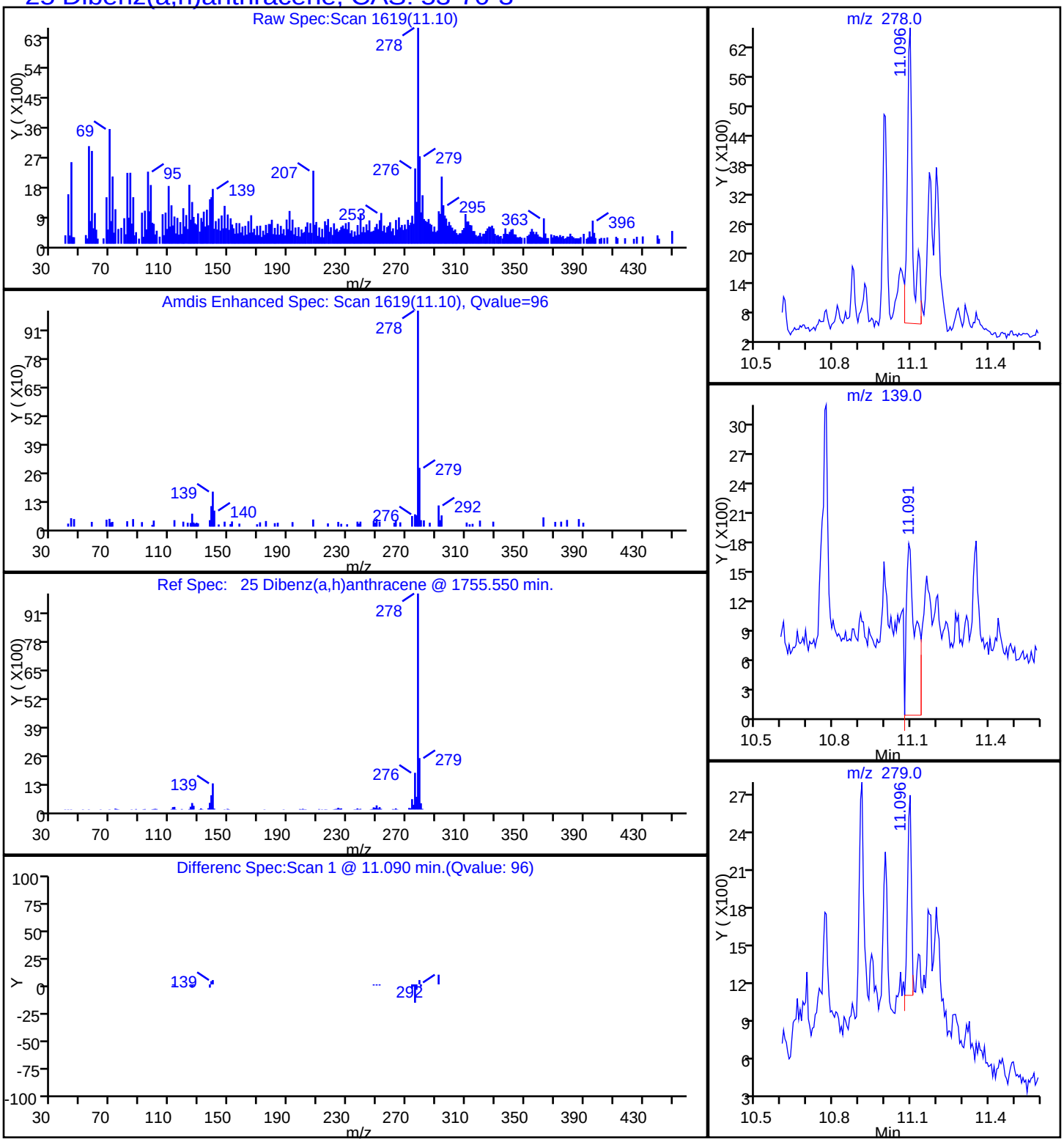


Report Date: 20-Oct-2014 09:22:03 Chrom Revision: 2.2 18-Aug-2014 12:17:36

TestAmerica Savannah

Data File:	\\SAVCHROM\ChromData\CMSY\20141017-13845.b\1YJ1713.D				
Injection Date:	17-Oct-2014 14:03:30	Instrument ID:	CMSY		
Lims ID:	680-106200-A-51-C	Lab Sample ID:	680-106200-51		
Client ID:	CV0753B-CS (0-4")				
Operator ID:	RM	ALS Bottle#:	13	Worklist Smp#:	13
Injection Vol:	2.0 ul	Dil. Factor:	10.0000		
Method:	8270D_LLPAH_MSY	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

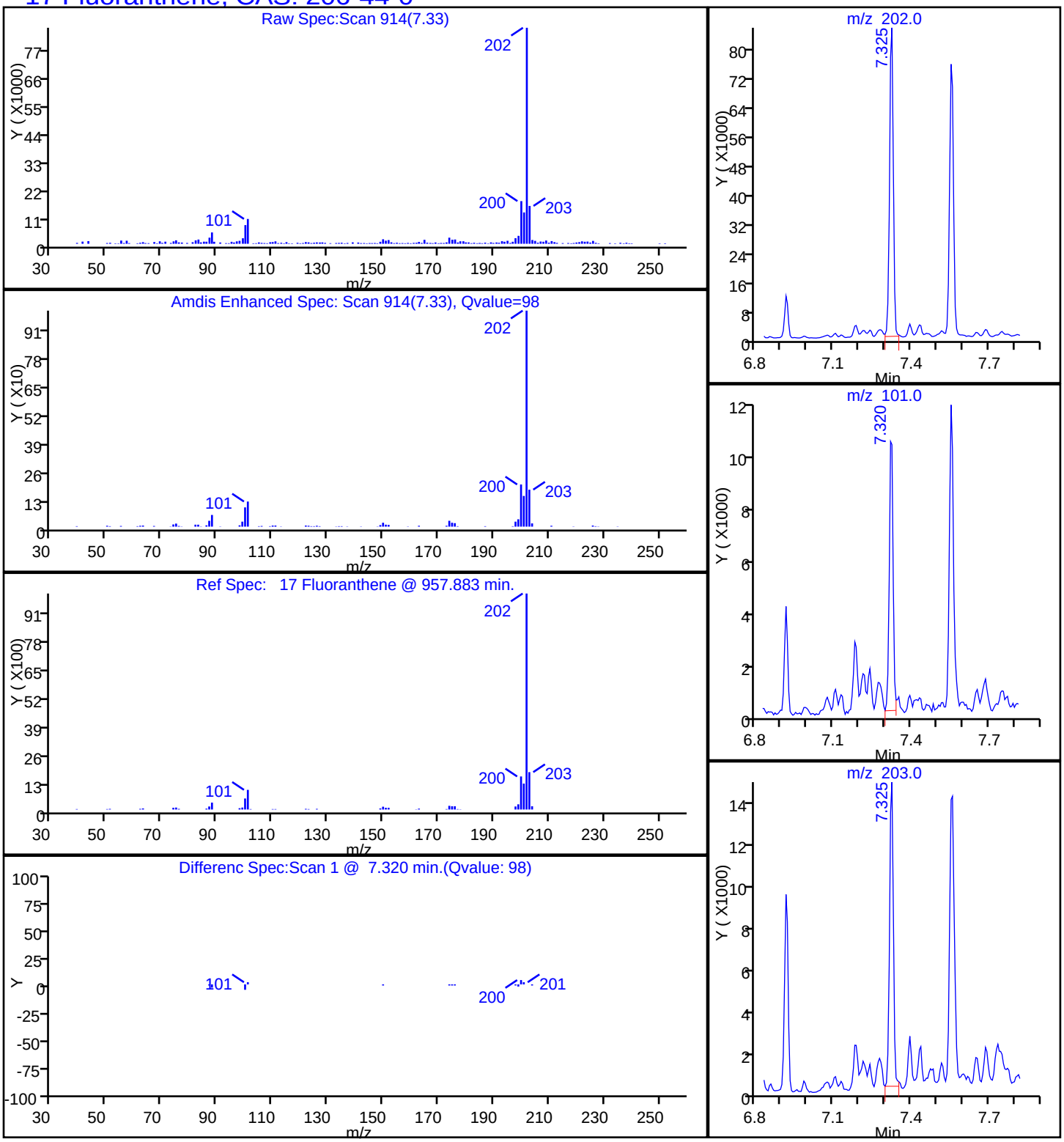


Report Date: 20-Oct-2014 09:22:03 Chrom Revision: 2.2 18-Aug-2014 12:17:36

TestAmerica Savannah

Data File:	\\SAVCHROM\ChromData\CMSY\20141017-13845.b\1YJ1713.D				
Injection Date:	17-Oct-2014 14:03:30	Instrument ID:	CMSY		
Lims ID:	680-106200-A-51-C	Lab Sample ID:	680-106200-51		
Client ID:	CV0753B-CS (0-4")				
Operator ID:	RM	ALS Bottle#:	13	Worklist Smp#:	13
Injection Vol:	2.0 ul	Dil. Factor:	10.0000		
Method:	8270D_LLPAH_MSY	Limit Group:	8270D_LL_PAH		
Column:	Restek RXi-5Sil MS (0.25 mm)	Detector	MS SCAN		

17 Fluoranthene, CAS: 206-44-0

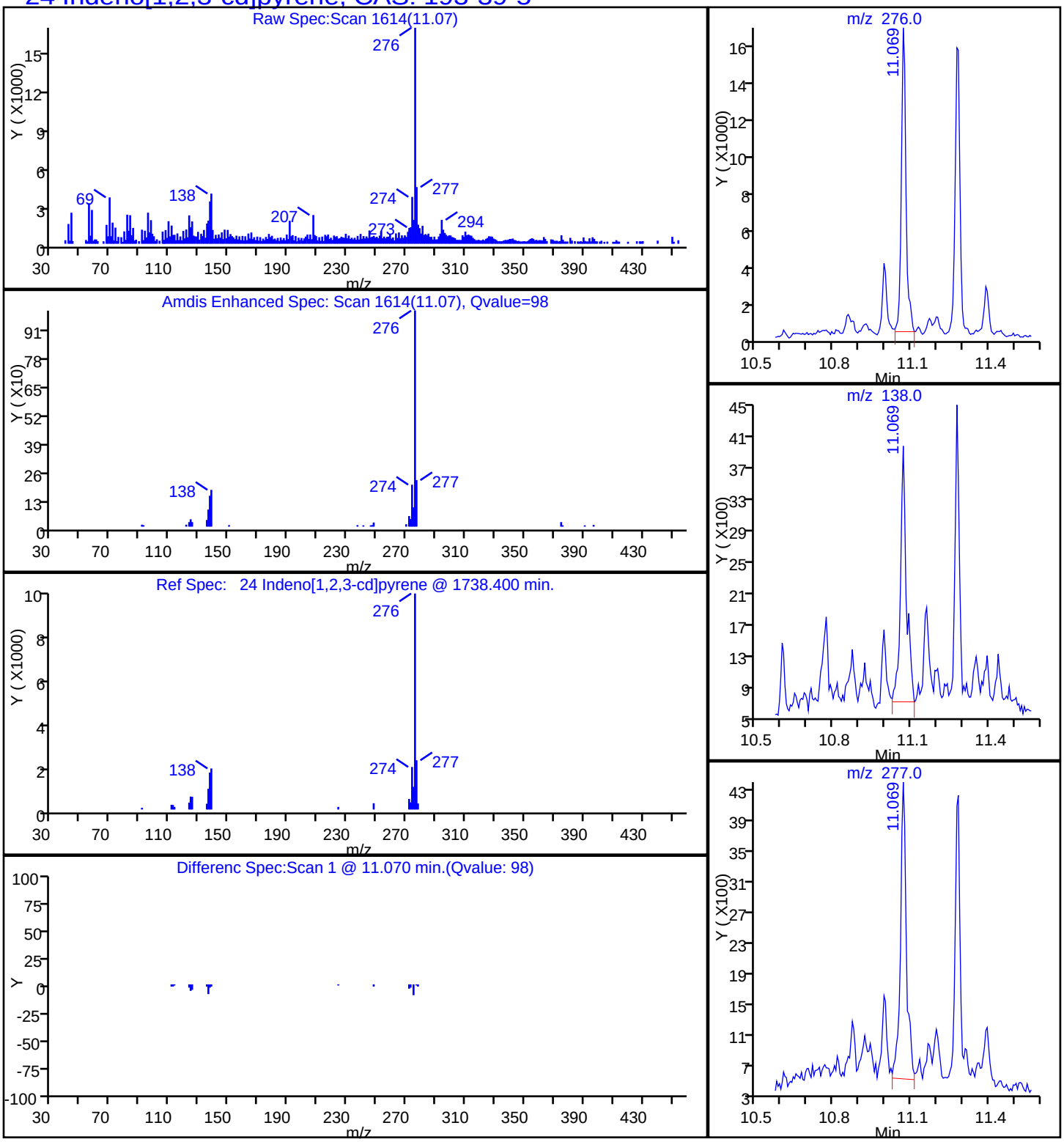


Report Date: 20-Oct-2014 09:22:03 Chrom Revision: 2.2 18-Aug-2014 12:17:36

TestAmerica Savannah

Data File:	\\SAVCHROM\ChromData\CMSY\20141017-13845.b\1YJ1713.D				
Injection Date:	17-Oct-2014 14:03:30	Instrument ID:	CMSY		
Lims ID:	680-106200-A-51-C	Lab Sample ID:	680-106200-51		
Client ID:	CV0753B-CS (0-4")				
Operator ID:	RM	ALS Bottle#:	13	Worklist Smp#:	13
Injection Vol:	2.0 ul	Dil. Factor:	10.0000		
Method:	8270D_LLPAH_MSY	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

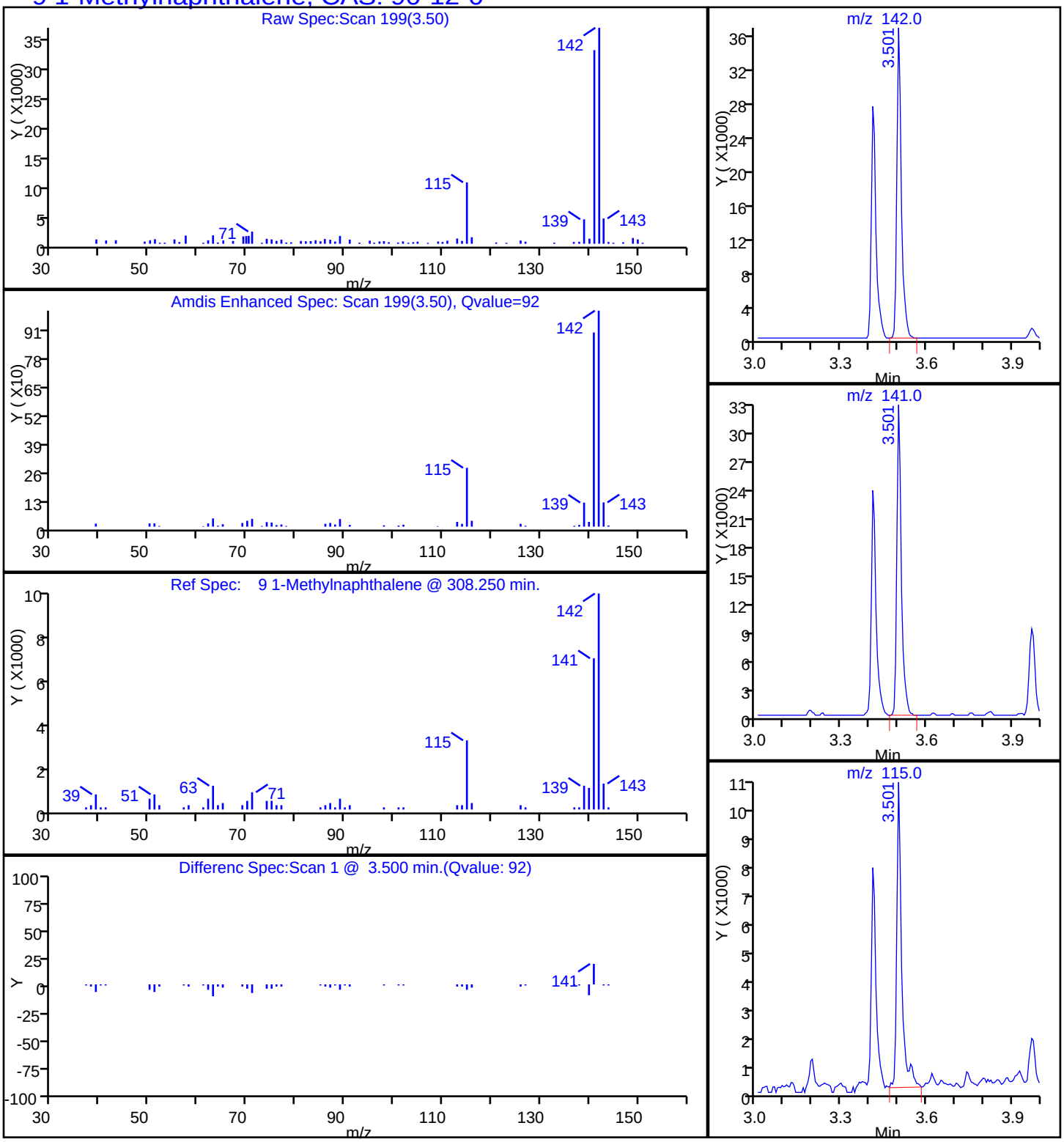


Report Date: 20-Oct-2014 09:22:02 Chrom Revision: 2.2 18-Aug-2014 12:17:36

TestAmerica Savannah

Data File:	\\SAVCHROM\ChromData\CMSY\20141017-13845.b\1YJ1713.D				
Injection Date:	17-Oct-2014 14:03:30	Instrument ID:	CMSY		
Lims ID:	680-106200-A-51-C	Lab Sample ID:	680-106200-51		
Client ID:	CV0753B-CS (0-4")				
Operator ID:	RM	ALS Bottle#:	13	Worklist Smp#:	13
Injection Vol:	2.0 ul	Dil. Factor:	10.0000		
Method:	8270D_LLPAH_MSY	Limit Group:	8270D_LL_PAH		
Column:	Restek RXi-5Sil MS (0.25 mm)	Detector	MS SCAN		

9 1-Methylnaphthalene, CAS: 90-12-0

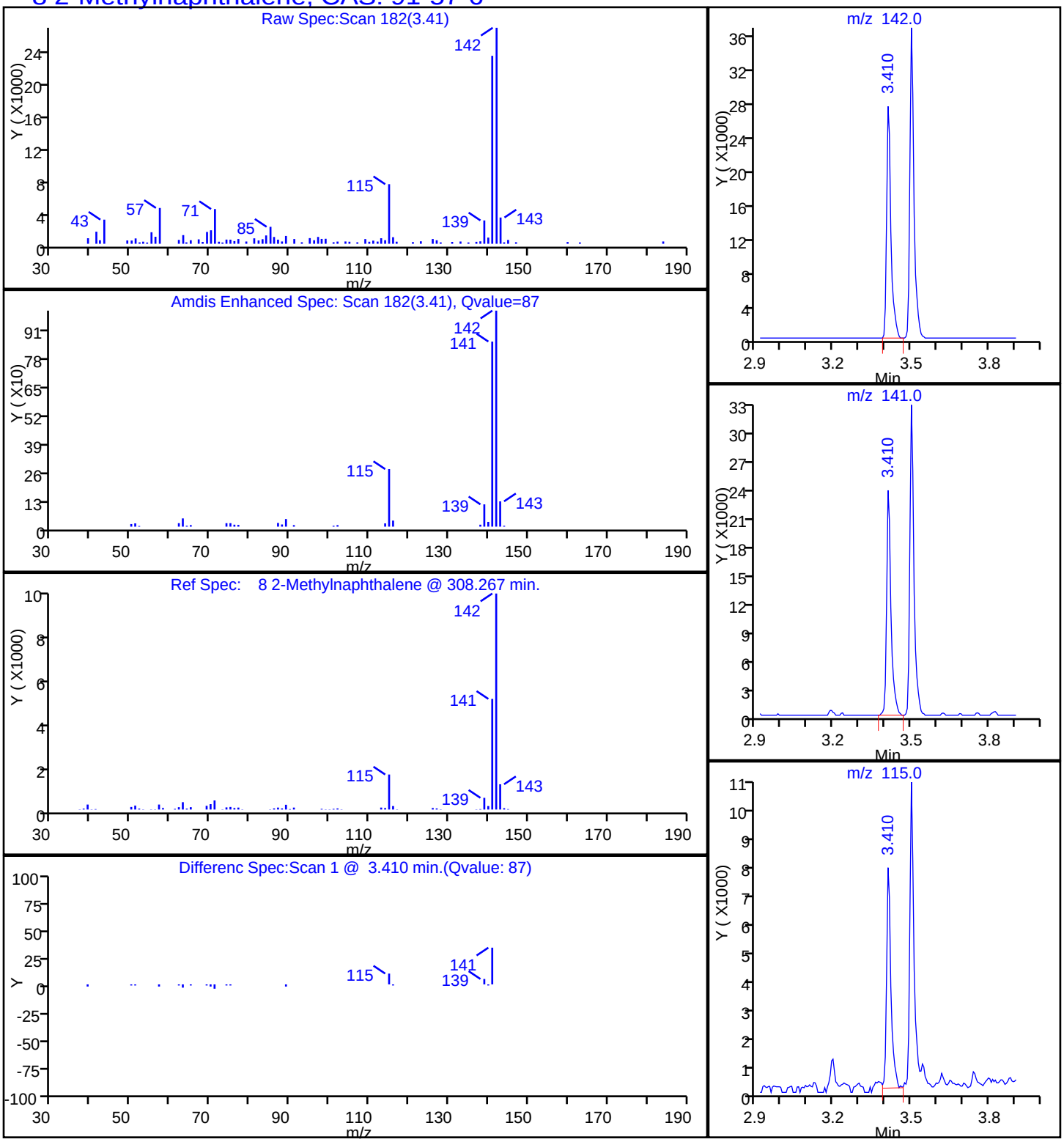


Report Date: 20-Oct-2014 09:22:02 Chrom Revision: 2.2 18-Aug-2014 12:17:36

TestAmerica Savannah

Data File:	\\SAVCHROM\ChromData\CMSY\20141017-13845.b\1YJ1713.D				
Injection Date:	17-Oct-2014 14:03:30	Instrument ID:	CMSY		
Lims ID:	680-106200-A-51-C	Lab Sample ID:	680-106200-51		
Client ID:	CV0753B-CS (0-4")				
Operator ID:	RM	ALS Bottle#:	13	Worklist Smp#:	13
Injection Vol:	2.0 ul	Dil. Factor:	10.0000		
Method:	8270D_LLPAH_MSY	Limit Group:	8270D_LL_PAH		
Column:	Restek RXi-5Sil MS (0.25 mm)	Detector	MS SCAN		

8 2-Methylnaphthalene, CAS: 91-57-6

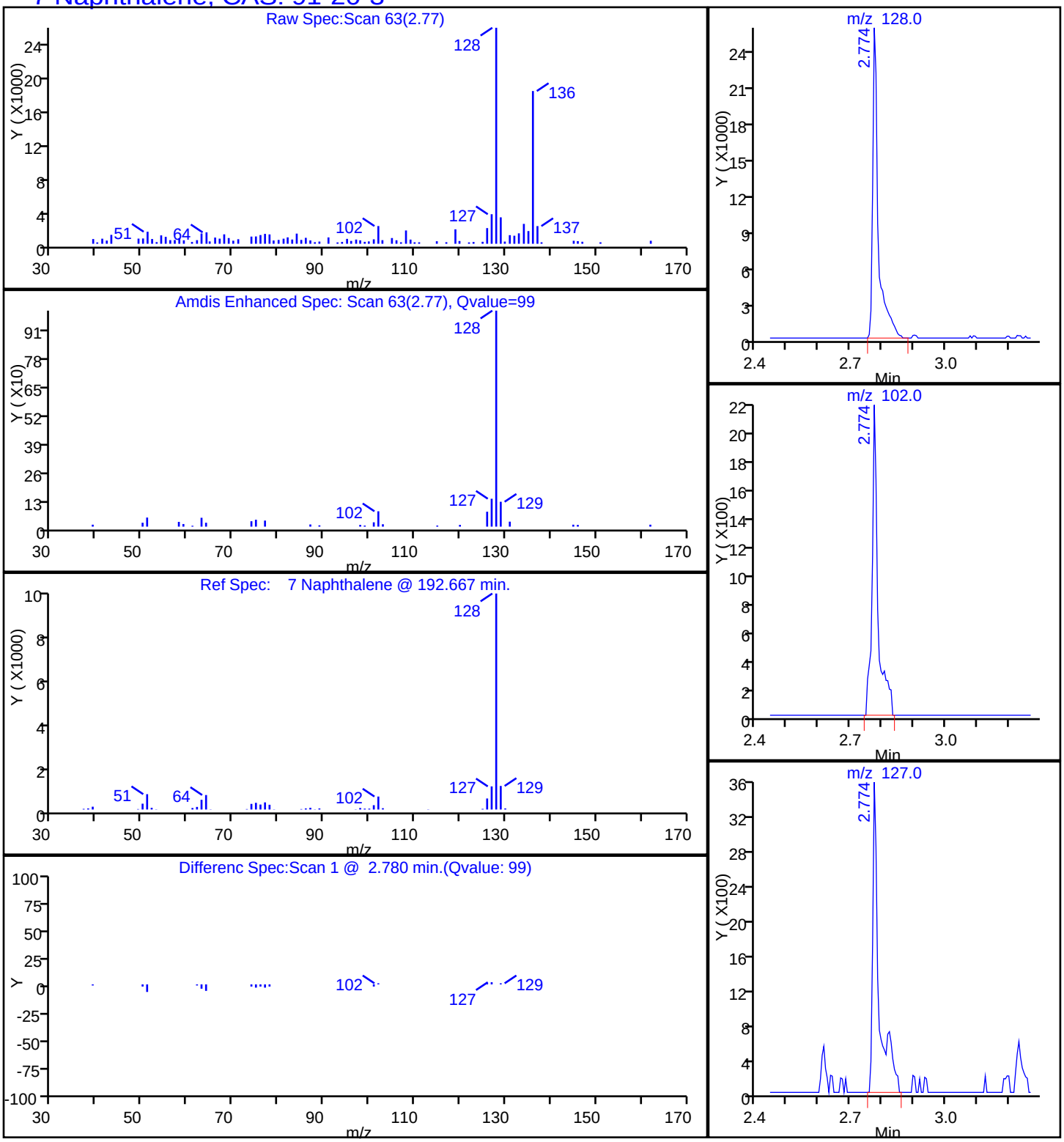


Report Date: 20-Oct-2014 09:22:02 Chrom Revision: 2.2 18-Aug-2014 12:17:36

TestAmerica Savannah

Data File:	\\SAVCHROM\ChromData\CMSY\20141017-13845.b\1YJ1713.D				
Injection Date:	17-Oct-2014 14:03:30	Instrument ID:	CMSY		
Lims ID:	680-106200-A-51-C	Lab Sample ID:	680-106200-51		
Client ID:	CV0753B-CS (0-4")				
Operator ID:	RM	ALS Bottle#:	13	Worklist Smp#:	13
Injection Vol:	2.0 ul	Dil. Factor:	10.0000		
Method:	8270D_LLPAH_MSY	Limit Group:	8270D_LL_PAH		
Column:	Restek RXi-5Sil MS (0.25 mm)	Detector	MS SCAN		

7 Naphthalene, CAS: 91-20-3

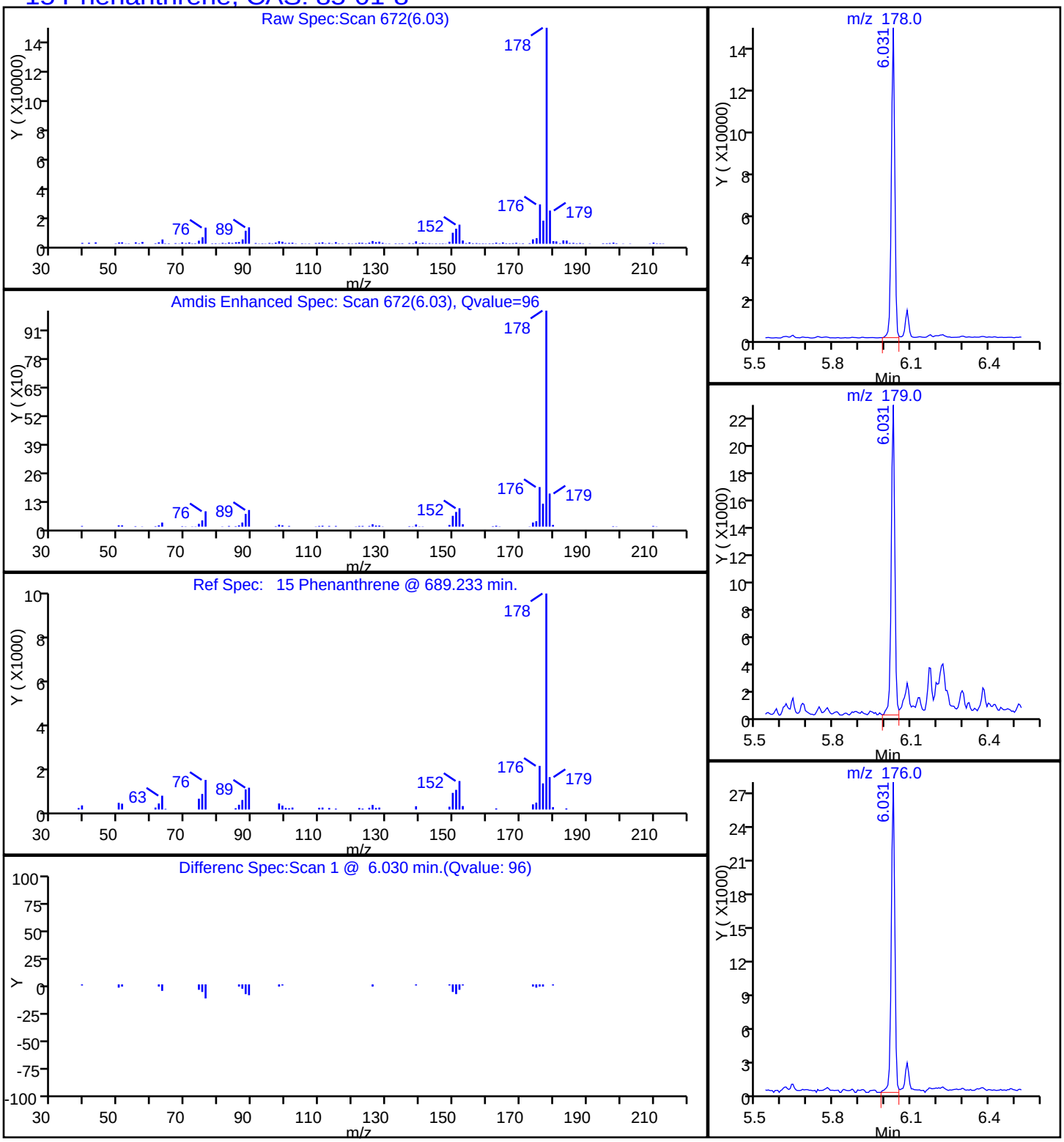


Report Date: 20-Oct-2014 09:22:02 Chrom Revision: 2.2 18-Aug-2014 12:17:36

TestAmerica Savannah

Data File:	\\SAVCHROM\ChromData\CMSY\20141017-13845.b\1YJ1713.D				
Injection Date:	17-Oct-2014 14:03:30	Instrument ID:	CMSY		
Lims ID:	680-106200-A-51-C	Lab Sample ID:	680-106200-51		
Client ID:	CV0753B-CS (0-4")				
Operator ID:	RM	ALS Bottle#:	13	Worklist Smp#:	13
Injection Vol:	2.0 ul	Dil. Factor:	10.0000		
Method:	8270D_LLPAH_MSY	Limit Group:	8270D_LL_PAH		
Column:	Restek RXi-5Sil MS (0.25 mm)	Detector	MS SCAN		

15 Phenanthrene, CAS: 85-01-8

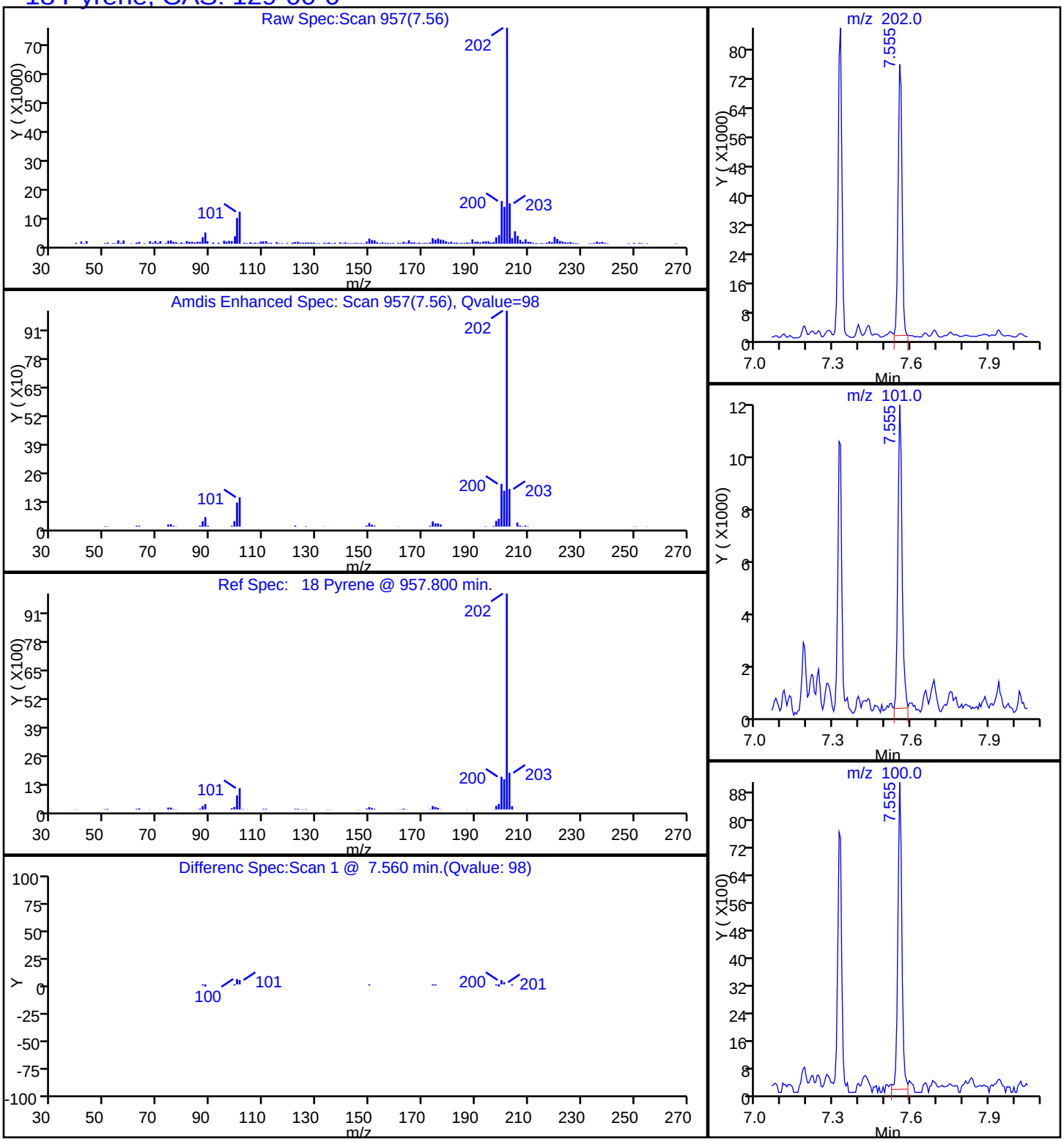


Report Date: 20-Oct-2014 09:22:03 Chrom Revision: 2.2 18-Aug-2014 12:17:36

TestAmerica Savannah

Data File:	\\SAVCHROM\ChromData\CMSY\20141017-13845.b\1YJ1713.D				
Injection Date:	17-Oct-2014 14:03:30	Instrument ID:	CMSY		
Lims ID:	680-106200-A-51-C	Lab Sample ID:	680-106200-51		
Client ID:	CV0753B-CS (0-4")				
Operator ID:	RM	ALS Bottle#:	13	Worklist Smp#:	13
Injection Vol:	2.0 ul	Dil. Factor:	10.0000		
Method:	8270D_LLPAH_MSY	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

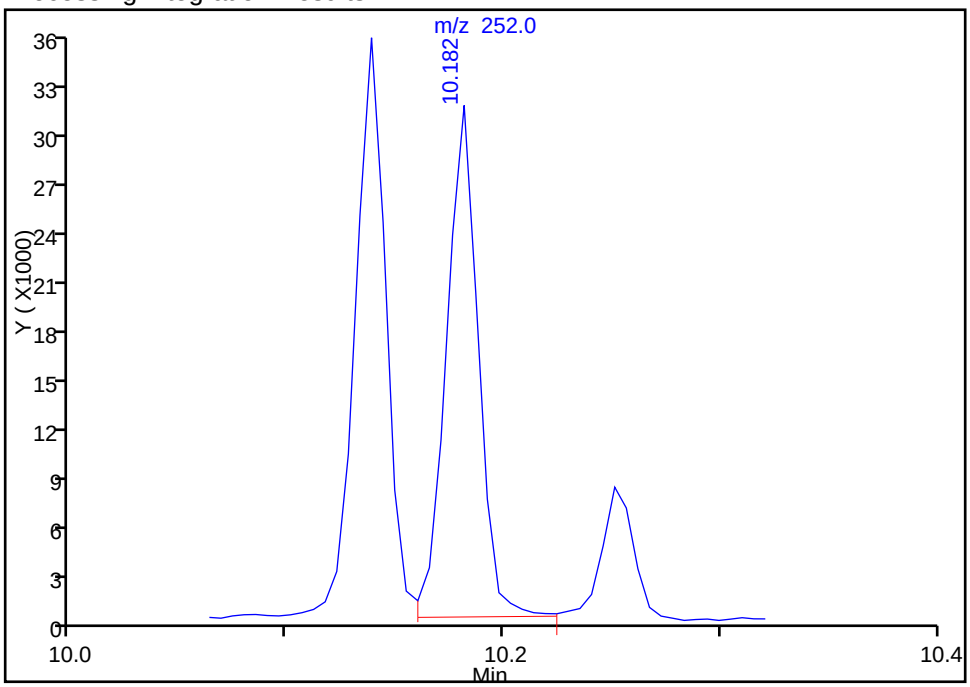
TestAmerica Savannah

Data File:	\\SAVCHROM\ChromData\CMSY\20141017-13845.b\1YJ1713.D				
Injection Date:	17-Oct-2014 14:03:30	Instrument ID:	CMSY		
Lims ID:	680-106200-A-51-C	Lab Sample ID:	680-106200-51		
Client ID:	CV0753B-CS (0-4")				
Operator ID:	RM	ALS Bottle#:	13	Worklist Smp#:	13
Injection Vol:	2.0 ul	Dil. Factor:	10.0000		
Method:	8270D_LLPAH_MSY	Limit Group:	8270D_LL_PAH		
Column:	Restek RXi-5Sil MS (0.25 mm)	Detector	MS SCAN		

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

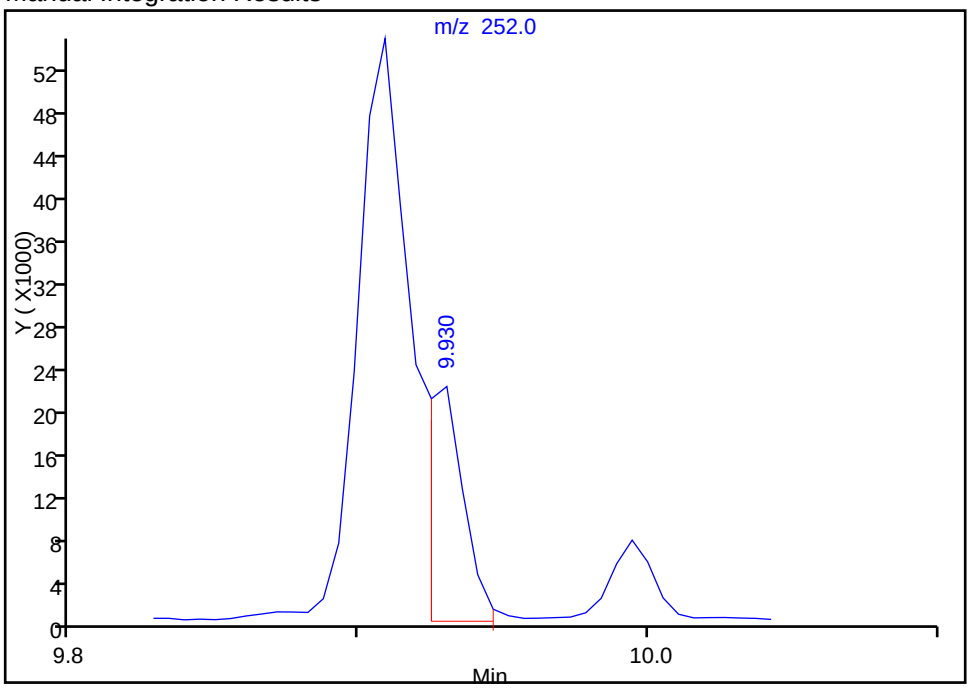
Processing Integration Results

RT: 10.18
Response: 31355
Amount: 0.495366



Manual Integration Results

RT: 9.93
Response: 19352
Amount: 0.305488



Reviewer: webbk, 17-Oct-2014 14:42:30
Audit Action: Manually Integrated
Audit Reason: Split Peak

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Savannah | Job No.: 680-106200-4

SDG No.: 680-106200-04

Client Sample ID: CV0509X-CS6 | Lab Sample ID: 680-106200-55

Matrix: Solid | Lab File ID: 1YJ1723.D

Analysis Method: 8270D_LL_PAH | Date Collected: 10/07/2014 10:20

Extract. Method: 3546 | Date Extracted: 10/15/2014 14:21

Sample wt/vol: 30.03(g) | Date Analyzed: 10/17/2014 17:45

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

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

% Moisture: 19.4 | GPC Cleanup:(Y/N) N

Analysis Batch No.: 354069 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
83-32-9	Acenaphthene	84		83	41
208-96-8	Acenaphthylene	83	U	83	41
120-12-7	Anthracene	210		83	41
56-55-3	Benzo[a]anthracene	1100		83	41
50-32-8	Benzo[a]pyrene	1100		83	15
205-99-2	Benzo[b]fluoranthene	1600		83	41
191-24-2	Benzo[g,h,i]perylene	690		83	41
207-08-9	Benzo[k]fluoranthene	560		83	25
218-01-9	Chrysene	1200		83	41
53-70-3	Dibenz(a,h)anthracene	310		83	41
206-44-0	Fluoranthene	1900		83	41
86-73-7	Fluorene	75	J	83	41
193-39-5	Indeno[1,2,3-cd]pyrene	520		83	41
90-12-0	1-Methylnaphthalene	60	J	83	38
91-57-6	2-Methylnaphthalene	75	J	83	41
91-20-3	Naphthalene	63	J	83	41
85-01-8	Phenanthrene	860		83	30
129-00-0	Pyrene	1800		83	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\CMSY\20141017-13845.b\1YJ1723.D
Lims ID: 680-106200-A-55-A Lab Sample ID: 680-106200-55
Client ID: CV0509X-CS6
Sample Type: Client
Inject. Date: 17-Oct-2014 17:45:30 ALS Bottle#: 23 Worklist Smp#: 23
Injection Vol: 2.0 ul Dil. Factor: 10.0000
Sample Info: 106200-A-55-A 1:10
Misc. Info.: 680-0013845-023
Operator ID: RM Instrument ID: CMSY

Method: \\SAVCHROM\ChromData\CMSY\20141017-13845.b\8270D_LLPAH_MSY.m
Limit Group: 8270D_LL_PAH
Last Update: 20-Oct-2014 09:21:49 Calib Date: 07-Oct-2014 15:41:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\SAVCHROM\ChromData\CMSY\20141007-13559.b\3YJ0707.D

Column 1 : Restek RXi-5Sil MS (0.25 mm) Det: MS SCAN
Process Host: XAWRK024

First Level Reviewer: webbk Date: 20-Oct-2014 09:08:13

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/ml	Flags
* 1 Naphthalene-d8	136	2.758	2.753	0.005	98	117695	2.00	
* 2 Acenaphthene-d10	164	4.443	4.437	0.006	92	64973	2.00	
* 3 Phenanthrene-d10	188	6.010	6.005	0.006	98	112019	2.00	
* 4 Chrysene-d12	240	8.887	8.877	0.010	99	91646	2.00	
* 5 Perylene-d12	264	10.240	10.225	0.015	99	68581	2.00	
7 Naphthalene	128	2.779	2.774	0.005	99	9737	0.1517	
8 2-Methylnaphthalene	142	3.416	3.410	0.006	86	7716	0.1813	
9 1-Methylnaphthalene	142	3.507	3.501	0.006	89	5732	0.1452	
11 Acenaphthylene	152	4.293	4.288	0.005	97	4115	0.0654	
12 Acenaphthene	153	4.475	4.469	0.006	94	8182	0.2023	
14 Fluorene	166	5.015	5.015	0.000	96	8060	0.1805	
15 Phenanthrene	178	6.031	6.031	0.000	96	139584	2.08	
16 Anthracene	178	6.090	6.085	0.005	99	33115	0.4967	
17 Fluoranthene	202	7.331	7.320	0.011	98	324379	4.57	
18 Pyrene	202	7.561	7.556	0.005	98	263065	4.40	
19 Benzo[a]anthracene	228	8.877	8.866	0.011	98	140340	2.62	
20 Chrysene	228	8.909	8.903	0.006	99	145452	2.89	
21 Benzo[b]fluoranthene	252	9.914	9.904	0.010	98	171317	3.80	
22 Benzo[k]fluoranthene	252	9.936	9.930	0.006	99	59482	1.36	M
23 Benzo[a]pyrene	252	10.187	10.176	0.011	98	94489	2.55	
24 Indeno[1,2,3-cd]pyrene	276	11.080	11.070	0.010	99	63936	1.27	
25 Dibenz(a,h)anthracene	278	11.102	11.091	0.011	98	24580	0.7576	
26 Benzo[g,h,i]perylene	276	11.289	11.273	0.016	98	56199	1.66	

QC Flag Legend

Review Flags
M - Manually Integrated

Reagents:

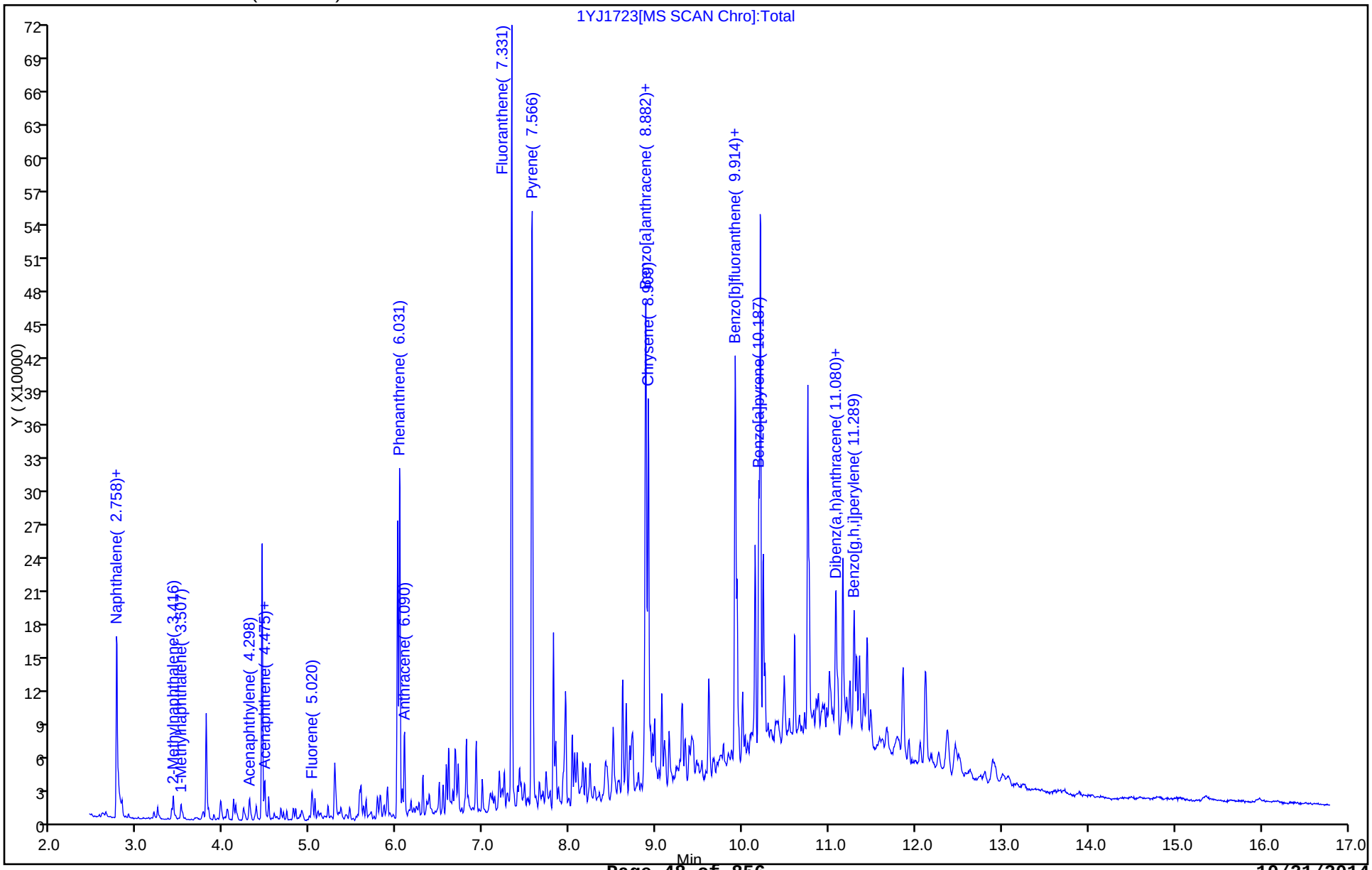
SM-LLISTD_00106 Amount Added: 10.00 Units: uL Run Reagent

Report Date: 20-Oct-2014 09:22:15 Chrom Revision: 2.2 18-Aug-2014 12:17:36

TestAmerica Savannah

Data File:	\\SAVCHROM\ChromData\CMSY\20141017-13845.b\1YJ1723.D				
Injection Date:	17-Oct-2014 17:45:30	Instrument ID:	CMSY	Operator ID:	RM
Lims ID:	680-106200-A-55-A	Lab Sample ID:	680-106200-55	Worklist Smp#:	23
Client ID:	CV0509X-CS6				
Injection Vol:	2.0 ul	Dil. Factor:	10.0000	ALS Bottle#:	23
Method:	8270D_LLPAH_MSY	Limit Group:	8270D_LL_PAH		

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



Report Date: 20-Oct-2014 09:22:15 Chrom Revision: 2.2 18-Aug-2014 12:17:36

TestAmerica Savannah

Data File:	\\SAVCHROM\ChromData\CMSY\20141017-13845.b\1YJ1723.D				
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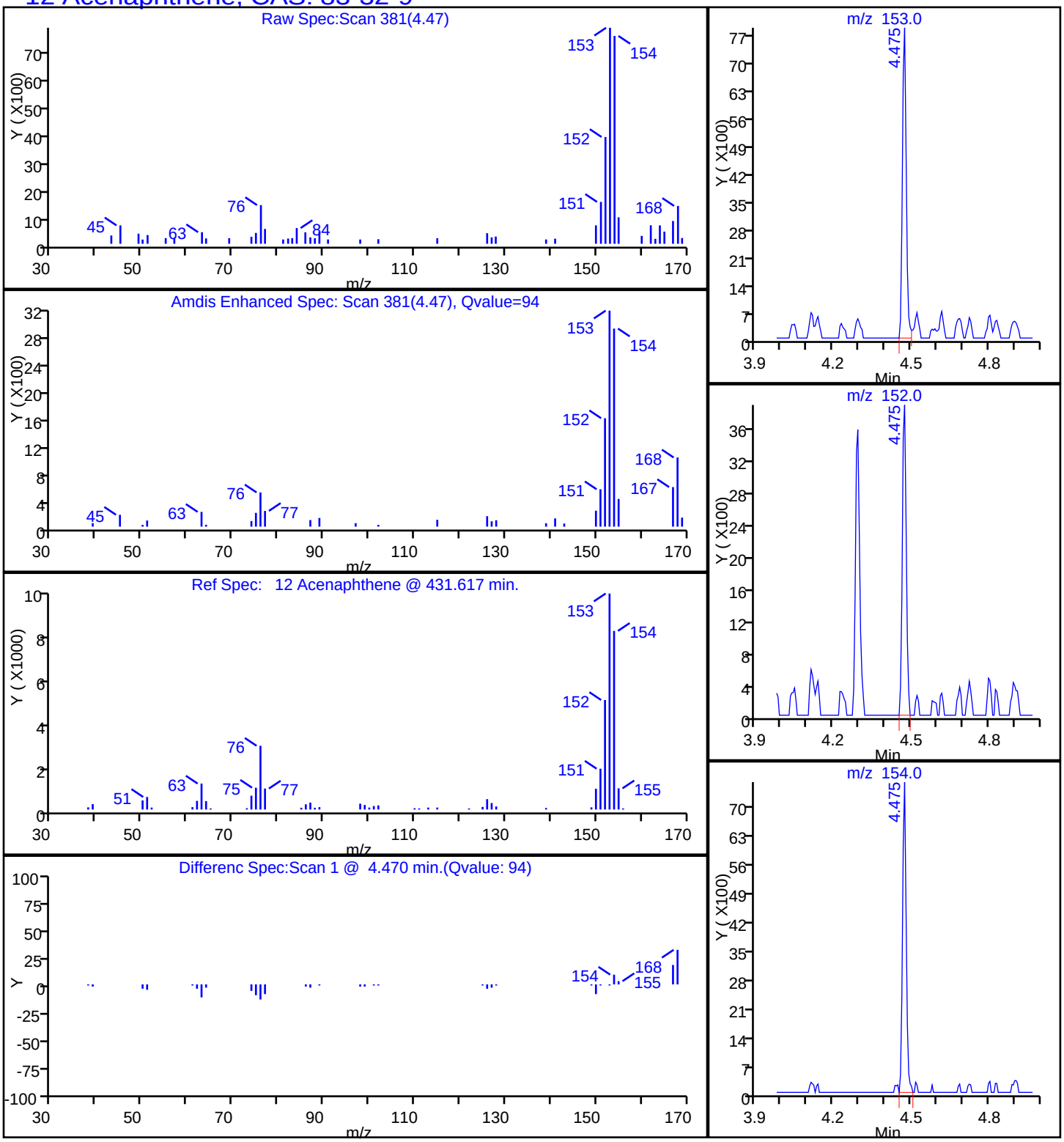
Lims ID:	680-106200-A-55-A	Lab Sample ID:	680-106200-55		
Client ID:	CV0509X-CS6				
Operator ID:	RM	ALS Bottle#:	23	Worklist Smp#:	23
Injection Vol:	2.0 ul	Dil. Factor:	10.0000		
Method:	8270D_LLPAH_MSY	Limit Group:	8270D_LL_PAH		
Column:	Restek RXi-5Sil MS (0.25 mm)	Detector	MS SCAN		

12 Acenaphthene, CAS: 83-32-9



Report Date: 20-Oct-2014 09:22:15 Chrom Revision: 2.2 18-Aug-2014 12:17:36

TestAmerica Savannah

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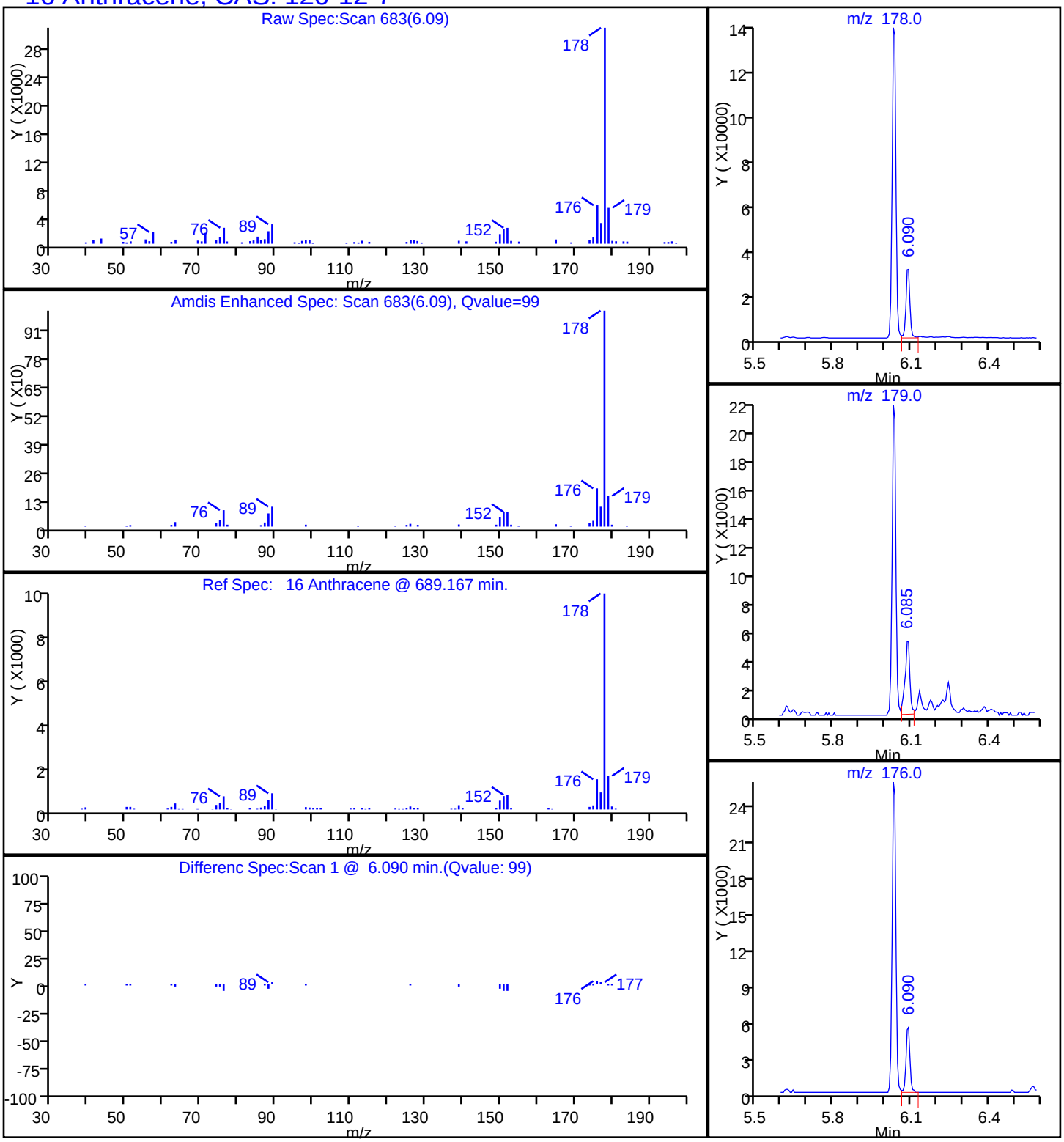
Client ID:	CV0509X-CS6				
Operator ID:	RM	ALS Bottle#:	23	Worklist Smp#:	23
Injection Vol:	2.0 ul	Dil. Factor:	10.0000		
Method:	8270D_LLPAH_MSY	Limit Group:	8270D_LL_PAH		
Column:	Restek RXi-5Sil MS (0.25 mm)	Detector	MS SCAN		

16 Anthracene, CAS: 120-12-7



Report Date: 20-Oct-2014 09:22:15 Chrom Revision: 2.2 18-Aug-2014 12:17:36

TestAmerica Savannah

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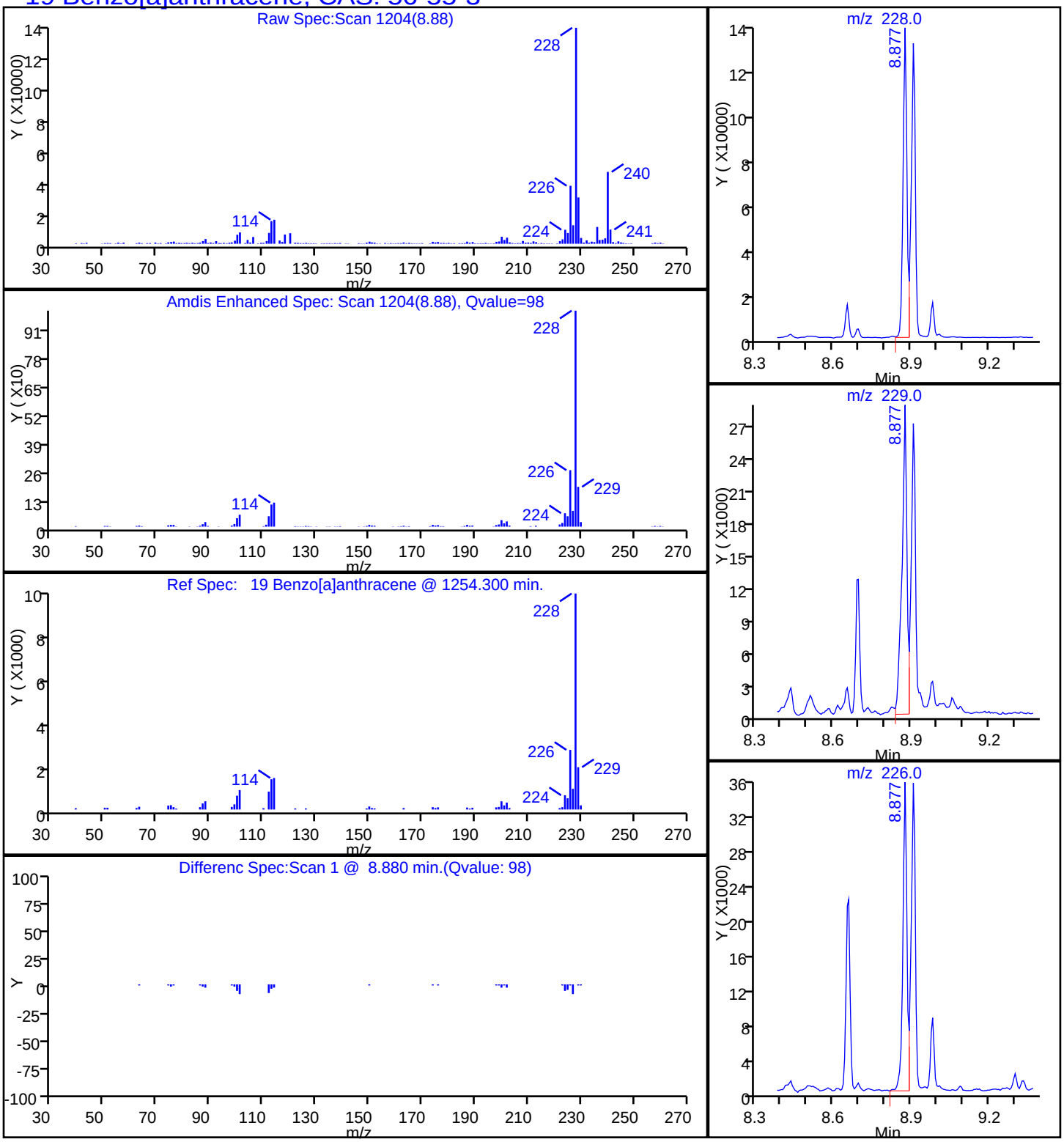
Client ID:	CV0509X-CS6				
Operator ID:	RM	ALS Bottle#:	23	Worklist Smp#:	23
Injection Vol:	2.0 ul	Dil. Factor:	10.0000		
Method:	8270D_LLPAH_MSY	Limit Group:	8270D_LL_PAH		
Column:	Restek RXi-5Sil MS (0.25 mm)	Detector	MS SCAN		

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



Report Date: 20-Oct-2014 09:22:15 Chrom Revision: 2.2 18-Aug-2014 12:17:36

TestAmerica Savannah

Data File:	\\SAVCHROM\ChromData\CMSY\20141017-13845.b\1YJ1723.D				
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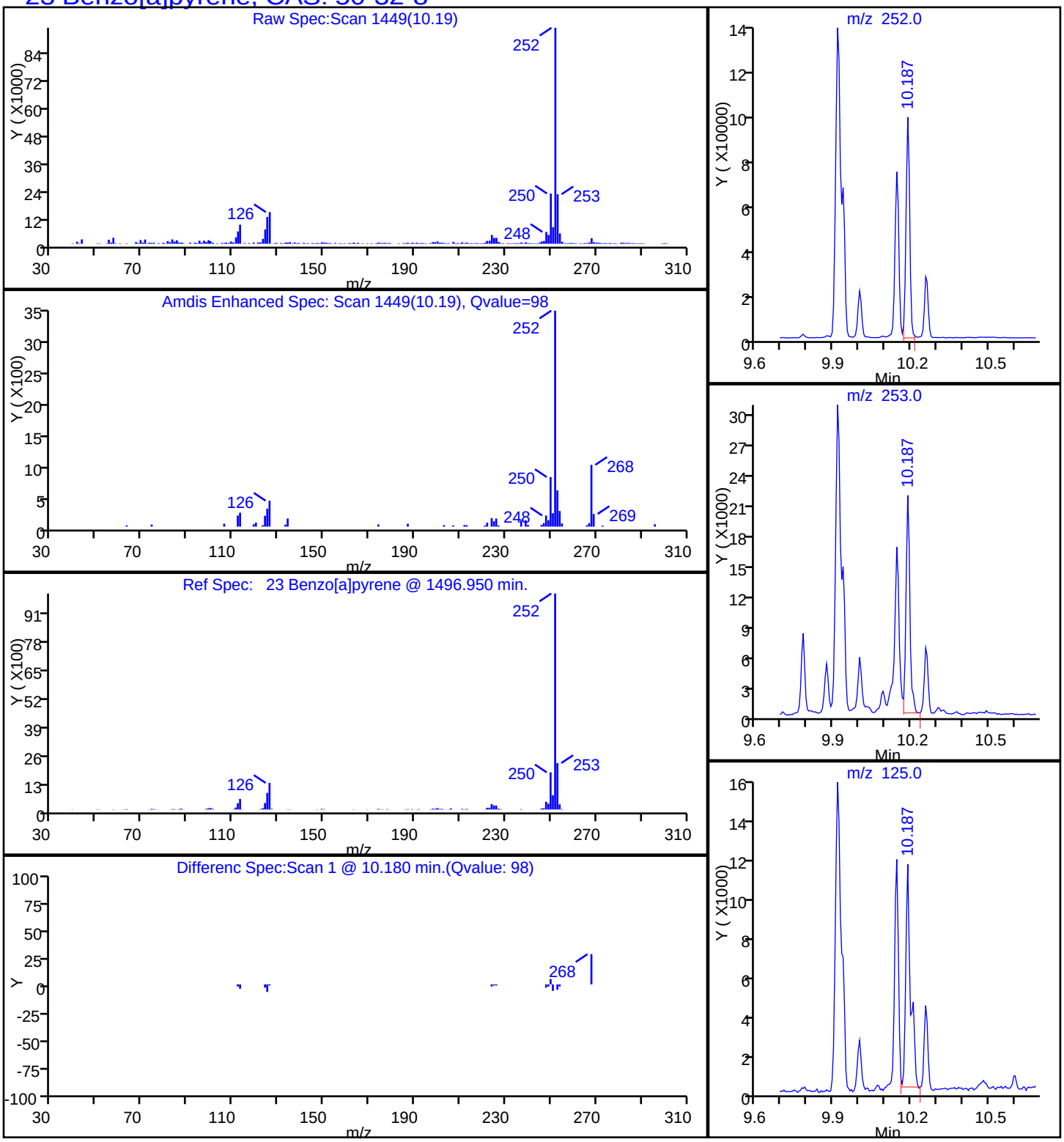
Client ID:	CV0509X-CS6				
Operator ID:	RM	ALS Bottle#:	23	Worklist Smp#:	23
Injection Vol:	2.0 ul	Dil. Factor:	10.0000		
Method:	8270D_LLPAH_MSY	Limit Group:	8270D_LL_PAH		
Column:	Restek RXi-5Sil MS (0.25 mm)	Detector	MS SCAN		

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



Report Date: 20-Oct-2014 09:22:15 Chrom Revision: 2.2 18-Aug-2014 12:17:36

TestAmerica Savannah

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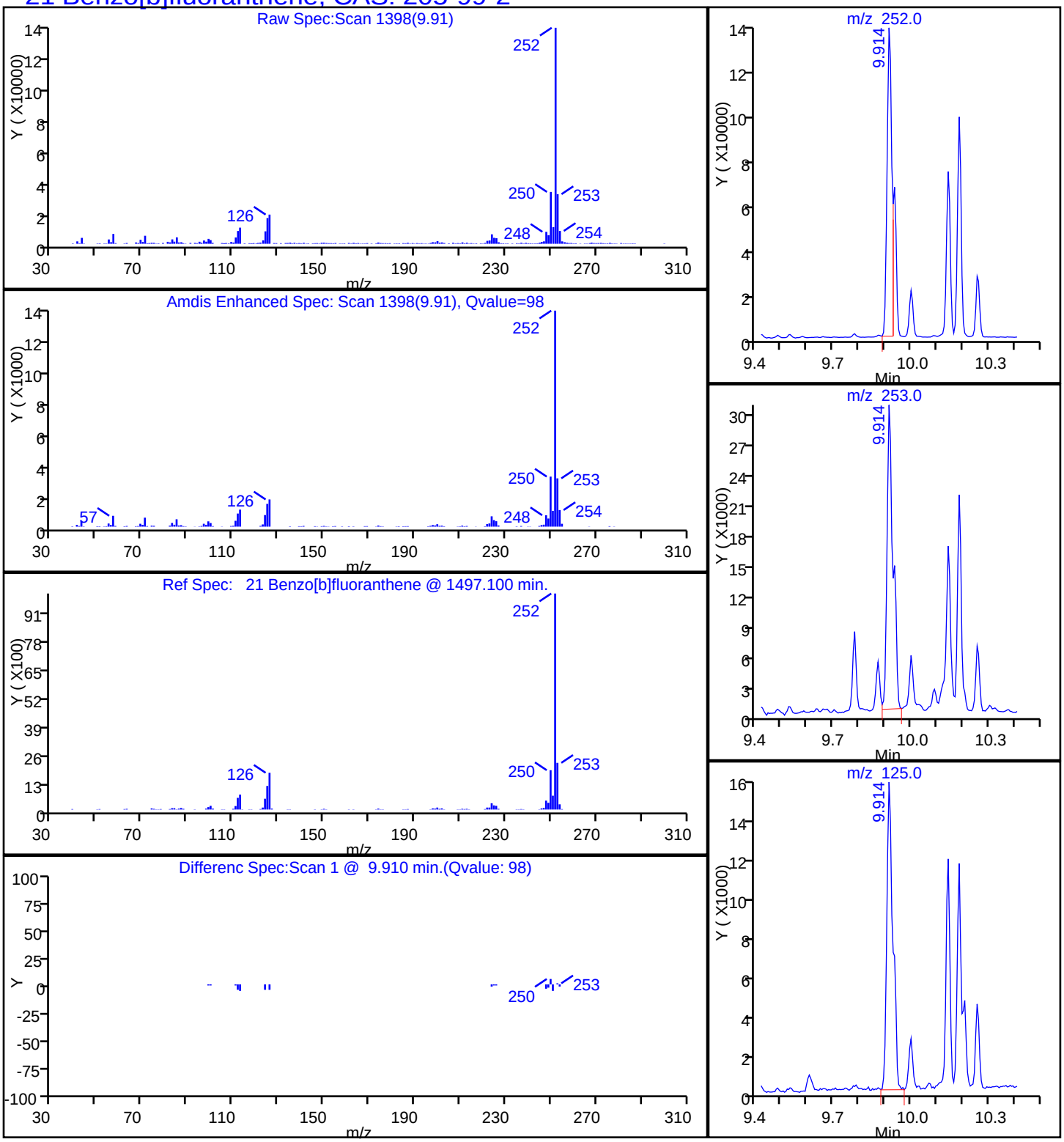
Client ID:	CV0509X-CS6				
Operator ID:	RM	ALS Bottle#:	23	Worklist Smp#:	23
Injection Vol:	2.0 ul	Dil. Factor:	10.0000		
Method:	8270D_LLPAH_MSY	Limit Group:	8270D_LL_PAH		
Column:	Restek RXi-5Sil MS (0.25 mm)	Detector	MS SCAN		

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



Report Date: 20-Oct-2014 09:22:16 Chrom Revision: 2.2 18-Aug-2014 12:17:36

TestAmerica Savannah

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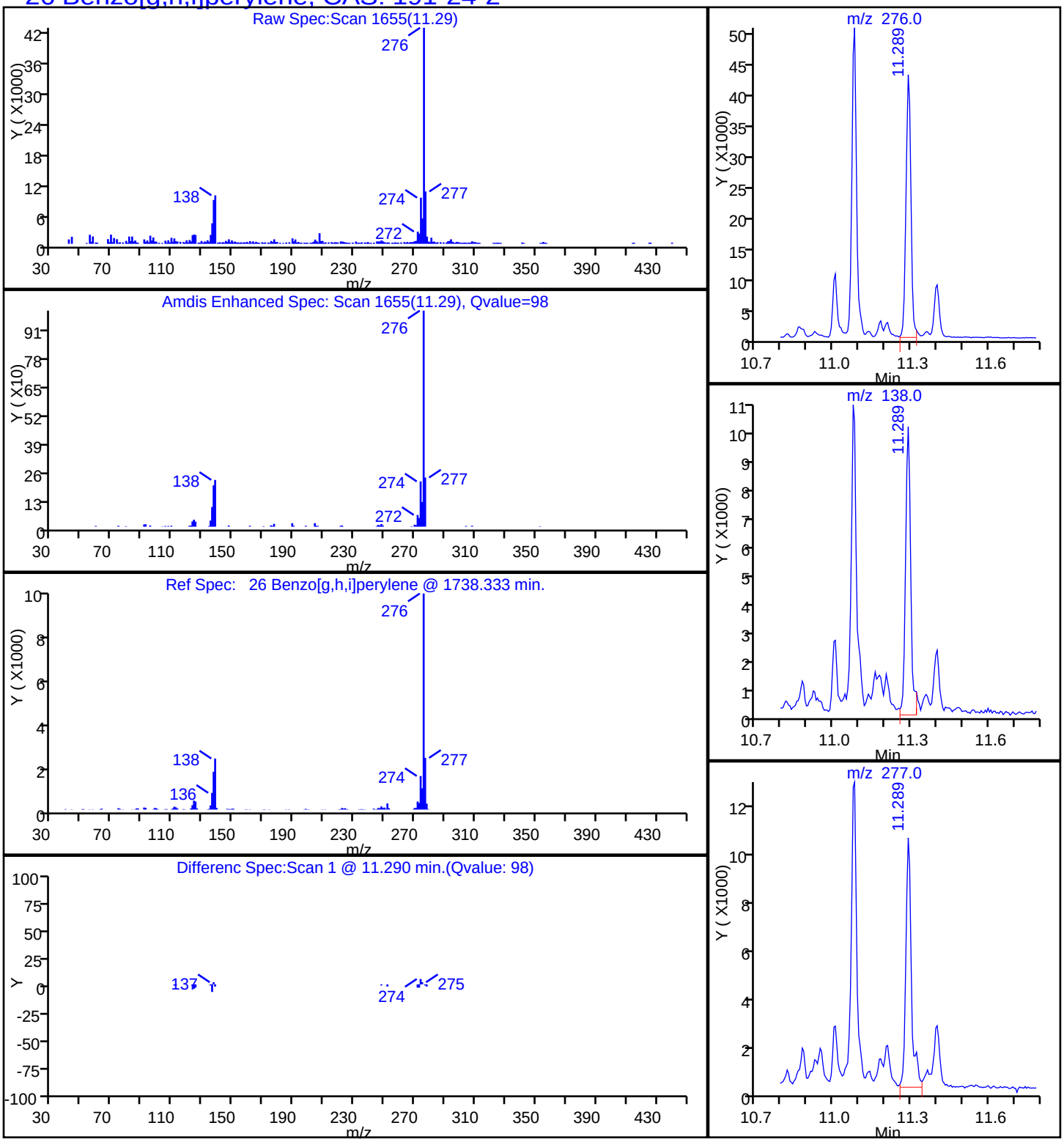
Lims ID:	680-106200-A-55-A	Lab Sample ID:	680-106200-55		
Client ID:	CV0509X-CS6				
Operator ID:	RM	ALS Bottle#:	23	Worklist Smp#:	23
Injection Vol:	2.0 ul	Dil. Factor:	10.0000		
Method:	8270D_LLPAH_MSY	Limit Group:	8270D_LL_PAH		
Column:	Restek RXi-5Sil MS (0.25 mm)	Detector	MS SCAN		

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



Report Date: 20-Oct-2014 09:22:15 Chrom Revision: 2.2 18-Aug-2014 12:17:36

TestAmerica Savannah

Data File:	\\SAVCHROM\ChromData\CMSY\20141017-13845.b\1YJ1723.D				
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Lims ID:	680-106200-A-55-A	Lab Sample ID:	680-106200-55		
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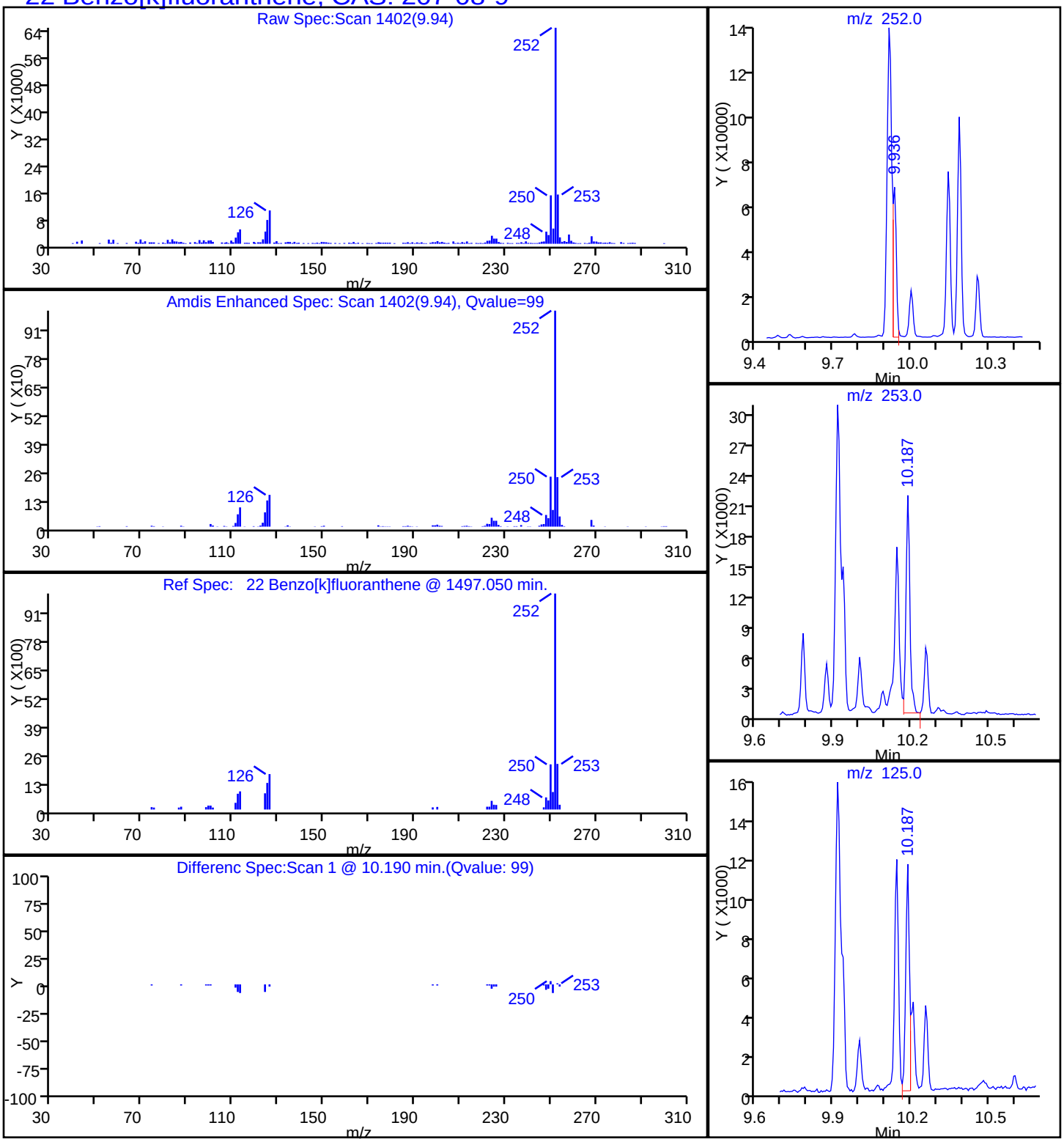
Injection Vol:	2.0 ul	Dil. Factor:	10.0000		
Method:	8270D_LLPAH_MSY	Limit Group:	8270D_LL_PAH		
Column:	Restek RXi-5Sil MS (0.25 mm)	Detector	MS SCAN		

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



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TestAmerica Savannah

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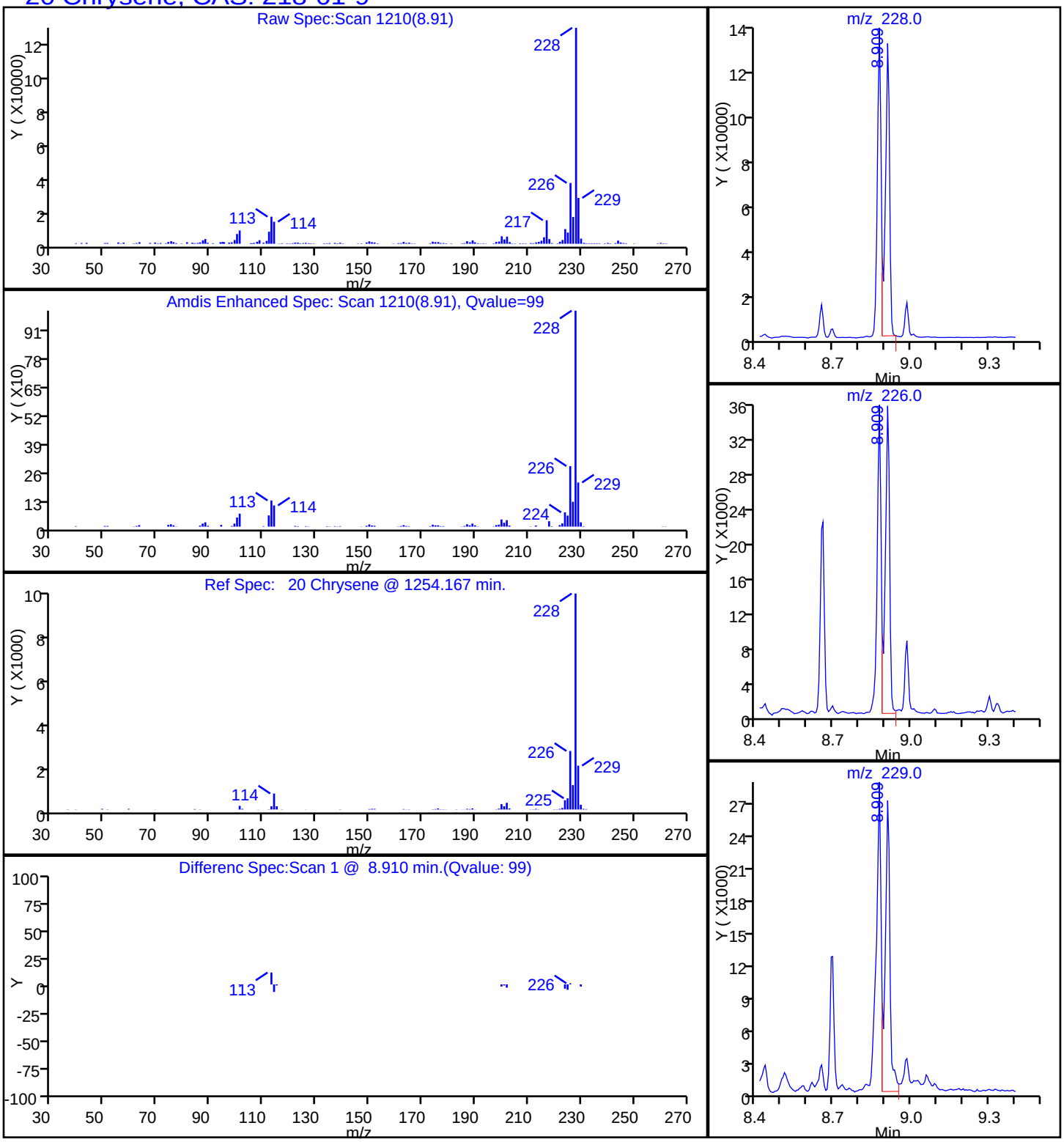
Method:	8270D_LLPAH_MSY	Limit Group:	8270D_LL_PAH		
Column:	Restek RXi-5Sil MS (0.25 mm)	Detector	MS SCAN		

20 Chrysene, CAS: 218-01-9



Report Date: 20-Oct-2014 09:22:15 Chrom Revision: 2.2 18-Aug-2014 12:17:36

TestAmerica Savannah

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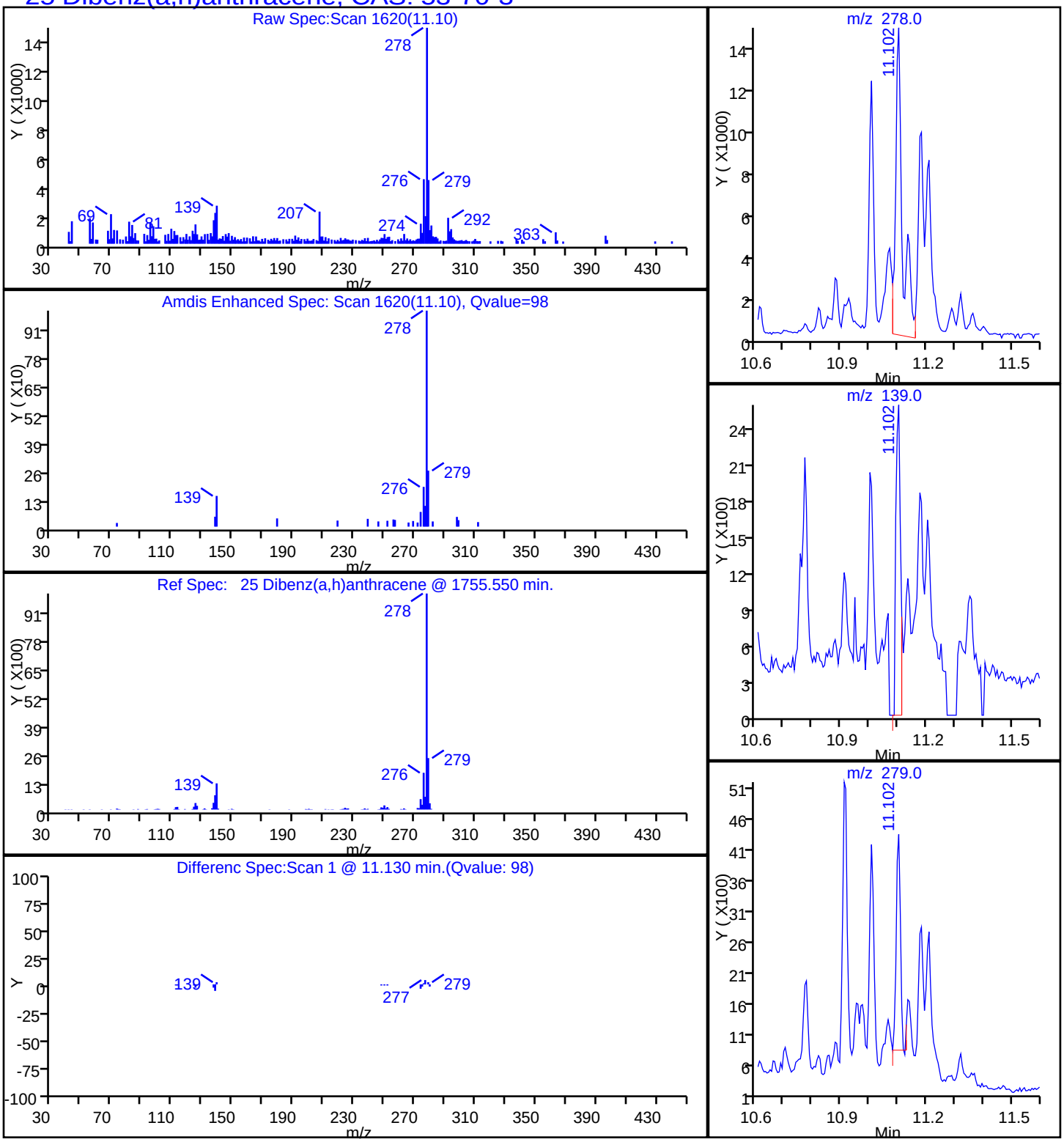
Injection Vol:	2.0 ul	Dil. Factor:	10.0000		
Method:	8270D_LLPAH_MSY	Limit Group:	8270D_LL_PAH		
Column:	Restek RXi-5Sil MS (0.25 mm)	Detector	MS SCAN		

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



Report Date: 20-Oct-2014 09:22:15 Chrom Revision: 2.2 18-Aug-2014 12:17:36

TestAmerica Savannah

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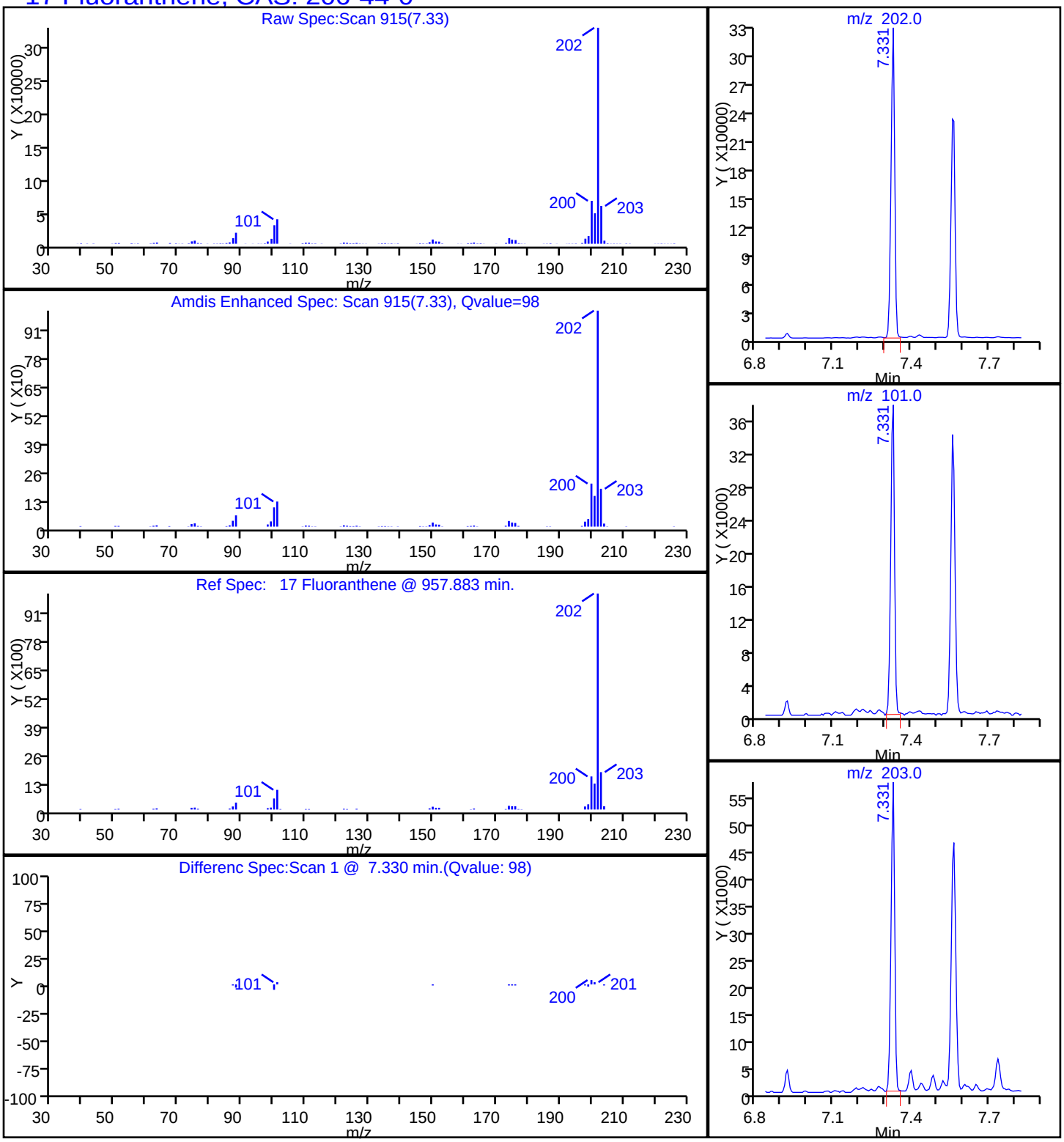
Method:	8270D_LLPAH_MSY	Limit Group:	8270D_LL_PAH		
Column:	Restek RXi-5Sil MS (0.25 mm)	Detector	MS SCAN		

17 Fluoranthene, CAS: 206-44-0



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TestAmerica Savannah

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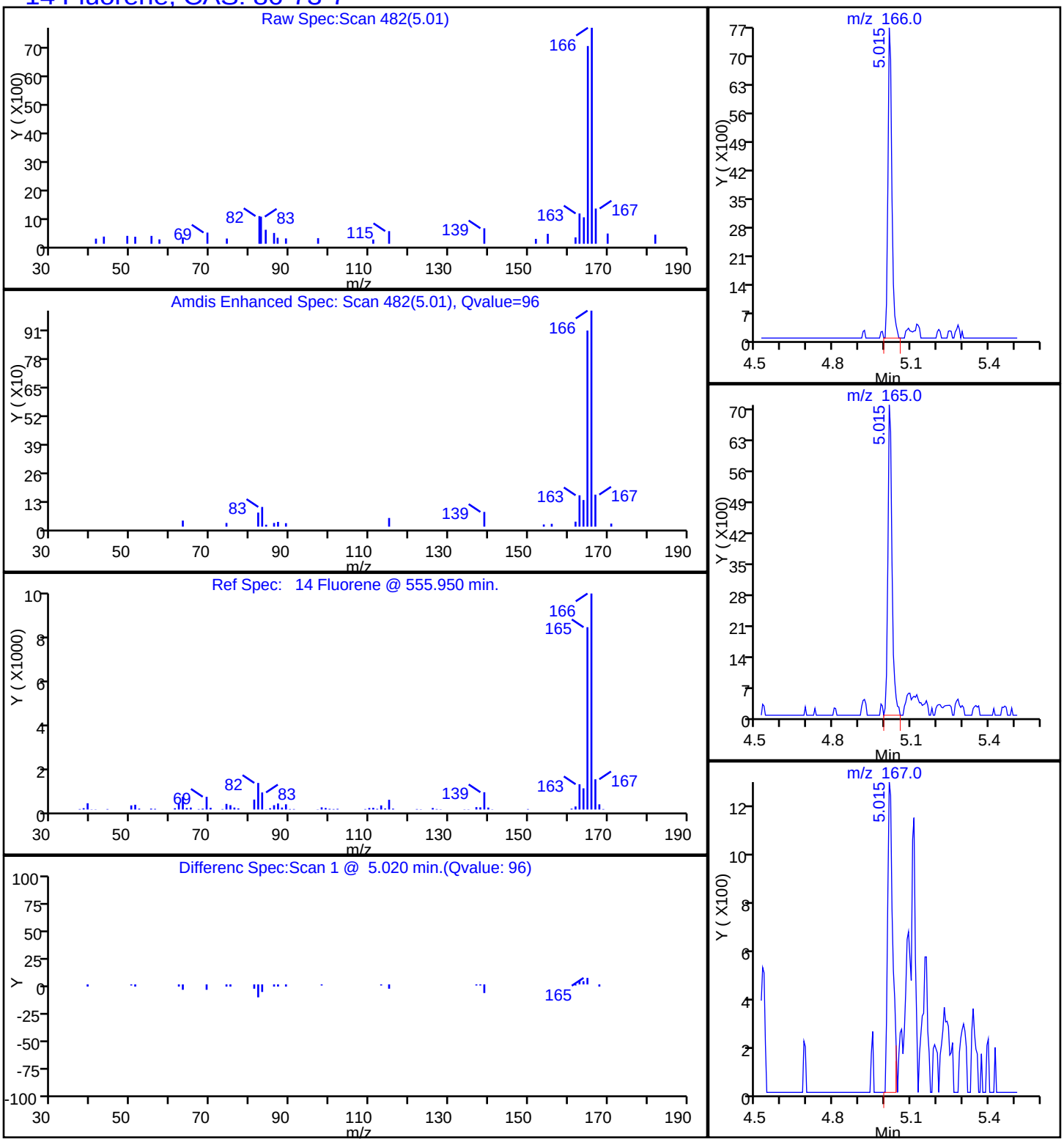
Injection Vol:	2.0 ul	Dil. Factor:	10.0000		
Method:	8270D_LLPAH_MSY	Limit Group:	8270D_LL_PAH		
Column:	Restek RXi-5Sil MS (0.25 mm)	Detector	MS SCAN		

14 Fluorene, CAS: 86-73-7



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TestAmerica Savannah

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Client ID:	CV0509X-CS6				
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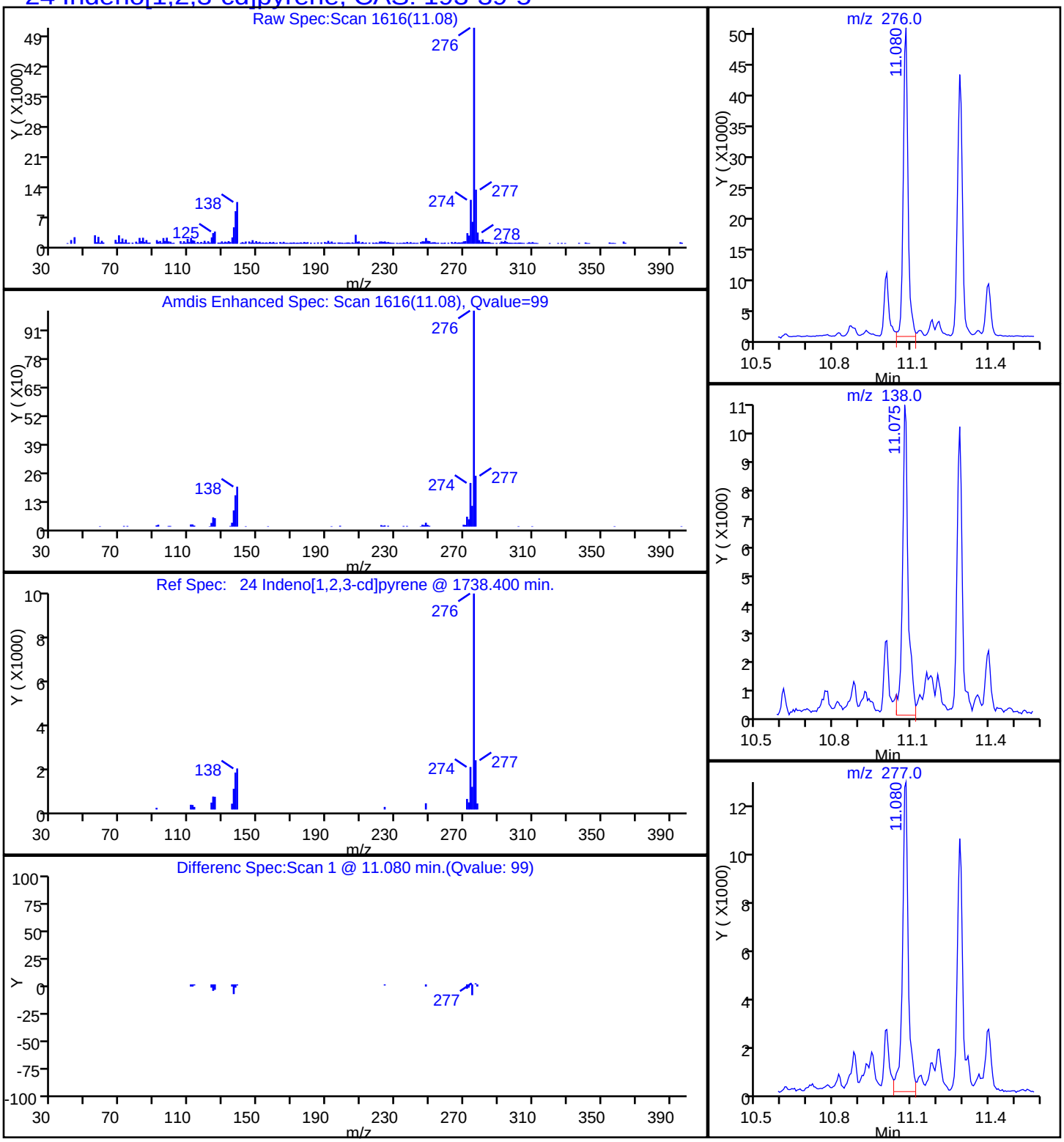
Injection Vol:	2.0 ul	Dil. Factor:	10.0000		
Method:	8270D_LLPAH_MSY	Limit Group:	8270D_LL_PAH		
Column:	Restek RXi-5Sil MS (0.25 mm)	Detector	MS SCAN		

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



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TestAmerica Savannah

Data File:	\\SAVCHROM\ChromData\CMSY\20141017-13845.b\1YJ1723.D				
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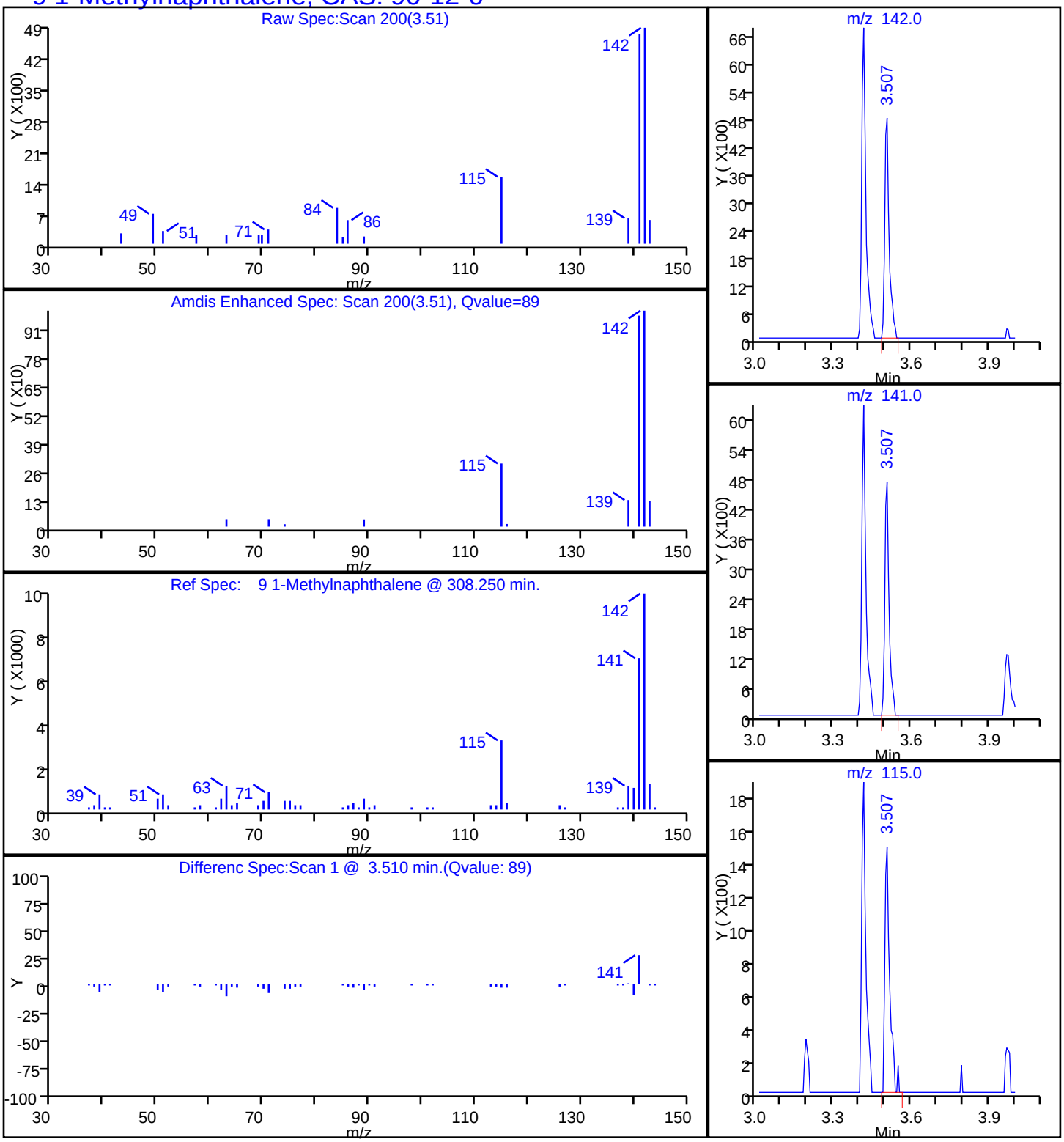
Method:	8270D_LLPAH_MSY	Limit Group:	8270D_LL_PAH		
Column:	Restek RXi-5Sil MS (0.25 mm)	Detector	MS SCAN		

9 1-Methylnaphthalene, CAS: 90-12-0



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TestAmerica Savannah

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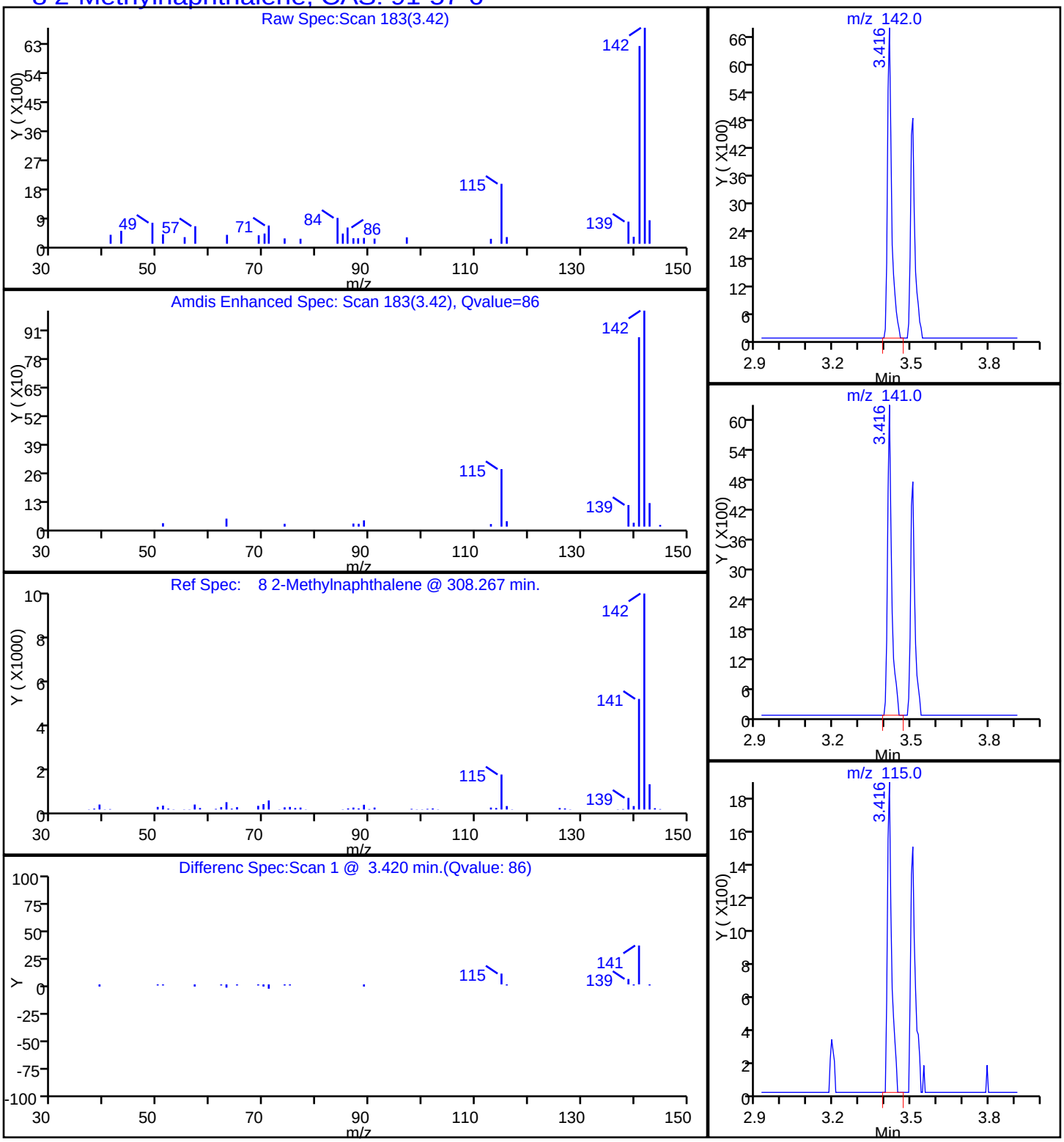
Method:	8270D_LLPAH_MSY	Limit Group:	8270D_LL_PAH		
Column:	Restek RXi-5Sil MS (0.25 mm)	Detector	MS SCAN		

8 2-Methylnaphthalene, CAS: 91-57-6



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TestAmerica Savannah

Data File:	\\SAVCHROM\ChromData\CMSY\20141017-13845.b\1YJ1723.D				
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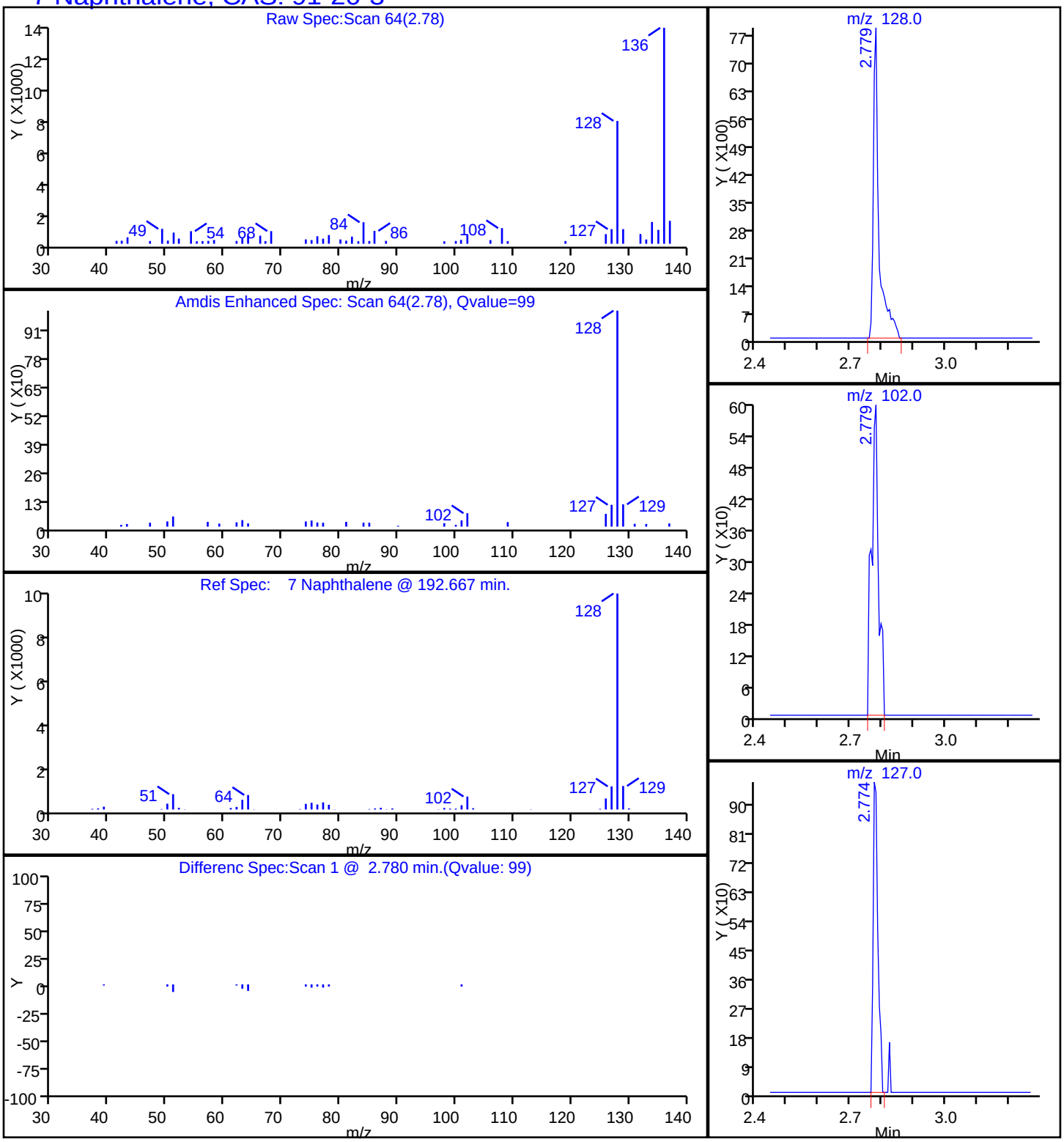
Injection Vol:	2.0 ul	Dil. Factor:	10.0000		
Method:	8270D_LLPAH_MSY	Limit Group:	8270D_LL_PAH		
Column:	Restek RXi-5Sil MS (0.25 mm)	Detector	MS SCAN		

7 Naphthalene, CAS: 91-20-3



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TestAmerica Savannah

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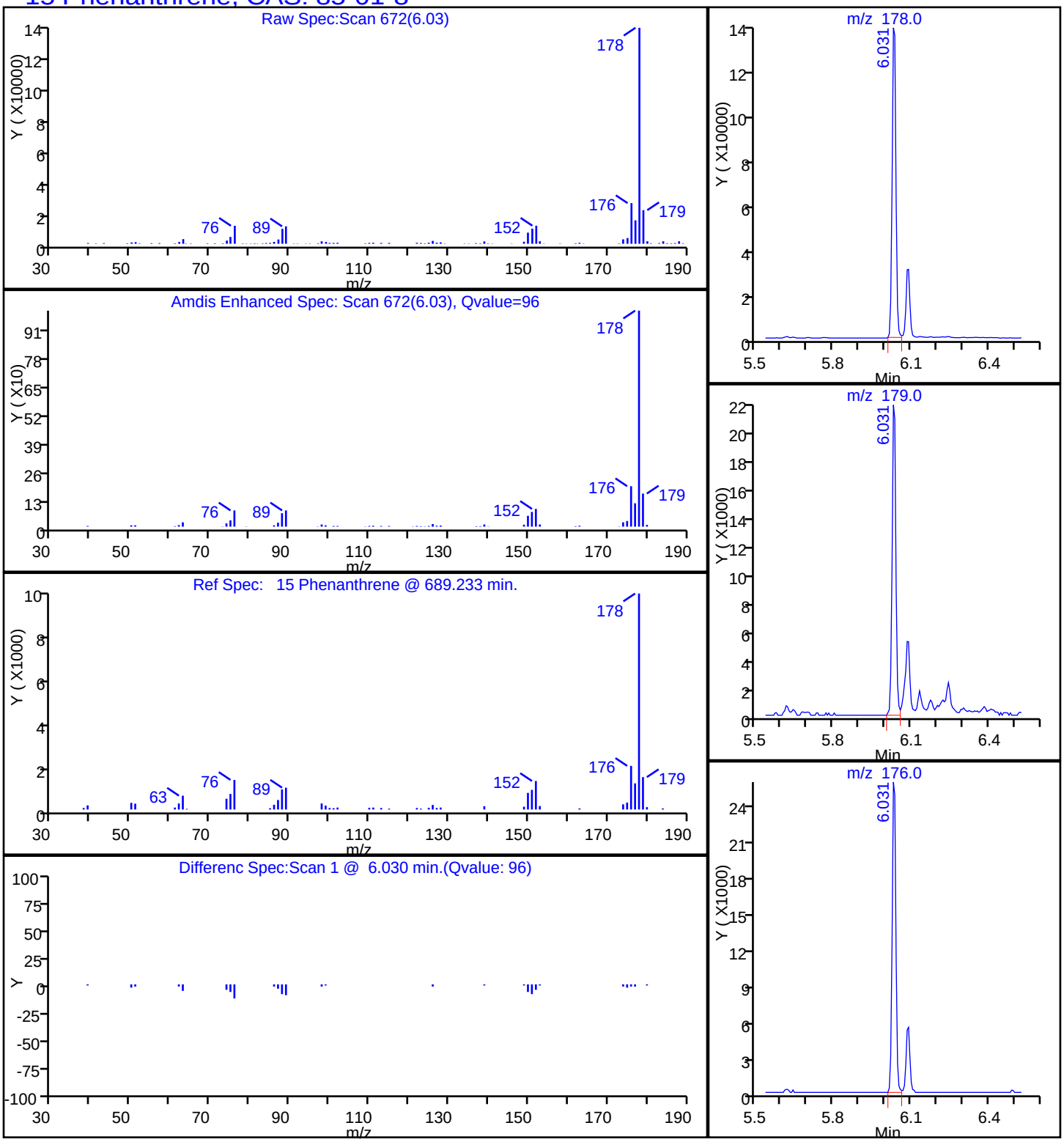
Column:	Restek RXi-5Sil MS (0.25 mm)	Detector	MS SCAN		

15 Phenanthrene, CAS: 85-01-8



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TestAmerica Savannah

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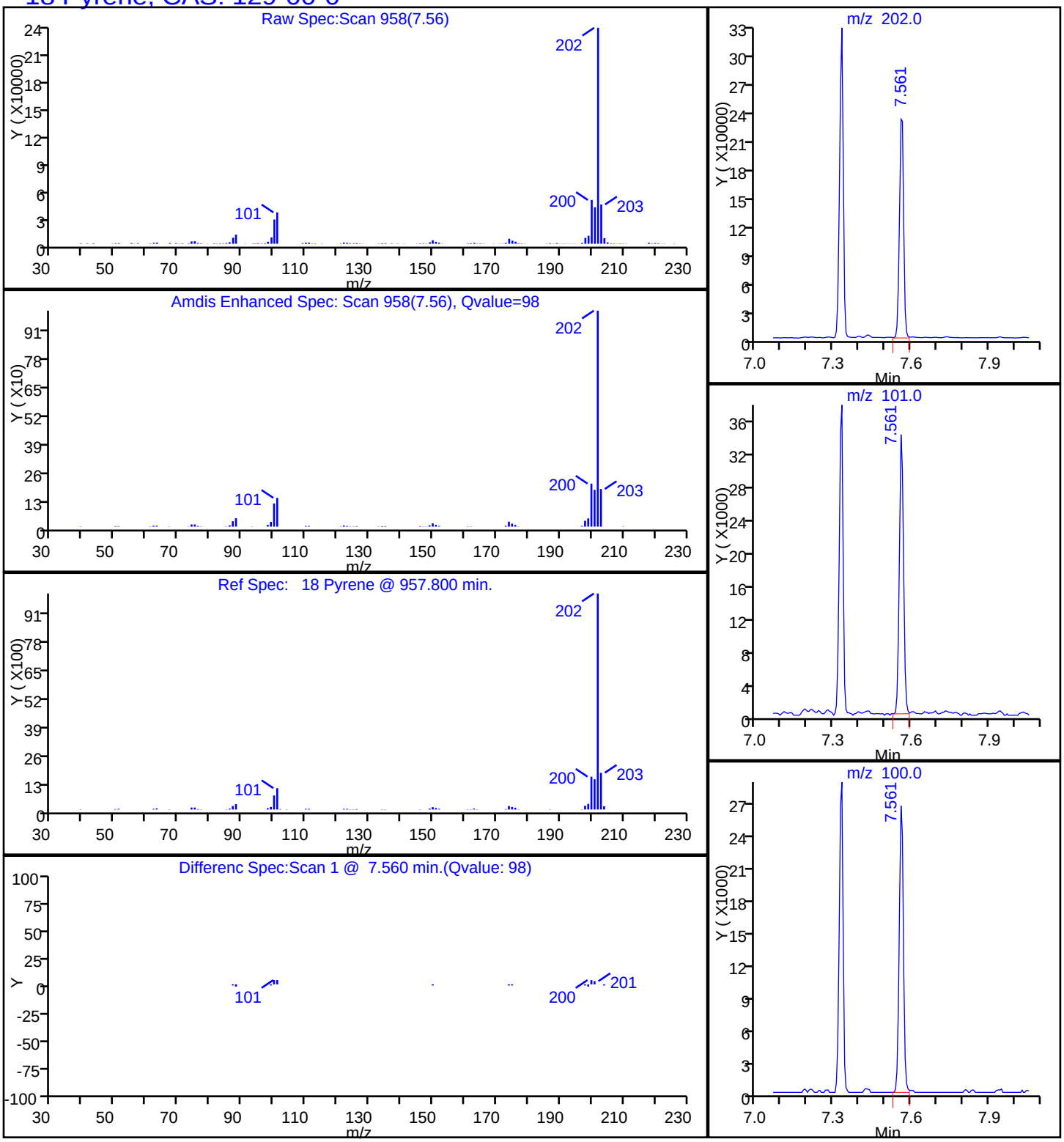
Method:	8270D_LLPAH_MSY	Limit Group:	8270D_LL_PAH		
Column:	Restek RXi-5Sil MS (0.25 mm)	Detector	MS SCAN		

18 Pyrene, CAS: 129-00-0



Manual Integration/User Assign Peak Report

TestAmerica Savannah

Data File:	\\SAVCHROM\ChromData\CMSY\20141017-13845.b\1YJ1723.D				
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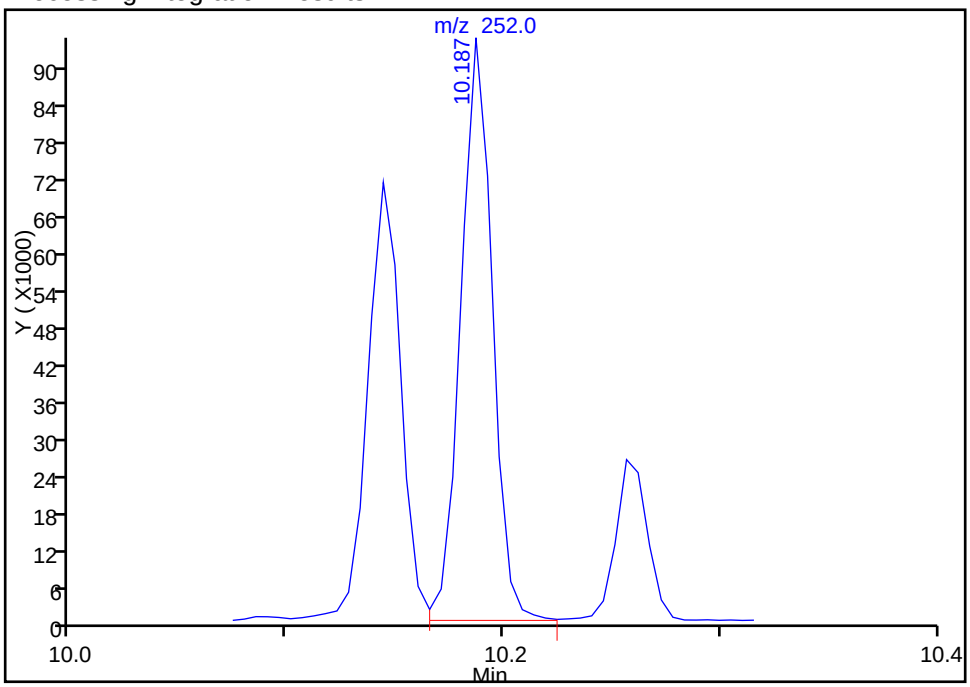
Lims ID:	680-106200-A-55-A	Lab Sample ID:	680-106200-55		
Client ID:	CV0509X-CS6				
Operator ID:	RM	ALS Bottle#:	23	Worklist Smp#:	23
Injection Vol:	2.0 ul	Dil. Factor:	10.0000		
Method:	8270D_LLPAH_MSY	Limit Group:	8270D_LL_PAH		
Column:	Restek RXi-5Sil MS (0.25 mm)	Detector	MS SCAN		

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

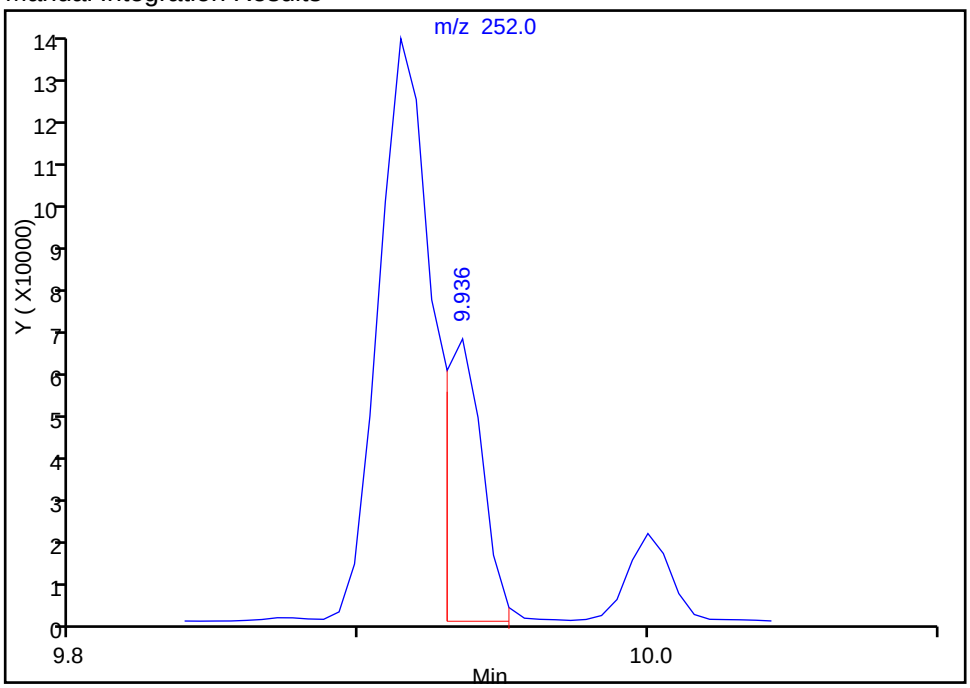
Processing Integration Results

RT: 10.19
Response: 94865
Amount: 2.183027



Manual Integration Results

RT: 9.94
Response: 59482
Amount: 1.364013



Reviewer: webbk, 20-Oct-2014 09:08:13
Audit Action: Manually Integrated
Audit Reason: Split Peak

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Savannah | Job No.: 680-106200-4

SDG No.: 680-106200-04

Client Sample ID: CV0509X-CS12 | Lab Sample ID: 680-106200-56

Matrix: Solid | Lab File ID: 1YJ1724.D

Analysis Method: 8270D_LL_PAH | Date Collected: 10/07/2014 10:30

Extract. Method: 3546 | Date Extracted: 10/15/2014 14:21

Sample wt/vol: 30.03(g) | Date Analyzed: 10/17/2014 18:07

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

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

% Moisture: 10.3 | GPC Cleanup:(Y/N) N

Analysis Batch No.: 354069 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
83-32-9	Acenaphthene	53	J	75	37
208-96-8	Acenaphthylene	75	U	75	37
120-12-7	Anthracene	94		75	37
56-55-3	Benzo[a]anthracene	390		75	37
50-32-8	Benzo[a]pyrene	350		75	13
205-99-2	Benzo[b]fluoranthene	510		75	37
191-24-2	Benzo[g,h,i]perylene	290		75	37
207-08-9	Benzo[k]fluoranthene	240		75	22
218-01-9	Chrysene	400		75	37
53-70-3	Dibenz(a,h)anthracene	150		75	37
206-44-0	Fluoranthene	690		75	37
86-73-7	Fluorene	48	J	75	37
193-39-5	Indeno[1,2,3-cd]pyrene	190		75	37
90-12-0	1-Methylnaphthalene	75	U	75	35
91-57-6	2-Methylnaphthalene	40	J	75	37
91-20-3	Naphthalene	75	U	75	37
85-01-8	Phenanthrene	420		75	27
129-00-0	Pyrene	620		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\CMSY\20141017-13845.b\1YJ1724.D
Lims ID: 680-106200-A-56-A Lab Sample ID: 680-106200-56
Client ID: CV0509X-CS12
Sample Type: Client
Inject. Date: 17-Oct-2014 18:07:30 ALS Bottle#: 24 Worklist Smp#: 24
Injection Vol: 2.0 ul Dil. Factor: 10.0000
Sample Info: 106200-A-56-A 1:10
Misc. Info.: 680-0013845-024
Operator ID: RM Instrument ID: CMSY

Method: \\SAVCHROM\ChromData\CMSY\20141017-13845.b\8270D_LLPAH_MSY.m
Limit Group: 8270D_LL_PAH
Last Update: 20-Oct-2014 09:21:49 Calib Date: 07-Oct-2014 15:41:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\SAVCHROM\ChromData\CMSY\20141007-13559.b\3YJ0707.D

Column 1 : Restek RXi-5Sil MS (0.25 mm) Det: MS SCAN
Process Host: XAWRK024

First Level Reviewer: webbk Date: 20-Oct-2014 09:09:04

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/ml	Flags
* 1 Naphthalene-d8	136	2.763	2.753	0.010	98	125739	2.00	
* 2 Acenaphthene-d10	164	4.443	4.437	0.006	92	69485	2.00	
* 3 Phenanthrene-d10	188	6.010	6.005	0.006	98	119204	2.00	
* 4 Chrysene-d12	240	8.882	8.877	0.005	99	97209	2.00	
* 5 Perylene-d12	264	10.235	10.225	0.010	99	71343	2.00	
7 Naphthalene	128	2.779	2.774	0.005	99	6628	0.0966	
8 2-Methylnaphthalene	142	3.416	3.410	0.006	85	4846	0.1066	
9 1-Methylnaphthalene	142	3.507	3.501	0.006	90	3428	0.0813	
12 Acenaphthene	153	4.475	4.469	0.006	93	6156	0.1423	
14 Fluorene	166	5.020	5.015	0.005	95	6167	0.1291	
15 Phenanthrene	178	6.031	6.031	0.000	96	79941	1.12	
16 Anthracene	178	6.090	6.085	0.005	99	17962	0.2532	
17 Fluoranthene	202	7.326	7.320	0.006	98	140038	1.85	
18 Pyrene	202	7.561	7.556	0.005	98	105825	1.67	
19 Benzo[a]anthracene	228	8.877	8.866	0.011	98	59517	1.05	
20 Chrysene	228	8.909	8.903	0.006	99	57628	1.07	
21 Benzo[b]fluoranthene	252	9.914	9.904	0.010	99	64422	1.37	M
22 Benzo[k]fluoranthene	252	9.925	9.930	-0.005	98	29763	0.6541	M
23 Benzo[a]pyrene	252	10.187	10.176	0.011	98	36136	0.9363	
24 Indeno[1,2,3-cd]pyrene	276	11.075	11.070	0.005	99	27651	0.5181	
25 Dibenz(a,h)anthracene	278	11.096	11.091	0.005	96	13727	0.4069	
26 Benzo[g,h,i]perylene	276	11.284	11.273	0.011	98	27100	0.7699	

QC Flag Legend

Review Flags
M - Manually Integrated

Reagents:

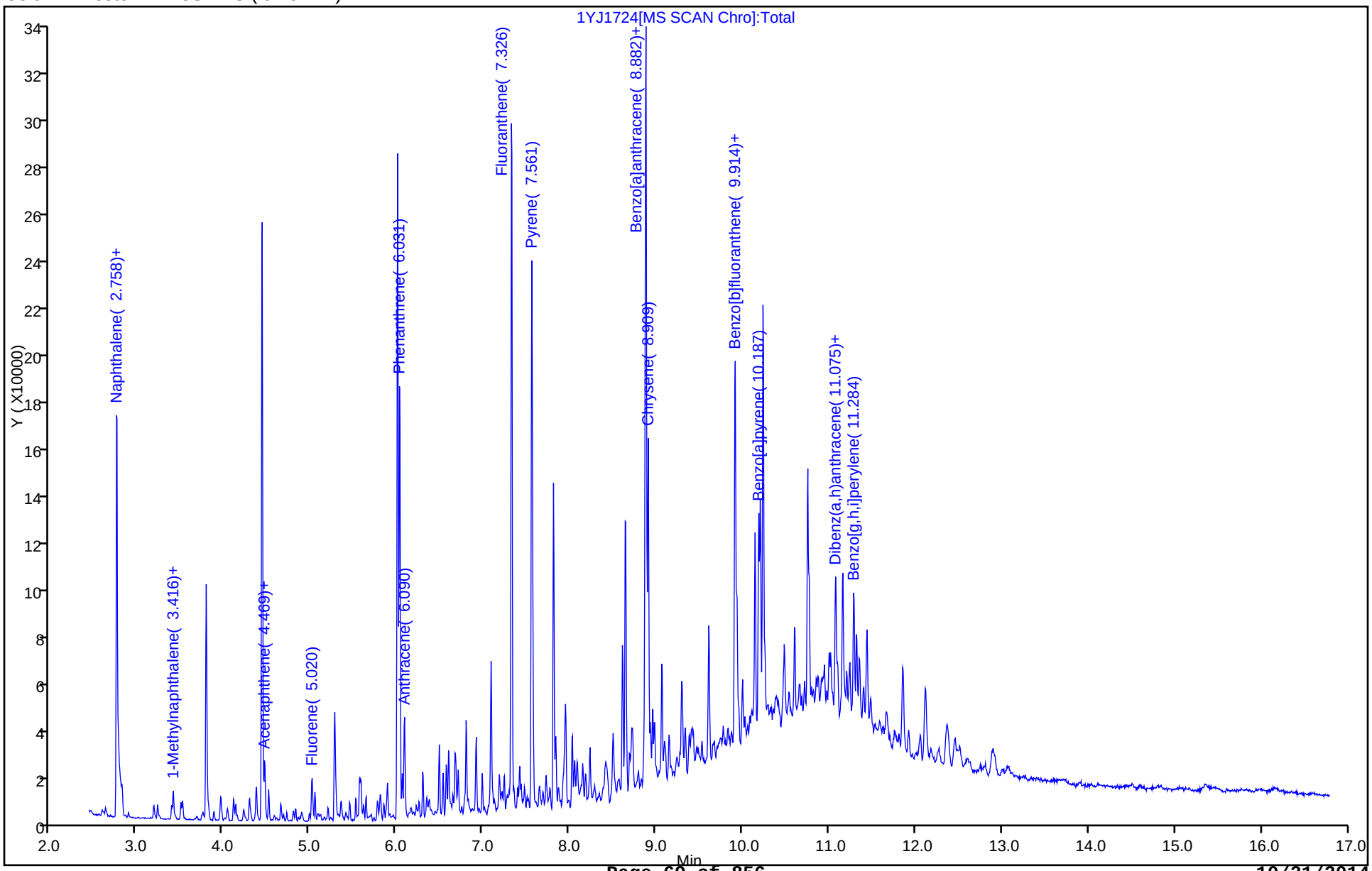
SM-LLISTD_00106 Amount Added: 10.00 Units: uL Run Reagent

Report Date: 20-Oct-2014 09:22:16 Chrom Revision: 2.2 18-Aug-2014 12:17:36

TestAmerica Savannah

Data File:	\\SAVCHROM\ChromData\CMSY\20141017-13845.b\1YJ1724.D				
Injection Date:	17-Oct-2014 18:07:30	Instrument ID:	CMSY	Operator ID:	RM
Lims ID:	680-106200-A-56-A	Lab Sample ID:	680-106200-56	Worklist Smp#:	24
Client ID:	CV0509X-CS12				
Injection Vol:	2.0 ul	Dil. Factor:	10.0000	ALS Bottle#:	24
Method:	8270D_LLPAH_MSY	Limit Group:	8270D_LL_PAH		

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



Report Date: 20-Oct-2014 09:22:16 Chrom Revision: 2.2 18-Aug-2014 12:17:36

TestAmerica Savannah

Data File:	\\SAVCHROM\ChromData\CMSY\20141017-13845.b\1YJ1724.D				
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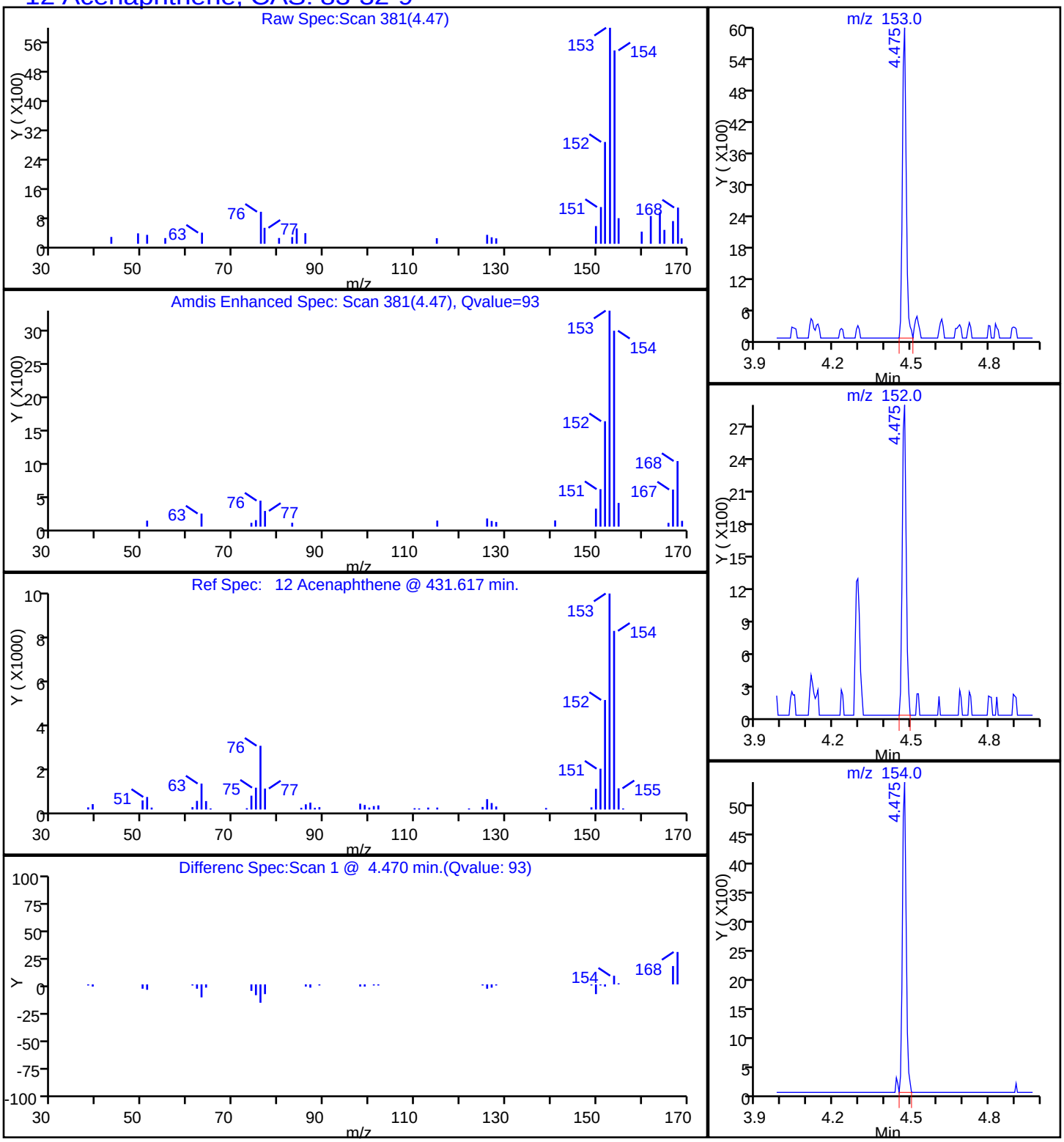
Lims ID:	680-106200-A-56-A	Lab Sample ID:	680-106200-56		
Client ID:	CV0509X-CS12				
Operator ID:	RM	ALS Bottle#:	24	Worklist Smp#:	24
Injection Vol:	2.0 ul	Dil. Factor:	10.0000		
Method:	8270D_LLPAH_MSY	Limit Group:	8270D_LL_PAH		
Column:	Restek RXi-5Sil MS (0.25 mm)	Detector	MS SCAN		

12 Acenaphthene, CAS: 83-32-9



Report Date: 20-Oct-2014 09:22:16 Chrom Revision: 2.2 18-Aug-2014 12:17:36

TestAmerica Savannah

Data File:	\\SAVCHROM\ChromData\CMSY\20141017-13845.b\1YJ1724.D				
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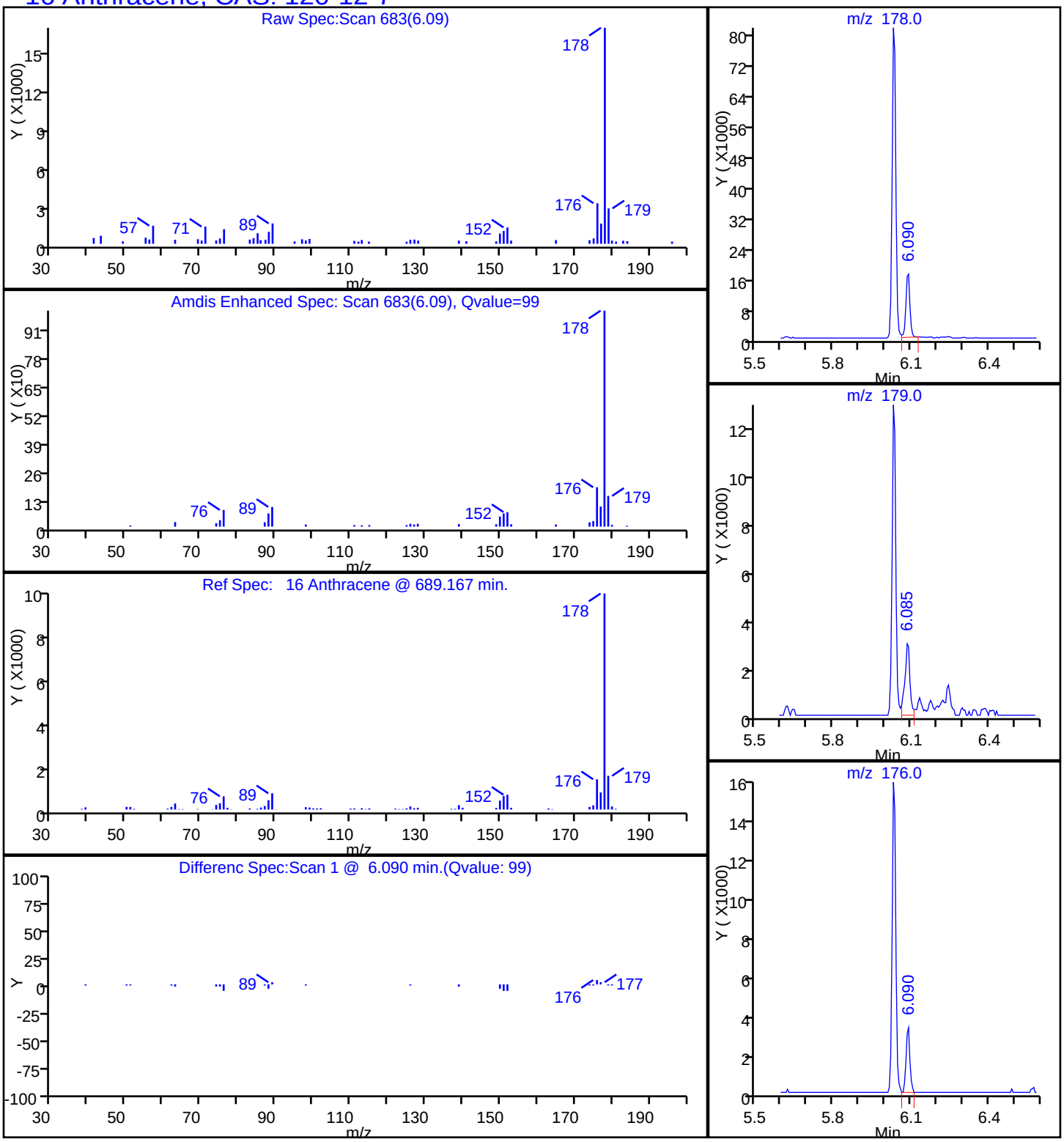
Lims ID:	680-106200-A-56-A	Lab Sample ID:	680-106200-56		
Client ID:	CV0509X-CS12				
Operator ID:	RM	ALS Bottle#:	24	Worklist Smp#:	24
Injection Vol:	2.0 ul	Dil. Factor:	10.0000		
Method:	8270D_LLPAH_MSY	Limit Group:	8270D_LL_PAH		
Column:	Restek RXi-5Sil MS (0.25 mm)	Detector	MS SCAN		

16 Anthracene, CAS: 120-12-7



Report Date: 20-Oct-2014 09:22:16 Chrom Revision: 2.2 18-Aug-2014 12:17:36

TestAmerica Savannah

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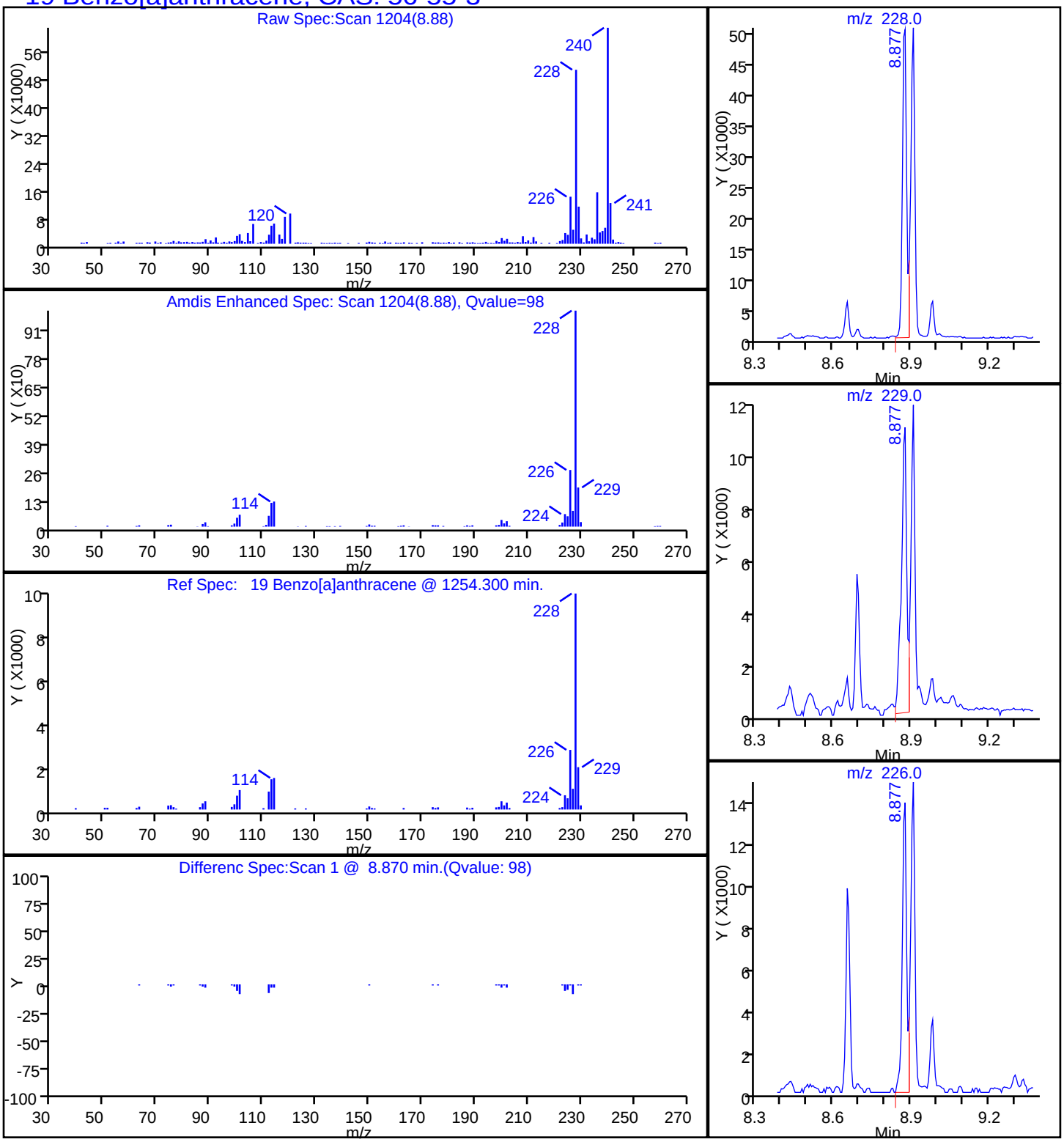
Client ID:	CV0509X-CS12				
Operator ID:	RM	ALS Bottle#:	24	Worklist Smp#:	24
Injection Vol:	2.0 ul	Dil. Factor:	10.0000		
Method:	8270D_LLPAH_MSY	Limit Group:	8270D_LL_PAH		
Column:	Restek RXi-5Sil MS (0.25 mm)	Detector	MS SCAN		

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



Report Date: 20-Oct-2014 09:22:16 Chrom Revision: 2.2 18-Aug-2014 12:17:36

TestAmerica Savannah

Data File:	\\SAVCHROM\ChromData\CMSY\20141017-13845.b\1YJ1724.D				
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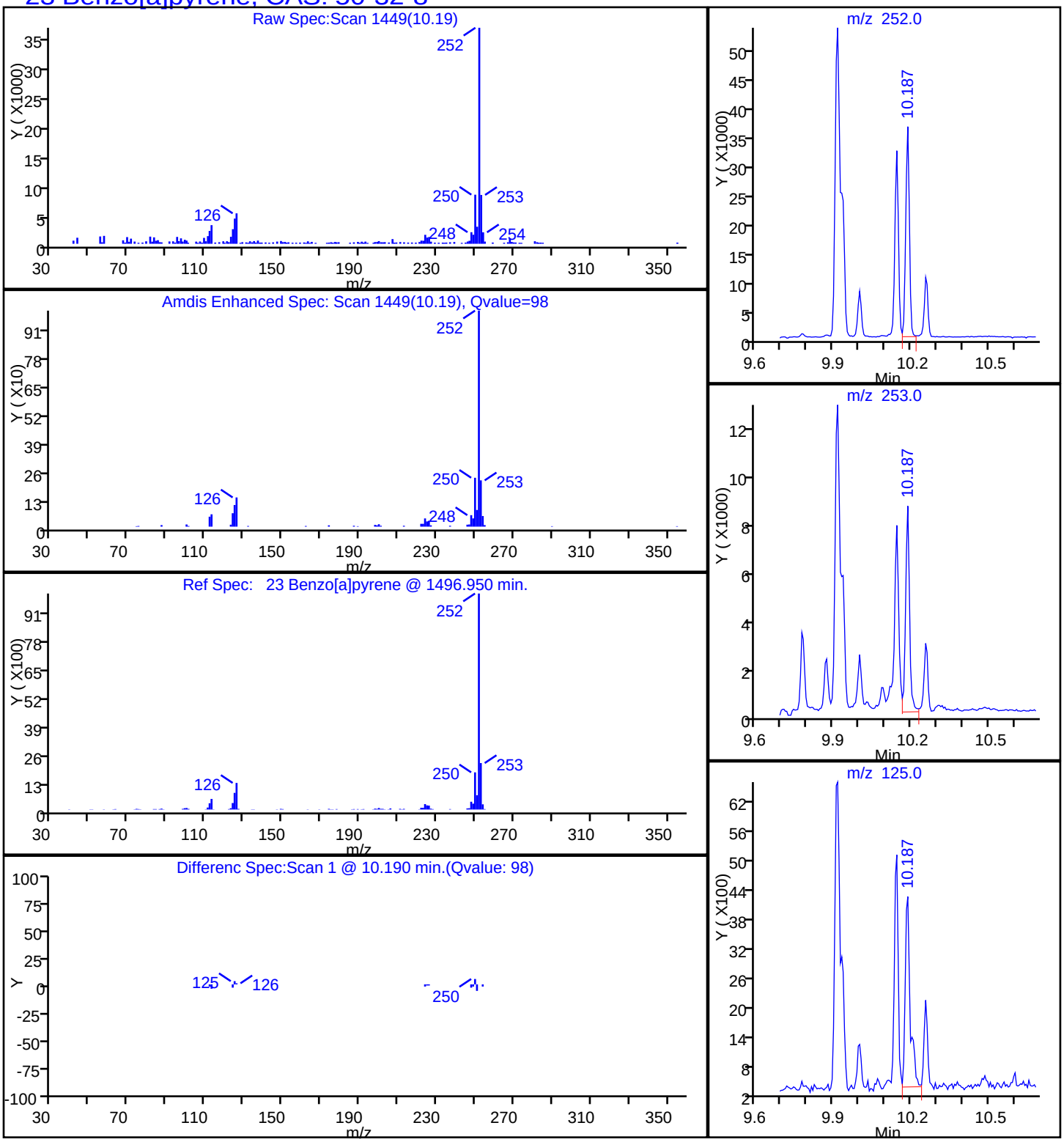
Lims ID:	680-106200-A-56-A	Lab Sample ID:	680-106200-56		
Client ID:	CV0509X-CS12				
Operator ID:	RM	ALS Bottle#:	24	Worklist Smp#:	24
Injection Vol:	2.0 ul	Dil. Factor:	10.0000		
Method:	8270D_LLPAH_MSY	Limit Group:	8270D_LL_PAH		
Column:	Restek RXi-5Sil MS (0.25 mm)	Detector	MS SCAN		

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



Report Date: 20-Oct-2014 09:22:16 Chrom Revision: 2.2 18-Aug-2014 12:17:36

TestAmerica Savannah

Data File:	\\SAVCHROM\ChromData\CMSY\20141017-13845.b\1YJ1724.D				
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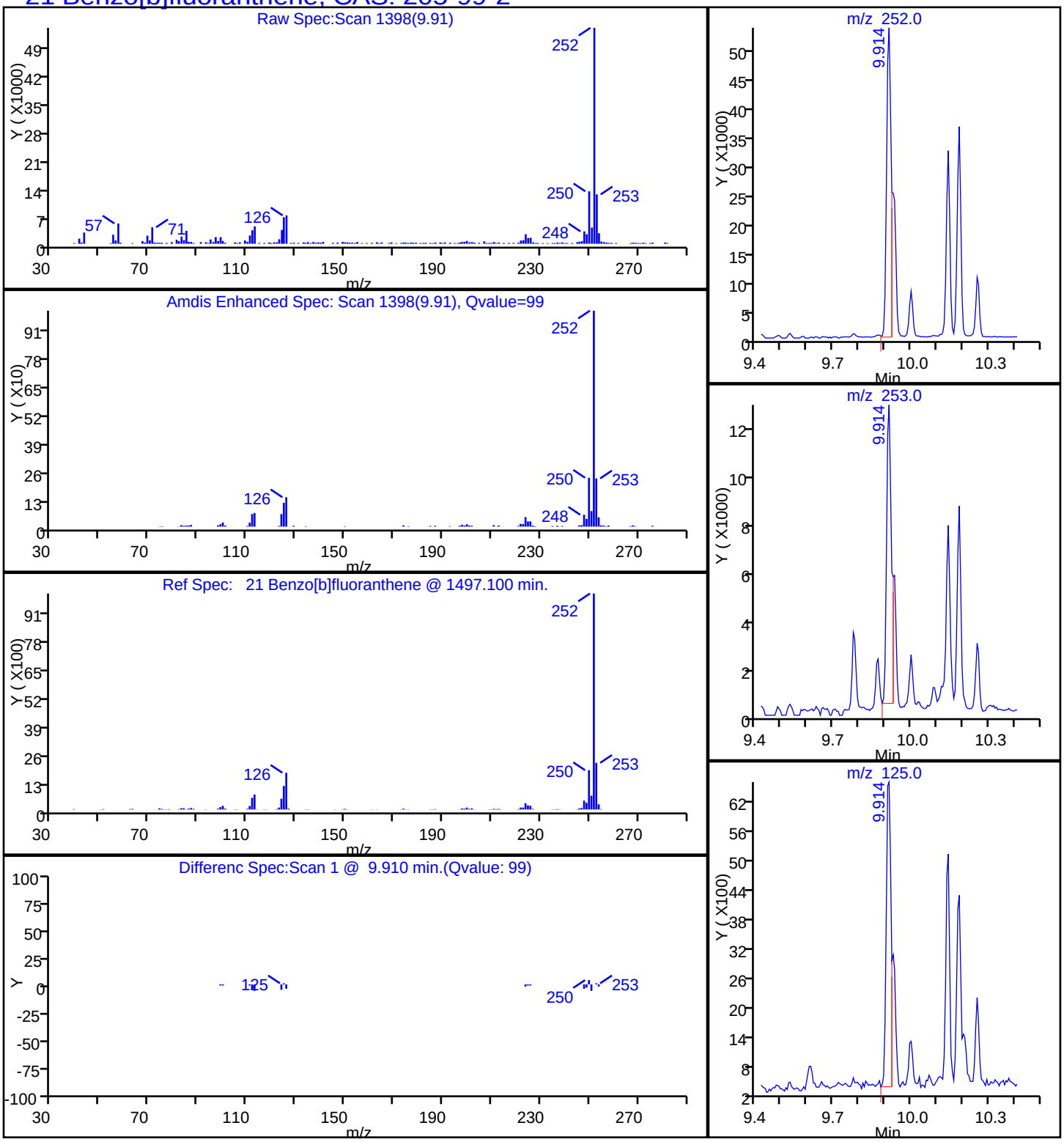
Lims ID:	680-106200-A-56-A	Lab Sample ID:	680-106200-56		
Client ID:	CV0509X-CS12				
Operator ID:	RM	ALS Bottle#:	24	Worklist Smp#:	24
Injection Vol:	2.0 ul	Dil. Factor:	10.0000		
Method:	8270D_LLPAH_MSY	Limit Group:	8270D_LL_PAH		
Column:	Restek RXi-5Sil MS (0.25 mm)	Detector	MS SCAN		

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



Report Date: 20-Oct-2014 09:22:17 Chrom Revision: 2.2 18-Aug-2014 12:17:36

TestAmerica Savannah

Data File:	\\SAVCHROM\ChromData\CMSY\20141017-13845.b\1YJ1724.D				
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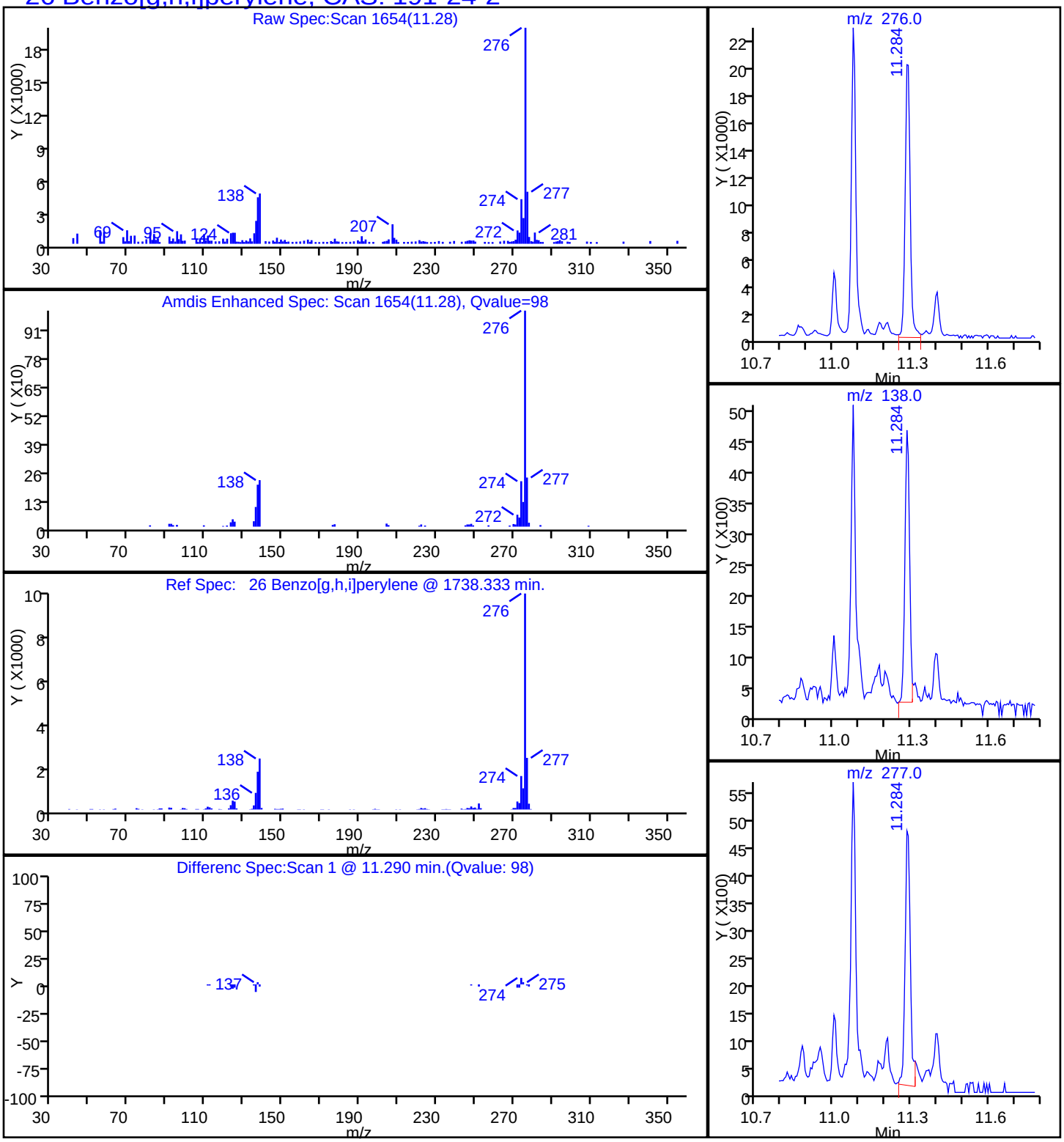
Lims ID:	680-106200-A-56-A	Lab Sample ID:	680-106200-56		
Client ID:	CV0509X-CS12				
Operator ID:	RM	ALS Bottle#:	24	Worklist Smp#:	24
Injection Vol:	2.0 ul	Dil. Factor:	10.0000		
Method:	8270D_LLPAH_MSY	Limit Group:	8270D_LL_PAH		
Column:	Restek RXi-5Sil MS (0.25 mm)	Detector	MS SCAN		

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



Report Date: 20-Oct-2014 09:22:16 Chrom Revision: 2.2 18-Aug-2014 12:17:36

TestAmerica Savannah

Data File:	\\SAVCHROM\ChromData\CMSY\20141017-13845.b\1YJ1724.D				
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Lims ID:	680-106200-A-56-A	Lab Sample ID:	680-106200-56		
Client ID:	CV0509X-CS12				
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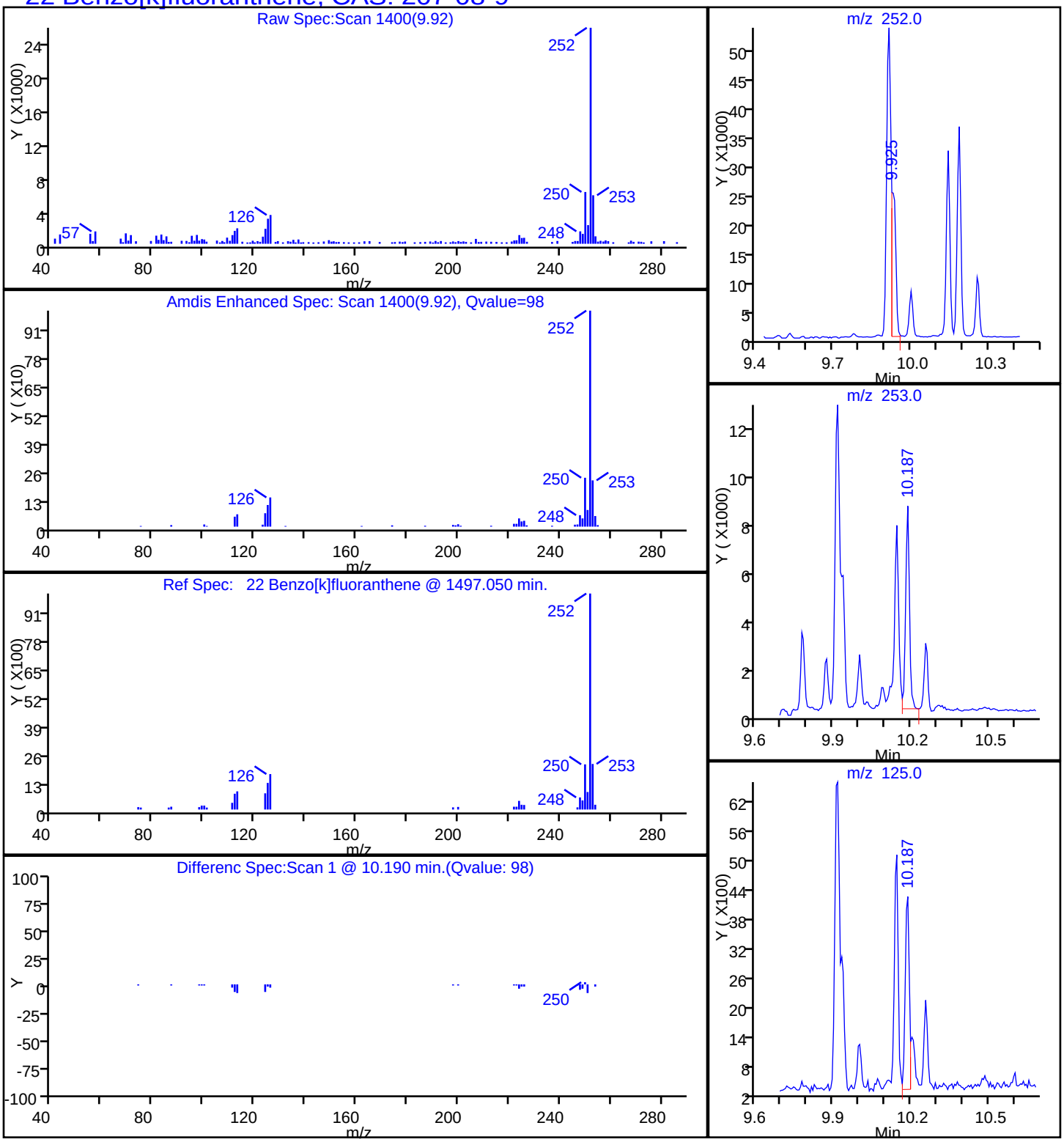
Injection Vol:	2.0 ul	Dil. Factor:	10.0000		
Method:	8270D_LLPAH_MSY	Limit Group:	8270D_LL_PAH		
Column:	Restek RXi-5Sil MS (0.25 mm)	Detector	MS SCAN		

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



Report Date: 20-Oct-2014 09:22:16 Chrom Revision: 2.2 18-Aug-2014 12:17:36

TestAmerica Savannah

Data File:	\\SAVCHROM\ChromData\CMSY\20141017-13845.b\1YJ1724.D				
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Client ID:	CV0509X-CS12				
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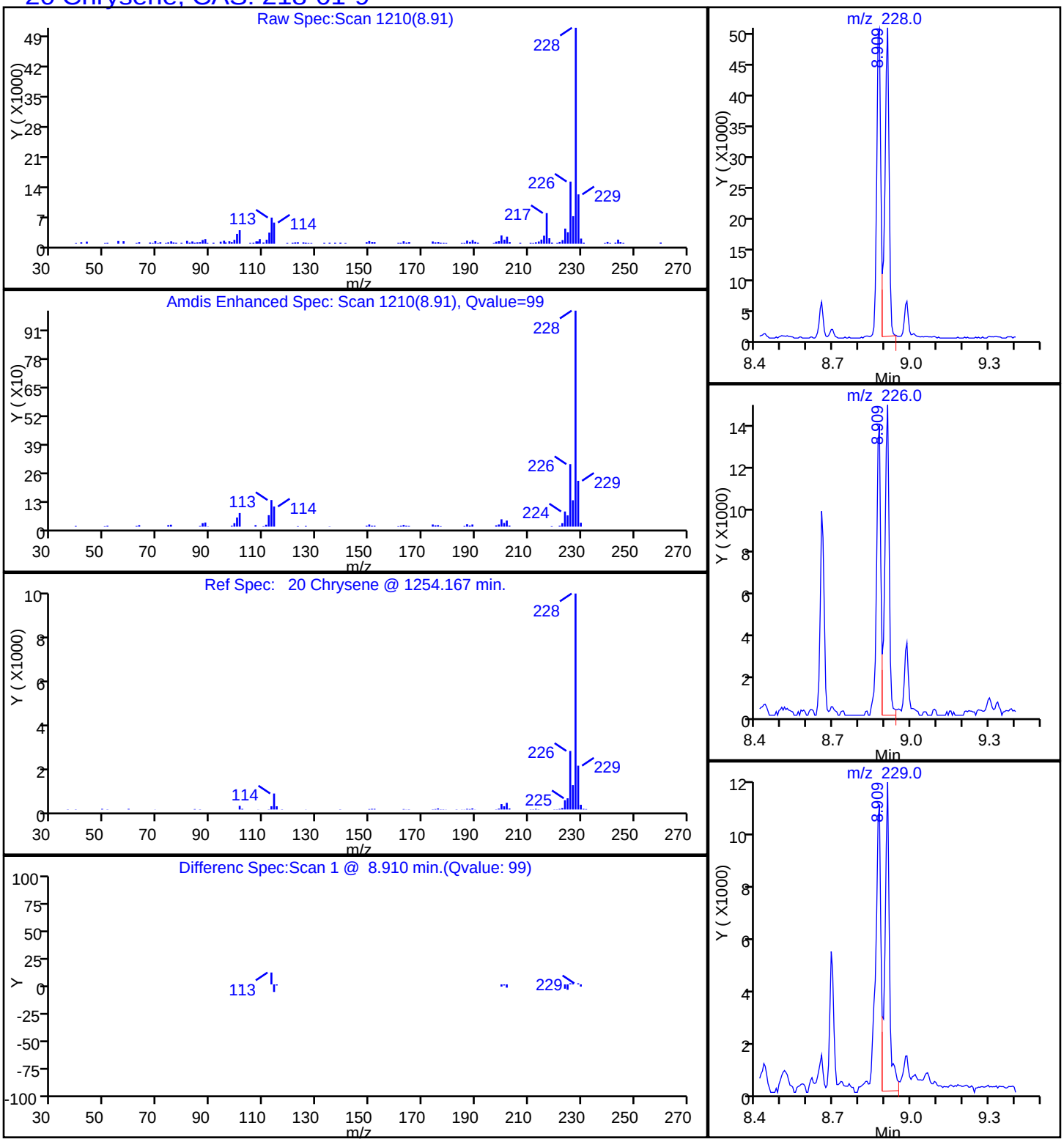
Injection Vol:	2.0 ul	Dil. Factor:	10.0000		
Method:	8270D_LLPAH_MSY	Limit Group:	8270D_LL_PAH		
Column:	Restek RXi-5Sil MS (0.25 mm)	Detector	MS SCAN		

20 Chrysene, CAS: 218-01-9



Report Date: 20-Oct-2014 09:22:17 Chrom Revision: 2.2 18-Aug-2014 12:17:36

TestAmerica Savannah

Data File:	\\SAVCHROM\ChromData\CMSY\20141017-13845.b\1YJ1724.D				
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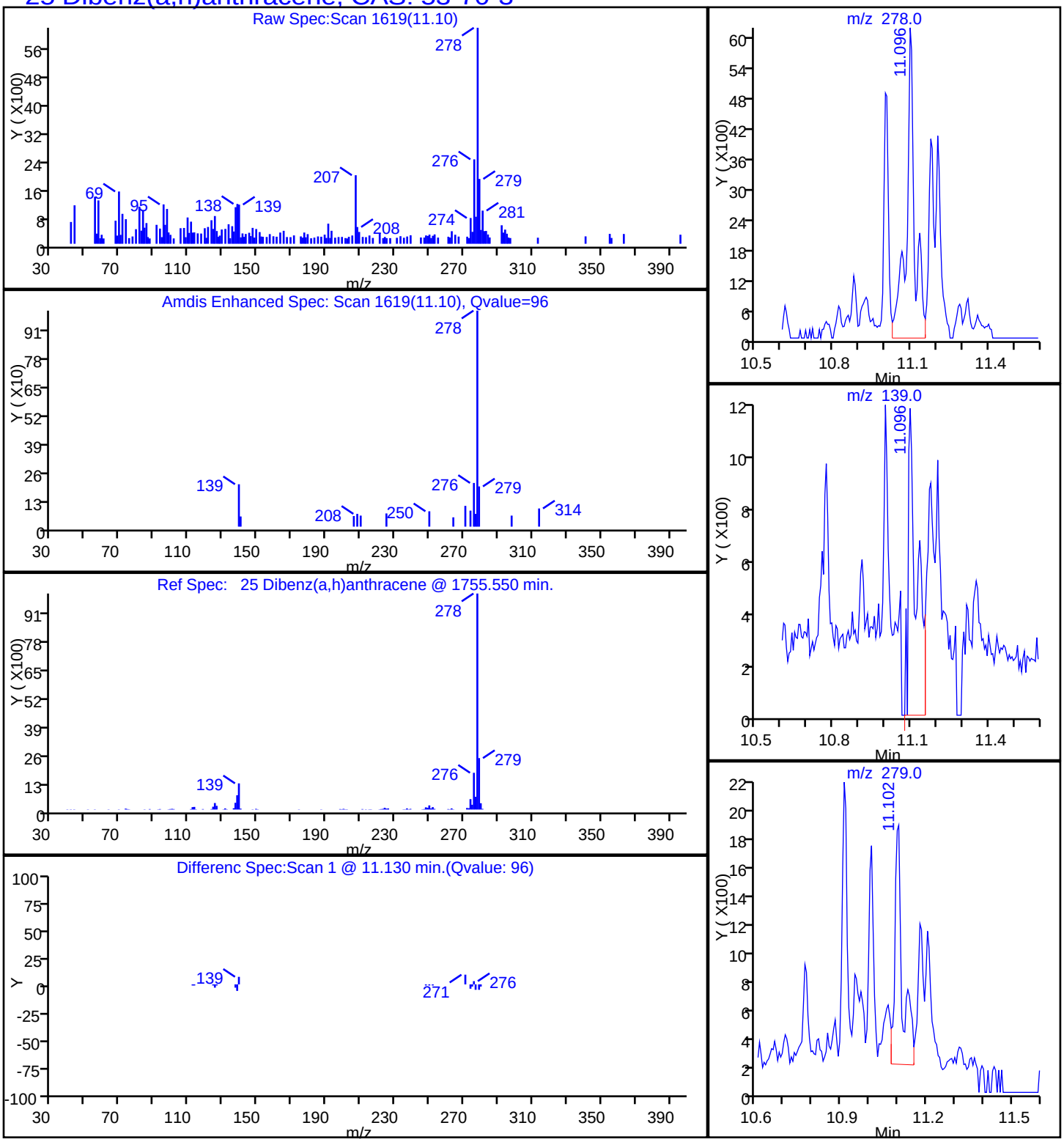
Lims ID:	680-106200-A-56-A	Lab Sample ID:	680-106200-56		
Client ID:	CV0509X-CS12				
Operator ID:	RM	ALS Bottle#:	24	Worklist Smp#:	24
Injection Vol:	2.0 ul	Dil. Factor:	10.0000		
Method:	8270D_LLPAH_MSY	Limit Group:	8270D_LL_PAH		
Column:	Restek RXi-5Sil MS (0.25 mm)	Detector	MS SCAN		

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



Report Date: 20-Oct-2014 09:22:16 Chrom Revision: 2.2 18-Aug-2014 12:17:36

TestAmerica Savannah

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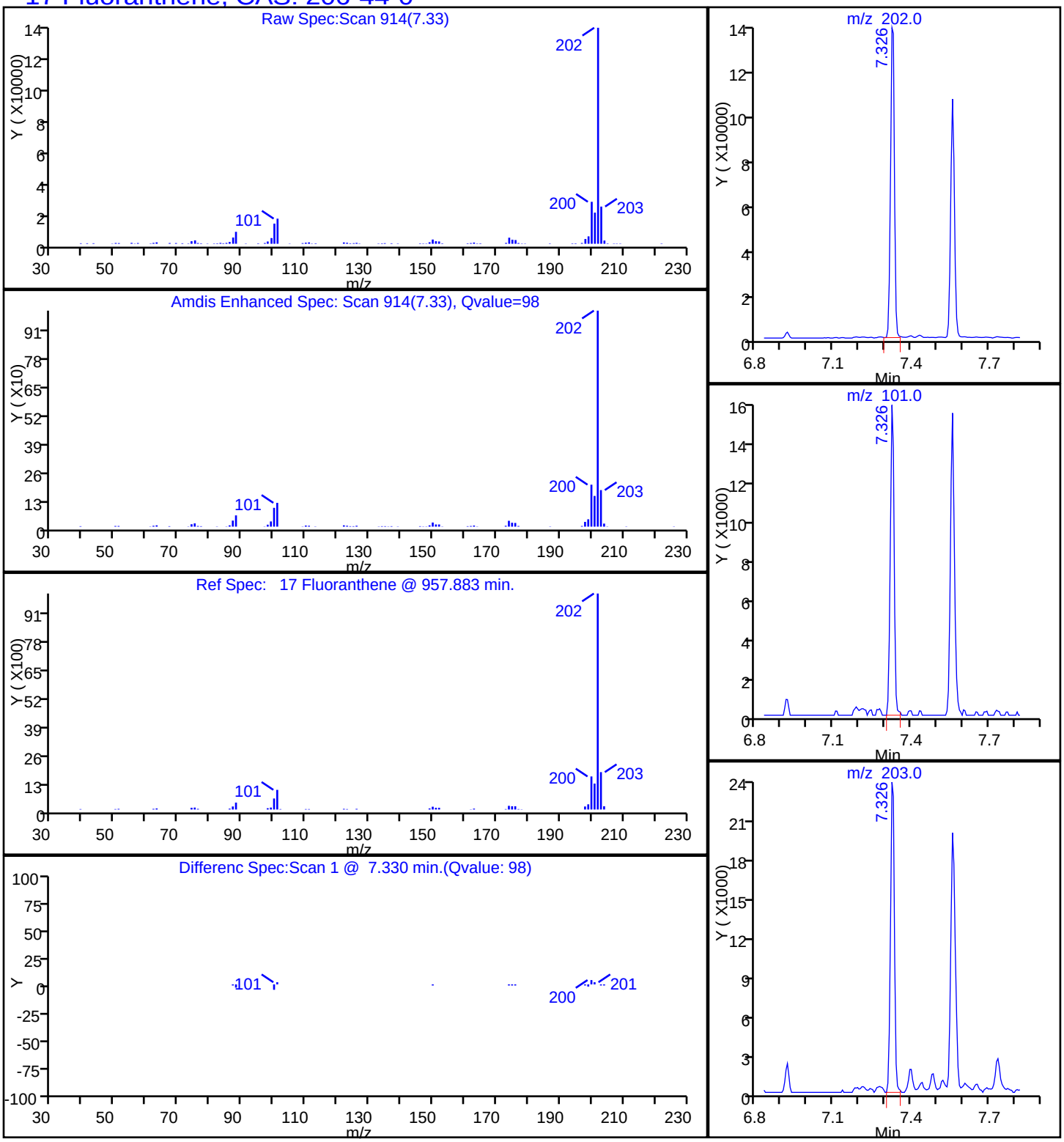
Client ID:	CV0509X-CS12				
Operator ID:	RM	ALS Bottle#:	24	Worklist Smp#:	24
Injection Vol:	2.0 ul	Dil. Factor:	10.0000		
Method:	8270D_LLPAH_MSY	Limit Group:	8270D_LL_PAH		
Column:	Restek RXi-5Sil MS (0.25 mm)	Detector	MS SCAN		

17 Fluoranthene, CAS: 206-44-0



Report Date: 20-Oct-2014 09:22:16 Chrom Revision: 2.2 18-Aug-2014 12:17:36

TestAmerica Savannah

Data File:	\\SAVCHROM\ChromData\CMSY\20141017-13845.b\1YJ1724.D				
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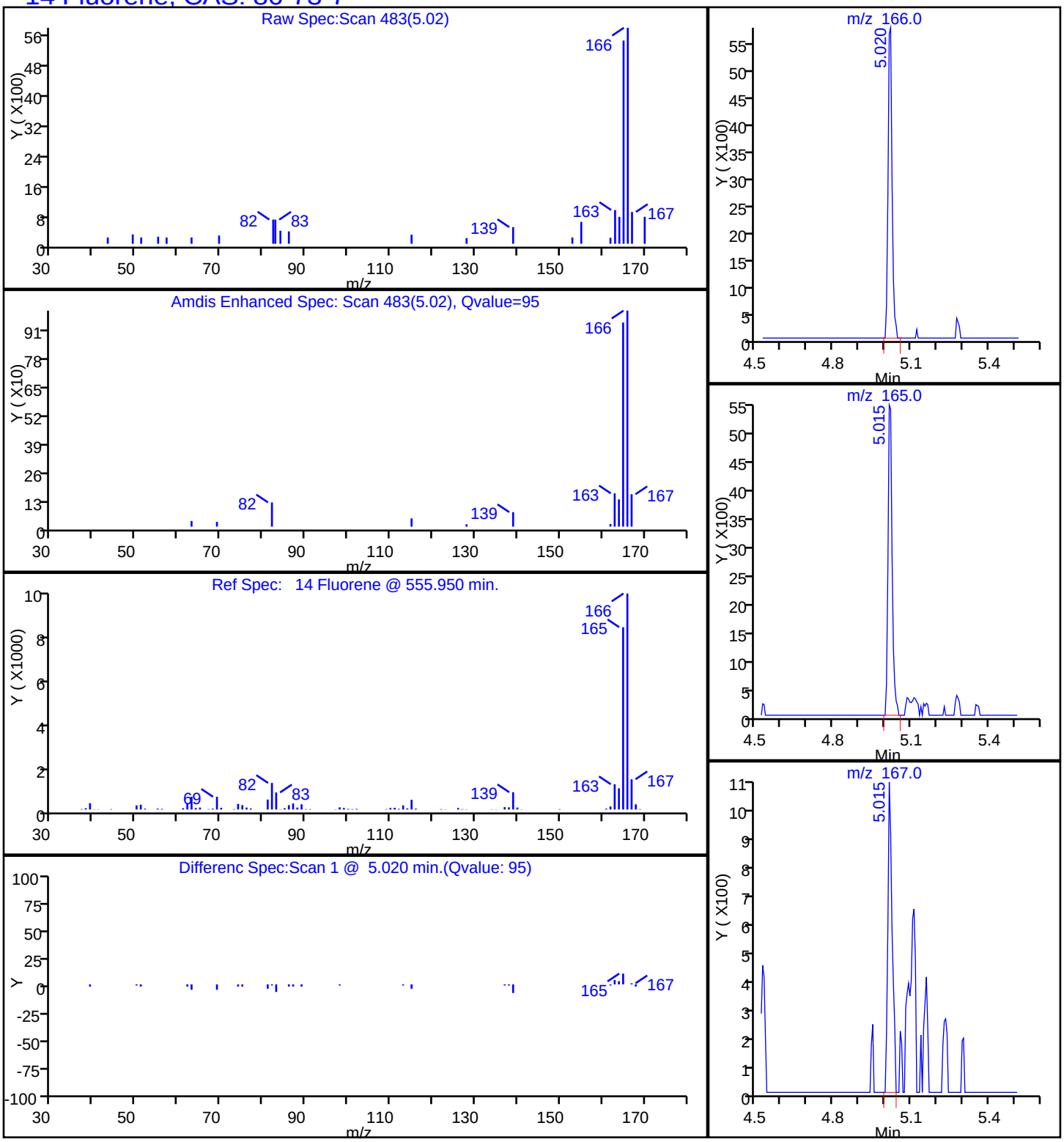
Lims ID:	680-106200-A-56-A	Lab Sample ID:	680-106200-56		
Client ID:	CV0509X-CS12				
Operator ID:	RM	ALS Bottle#:	24	Worklist Smp#:	24
Injection Vol:	2.0 ul	Dil. Factor:	10.0000		
Method:	8270D_LLPAH_MSY	Limit Group:	8270D_LL_PAH		
Column:	Restek RXi-5Sil MS (0.25 mm)	Detector	MS SCAN		

14 Fluorene, CAS: 86-73-7



Report Date: 20-Oct-2014 09:22:17 Chrom Revision: 2.2 18-Aug-2014 12:17:36

TestAmerica Savannah

Data File:	\\SAVCHROM\ChromData\CMSY\20141017-13845.b\1YJ1724.D				
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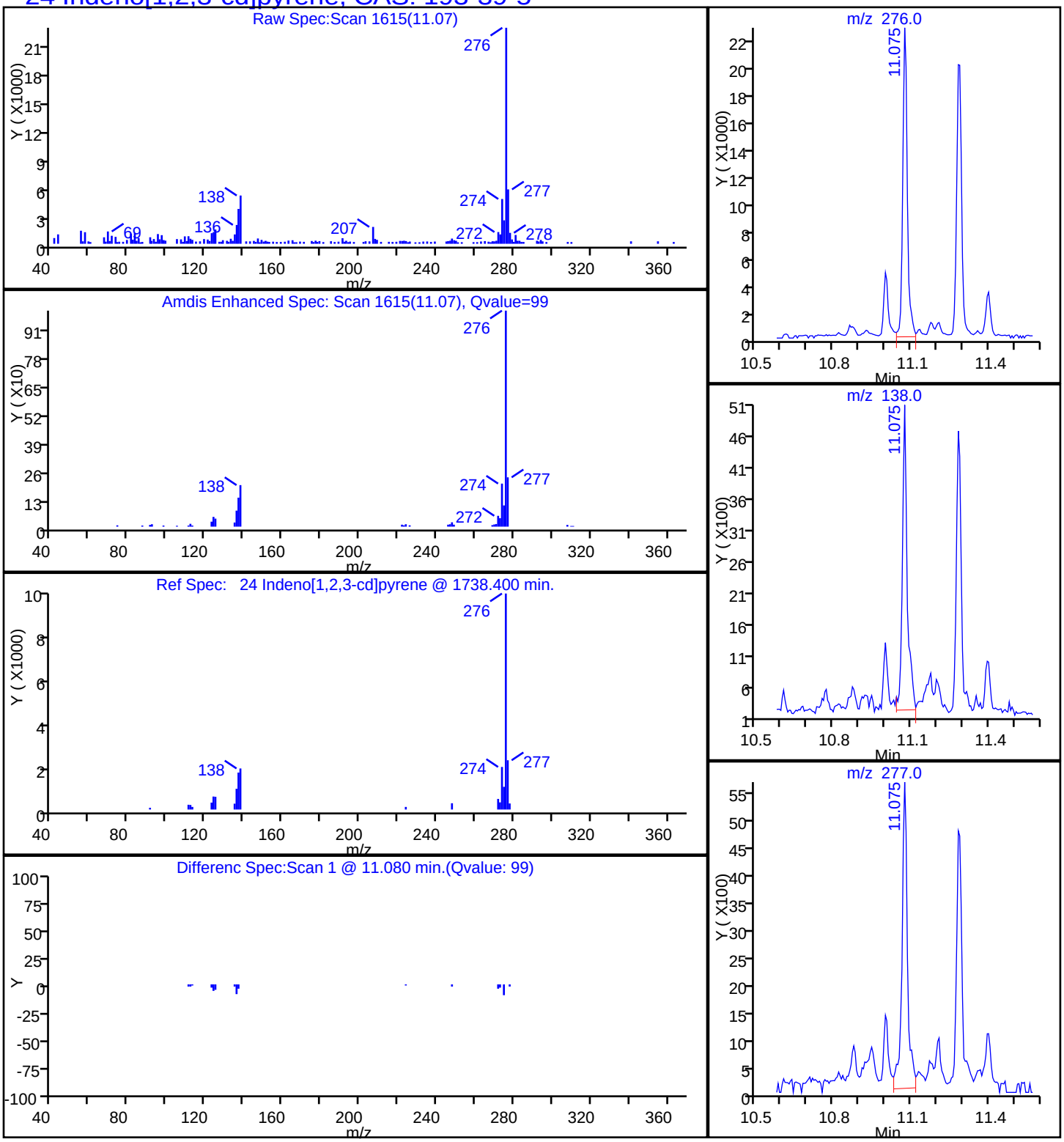
Lims ID:	680-106200-A-56-A	Lab Sample ID:	680-106200-56		
Client ID:	CV0509X-CS12				
Operator ID:	RM	ALS Bottle#:	24	Worklist Smp#:	24
Injection Vol:	2.0 ul	Dil. Factor:	10.0000		
Method:	8270D_LLPAH_MSY	Limit Group:	8270D_LL_PAH		
Column:	Restek RXi-5Sil MS (0.25 mm)	Detector	MS SCAN		

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



Report Date: 20-Oct-2014 09:22:16 Chrom Revision: 2.2 18-Aug-2014 12:17:36

TestAmerica Savannah

Data File:	\\SAVCHROM\ChromData\CMSY\20141017-13845.b\1YJ1724.D				
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Lims ID:	680-106200-A-56-A	Lab Sample ID:	680-106200-56		
Client ID:	CV0509X-CS12				
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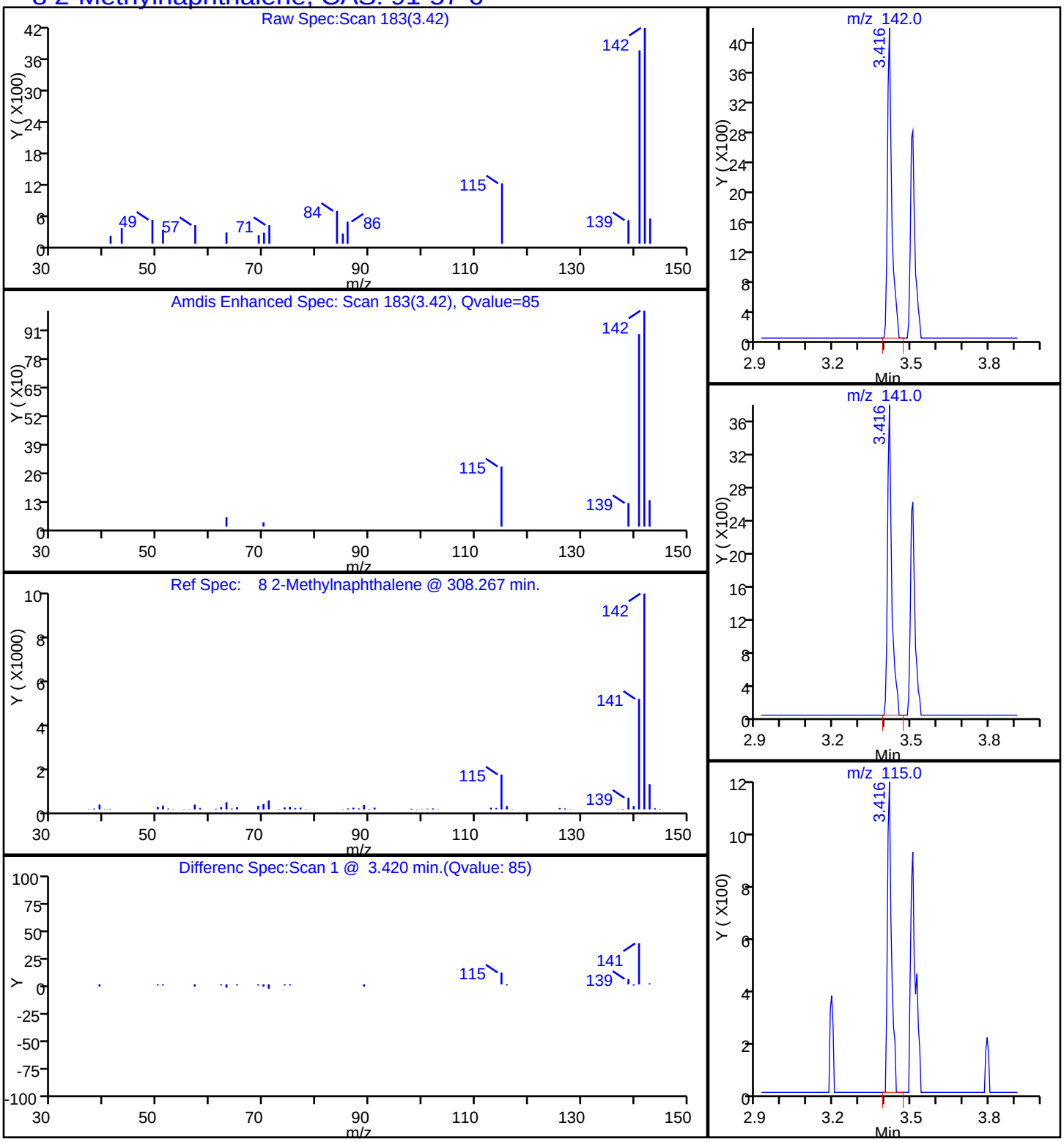
Injection Vol:	2.0 ul	Dil. Factor:	10.0000		
Method:	8270D_LLPAH_MSY	Limit Group:	8270D_LL_PAH		
Column:	Restek RXi-5Sil MS (0.25 mm)	Detector	MS SCAN		

8 2-Methylnaphthalene, CAS: 91-57-6



Report Date: 20-Oct-2014 09:22:16 Chrom Revision: 2.2 18-Aug-2014 12:17:36

TestAmerica Savannah

Data File:	\\SAVCHROM\ChromData\CMSY\20141017-13845.b\1YJ1724.D				
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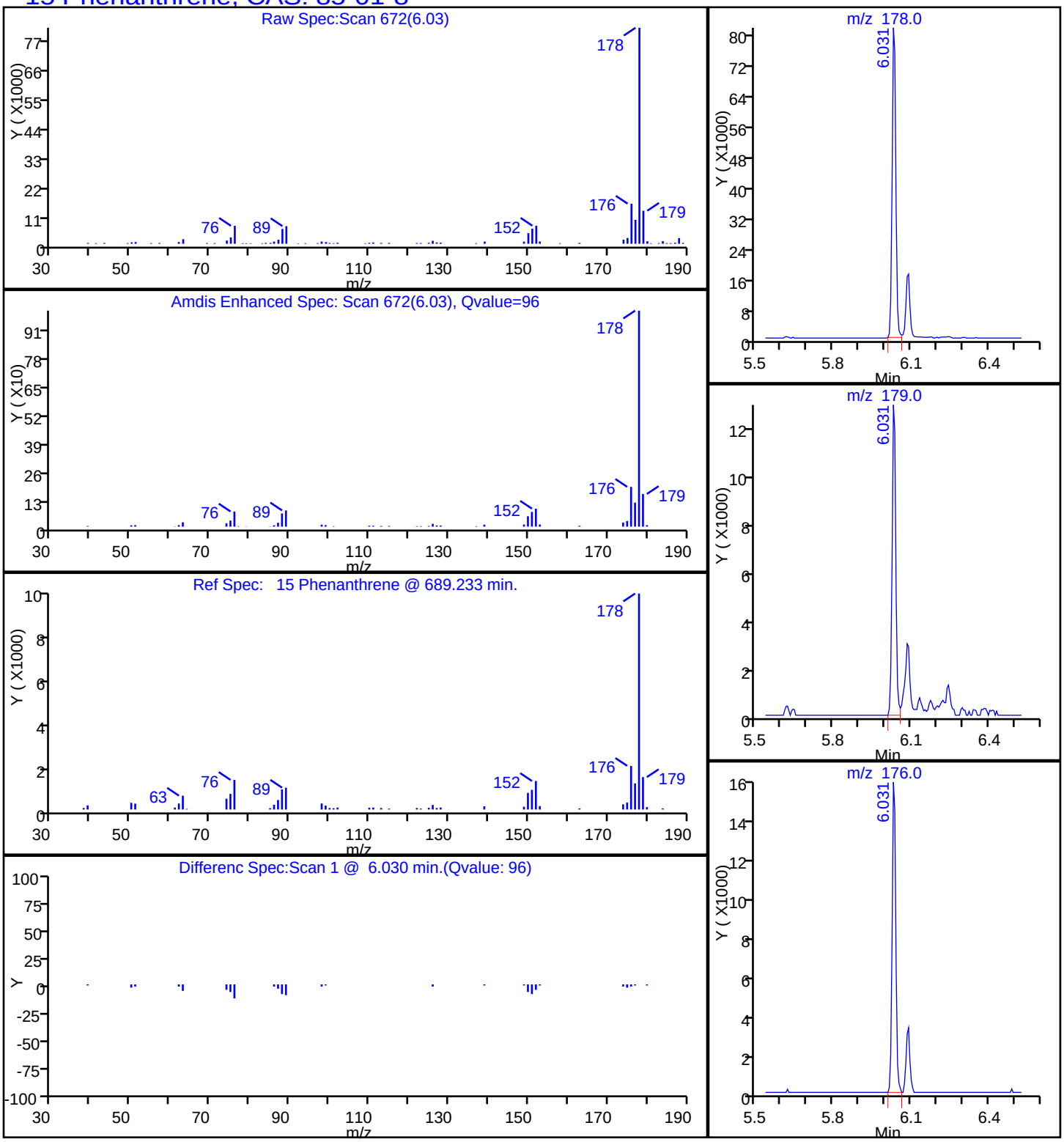
Lims ID:	680-106200-A-56-A	Lab Sample ID:	680-106200-56		
Client ID:	CV0509X-CS12				
Operator ID:	RM	ALS Bottle#:	24	Worklist Smp#:	24
Injection Vol:	2.0 ul	Dil. Factor:	10.0000		
Method:	8270D_LLPAH_MSY	Limit Group:	8270D_LL_PAH		
Column:	Restek RXi-5Sil MS (0.25 mm)	Detector	MS SCAN		

15 Phenanthrene, CAS: 85-01-8

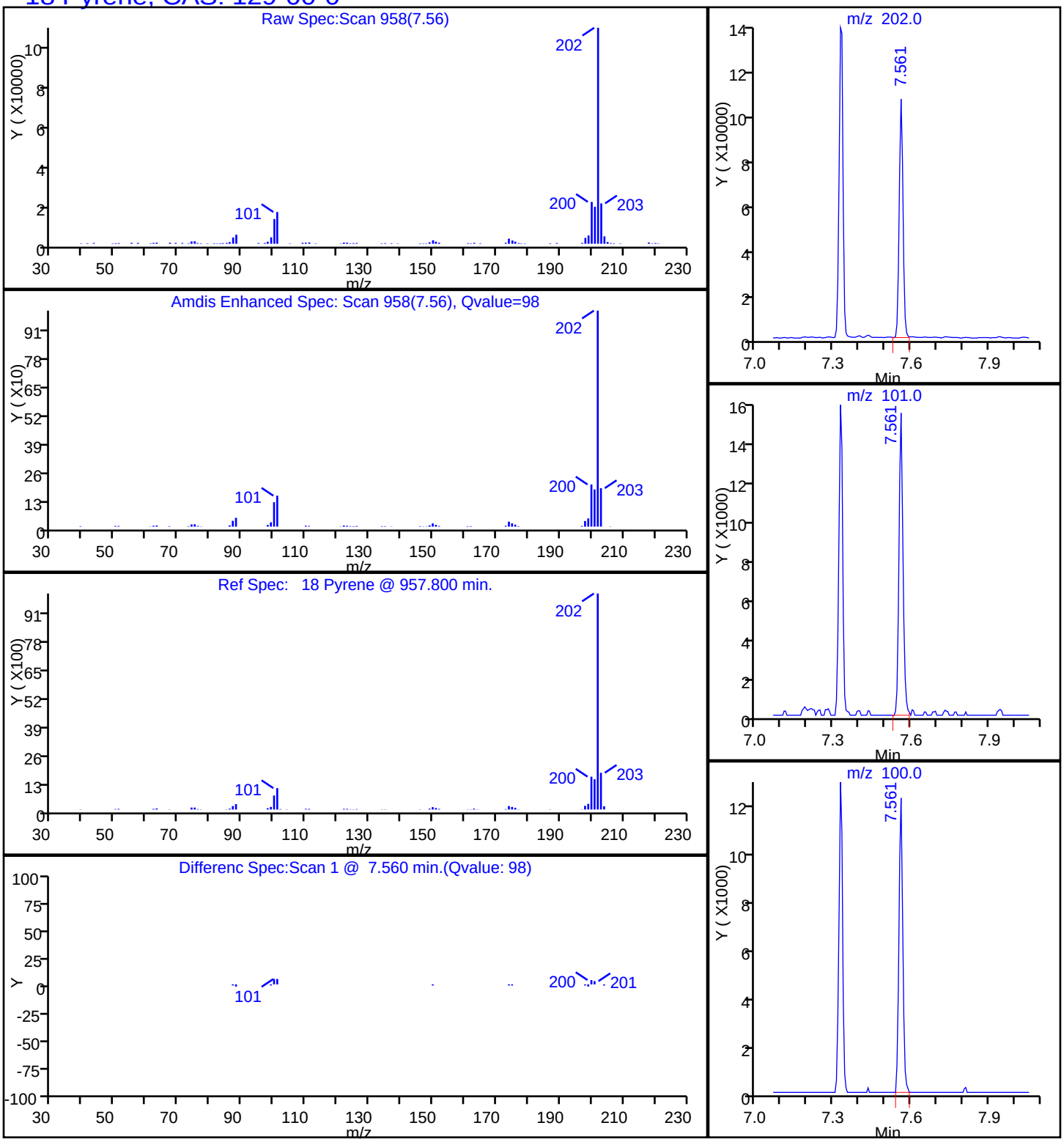


Report Date: 20-Oct-2014 09:22:16 Chrom Revision: 2.2 18-Aug-2014 12:17:36

TestAmerica Savannah

Data File:	\\SAVCHROM\ChromData\CMSY\20141017-13845.b\1YJ1724.D				
Injection Date:	17-Oct-2014 18:07:30	Instrument ID:	CMSY		
Lims ID:	680-106200-A-56-A	Lab Sample ID:	680-106200-56		
Client ID:	CV0509X-CS12				
Operator ID:	RM	ALS Bottle#:	24	Worklist Smp#:	24
Injection Vol:	2.0 ul	Dil. Factor:	10.0000		
Method:	8270D_LLPAH_MSY	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

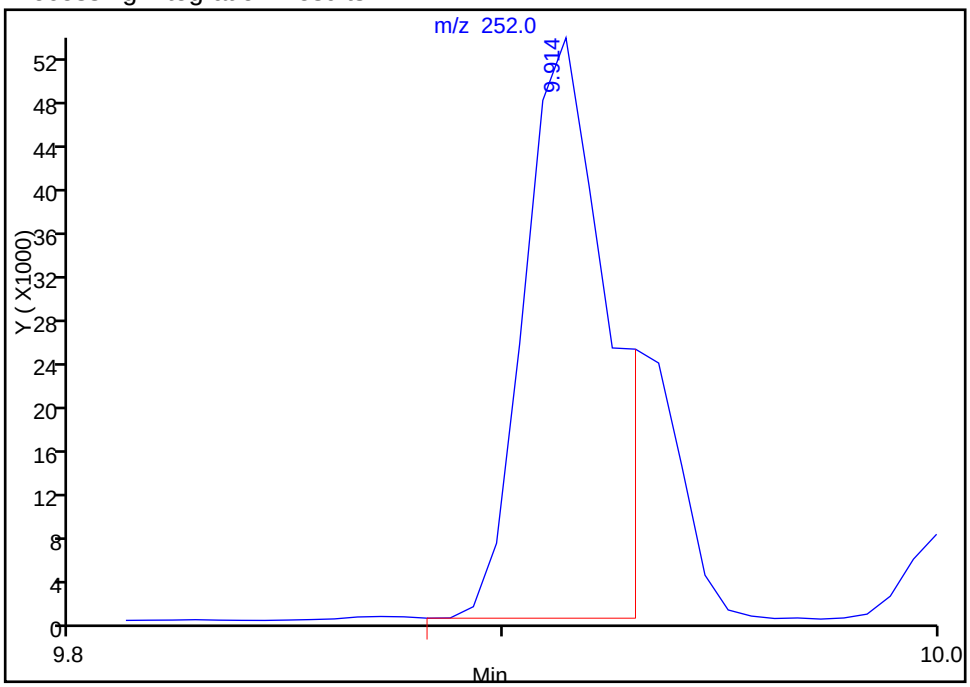
TestAmerica Savannah

Data File:	\\SAVCHROM\ChromData\CMSY\20141017-13845.b\1YJ1724.D				
Injection Date:	17-Oct-2014 18:07:30	Instrument ID:	CMSY		
Lims ID:	680-106200-A-56-A	Lab Sample ID:	680-106200-56		
Client ID:	CV0509X-CS12				
Operator ID:	RM	ALS Bottle#:	24	Worklist Smp#:	24
Injection Vol:	2.0 ul	Dil. Factor:	10.0000		
Method:	8270D_LLPAH_MSY	Limit Group:	8270D_LL_PAH		
Column:	Restek RXi-5Sil MS (0.25 mm)	Detector	MS SCAN		

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

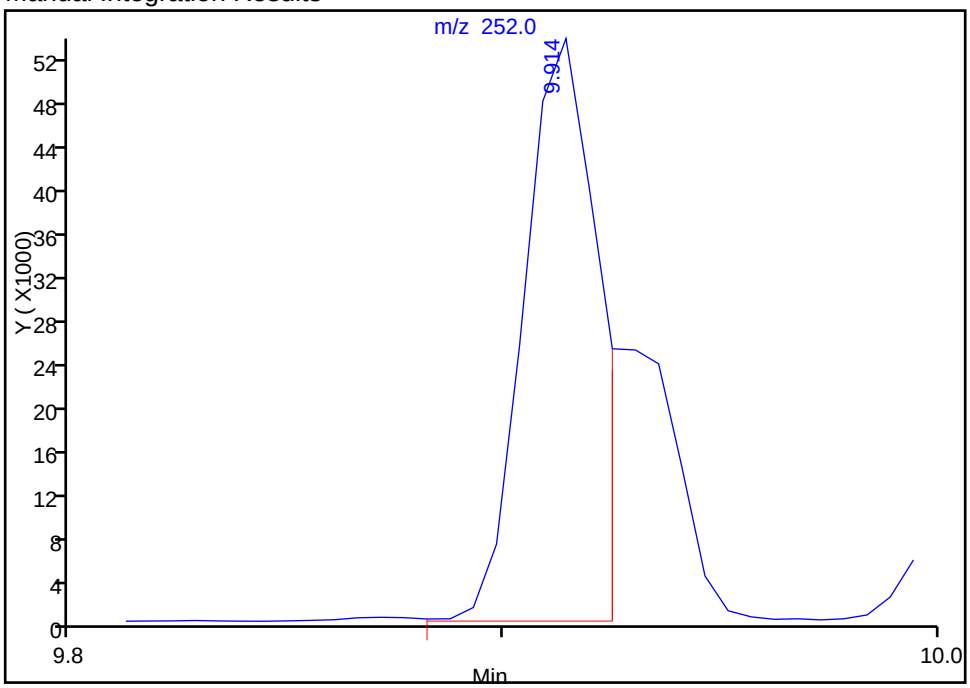
Processing Integration Results

RT: 9.91
Response: 71818
Amount: 1.530555



Manual Integration Results

RT: 9.91
Response: 64422
Amount: 1.372935



Reviewer: webbk, 20-Oct-2014 09:09:04
Audit Action: Manually Integrated
Audit Reason: Split Peak

Manual Integration/User Assign Peak Report

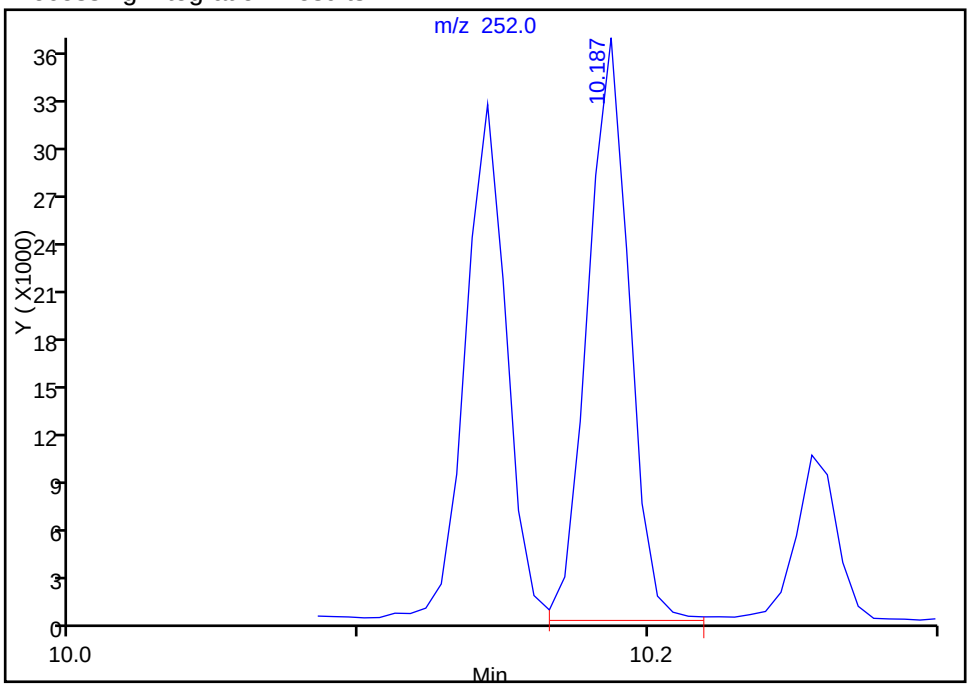
TestAmerica Savannah

Data File:	\\SAVCHROM\ChromData\CMSY\20141017-13845.b\1YJ1724.D				
Injection Date:	17-Oct-2014 18:07:30	Instrument ID:	CMSY		
Lims ID:	680-106200-A-56-A	Lab Sample ID:	680-106200-56		
Client ID:	CV0509X-CS12				
Operator ID:	RM	ALS Bottle#:	24	Worklist Smp#:	24
Injection Vol:	2.0 ul	Dil. Factor:	10.0000		
Method:	8270D_LLPAH_MSY	Limit Group:	8270D_LL_PAH		
Column:	Restek RXi-5Sil MS (0.25 mm)	Detector	MS SCAN		

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

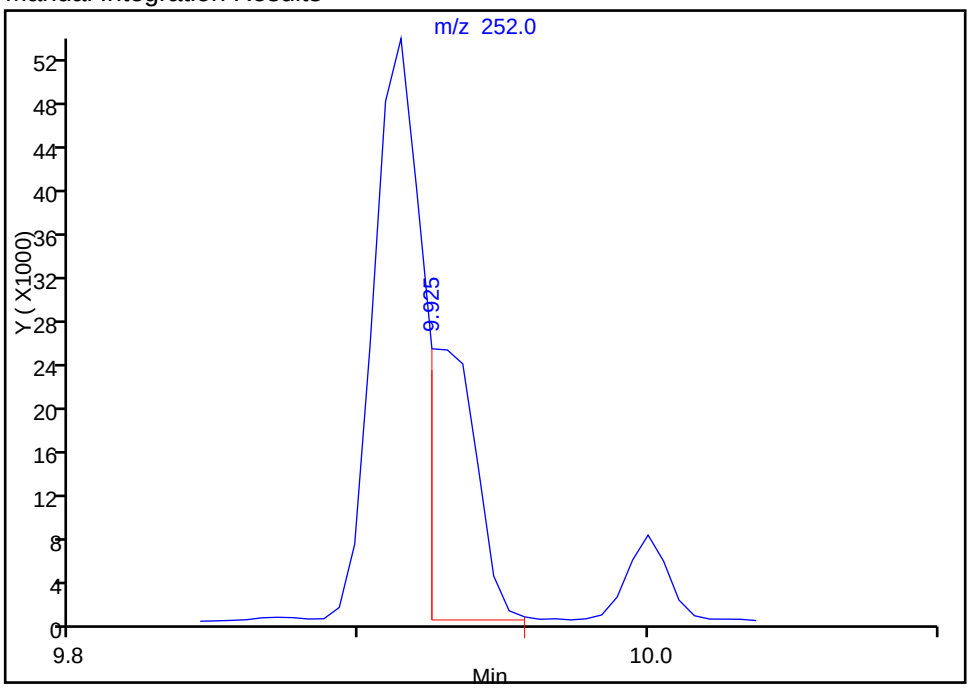
Processing Integration Results

RT: 10.19
Response: 36378
Amount: 0.799982



Manual Integration Results

RT: 9.92
Response: 29763
Amount: 0.654107



Reviewer: webbk, 20-Oct-2014 09:09:04
Audit Action: Manually Integrated
Audit Reason: Split Peak

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Savannah | Job No.: 680-106200-4

SDG No.: 680-106200-04

Client Sample ID: CV0509X-CS18 | Lab Sample ID: 680-106200-57

Matrix: Solid | Lab File ID: 1YJ1725.D

Analysis Method: 8270D_LL_PAH | Date Collected: 10/07/2014 10:40

Extract. Method: 3546 | Date Extracted: 10/15/2014 14:21

Sample wt/vol: 30.01(g) | Date Analyzed: 10/17/2014 18:29

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

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

% Moisture: 11.4 | GPC Cleanup:(Y/N) N

Analysis Batch No.: 354069 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
83-32-9	Acenaphthene	7.6	U	7.6	3.7
208-96-8	Acenaphthylene	7.6	U	7.6	3.7
120-12-7	Anthracene	7.6	U	7.6	3.7
56-55-3	Benzo[a]anthracene	7.0	J	7.6	3.7
50-32-8	Benzo[a]pyrene	7.6	U	7.6	1.4
205-99-2	Benzo[b]fluoranthene	12		7.6	3.7
191-24-2	Benzo[g,h,i]perylene	6.3	J	7.6	3.7
207-08-9	Benzo[k]fluoranthene	4.7	J	7.6	2.3
218-01-9	Chrysene	9.8		7.6	3.7
53-70-3	Dibenz(a,h)anthracene	7.6	U	7.6	3.7
206-44-0	Fluoranthene	12		7.6	3.7
86-73-7	Fluorene	7.6	U	7.6	3.7
193-39-5	Indeno[1,2,3-cd]pyrene	4.8	J	7.6	3.7
90-12-0	1-Methylnaphthalene	7.6	U	7.6	3.5
91-57-6	2-Methylnaphthalene	7.6	U	7.6	3.7
91-20-3	Naphthalene	7.6	U	7.6	3.7
85-01-8	Phenanthrene	6.3	J	7.6	2.7
129-00-0	Pyrene	13		7.6	3.7

CAS NO.	SURROGATE	%REC	Q	LIMITS
84-15-1	o-Terphenyl	91		36-131

TestAmerica Savannah
Target Compound Quantitation Report

Data File:	\\SAVCHROM\ChromData\CMSY\20141017-13845.b\1YJ1725.D				
Lims ID:	680-106200-A-57-A	Lab Sample ID:	680-106200-57		
Client ID:	CV0509X-CS18				
Sample Type:	Client				
Inject. Date:	17-Oct-2014 18:29:30	ALS Bottle#:	25	Worklist Smp#:	25
Injection Vol:	2.0 ul	Dil. Factor:	1.0000		
Sample Info:	106200-A-57-A				
Misc. Info.:	680-0013845-025				
Operator ID:	RM	Instrument ID:	CMSY		
Method:	\\SAVCHROM\ChromData\CMSY\20141017-13845.b\8270D_LLPAH_MSY.m				
Limit Group:	8270D_LL_PAH				
Last Update:	20-Oct-2014 09:21:49	Calib Date:	07-Oct-2014 15:41:30		
Integrator:	RTE	ID Type:	Deconvolution ID		
Quant Method:	Internal Standard	Quant By:	Initial Calibration		
Last ICal File:	\\SAVCHROM\ChromData\CMSY\20141007-13559.b\3YJ0707.D				
Column 1 :	Restek RXi-5Sil MS (0.25 mm)		Det: MS SCAN		
Process Host:	XAWRK024				
First Level Reviewer: webbk		Date:	20-Oct-2014 09:11:08		

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/ml	Flags
* 1 Naphthalene-d8	136	2.758	2.753	0.005	98	126021	2.00	
* 2 Acenaphthene-d10	164	4.443	4.437	0.006	92	69538	2.00	
* 3 Phenanthrene-d10	188	6.010	6.005	0.006	98	118118	2.00	
* 4 Chrysene-d12	240	8.882	8.877	0.005	99	92076	2.00	
* 5 Perylene-d12	264	10.235	10.225	0.010	98	74135	2.00	
$ 6 o-Terphenyl	230	6.491	6.491	0.000	91	53806	1.82	
15 Phenanthrene	178	6.031	6.031	0.000	97	11853	0.1677	
17 Fluoranthene	202	7.326	7.320	0.006	98	24455	0.3264	
18 Pyrene	202	7.561	7.556	0.005	98	20817	0.3453	
19 Benzo[a]anthracene	228	8.871	8.866	0.005	97	10074	0.1871	
20 Chrysene	228	8.903	8.903	0.000	99	13361	0.2600	
21 Benzo[b]fluoranthene	252	9.909	9.904	0.005	97	14981	0.3072	
22 Benzo[k]fluoranthene	252	9.930	9.930	0.000	97	5884	0.1242	M
24 Indeno[1,2,3-cd]pyrene	276	11.075	11.070	0.005	98	6444	0.1275	
26 Benzo[g,h,i]perylene	276	11.289	11.273	0.016	97	6169	0.1688	

QC Flag Legend

Review Flags

M - Manually Integrated

Reagents:

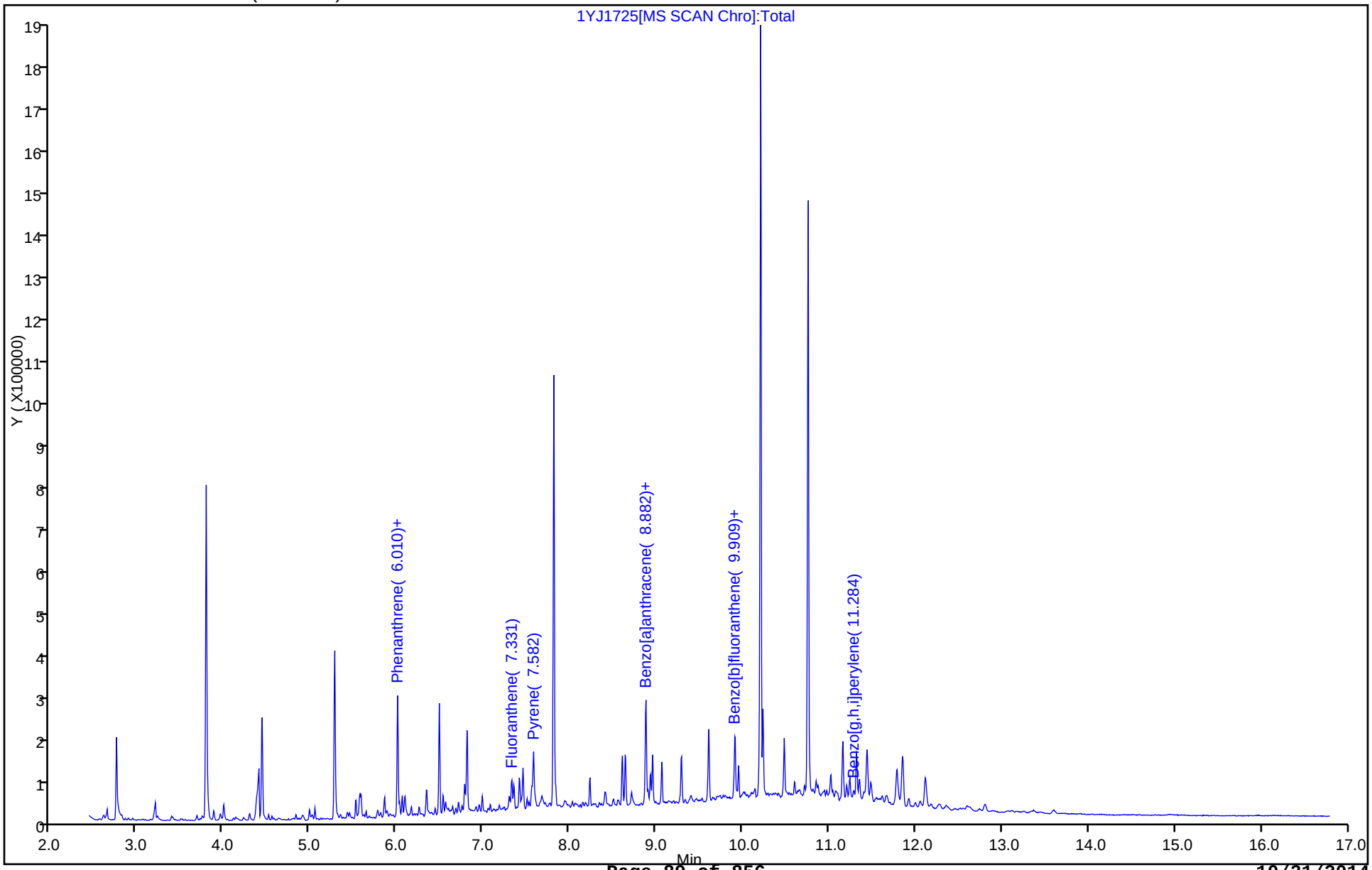
SM-LLISTD_00106 Amount Added: 10.00 Units: uL Run Reagent

Report Date: 20-Oct-2014 09:22:17 Chrom Revision: 2.2 18-Aug-2014 12:17:36

TestAmerica Savannah

Data File:	\\SAVCHROM\ChromData\CMSY\20141017-13845.b\1YJ1725.D				
Injection Date:	17-Oct-2014 18:29:30	Instrument ID:	CMSY	Operator ID:	RM
Lims ID:	680-106200-A-57-A	Lab Sample ID:	680-106200-57	Worklist Smp#:	25
Client ID:	CV0509X-CS18				
Injection Vol:	2.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	25
Method:	8270D_LLPAH_MSY	Limit Group:	8270D_LL_PAH		

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

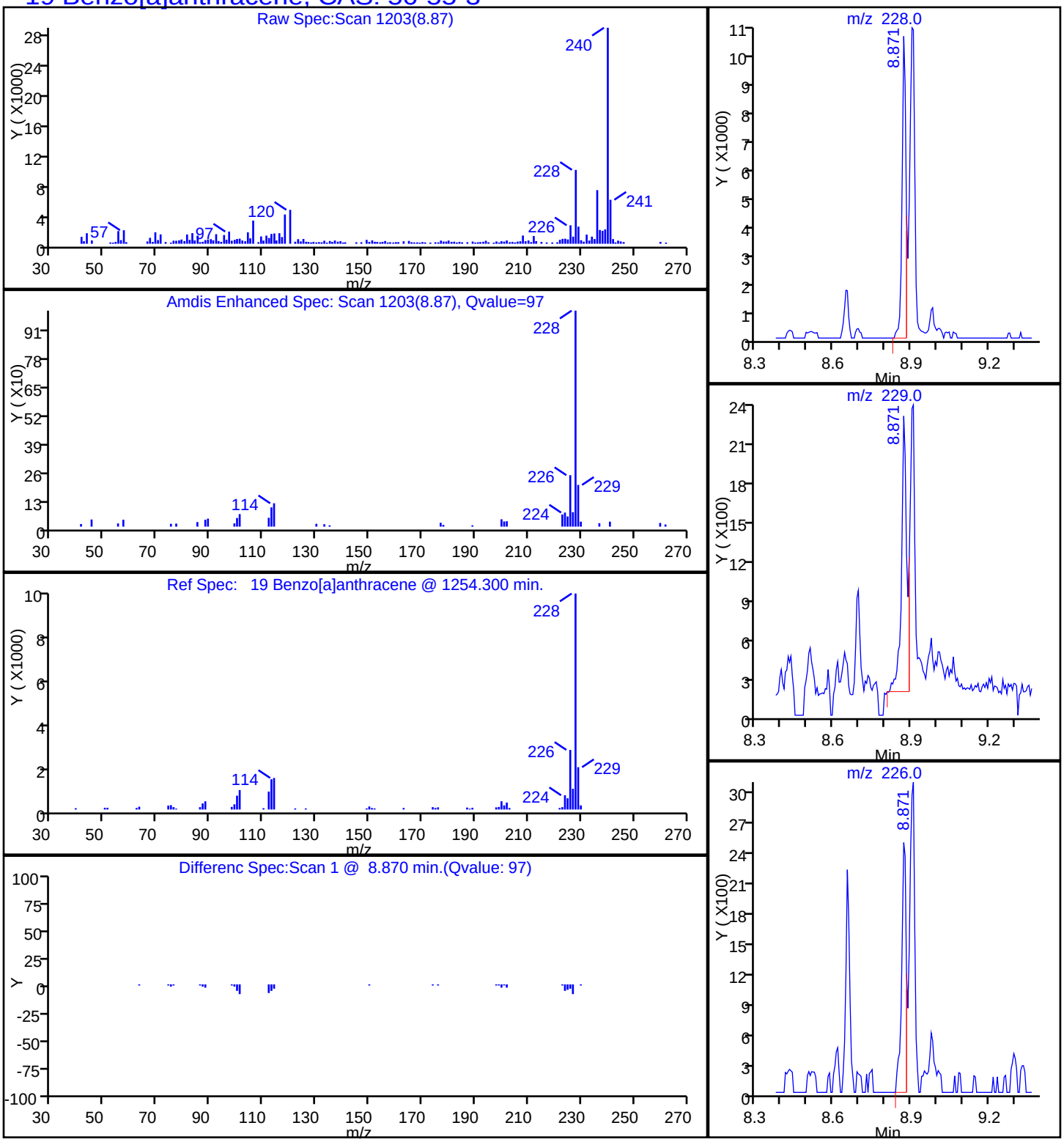


Report Date: 20-Oct-2014 09:22:17 Chrom Revision: 2.2 18-Aug-2014 12:17:36

TestAmerica Savannah

Data File:	\\SAVCHROM\ChromData\CMSY\20141017-13845.b\1YJ1725.D				
Injection Date:	17-Oct-2014 18:29:30	Instrument ID:	CMSY		
Lims ID:	680-106200-A-57-A	Lab Sample ID:	680-106200-57		
Client ID:	CV0509X-CS18				
Operator ID:	RM	ALS Bottle#:	25	Worklist Smp#:	25
Injection Vol:	2.0 ul	Dil. Factor:	1.0000		
Method:	8270D_LLPAH_MSY	Limit Group:	8270D_LL_PAH		
Column:	Restek RXi-5Sil MS (0.25 mm)	Detector	MS SCAN		

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

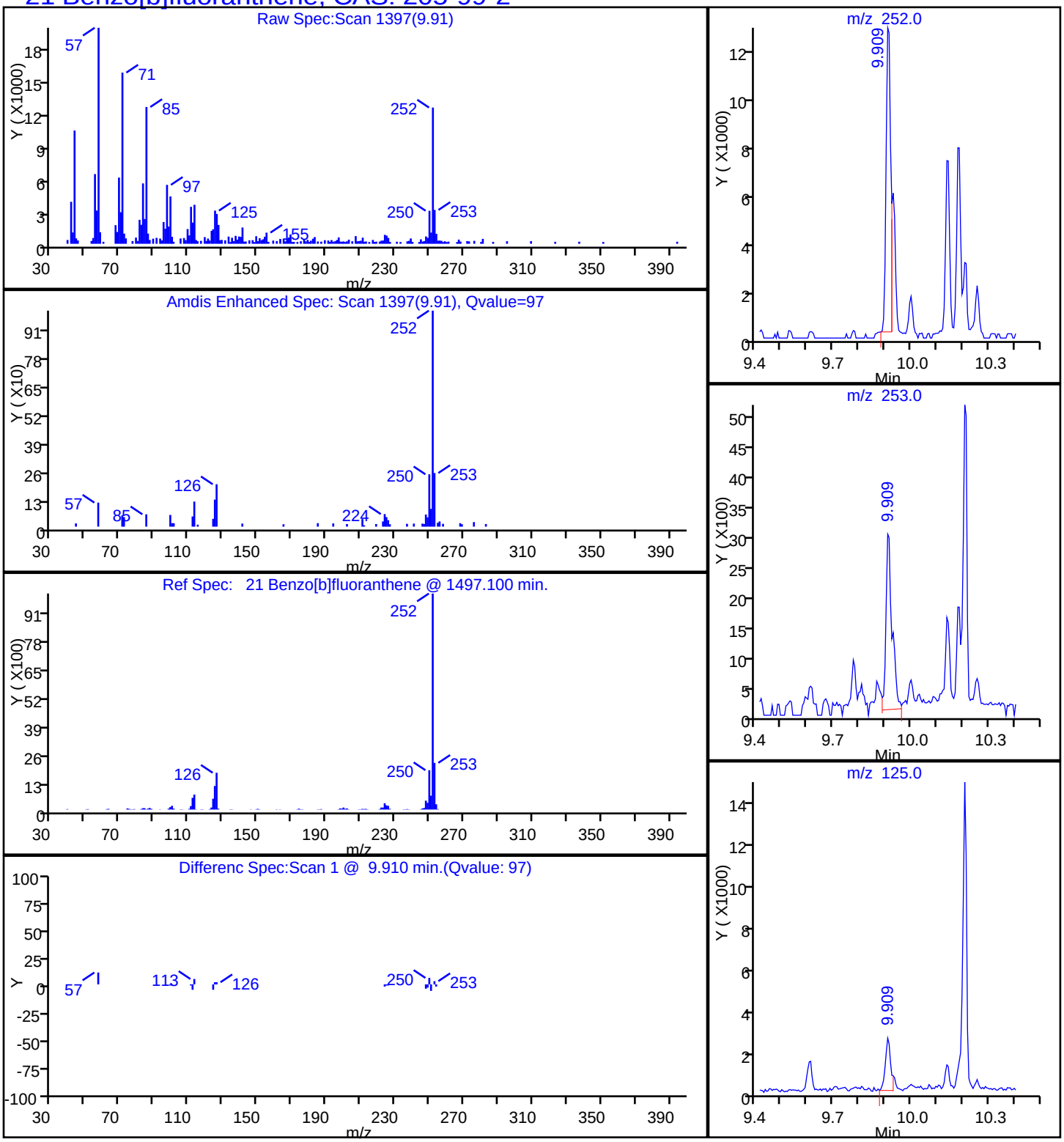


Report Date: 20-Oct-2014 09:22:17 Chrom Revision: 2.2 18-Aug-2014 12:17:36

TestAmerica Savannah

Data File:	\\SAVCHROM\ChromData\CMSY\20141017-13845.b\1YJ1725.D				
Injection Date:	17-Oct-2014 18:29:30	Instrument ID:	CMSY		
Lims ID:	680-106200-A-57-A	Lab Sample ID:	680-106200-57		
Client ID:	CV0509X-CS18				
Operator ID:	RM	ALS Bottle#:	25	Worklist Smp#:	25
Injection Vol:	2.0 ul	Dil. Factor:	1.0000		
Method:	8270D_LLPAH_MSY	Limit Group:	8270D_LL_PAH		
Column:	Restek RXi-5Sil MS (0.25 mm)	Detector	MS SCAN		

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

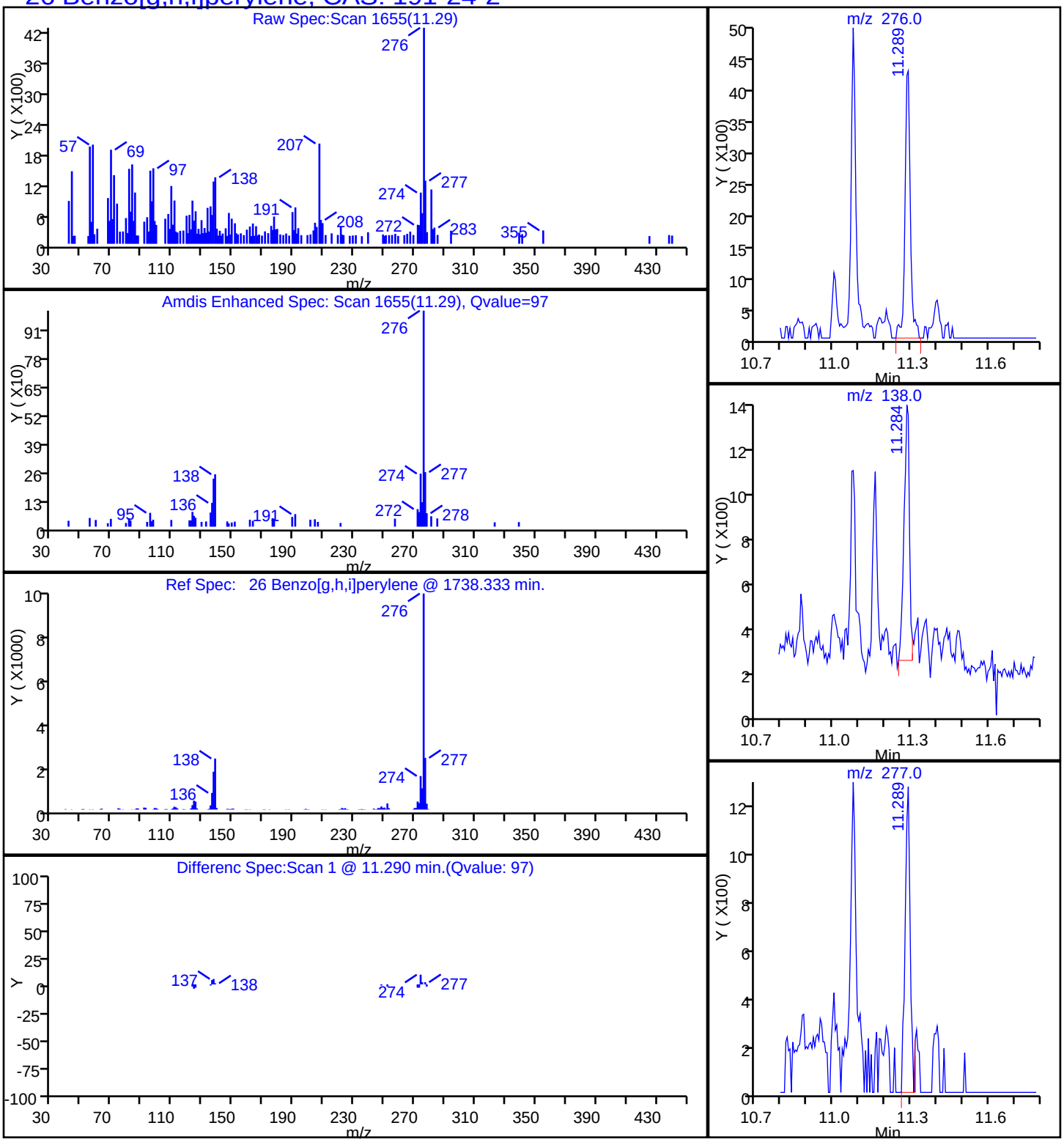


Report Date: 20-Oct-2014 09:22:17 Chrom Revision: 2.2 18-Aug-2014 12:17:36

TestAmerica Savannah

Data File:	\\SAVCHROM\ChromData\CMSY\20141017-13845.b\1YJ1725.D				
Injection Date:	17-Oct-2014 18:29:30	Instrument ID:	CMSY		
Lims ID:	680-106200-A-57-A	Lab Sample ID:	680-106200-57		
Client ID:	CV0509X-CS18				
Operator ID:	RM	ALS Bottle#:	25	Worklist Smp#:	25
Injection Vol:	2.0 ul	Dil. Factor:	1.0000		
Method:	8270D_LLPAH_MSY	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

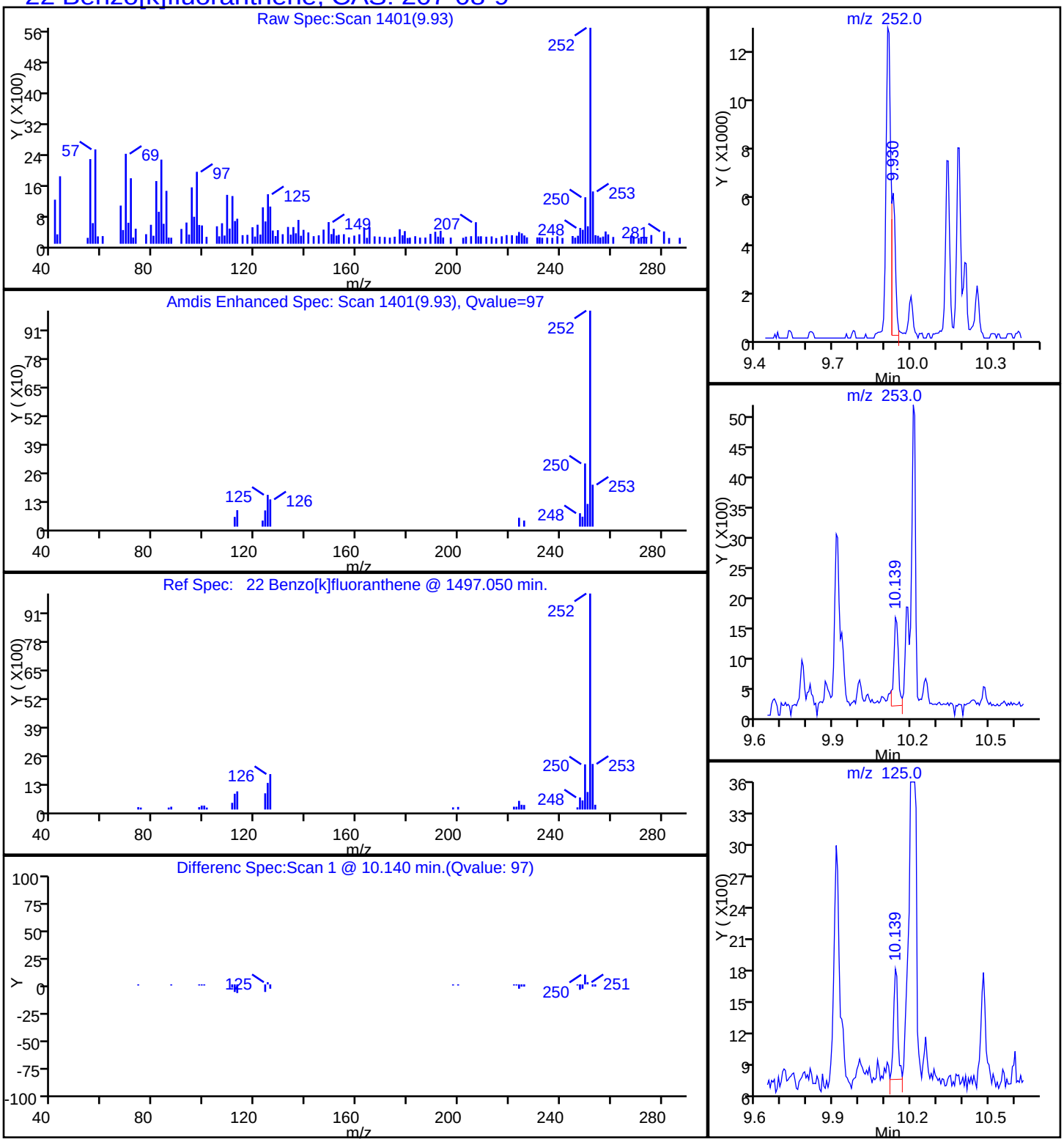


Report Date: 20-Oct-2014 09:22:17 Chrom Revision: 2.2 18-Aug-2014 12:17:36

TestAmerica Savannah

Data File:	\\SAVCHROM\ChromData\CMSY\20141017-13845.b\1YJ1725.D				
Injection Date:	17-Oct-2014 18:29:30	Instrument ID:	CMSY		
Lims ID:	680-106200-A-57-A	Lab Sample ID:	680-106200-57		
Client ID:	CV0509X-CS18				
Operator ID:	RM	ALS Bottle#:	25	Worklist Smp#:	25
Injection Vol:	2.0 ul	Dil. Factor:	1.0000		
Method:	8270D_LLPAH_MSY	Limit Group:	8270D_LL_PAH		
Column:	Restek RXi-5Sil MS (0.25 mm)	Detector	MS SCAN		

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

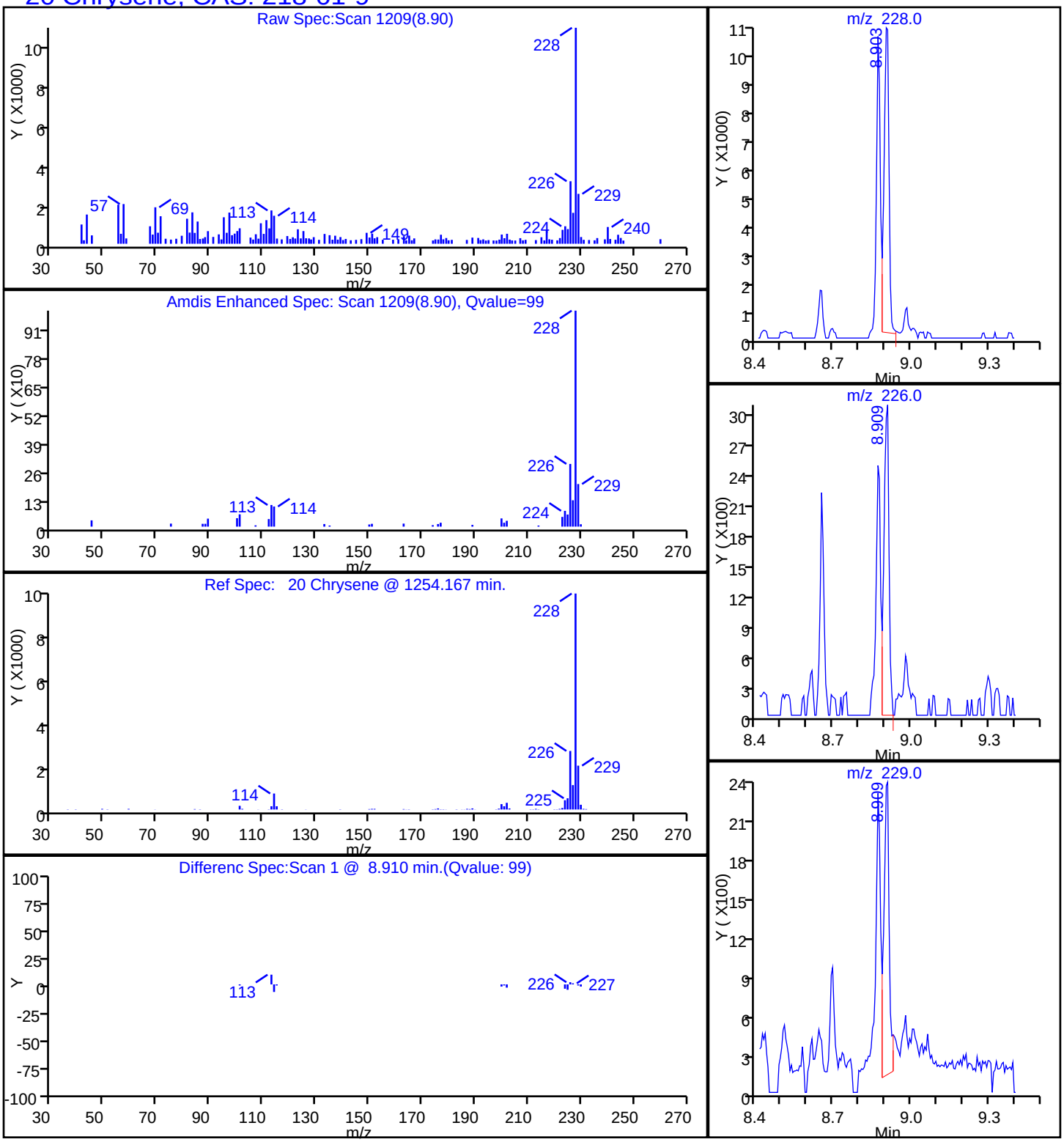


Report Date: 20-Oct-2014 09:22:17 Chrom Revision: 2.2 18-Aug-2014 12:17:36

TestAmerica Savannah

Data File:	\\SAVCHROM\ChromData\CMSY\20141017-13845.b\1YJ1725.D				
Injection Date:	17-Oct-2014 18:29:30	Instrument ID:	CMSY		
Lims ID:	680-106200-A-57-A	Lab Sample ID:	680-106200-57		
Client ID:	CV0509X-CS18				
Operator ID:	RM	ALS Bottle#:	25	Worklist Smp#:	25
Injection Vol:	2.0 ul	Dil. Factor:	1.0000		
Method:	8270D_LLPAH_MSY	Limit Group:	8270D_LL_PAH		
Column:	Restek RXi-5Sil MS (0.25 mm)	Detector	MS SCAN		

20 Chrysene, CAS: 218-01-9

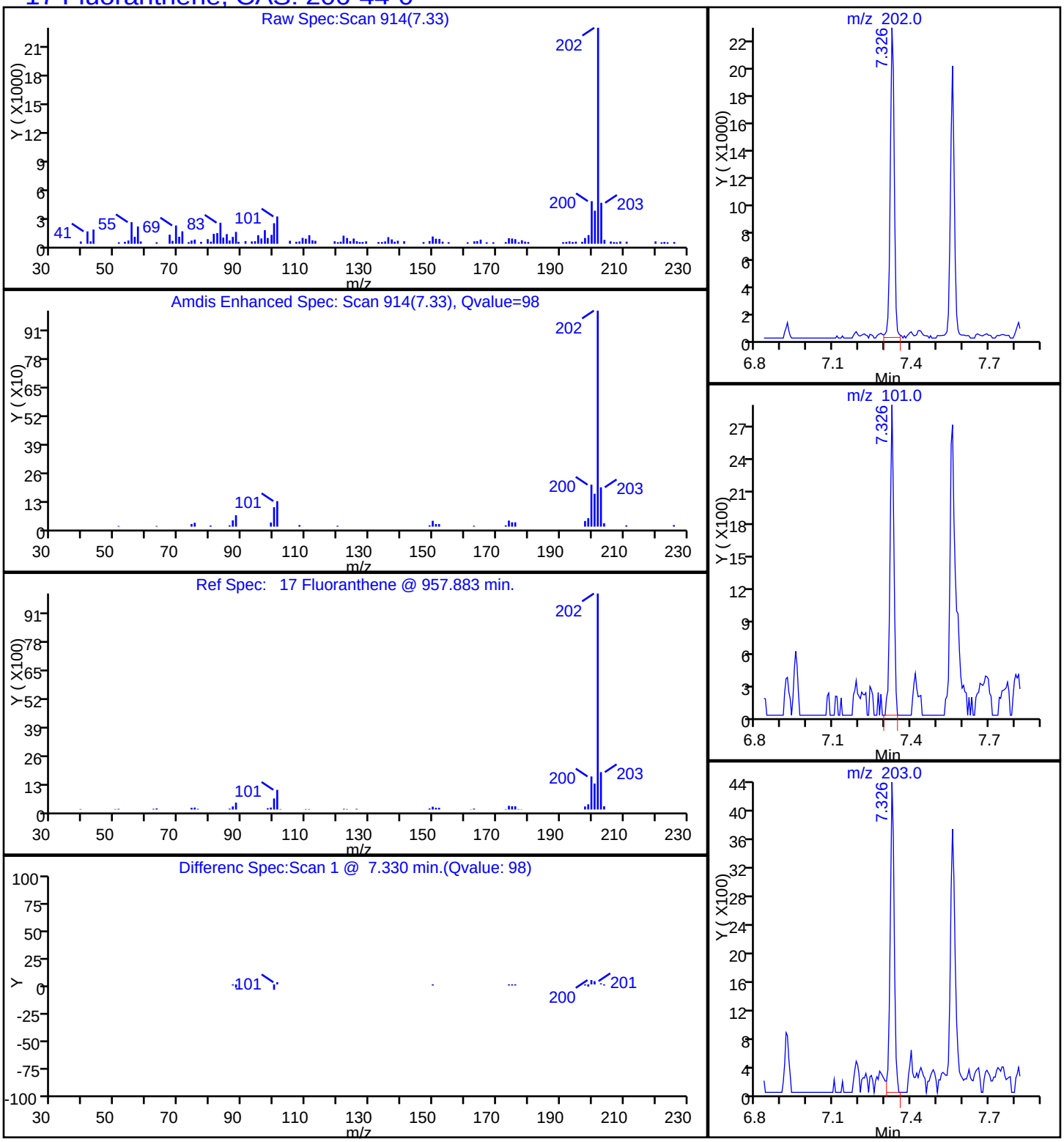


Report Date: 20-Oct-2014 09:22:17 Chrom Revision: 2.2 18-Aug-2014 12:17:36

TestAmerica Savannah

Data File:	\\SAVCHROM\ChromData\CMSY\20141017-13845.b\1YJ1725.D				
Injection Date:	17-Oct-2014 18:29:30	Instrument ID:	CMSY		
Lims ID:	680-106200-A-57-A	Lab Sample ID:	680-106200-57		
Client ID:	CV0509X-CS18				
Operator ID:	RM	ALS Bottle#:	25	Worklist Smp#:	25
Injection Vol:	2.0 ul	Dil. Factor:	1.0000		
Method:	8270D_LLPAH_MSY	Limit Group:	8270D_LL_PAH		
Column:	Restek RXi-5Sil MS (0.25 mm)	Detector	MS SCAN		

17 Fluoranthene, CAS: 206-44-0

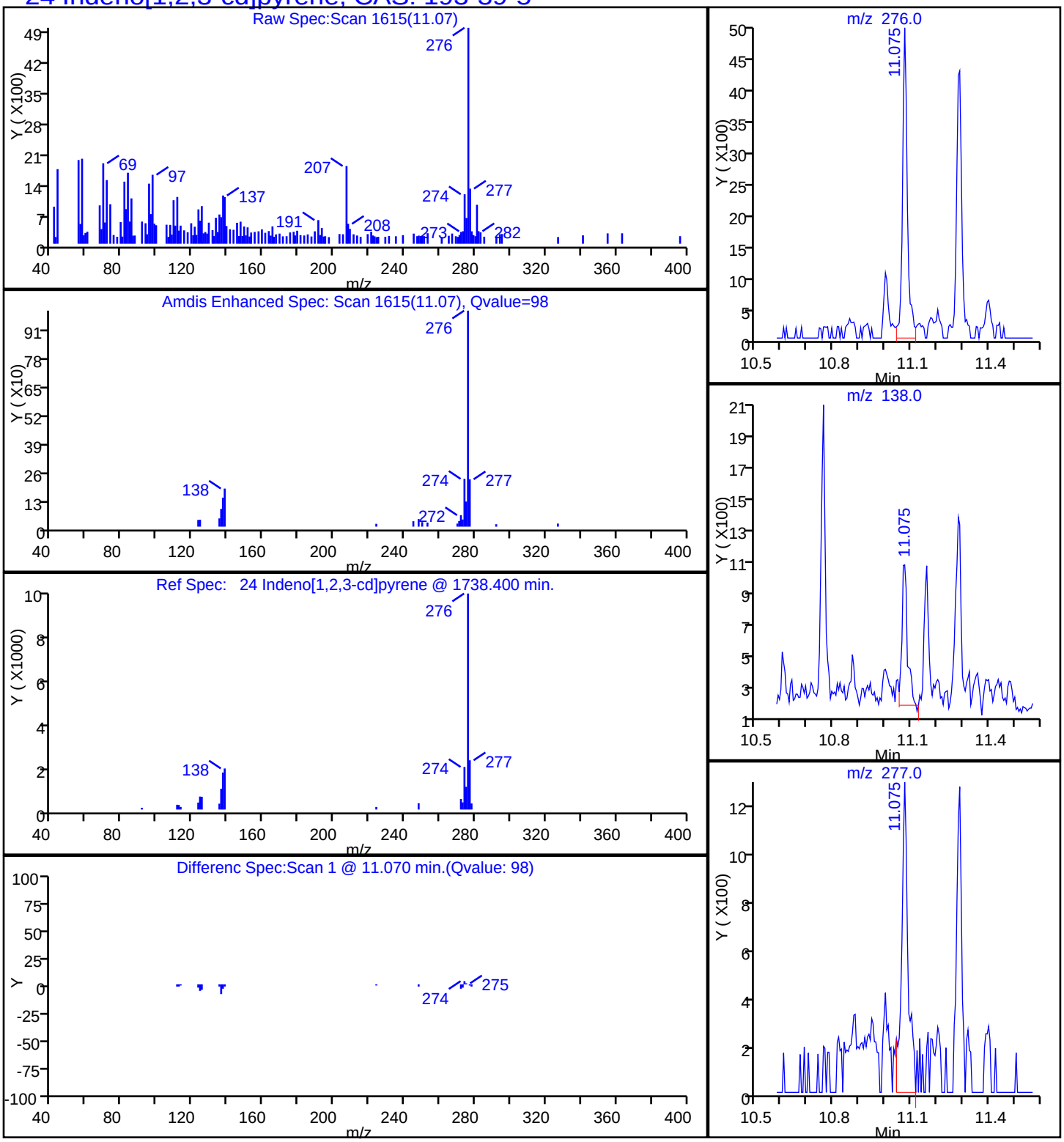


Report Date: 20-Oct-2014 09:22:17 Chrom Revision: 2.2 18-Aug-2014 12:17:36

TestAmerica Savannah

Data File:	\\SAVCHROM\ChromData\CMSY\20141017-13845.b\1YJ1725.D				
Injection Date:	17-Oct-2014 18:29:30	Instrument ID:	CMSY		
Lims ID:	680-106200-A-57-A	Lab Sample ID:	680-106200-57		
Client ID:	CV0509X-CS18				
Operator ID:	RM	ALS Bottle#:	25	Worklist Smp#:	25
Injection Vol:	2.0 ul	Dil. Factor:	1.0000		
Method:	8270D_LLPAH_MSY	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

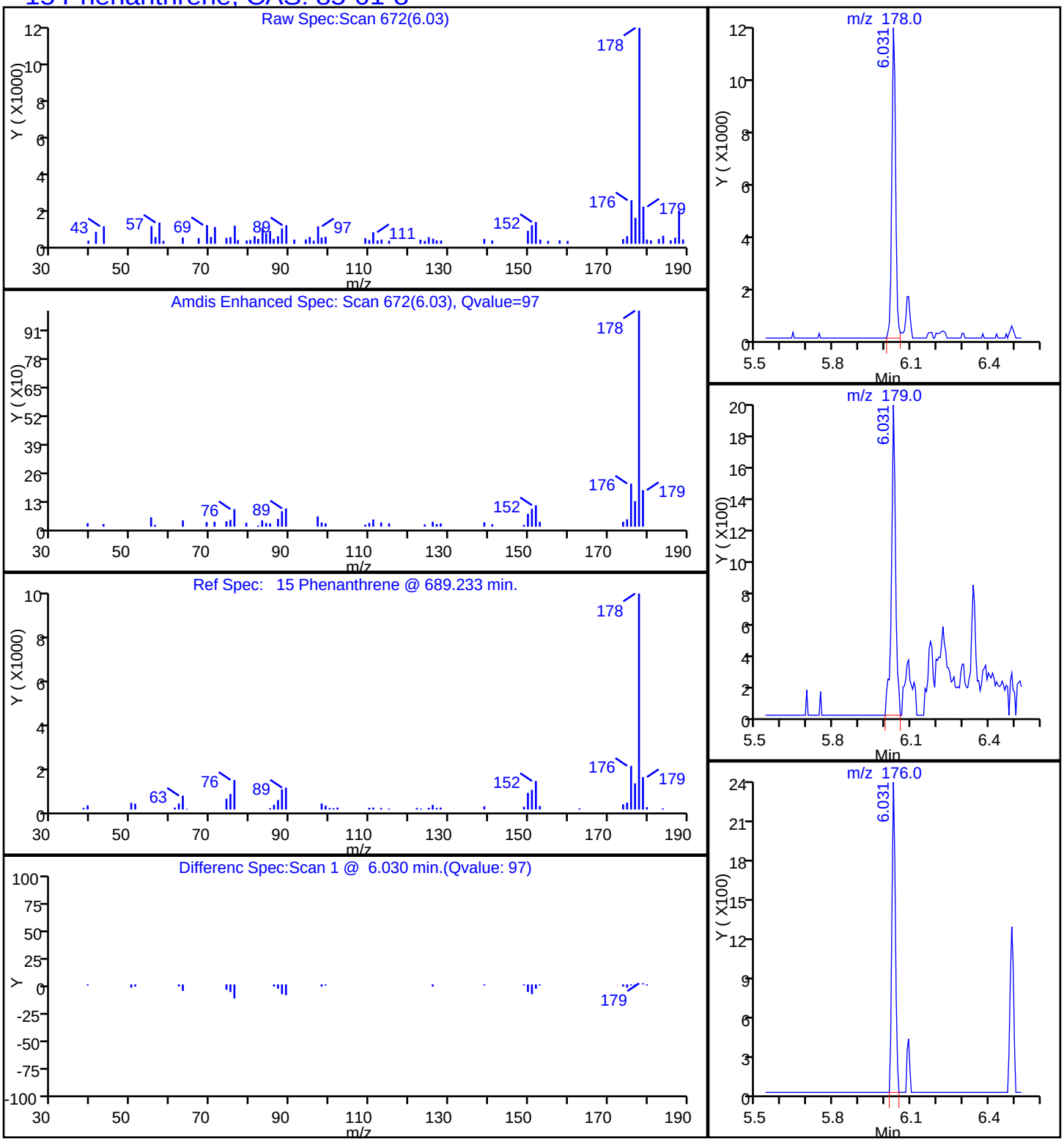


Report Date: 20-Oct-2014 09:22:17 Chrom Revision: 2.2 18-Aug-2014 12:17:36

TestAmerica Savannah

Data File:	\\SAVCHROM\ChromData\CMSY\20141017-13845.b\1YJ1725.D				
Injection Date:	17-Oct-2014 18:29:30	Instrument ID:	CMSY		
Lims ID:	680-106200-A-57-A	Lab Sample ID:	680-106200-57		
Client ID:	CV0509X-CS18				
Operator ID:	RM	ALS Bottle#:	25	Worklist Smp#:	25
Injection Vol:	2.0 ul	Dil. Factor:	1.0000		
Method:	8270D_LLPAH_MSY	Limit Group:	8270D_LL_PAH		
Column:	Restek RXi-5Sil MS (0.25 mm)	Detector	MS SCAN		

15 Phenanthrene, CAS: 85-01-8

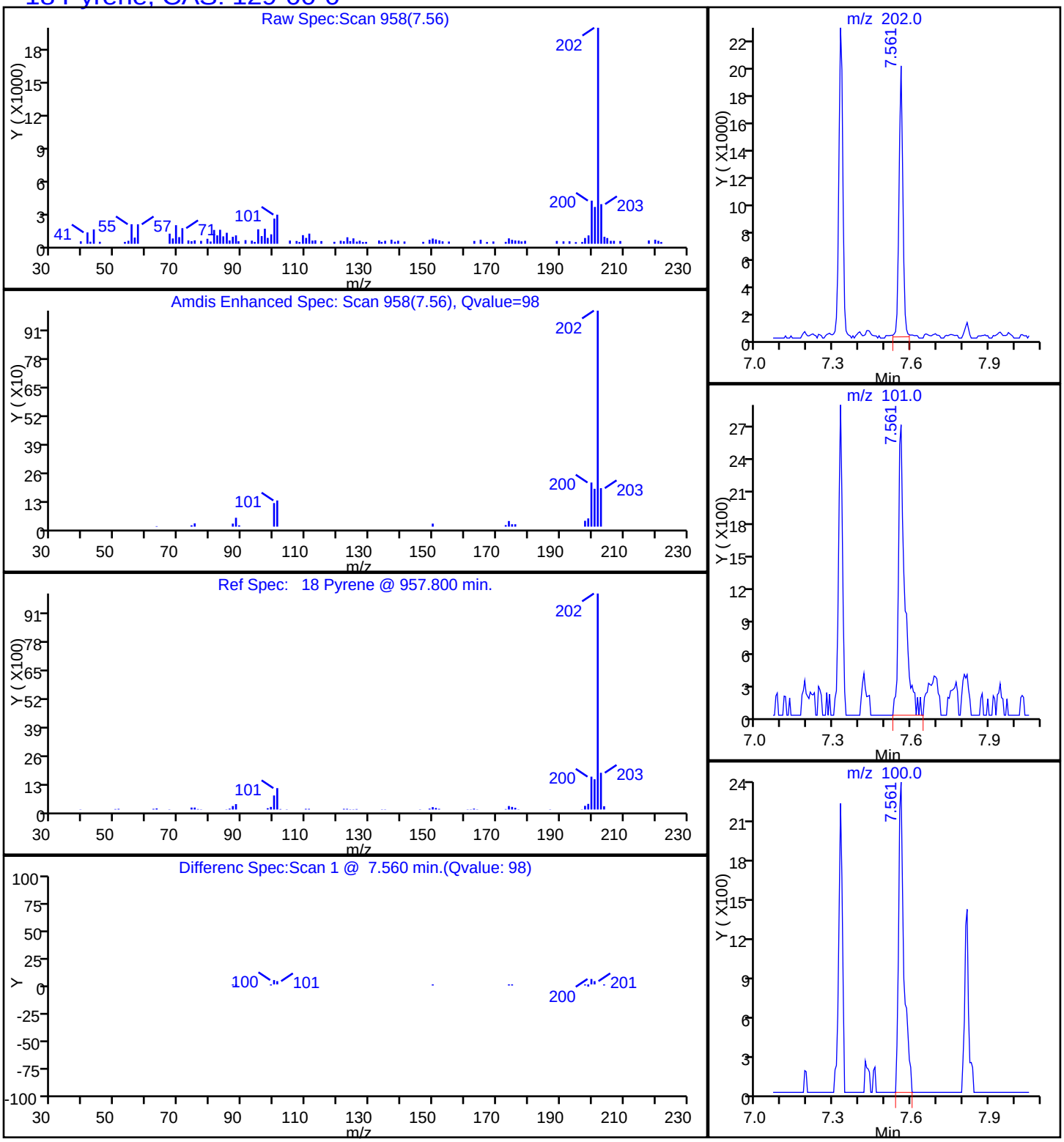


Report Date: 20-Oct-2014 09:22:17 Chrom Revision: 2.2 18-Aug-2014 12:17:36

TestAmerica Savannah

Data File:	\\SAVCHROM\ChromData\CMSY\20141017-13845.b\1YJ1725.D				
Injection Date:	17-Oct-2014 18:29:30	Instrument ID:	CMSY		
Lims ID:	680-106200-A-57-A	Lab Sample ID:	680-106200-57		
Client ID:	CV0509X-CS18				
Operator ID:	RM	ALS Bottle#:	25	Worklist Smp#:	25
Injection Vol:	2.0 ul	Dil. Factor:	1.0000		
Method:	8270D_LLPAH_MSY	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

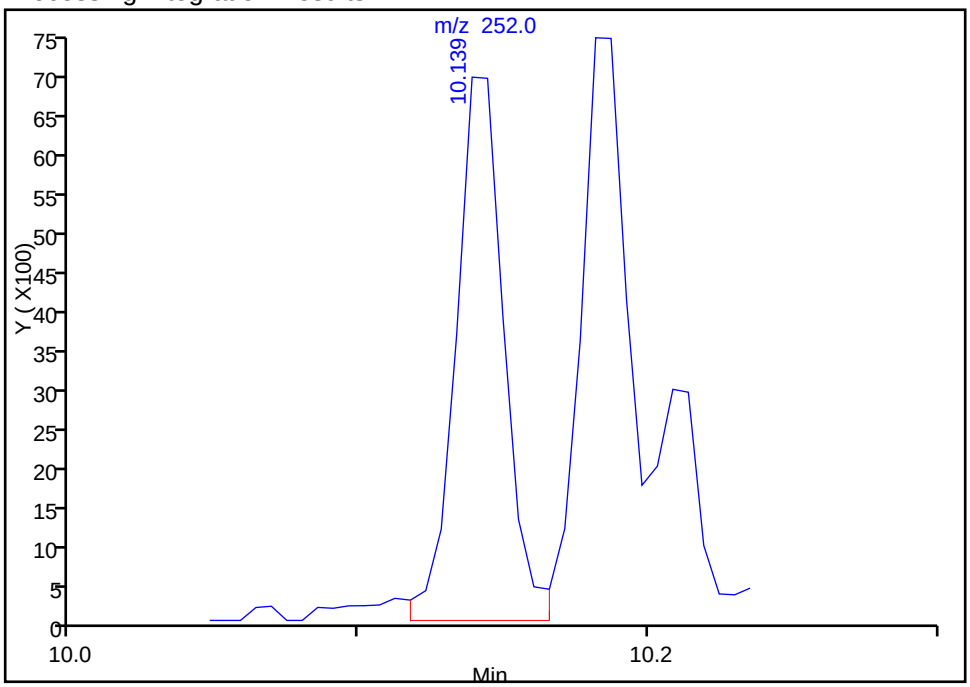
TestAmerica Savannah

Data File:	\\SAVCHROM\ChromData\CMSY\20141017-13845.b\1YJ1725.D				
Injection Date:	17-Oct-2014 18:29:30	Instrument ID:	CMSY		
Lims ID:	680-106200-A-57-A	Lab Sample ID:	680-106200-57		
Client ID:	CV0509X-CS18				
Operator ID:	RM	ALS Bottle#:	25	Worklist Smp#:	25
Injection Vol:	2.0 ul	Dil. Factor:	1.0000		
Method:	8270D_LLPAH_MSY	Limit Group:	8270D_LL_PAH		
Column:	Restek RXi-5Sil MS (0.25 mm)	Detector	MS SCAN		

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

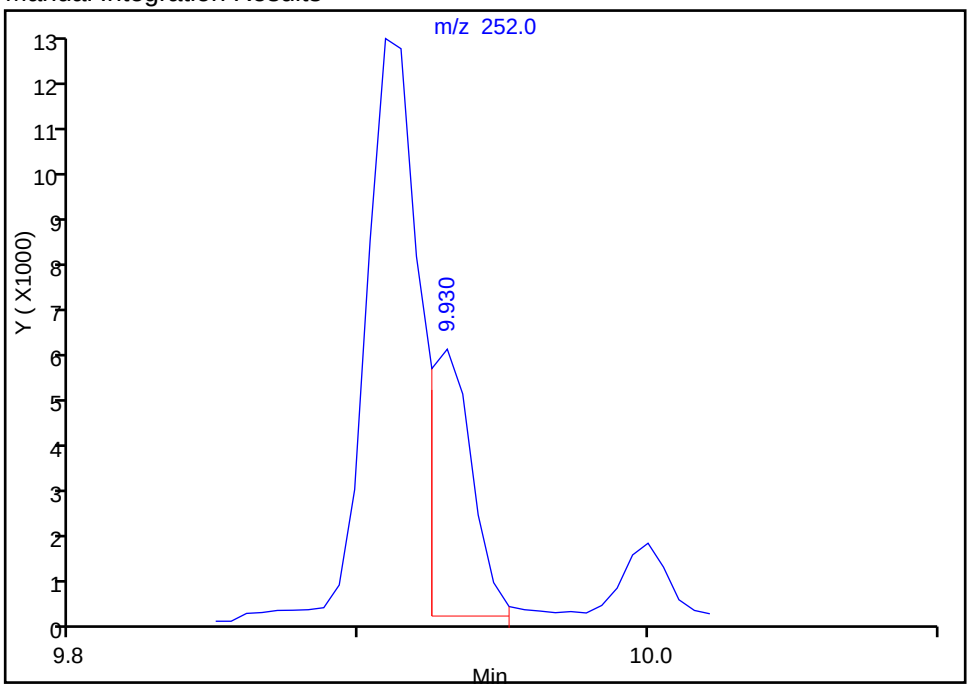
Processing Integration Results

RT: 10.14
Response: 8117
Amount: 0.171319



Manual Integration Results

RT: 9.93
Response: 5884
Amount: 0.124164



Reviewer: webbk, 20-Oct-2014 09:11:08
Audit Action: Manually Integrated
Audit Reason: Split Peak

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Savannah | Job No.: 680-106200-4

SDG No.: 680-106200-04

Client Sample ID: CV0613A-CS6 | Lab Sample ID: 680-106200-58

Matrix: Solid | Lab File ID: 1YJ1726.D

Analysis Method: 8270D_LL_PAH | Date Collected: 10/07/2014 13:00

Extract. Method: 3546 | Date Extracted: 10/15/2014 14:21

Sample wt/vol: 30.02(g) | Date Analyzed: 10/17/2014 18:52

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

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

% Moisture: 7.0 | GPC Cleanup:(Y/N) N

Analysis Batch No.: 354069 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
83-32-9	Acenaphthene	72	U	72	35
208-96-8	Acenaphthylene	49	J	72	35
120-12-7	Anthracene	92		72	35
56-55-3	Benzo[a]anthracene	380		72	35
50-32-8	Benzo[a]pyrene	440		72	13
205-99-2	Benzo[b]fluoranthene	850		72	35
191-24-2	Benzo[g,h,i]perylene	320		72	35
207-08-9	Benzo[k]fluoranthene	250		72	21
218-01-9	Chrysene	490		72	35
53-70-3	Dibenz(a,h)anthracene	180		72	35
206-44-0	Fluoranthene	510		72	35
86-73-7	Fluorene	72	U	72	35
193-39-5	Indeno[1,2,3-cd]pyrene	220		72	35
90-12-0	1-Methylnaphthalene	40	J	72	33
91-57-6	2-Methylnaphthalene	54	J	72	35
91-20-3	Naphthalene	54	J	72	35
85-01-8	Phenanthrene	250		72	26
129-00-0	Pyrene	600		72	35

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\CMSY\20141017-13845.b\1YJ1726.D
Lims ID: 680-106200-A-58-A Lab Sample ID: 680-106200-58
Client ID: CV0613A-CS6
Sample Type: Client
Inject. Date: 17-Oct-2014 18:52:30 ALS Bottle#: 26 Worklist Smp#: 26
Injection Vol: 2.0 ul Dil. Factor: 10.0000
Sample Info: 106200-A-58-A 1:10
Misc. Info.: 680-0013845-026
Operator ID: RM Instrument ID: CMSY

Method: \\SAVCHROM\ChromData\CMSY\20141017-13845.b\8270D_LLPAH_MSY.m
Limit Group: 8270D_LL_PAH
Last Update: 20-Oct-2014 09:21:49 Calib Date: 07-Oct-2014 15:41:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\SAVCHROM\ChromData\CMSY\20141007-13559.b\3YJ0707.D

Column 1 : Restek RXi-5Sil MS (0.25 mm) Det: MS SCAN
Process Host: XAWRK024

First Level Reviewer: webbk Date: 20-Oct-2014 09:11:57

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/ml	Flags
* 1 Naphthalene-d8	136	2.763	2.753	0.010	98	130276	2.00	
* 2 Acenaphthene-d10	164	4.443	4.437	0.006	91	74845	2.00	
* 3 Phenanthrene-d10	188	6.010	6.005	0.006	98	124916	2.00	
* 4 Chrysene-d12	240	8.882	8.877	0.005	99	90094	2.00	
* 5 Perylene-d12	264	10.235	10.225	0.010	99	62024	2.00	
7 Naphthalene	128	2.779	2.774	0.005	99	10703	0.1506	
8 2-Methylnaphthalene	142	3.416	3.410	0.006	85	7164	0.1520	
9 1-Methylnaphthalene	142	3.507	3.501	0.006	91	4879	0.1117	
11 Acenaphthylene	152	4.293	4.288	0.005	97	9992	0.1378	
12 Acenaphthene	153	4.475	4.469	0.006	96	2765	0.0593	
14 Fluorene	166	5.020	5.015	0.005	95	2916	0.0567	
15 Phenanthrene	178	6.031	6.031	0.000	96	53108	0.7104	
16 Anthracene	178	6.090	6.085	0.005	99	18995	0.2555	
17 Fluoranthene	202	7.326	7.320	0.006	98	113504	1.43	
18 Pyrene	202	7.561	7.556	0.005	98	99120	1.68	
19 Benzo[a]anthracene	228	8.877	8.866	0.011	97	55421	1.05	
20 Chrysene	228	8.909	8.903	0.006	99	67773	1.36	
21 Benzo[b]fluoranthene	252	9.914	9.904	0.010	98	97145	2.38	
22 Benzo[k]fluoranthene	252	9.936	9.930	0.006	98	27997	0.7079	M
23 Benzo[a]pyrene	252	10.187	10.176	0.011	98	41173	1.23	
24 Indeno[1,2,3-cd]pyrene	276	11.075	11.070	0.005	99	30908	0.6249	
25 Dibenz(a,h)anthracene	278	11.102	11.091	0.011	99	14909	0.5083	
26 Benzo[g,h,i]perylene	276	11.284	11.273	0.011	98	27711	0.9054	

QC Flag Legend

Review Flags
M - Manually Integrated

Reagents:

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

Report Date: 20-Oct-2014 09:22:18 Chrom Revision: 2.2 18-Aug-2014 12:17:36

TestAmerica Savannah

Data File:	\\SAVCHROM\ChromData\CMSY\20141017-13845.b\1YJ1726.D				
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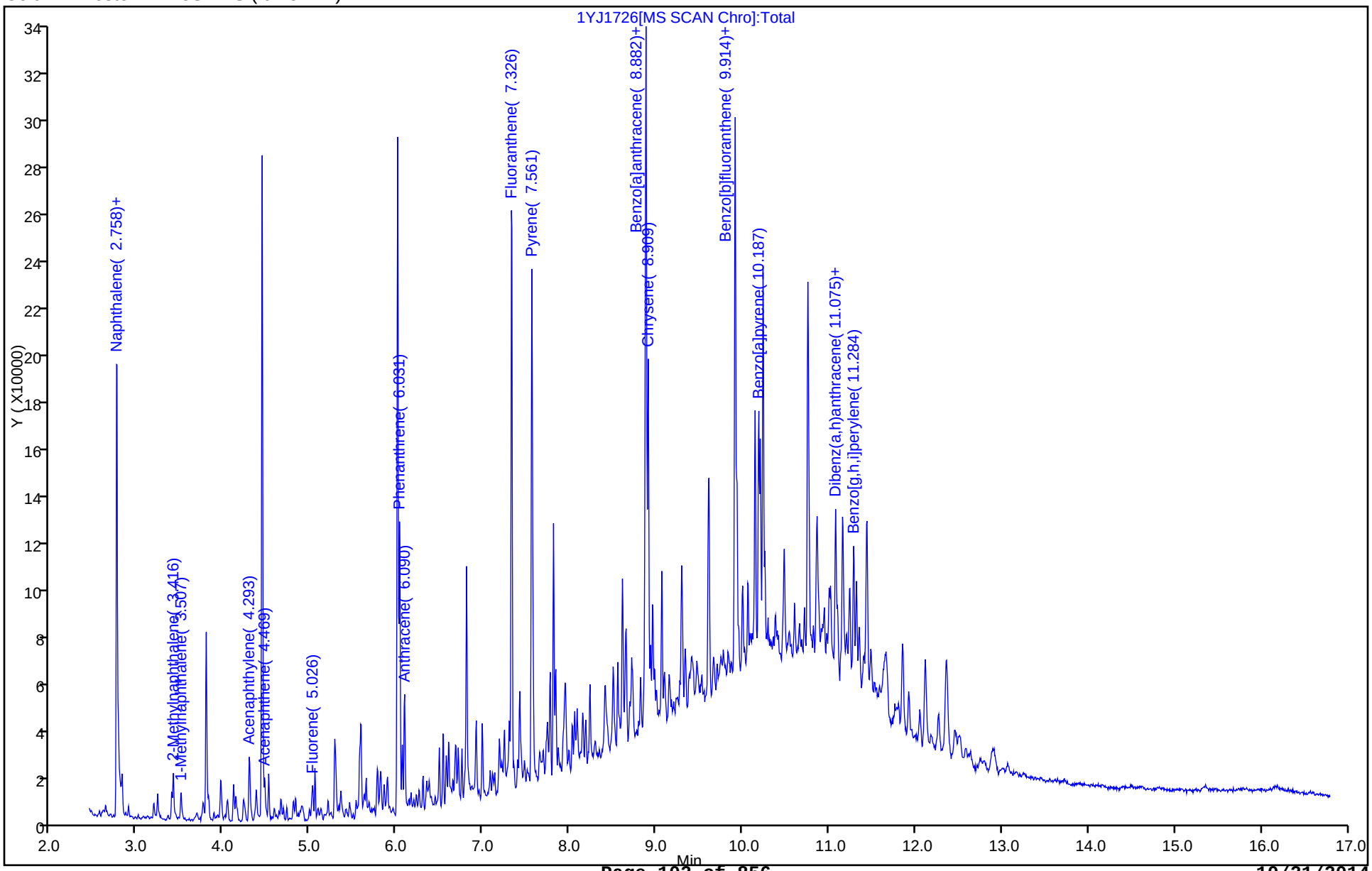
Lims ID:	680-106200-A-58-A	Lab Sample ID:	680-106200-58	Worklist Smp#:	26
Client ID:	CV0613A-CS6				
Injection Vol:	2.0 ul	Dil. Factor:	10.0000	ALS Bottle#:	26
Method:	8270D_LLPAH_MSY	Limit Group:	8270D_LL_PAH		

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



Report Date: 20-Oct-2014 09:22:18 Chrom Revision: 2.2 18-Aug-2014 12:17:36

TestAmerica Savannah

Data File:	\\SAVCHROM\ChromData\CMSY\20141017-13845.b\1YJ1726.D				
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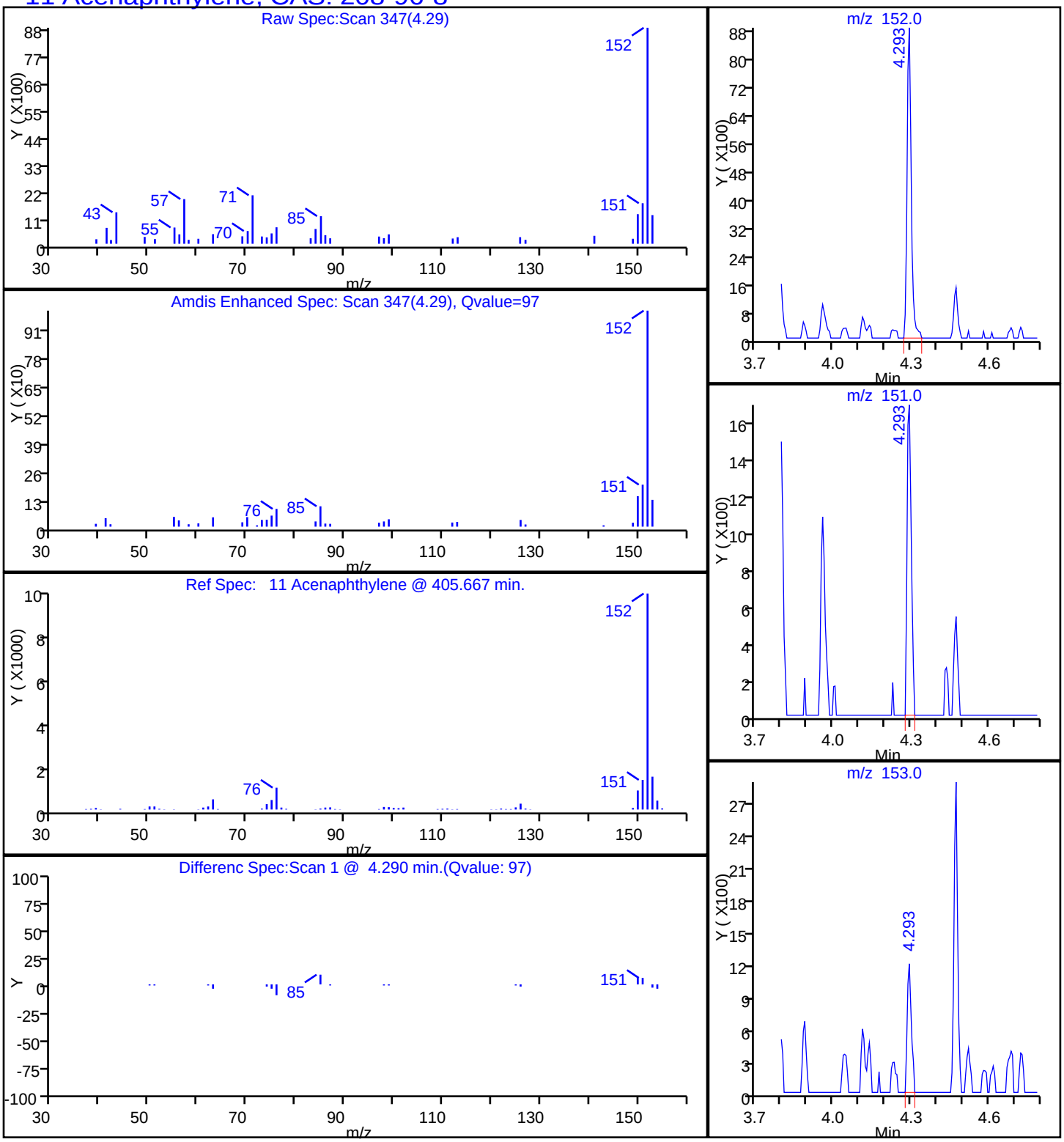
Lims ID:	680-106200-A-58-A	Lab Sample ID:	680-106200-58		
Client ID:	CV0613A-CS6				
Operator ID:	RM	ALS Bottle#:	26	Worklist Smp#:	26
Injection Vol:	2.0 ul	Dil. Factor:	10.0000		
Method:	8270D_LLPAH_MSY	Limit Group:	8270D_LL_PAH		
Column:	Restek RXi-5Sil MS (0.25 mm)	Detector	MS SCAN		

11 Acenaphthylene, CAS: 208-96-8



Report Date: 20-Oct-2014 09:22:18 Chrom Revision: 2.2 18-Aug-2014 12:17:36

TestAmerica Savannah

Data File:	\\SAVCHROM\ChromData\CMSY\20141017-13845.b\1YJ1726.D				
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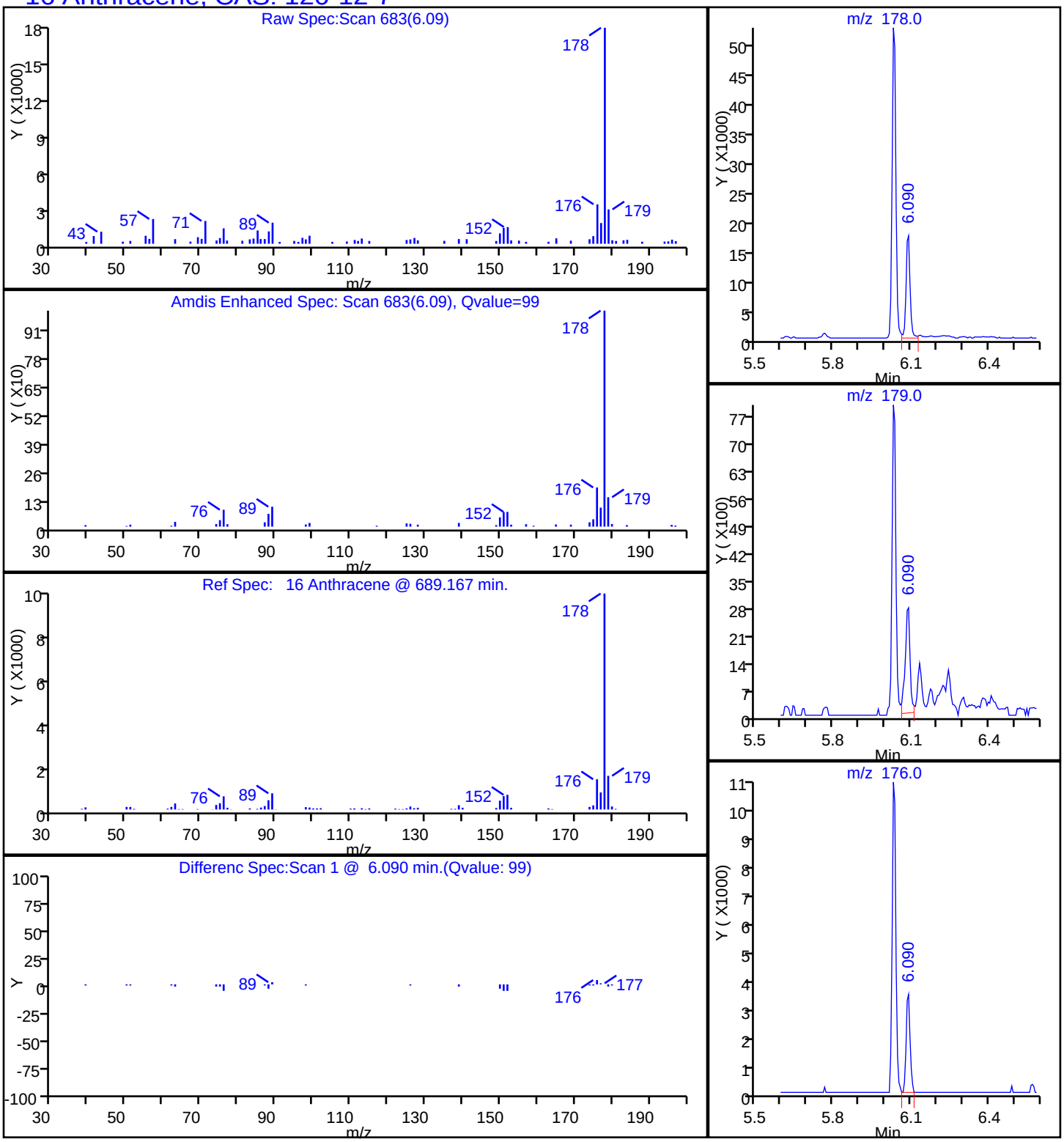
Lims ID:	680-106200-A-58-A	Lab Sample ID:	680-106200-58		
Client ID:	CV0613A-CS6				
Operator ID:	RM	ALS Bottle#:	26	Worklist Smp#:	26
Injection Vol:	2.0 ul	Dil. Factor:	10.0000		
Method:	8270D_LLPAH_MSY	Limit Group:	8270D_LL_PAH		
Column:	Restek RXi-5Sil MS (0.25 mm)	Detector	MS SCAN		

16 Anthracene, CAS: 120-12-7



Report Date: 20-Oct-2014 09:22:18 Chrom Revision: 2.2 18-Aug-2014 12:17:36

TestAmerica Savannah

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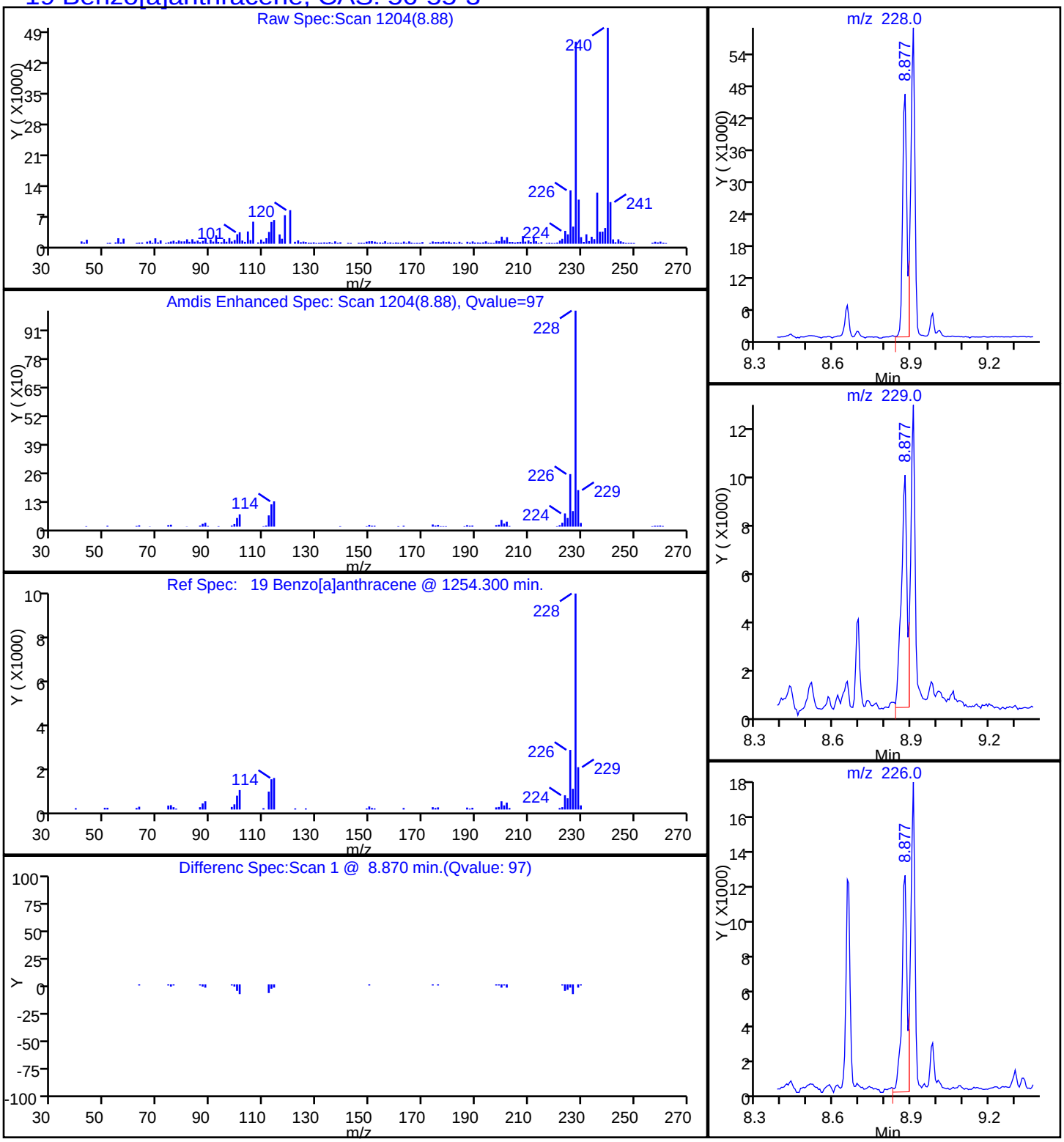
Lims ID:	680-106200-A-58-A	Lab Sample ID:	680-106200-58		
Client ID:	CV0613A-CS6				
Operator ID:	RM	ALS Bottle#:	26	Worklist Smp#:	26
Injection Vol:	2.0 ul	Dil. Factor:	10.0000		
Method:	8270D_LLPAH_MSY	Limit Group:	8270D_LL_PAH		
Column:	Restek RXi-5Sil MS (0.25 mm)	Detector	MS SCAN		

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



Report Date: 20-Oct-2014 09:22:18 Chrom Revision: 2.2 18-Aug-2014 12:17:36

TestAmerica Savannah

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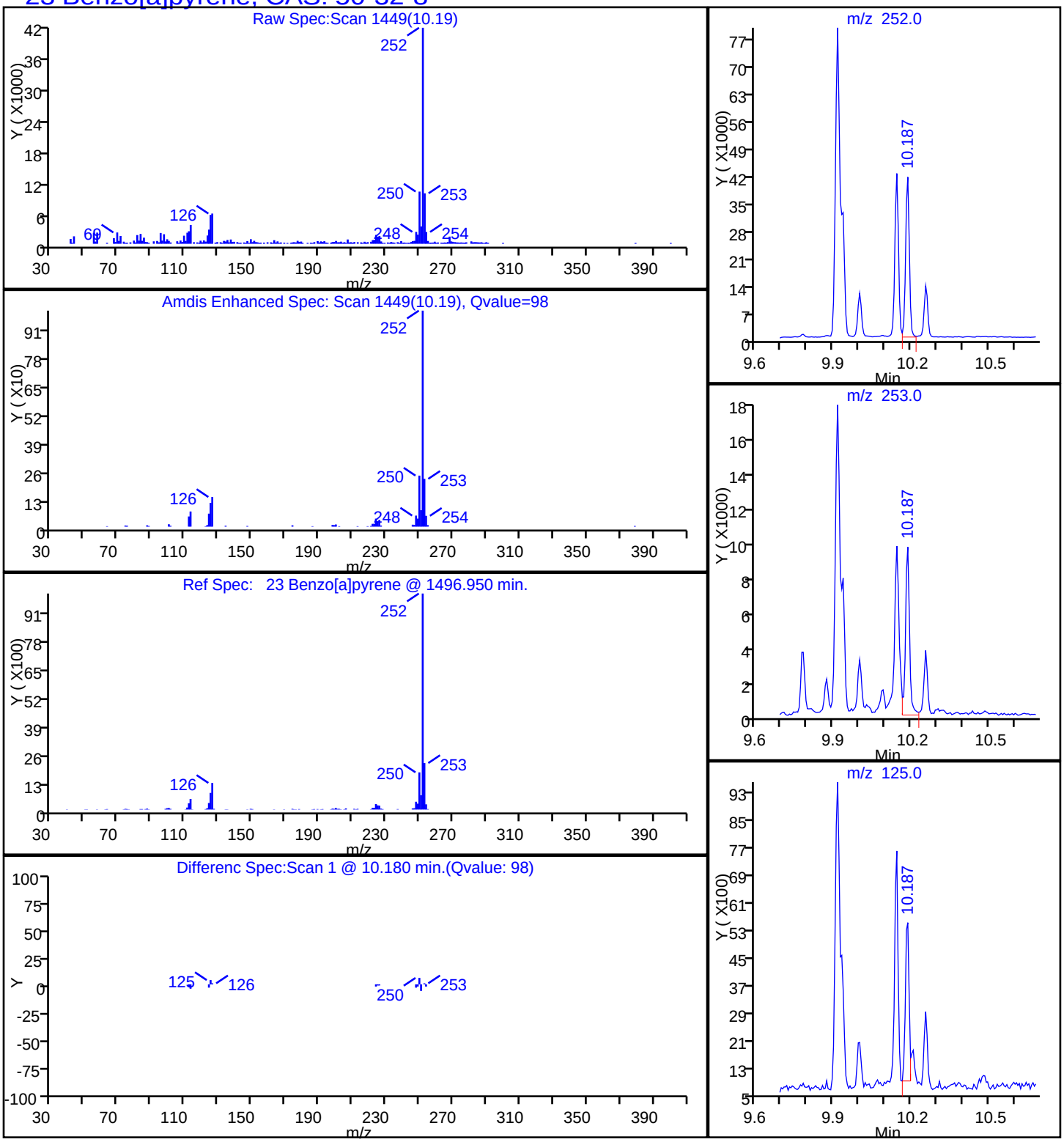
Client ID:	CV0613A-CS6				
Operator ID:	RM	ALS Bottle#:	26	Worklist Smp#:	26
Injection Vol:	2.0 ul	Dil. Factor:	10.0000		
Method:	8270D_LLPAH_MSY	Limit Group:	8270D_LL_PAH		
Column:	Restek RXi-5Sil MS (0.25 mm)	Detector	MS SCAN		

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



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TestAmerica Savannah

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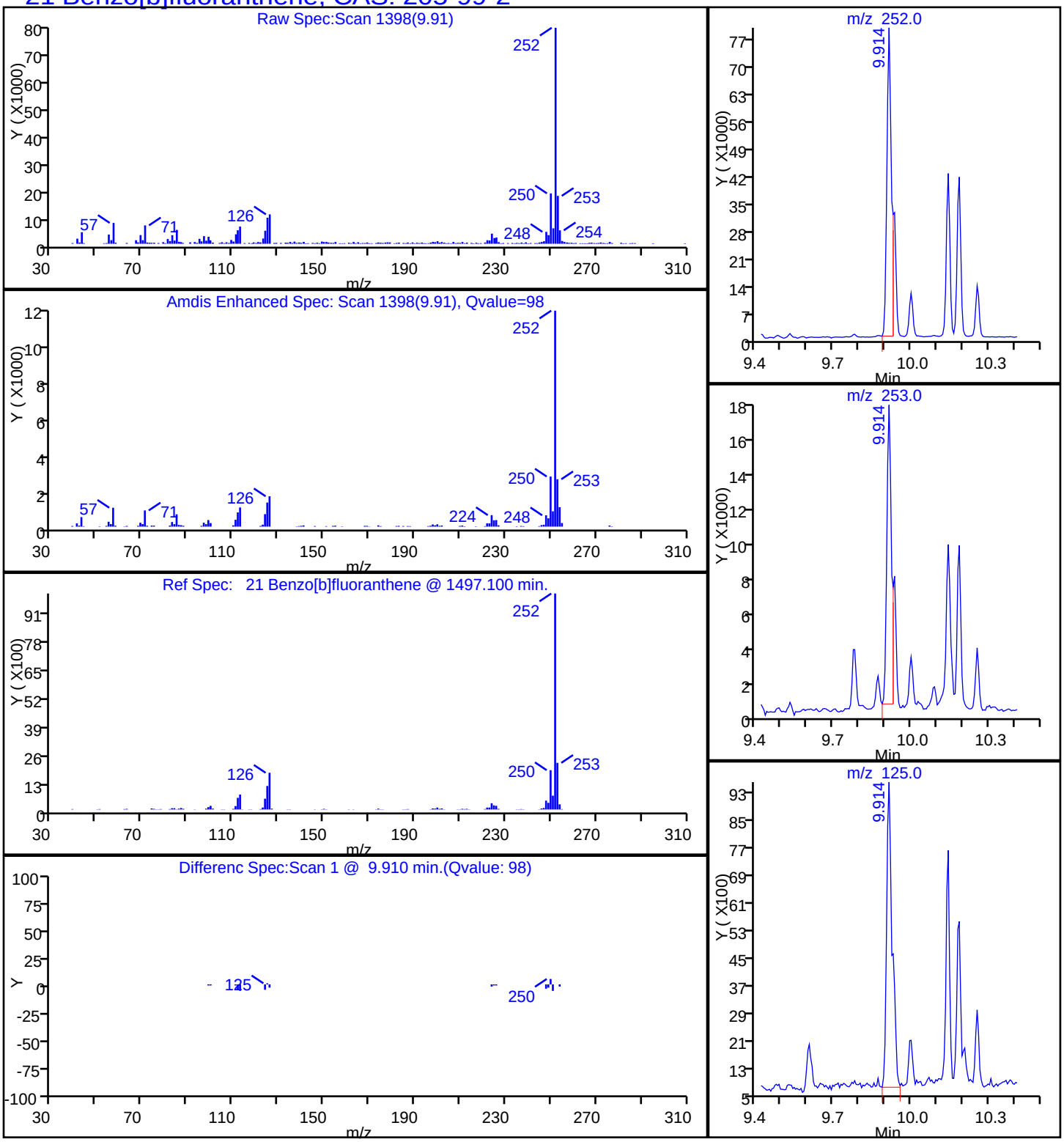
Lims ID:	680-106200-A-58-A	Lab Sample ID:	680-106200-58		
Client ID:	CV0613A-CS6				
Operator ID:	RM	ALS Bottle#:	26	Worklist Smp#:	26
Injection Vol:	2.0 ul	Dil. Factor:	10.0000		
Method:	8270D_LLPAH_MSY	Limit Group:	8270D_LL_PAH		
Column:	Restek RXi-5Sil MS (0.25 mm)	Detector	MS SCAN		

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



Report Date: 20-Oct-2014 09:22:18 Chrom Revision: 2.2 18-Aug-2014 12:17:36

TestAmerica Savannah

Data File:	\\SAVCHROM\ChromData\CMSY\20141017-13845.b\1YJ1726.D				
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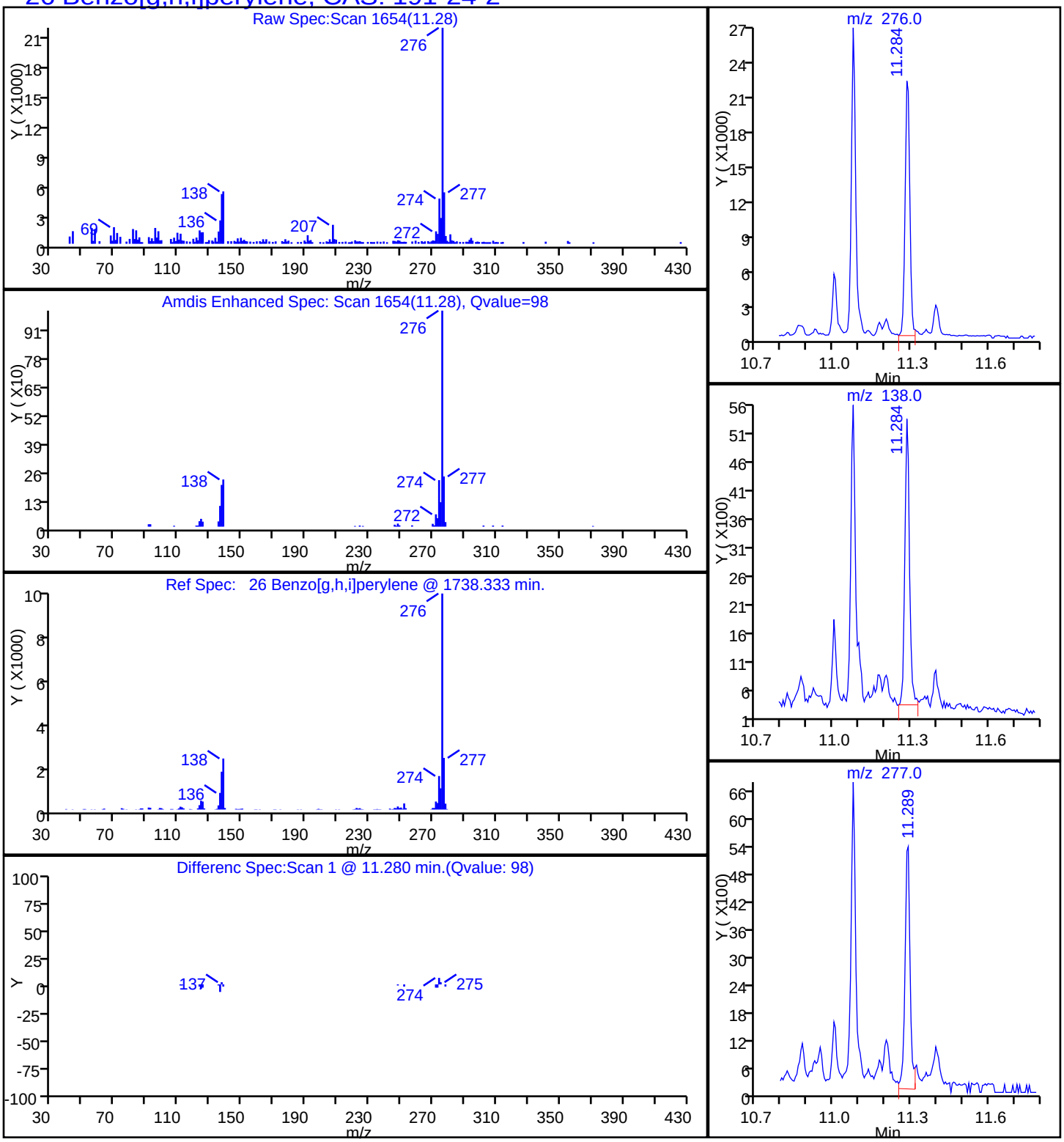
Lims ID:	680-106200-A-58-A	Lab Sample ID:	680-106200-58		
Client ID:	CV0613A-CS6				
Operator ID:	RM	ALS Bottle#:	26	Worklist Smp#:	26
Injection Vol:	2.0 ul	Dil. Factor:	10.0000		
Method:	8270D_LLPAH_MSY	Limit Group:	8270D_LL_PAH		
Column:	Restek RXi-5Sil MS (0.25 mm)	Detector	MS SCAN		

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



Report Date: 20-Oct-2014 09:22:18 Chrom Revision: 2.2 18-Aug-2014 12:17:36

TestAmerica Savannah

Data File:	\\SAVCHROM\ChromData\CMSY\20141017-13845.b\1YJ1726.D				
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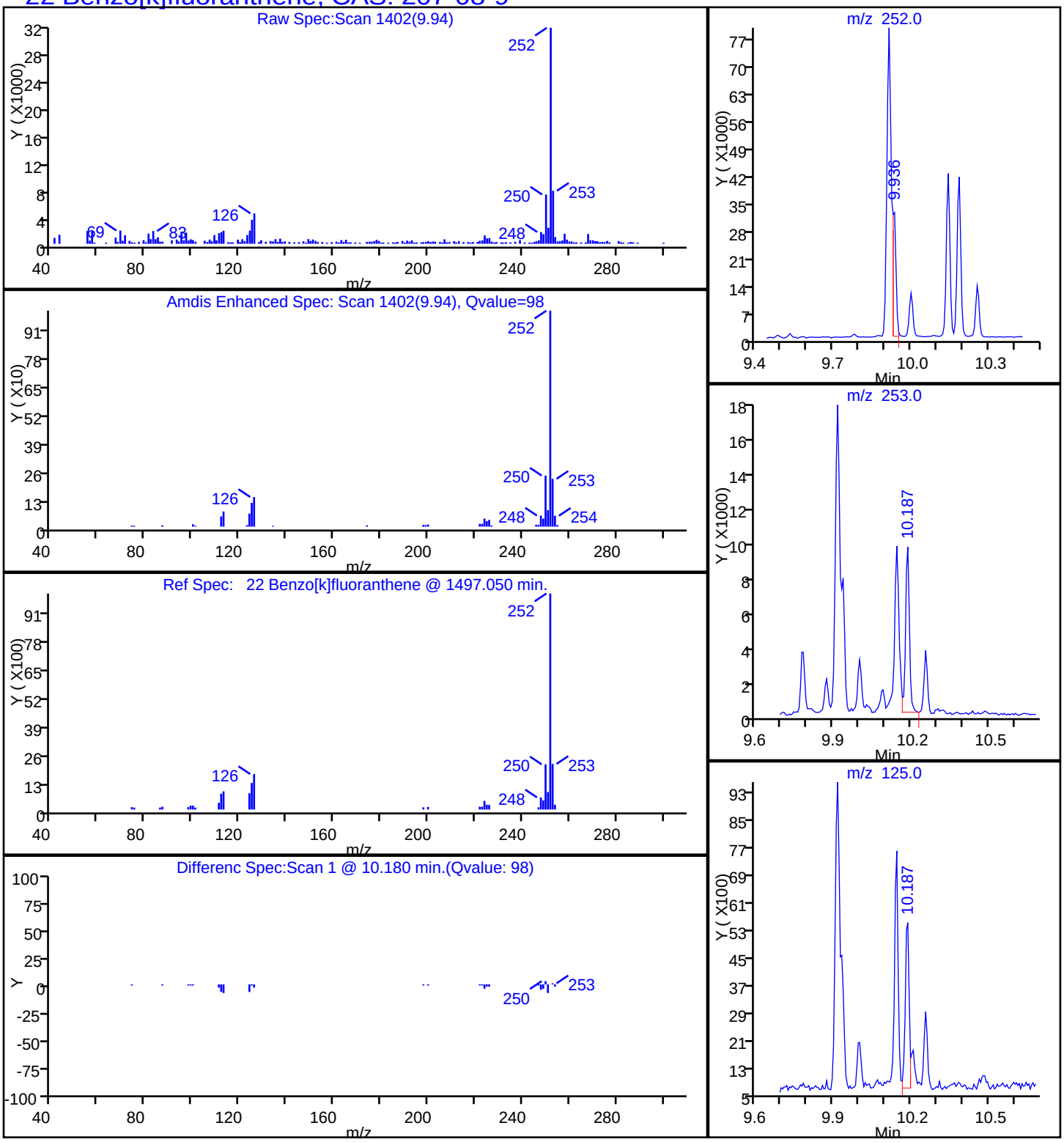
Lims ID:	680-106200-A-58-A	Lab Sample ID:	680-106200-58		
Client ID:	CV0613A-CS6				
Operator ID:	RM	ALS Bottle#:	26	Worklist Smp#:	26
Injection Vol:	2.0 ul	Dil. Factor:	10.0000		
Method:	8270D_LLPAH_MSY	Limit Group:	8270D_LL_PAH		
Column:	Restek RXi-5Sil MS (0.25 mm)	Detector	MS SCAN		

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



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TestAmerica Savannah

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Injection Vol:	2.0 ul	Dil. Factor:	10.0000		
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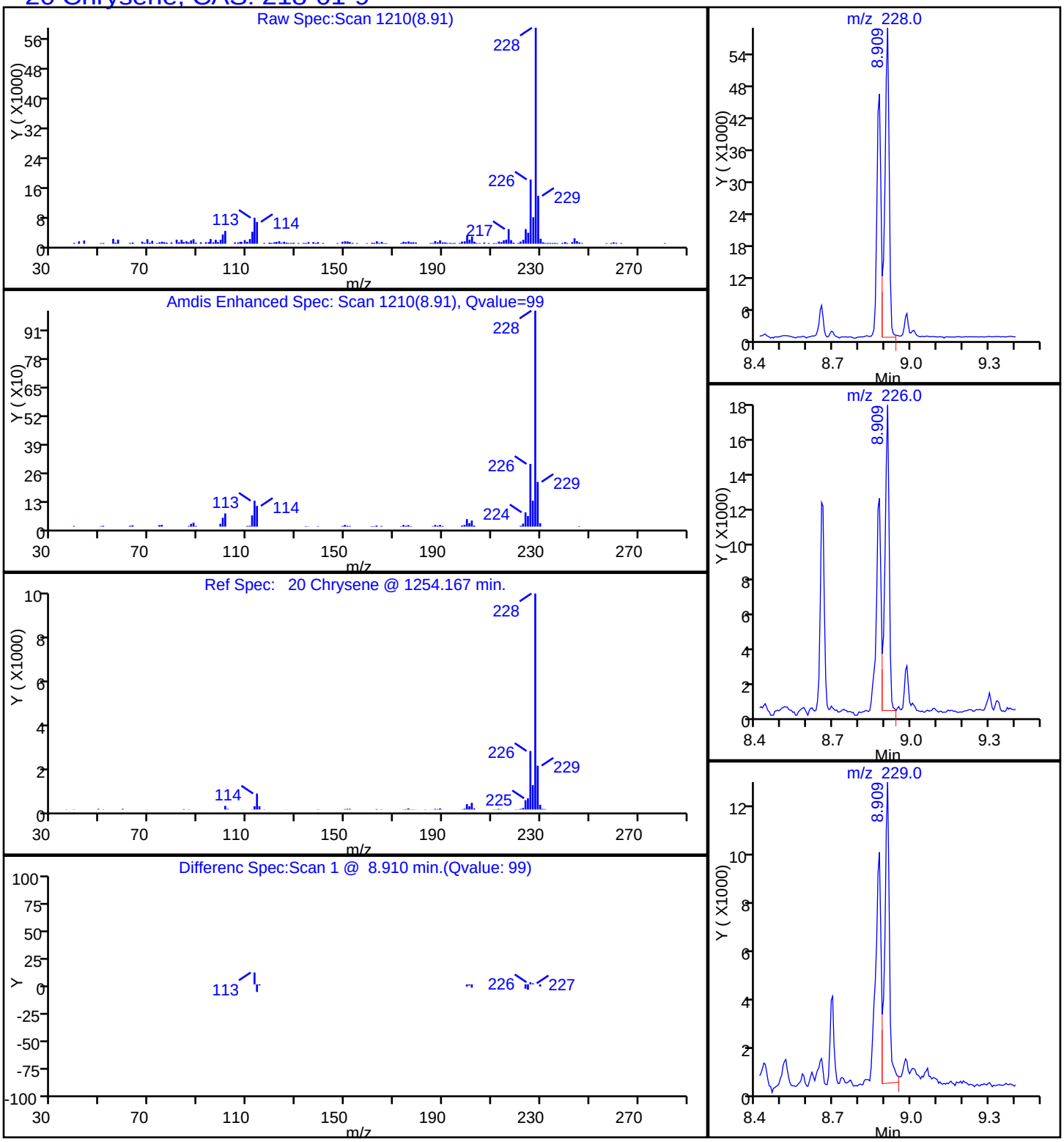
Column:	Restek RXi-5Sil MS (0.25 mm)	Detector	MS SCAN		

20 Chrysene, CAS: 218-01-9



Report Date: 20-Oct-2014 09:22:18 Chrom Revision: 2.2 18-Aug-2014 12:17:36

TestAmerica Savannah

Data File:	\\SAVCHROM\ChromData\CMSY\20141017-13845.b\1YJ1726.D				
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Client ID:	CV0613A-CS6				
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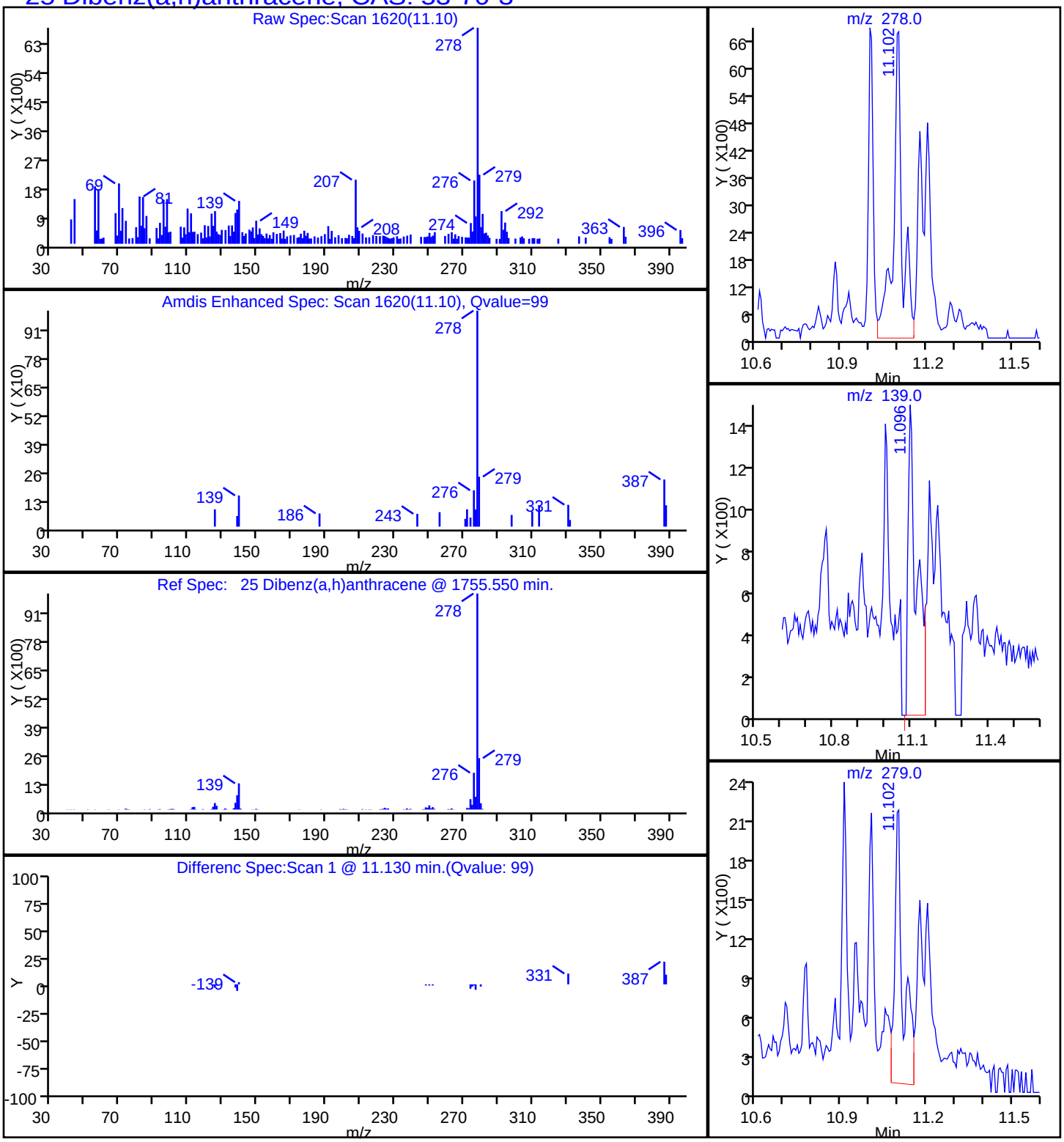
Injection Vol:	2.0 ul	Dil. Factor:	10.0000		
Method:	8270D_LLPAH_MSY	Limit Group:	8270D_LL_PAH		
Column:	Restek RXi-5Sil MS (0.25 mm)	Detector	MS SCAN		

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



Report Date: 20-Oct-2014 09:22:18 Chrom Revision: 2.2 18-Aug-2014 12:17:36

TestAmerica Savannah

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Client ID:	CV0613A-CS6				
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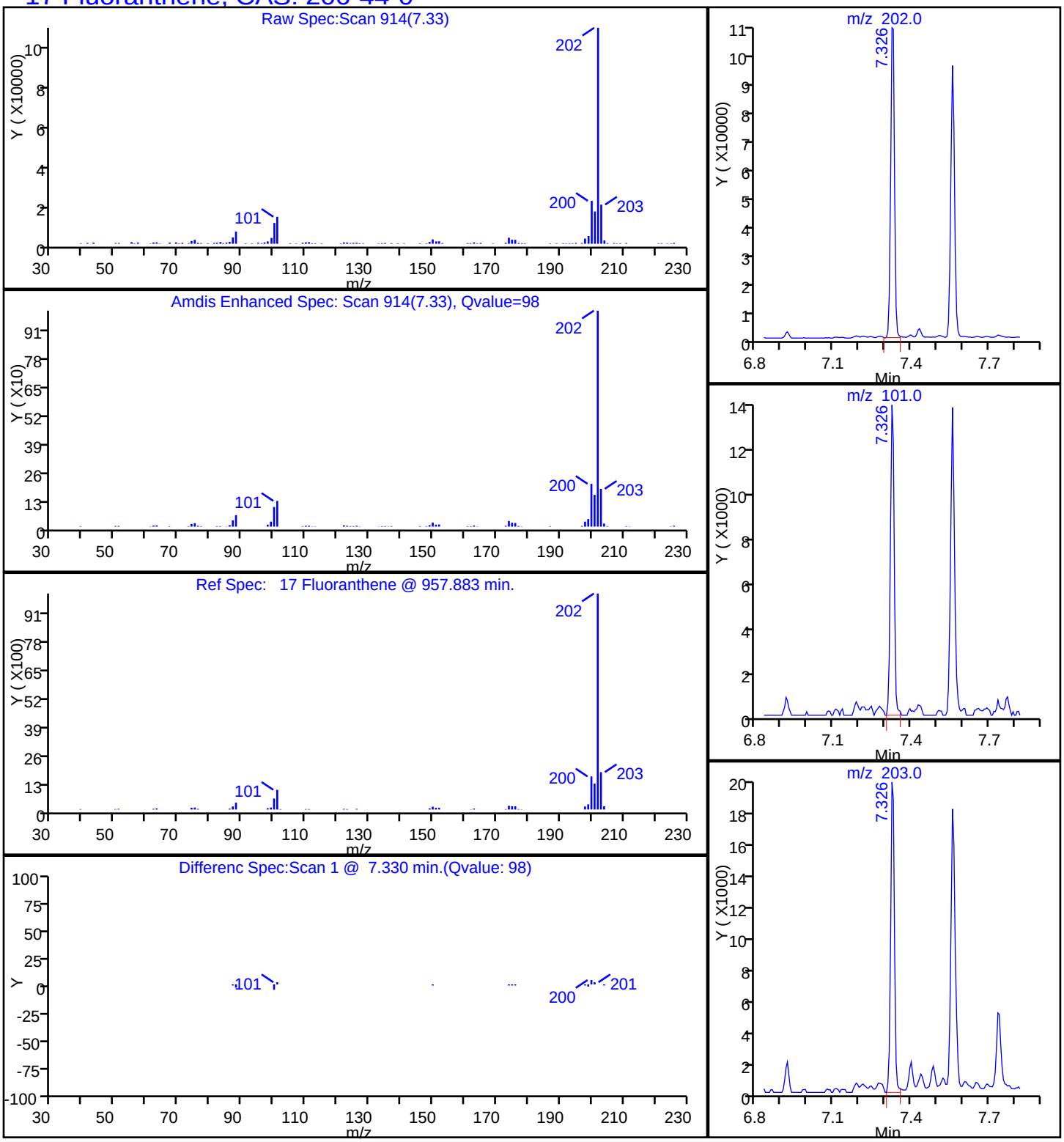
Method:	8270D_LLPAH_MSY	Limit Group:	8270D_LL_PAH		
Column:	Restek RXi-5Sil MS (0.25 mm)	Detector	MS SCAN		

17 Fluoranthene, CAS: 206-44-0



Report Date: 20-Oct-2014 09:22:18 Chrom Revision: 2.2 18-Aug-2014 12:17:36

TestAmerica Savannah

Data File:	\\SAVCHROM\ChromData\CMSY\20141017-13845.b\1YJ1726.D				
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Lims ID:	680-106200-A-58-A	Lab Sample ID:	680-106200-58		
Client ID:	CV0613A-CS6				
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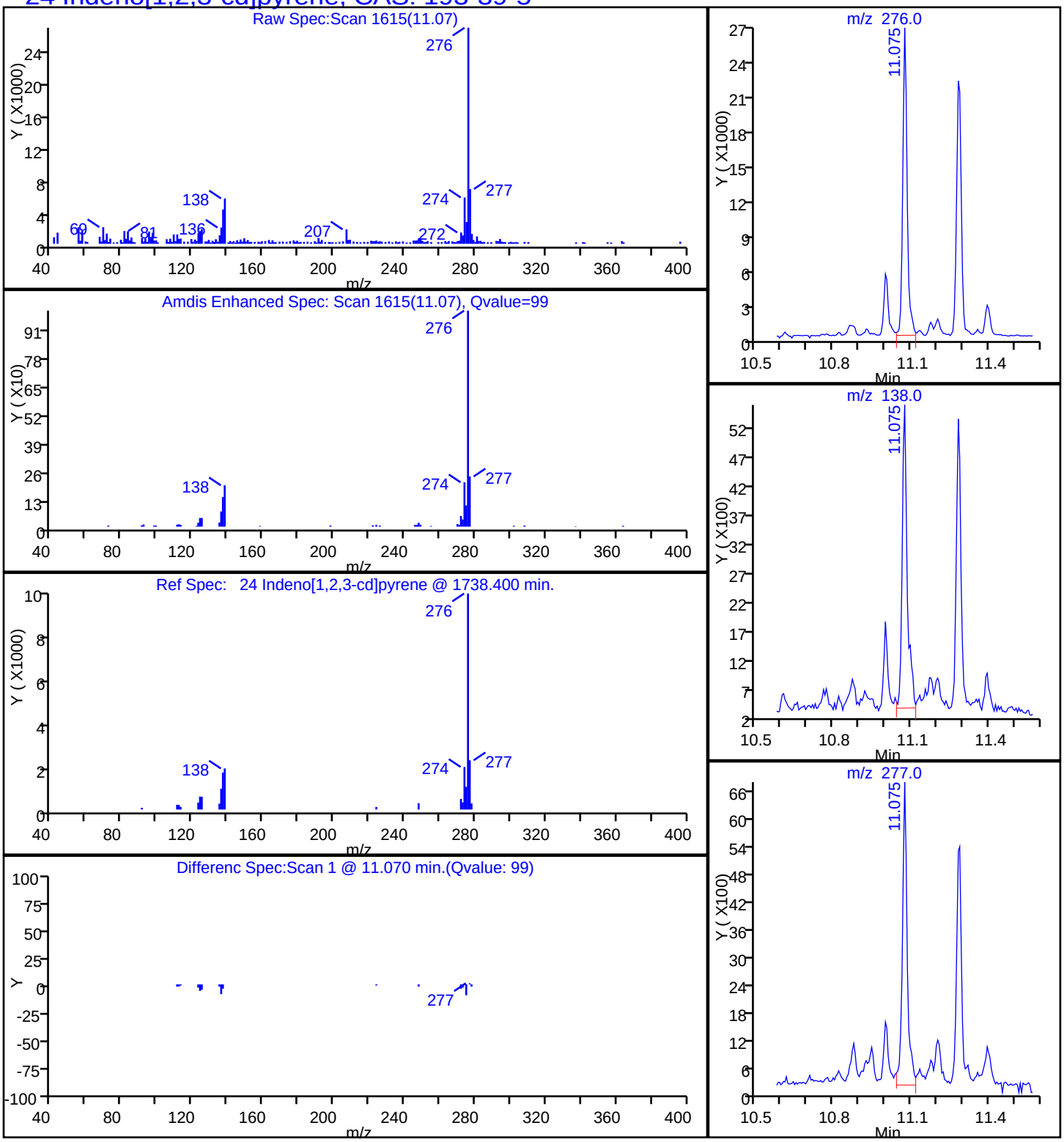
Method:	8270D_LLPAH_MSY	Limit Group:	8270D_LL_PAH		
Column:	Restek RXi-5Sil MS (0.25 mm)	Detector	MS SCAN		

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



Report Date: 20-Oct-2014 09:22:18 Chrom Revision: 2.2 18-Aug-2014 12:17:36

TestAmerica Savannah

Data File:	\\SAVCHROM\ChromData\CMSY\20141017-13845.b\1YJ1726.D				
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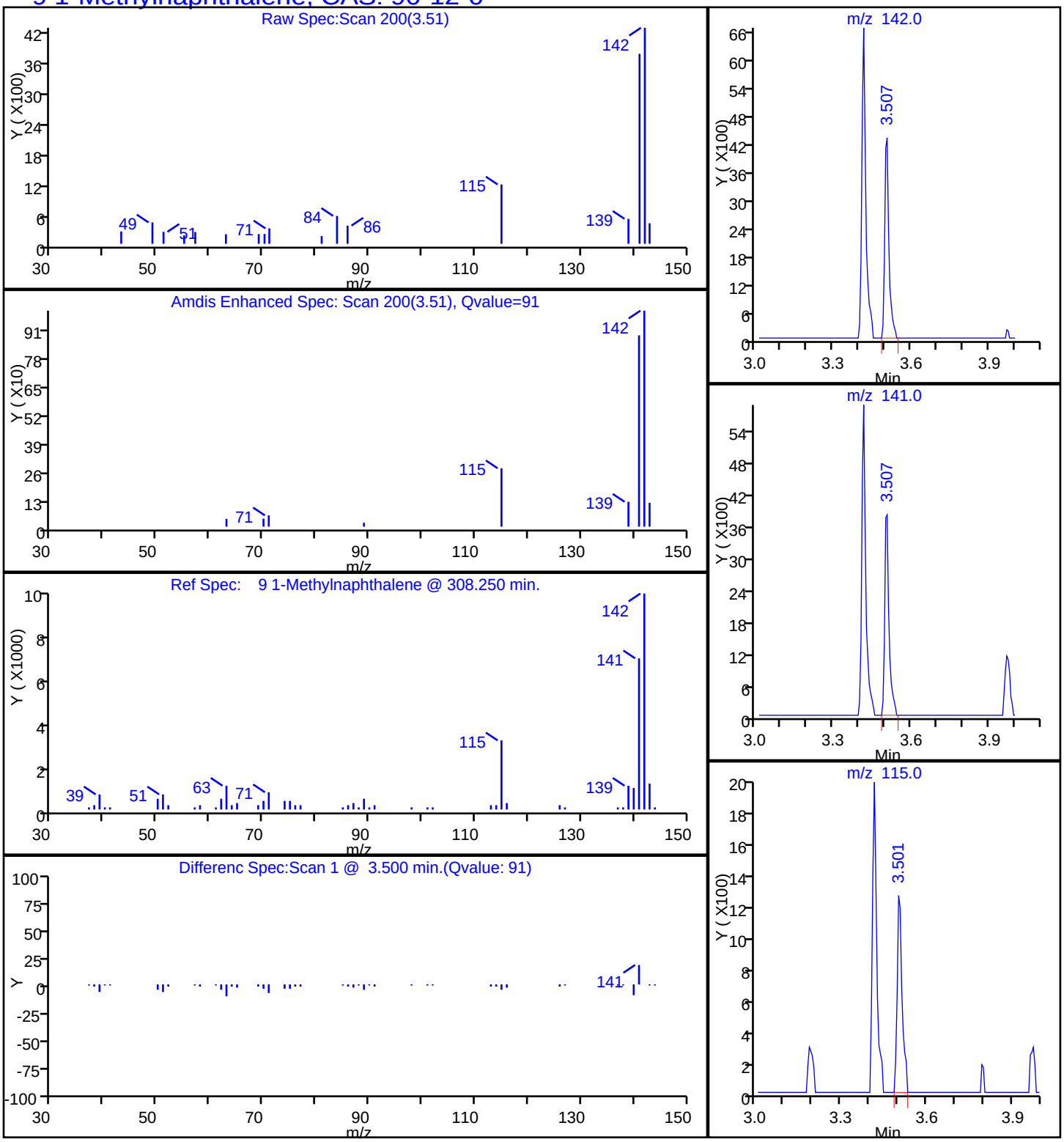
Lims ID:	680-106200-A-58-A	Lab Sample ID:	680-106200-58		
Client ID:	CV0613A-CS6				
Operator ID:	RM	ALS Bottle#:	26	Worklist Smp#:	26
Injection Vol:	2.0 ul	Dil. Factor:	10.0000		
Method:	8270D_LLPAH_MSY	Limit Group:	8270D_LL_PAH		
Column:	Restek RXi-5Sil MS (0.25 mm)	Detector	MS SCAN		

9 1-Methylnaphthalene, CAS: 90-12-0



Report Date: 20-Oct-2014 09:22:18 Chrom Revision: 2.2 18-Aug-2014 12:17:36

TestAmerica Savannah

Data File:	\\SAVCHROM\ChromData\CMSY\20141017-13845.b\1YJ1726.D				
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Lims ID:	680-106200-A-58-A	Lab Sample ID:	680-106200-58		
Client ID:	CV0613A-CS6				
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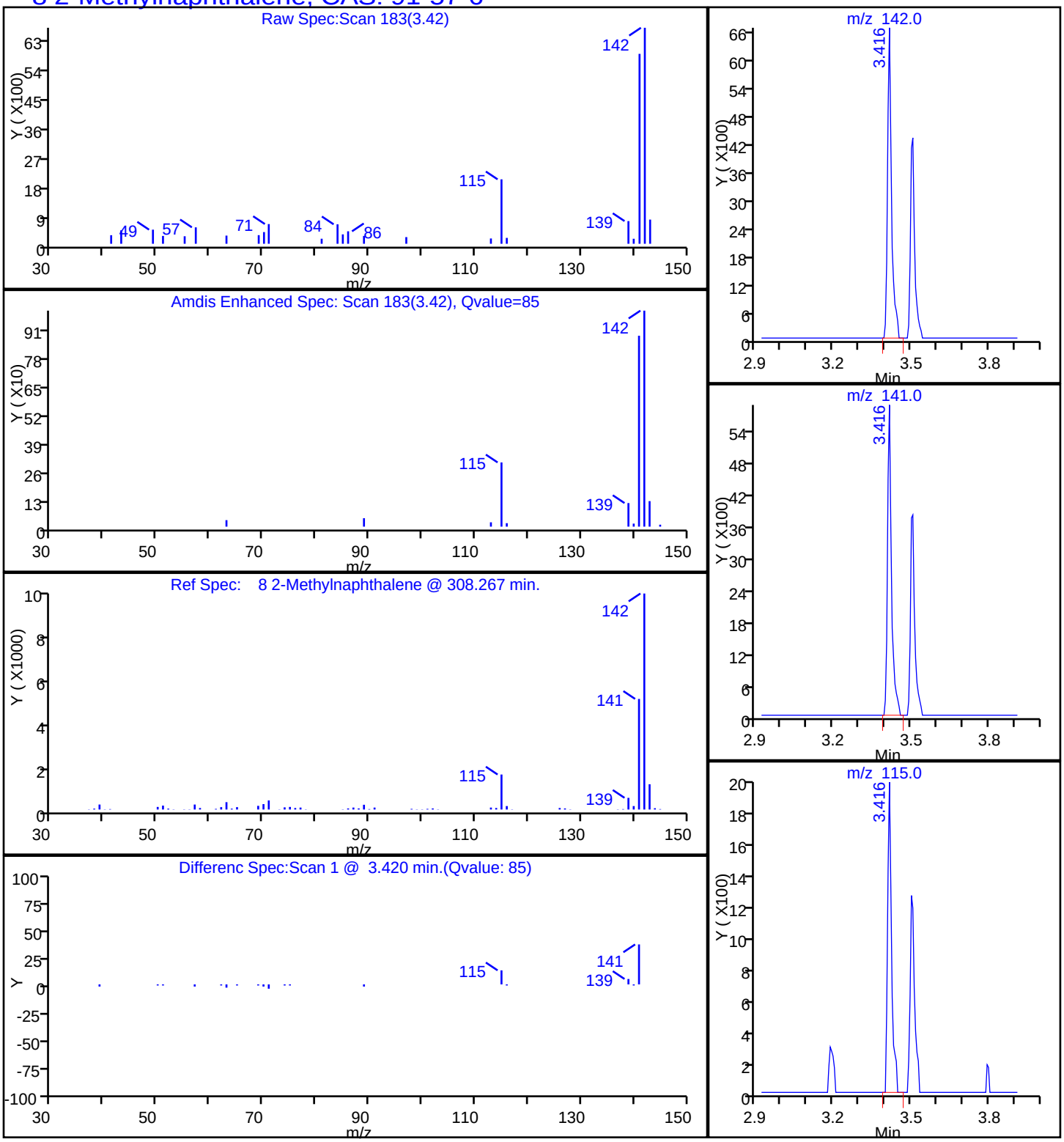
Method:	8270D_LLPAH_MSY	Limit Group:	8270D_LL_PAH		
Column:	Restek RXi-5Sil MS (0.25 mm)	Detector	MS SCAN		

8 2-Methylnaphthalene, CAS: 91-57-6



Report Date: 20-Oct-2014 09:22:18 Chrom Revision: 2.2 18-Aug-2014 12:17:36

TestAmerica Savannah

Data File:	\\SAVCHROM\ChromData\CMSY\20141017-13845.b\1YJ1726.D				
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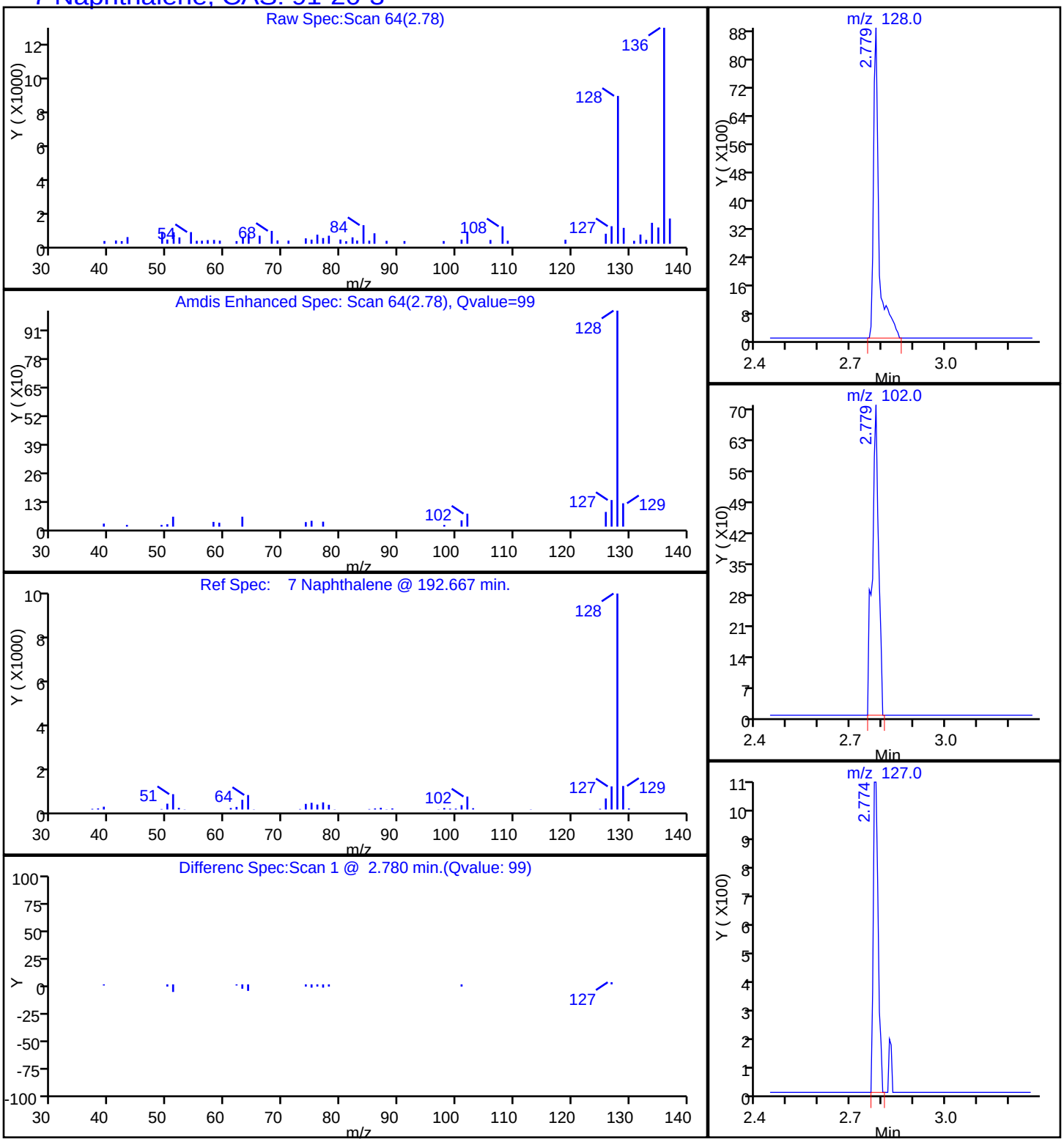
Lims ID:	680-106200-A-58-A	Lab Sample ID:	680-106200-58		
Client ID:	CV0613A-CS6				
Operator ID:	RM	ALS Bottle#:	26	Worklist Smp#:	26
Injection Vol:	2.0 ul	Dil. Factor:	10.0000		
Method:	8270D_LLPAH_MSY	Limit Group:	8270D_LL_PAH		
Column:	Restek RXi-5Sil MS (0.25 mm)	Detector	MS SCAN		

7 Naphthalene, CAS: 91-20-3

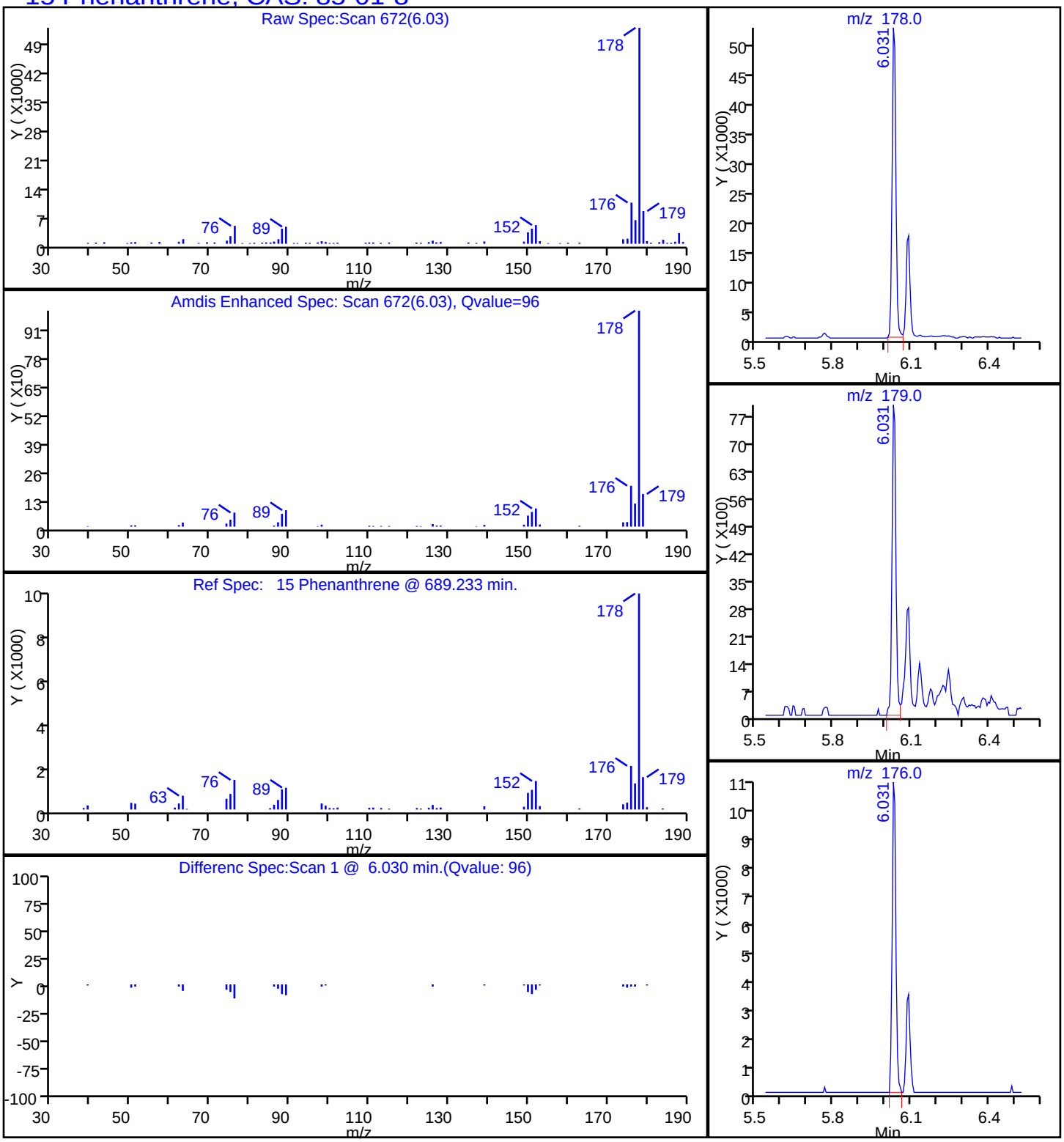


Report Date: 20-Oct-2014 09:22:18 Chrom Revision: 2.2 18-Aug-2014 12:17:36

TestAmerica Savannah

Data File:	\\SAVCHROM\ChromData\CMSY\20141017-13845.b\1YJ1726.D				
Injection Date:	17-Oct-2014 18:52:30	Instrument ID:	CMSY		
Lims ID:	680-106200-A-58-A	Lab Sample ID:	680-106200-58		
Client ID:	CV0613A-CS6				
Operator ID:	RM	ALS Bottle#:	26	Worklist Smp#:	26
Injection Vol:	2.0 ul	Dil. Factor:	10.0000		
Method:	8270D_LLPAH_MSY	Limit Group:	8270D_LL_PAH		
Column:	Restek RXi-5Sil MS (0.25 mm)	Detector	MS SCAN		

15 Phenanthrene, CAS: 85-01-8

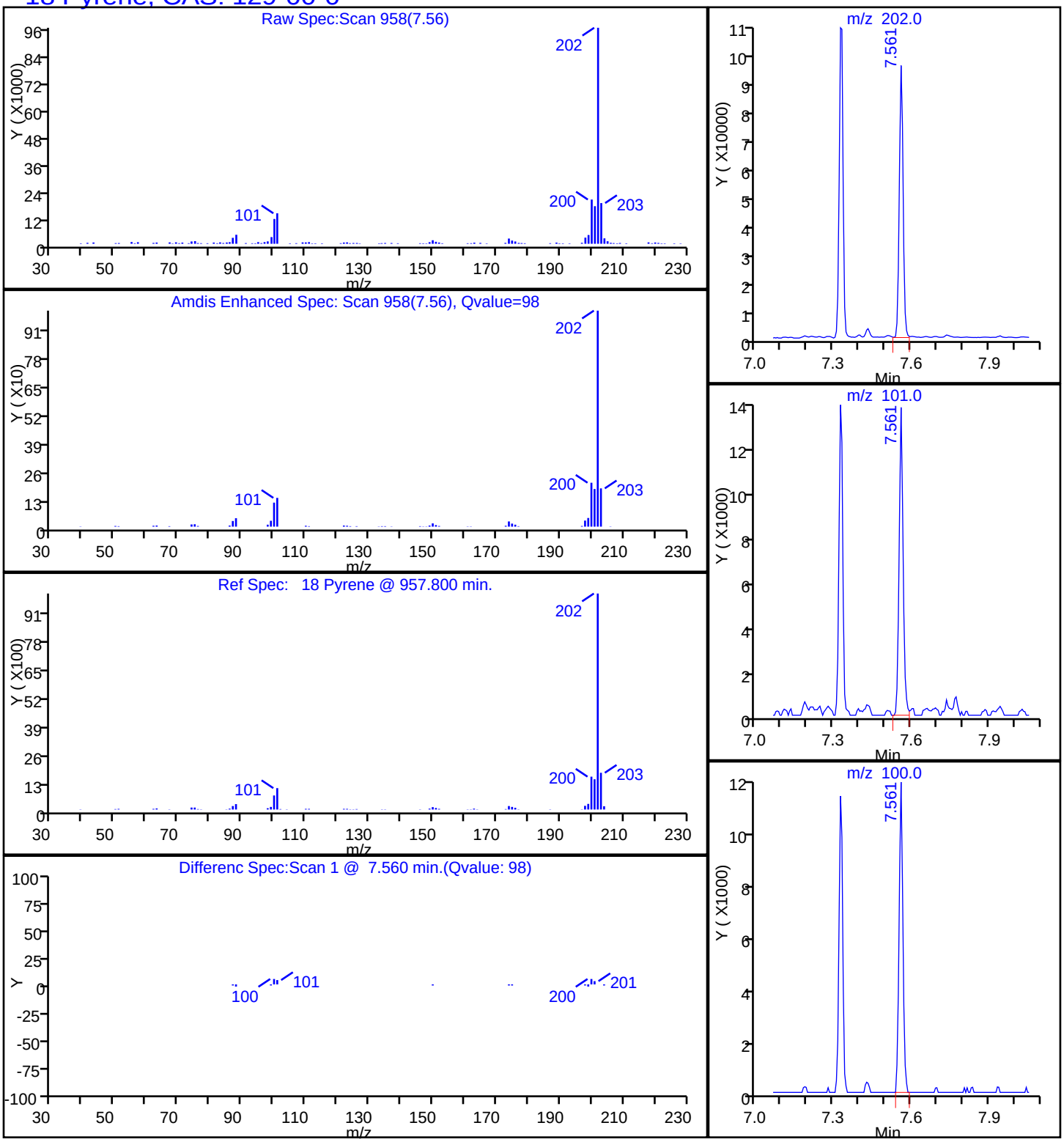


Report Date: 20-Oct-2014 09:22:18 Chrom Revision: 2.2 18-Aug-2014 12:17:36

TestAmerica Savannah

Data File:	\\SAVCHROM\ChromData\CMSY\20141017-13845.b\1YJ1726.D				
Injection Date:	17-Oct-2014 18:52:30	Instrument ID:	CMSY		
Lims ID:	680-106200-A-58-A	Lab Sample ID:	680-106200-58		
Client ID:	CV0613A-CS6				
Operator ID:	RM	ALS Bottle#:	26	Worklist Smp#:	26
Injection Vol:	2.0 ul	Dil. Factor:	10.0000		
Method:	8270D_LLPAH_MSY	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

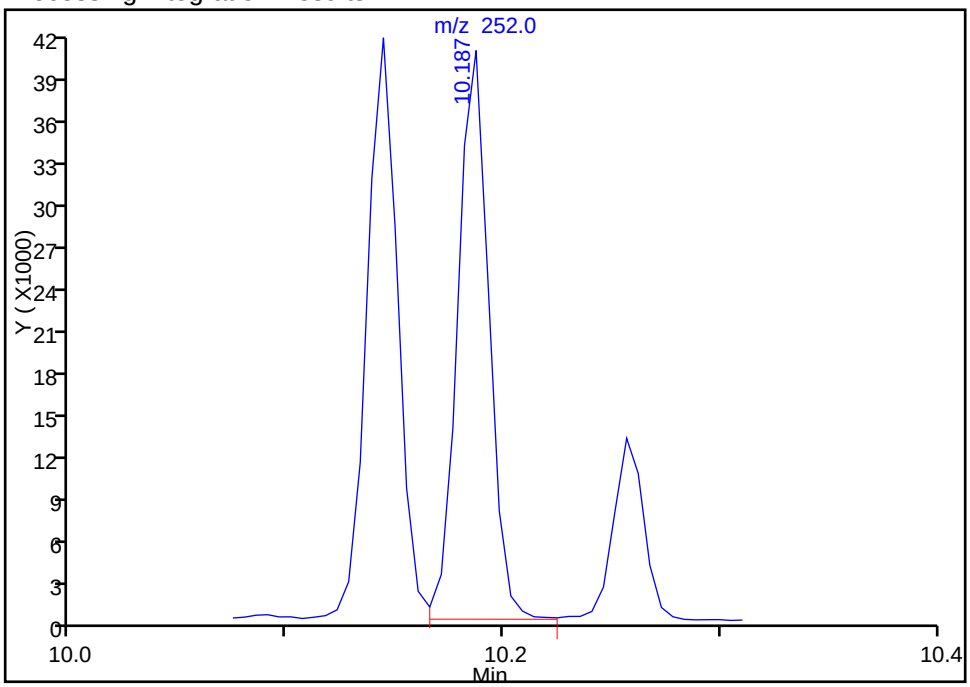
TestAmerica Savannah

Data File:	\\SAVCHROM\ChromData\CMSY\20141017-13845.b\1YJ1726.D				
Injection Date:	17-Oct-2014 18:52:30	Instrument ID:	CMSY		
Lims ID:	680-106200-A-58-A	Lab Sample ID:	680-106200-58		
Client ID:	CV0613A-CS6				
Operator ID:	RM	ALS Bottle#:	26	Worklist Smp#:	26
Injection Vol:	2.0 ul	Dil. Factor:	10.0000		
Method:	8270D_LLPAH_MSY	Limit Group:	8270D_LL_PAH		
Column:	Restek RXi-5Sil MS (0.25 mm)	Detector	MS SCAN		

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

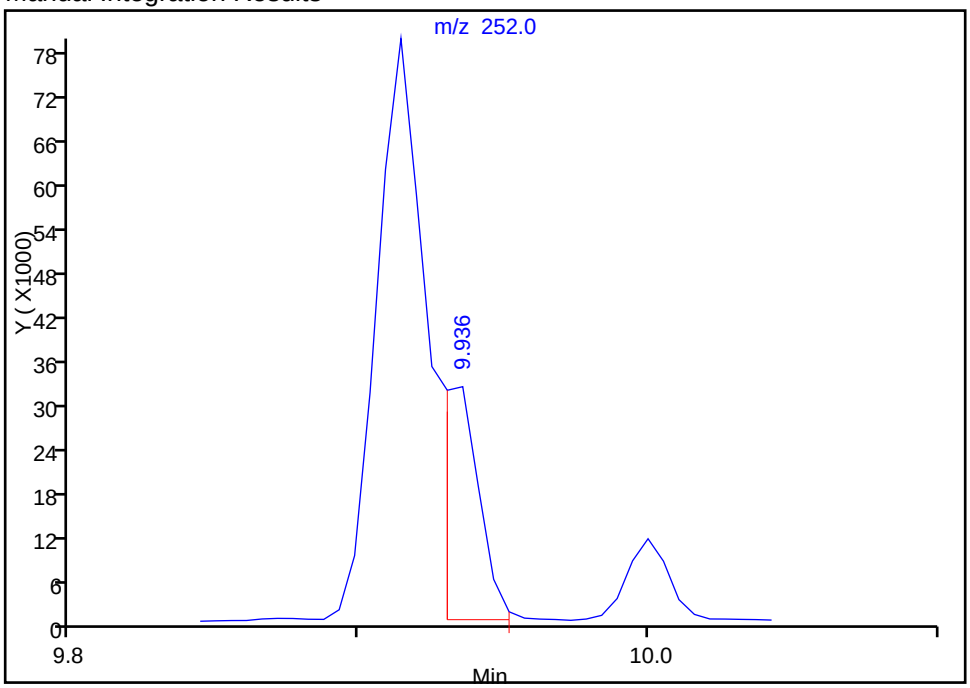
Processing Integration Results

RT: 10.19
Response: 40868
Amount: 1.034787



Manual Integration Results

RT: 9.94
Response: 27997
Amount: 0.707904



Reviewer: webbk, 20-Oct-2014 09:11:57
Audit Action: Manually Integrated
Audit Reason: Split Peak

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Savannah | Job No.: 680-106200-4

SDG No.: 680-106200-04

Client Sample ID: CV0613A-CS12 | Lab Sample ID: 680-106200-59

Matrix: Solid | Lab File ID: 1YJ1727.D

Analysis Method: 8270D_LL_PAH | Date Collected: 10/07/2014 13:10

Extract. Method: 3546 | Date Extracted: 10/15/2014 14:21

Sample wt/vol: 30.04(g) | Date Analyzed: 10/17/2014 19:14

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

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

% Moisture: 7.7 | GPC Cleanup:(Y/N) N

Analysis Batch No.: 354069 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
83-32-9	Acenaphthene	22		7.2	3.6
208-96-8	Acenaphthylene	7.2	U	7.2	3.6
120-12-7	Anthracene	44		7.2	3.6
56-55-3	Benzo[a]anthracene	120		7.2	3.6
50-32-8	Benzo[a]pyrene	110		7.2	1.3
205-99-2	Benzo[b]fluoranthene	150		7.2	3.6
191-24-2	Benzo[g,h,i]perylene	79		7.2	3.6
207-08-9	Benzo[k]fluoranthene	67		7.2	2.2
218-01-9	Chrysene	130		7.2	3.6
53-70-3	Dibenz(a,h)anthracene	34		7.2	3.6
206-44-0	Fluoranthene	230		7.2	3.6
86-73-7	Fluorene	21		7.2	3.6
193-39-5	Indeno[1,2,3-cd]pyrene	57		7.2	3.6
90-12-0	1-Methylnaphthalene	20		7.2	3.4
91-57-6	2-Methylnaphthalene	21		7.2	3.6
91-20-3	Naphthalene	27		7.2	3.6
85-01-8	Phenanthrene	190		7.2	2.6
129-00-0	Pyrene	220		7.2	3.6

CAS NO.	SURROGATE	%REC	Q	LIMITS
84-15-1	o-Terphenyl	92		36-131

TestAmerica Savannah
Target Compound Quantitation Report

Data File: \\SAVCHROM\ChromData\CMSY\20141017-13845.b\1YJ1727.D
Lims ID: 680-106200-A-59-B Lab Sample ID: 680-106200-59
Client ID: CV0613A-CS12
Sample Type: Client
Inject. Date: 17-Oct-2014 19:14:30 ALS Bottle#: 27 Worklist Smp#: 27
Injection Vol: 2.0 ul Dil. Factor: 1.0000
Sample Info: 106200-A-59-A
Misc. Info.: 680-0013845-027
Operator ID: RM Instrument ID: CMSY

Method: \\SAVCHROM\ChromData\CMSY\20141017-13845.b\8270D_LLPAH_MSY.m
Limit Group: 8270D_LL_PAH
Last Update: 20-Oct-2014 09:21:49 Calib Date: 07-Oct-2014 15:41:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\SAVCHROM\ChromData\CMSY\20141007-13559.b\3YJ0707.D

Column 1 : Restek RXi-5Sil MS (0.25 mm) Det: MS SCAN
Process Host: XAWRK024

First Level Reviewer: webbk Date: 20-Oct-2014 09:13:58

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/ml	Flags
* 1 Naphthalene-d8	136	2.758	2.753	0.005	98	137209	2.00	
* 2 Acenaphthene-d10	164	4.443	4.437	0.006	92	77649	2.00	
* 3 Phenanthrene-d10	188	6.010	6.005	0.006	98	135438	2.00	
* 4 Chrysene-d12	240	8.887	8.877	0.010	99	107399	2.00	
* 5 Perylene-d12	264	10.240	10.225	0.015	99	79438	2.00	
$ 6 o-Terphenyl	230	6.491	6.491	0.000	91	63094	1.83	
7 Naphthalene	128	2.774	2.774	0.000	99	55106	0.7363	
8 2-Methylnaphthalene	142	3.410	3.410	0.000	87	28762	0.5796	
9 1-Methylnaphthalene	142	3.501	3.501	0.000	91	25242	0.5485	
12 Acenaphthene	153	4.475	4.469	0.006	94	29849	0.6175	
14 Fluorene	166	5.015	5.015	0.000	96	31190	0.5844	
15 Phenanthrene	178	6.036	6.031	0.005	97	422748	5.22	
16 Anthracene	178	6.090	6.085	0.005	99	97421	1.21	
17 Fluoranthene	202	7.336	7.320	0.016	98	539825	6.28	
18 Pyrene	202	7.566	7.556	0.010	97	431745	6.18	
19 Benzo[a]anthracene	228	8.882	8.866	0.016	98	208621	3.32	
20 Chrysene	228	8.914	8.903	0.011	99	206916	3.52	
21 Benzo[b]fluoranthene	252	9.920	9.904	0.016	98	219357	4.20	
22 Benzo[k]fluoranthene	252	9.936	9.930	0.006	99	93340	1.85	M
23 Benzo[a]pyrene	252	10.192	10.176	0.016	98	130264	3.03	
24 Indeno[1,2,3-cd]pyrene	276	11.080	11.070	0.010	99	92496	1.57	
25 Dibenz(a,h)anthracene	278	11.102	11.091	0.011	98	35523	0.9449	
26 Benzo[g,h,i]perylene	276	11.294	11.273	0.021	98	85583	2.18	

QC Flag Legend

Review Flags
M - Manually Integrated

Reagents:

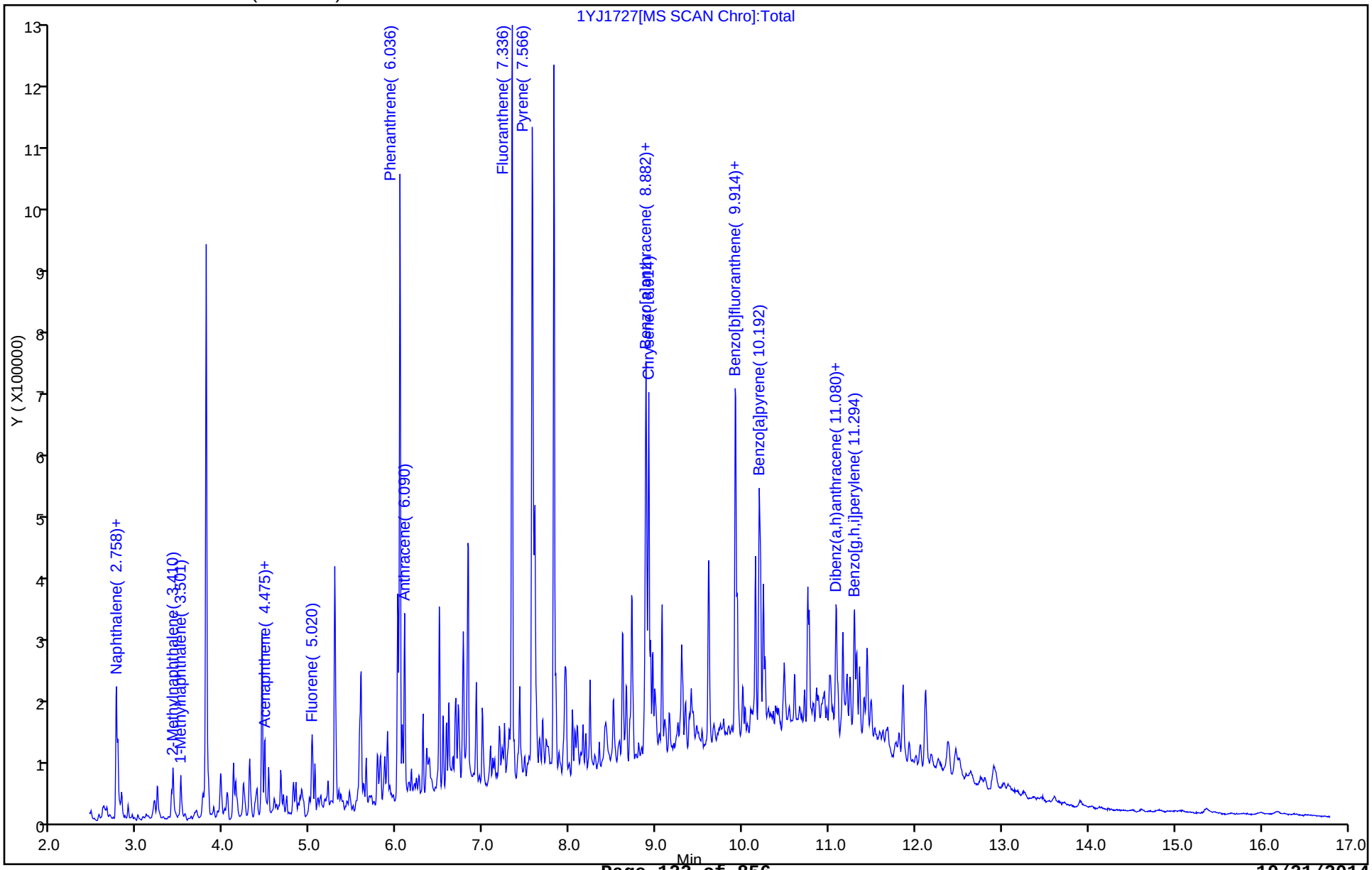
SM-LLISTD_00106 Amount Added: 10.00 Units: uL Run Reagent

Report Date: 20-Oct-2014 09:22:19 Chrom Revision: 2.2 18-Aug-2014 12:17:36

TestAmerica Savannah

Data File:	\\SAVCHROM\ChromData\CMSY\20141017-13845.b\1YJ1727.D				
Injection Date:	17-Oct-2014 19:14:30	Instrument ID:	CMSY	Operator ID:	RM
Lims ID:	680-106200-A-59-B	Lab Sample ID:	680-106200-59	Worklist Smp#:	27
Client ID:	CV0613A-CS12				
Injection Vol:	2.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	27
Method:	8270D_LLPAH_MSY	Limit Group:	8270D_LL_PAH		

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

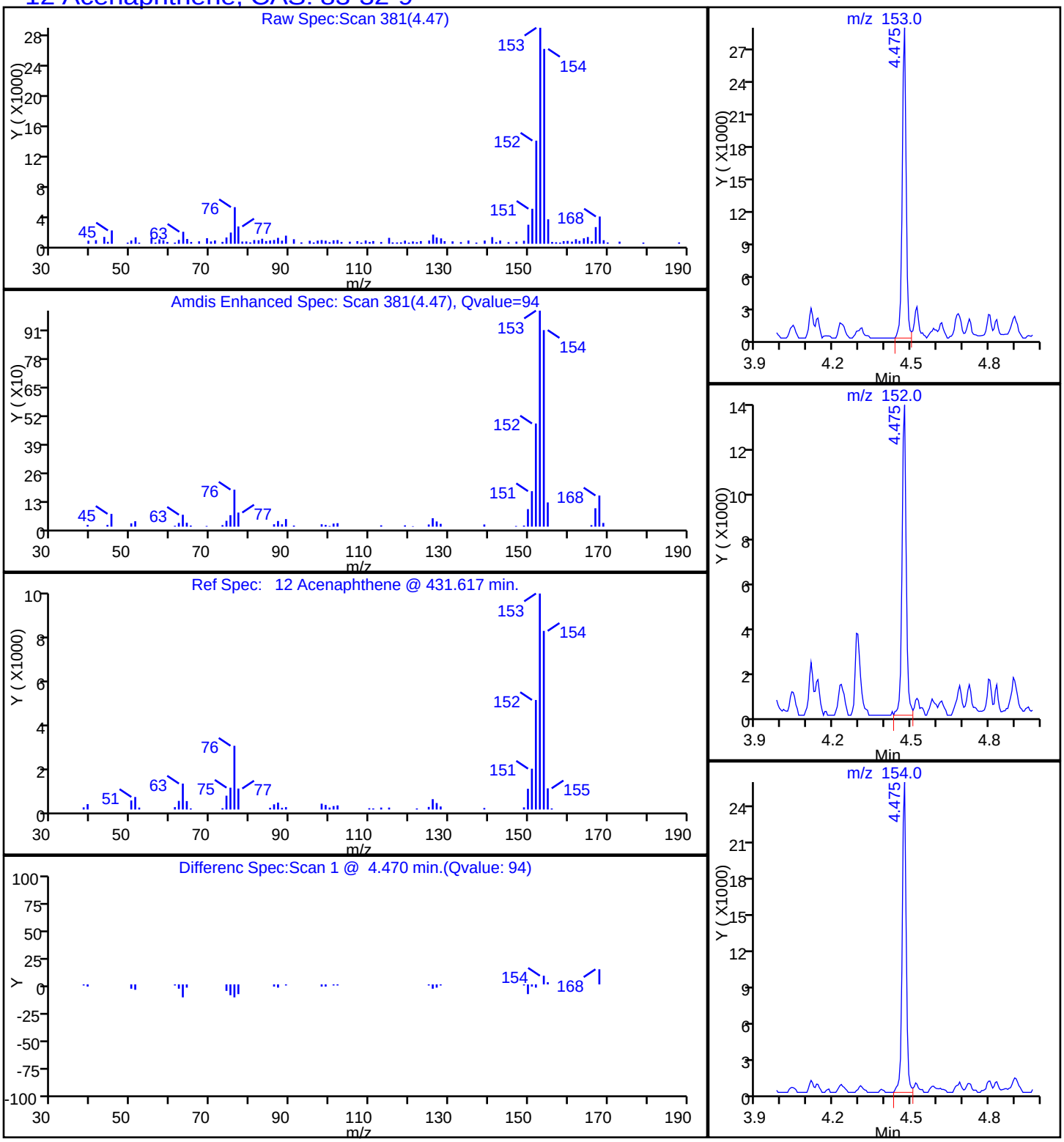


Report Date: 20-Oct-2014 09:22:19 Chrom Revision: 2.2 18-Aug-2014 12:17:36

TestAmerica Savannah

Data File:	\\SAVCHROM\ChromData\CMSY\20141017-13845.b\1YJ1727.D				
Injection Date:	17-Oct-2014 19:14:30	Instrument ID:	CMSY		
Lims ID:	680-106200-A-59-B	Lab Sample ID:	680-106200-59		
Client ID:	CV0613A-CS12				
Operator ID:	RM	ALS Bottle#:	27	Worklist Smp#:	27
Injection Vol:	2.0 ul	Dil. Factor:	1.0000		
Method:	8270D_LLPAH_MSY	Limit Group:	8270D_LL_PAH		
Column:	Restek RXi-5Sil MS (0.25 mm)	Detector	MS SCAN		

12 Acenaphthene, CAS: 83-32-9

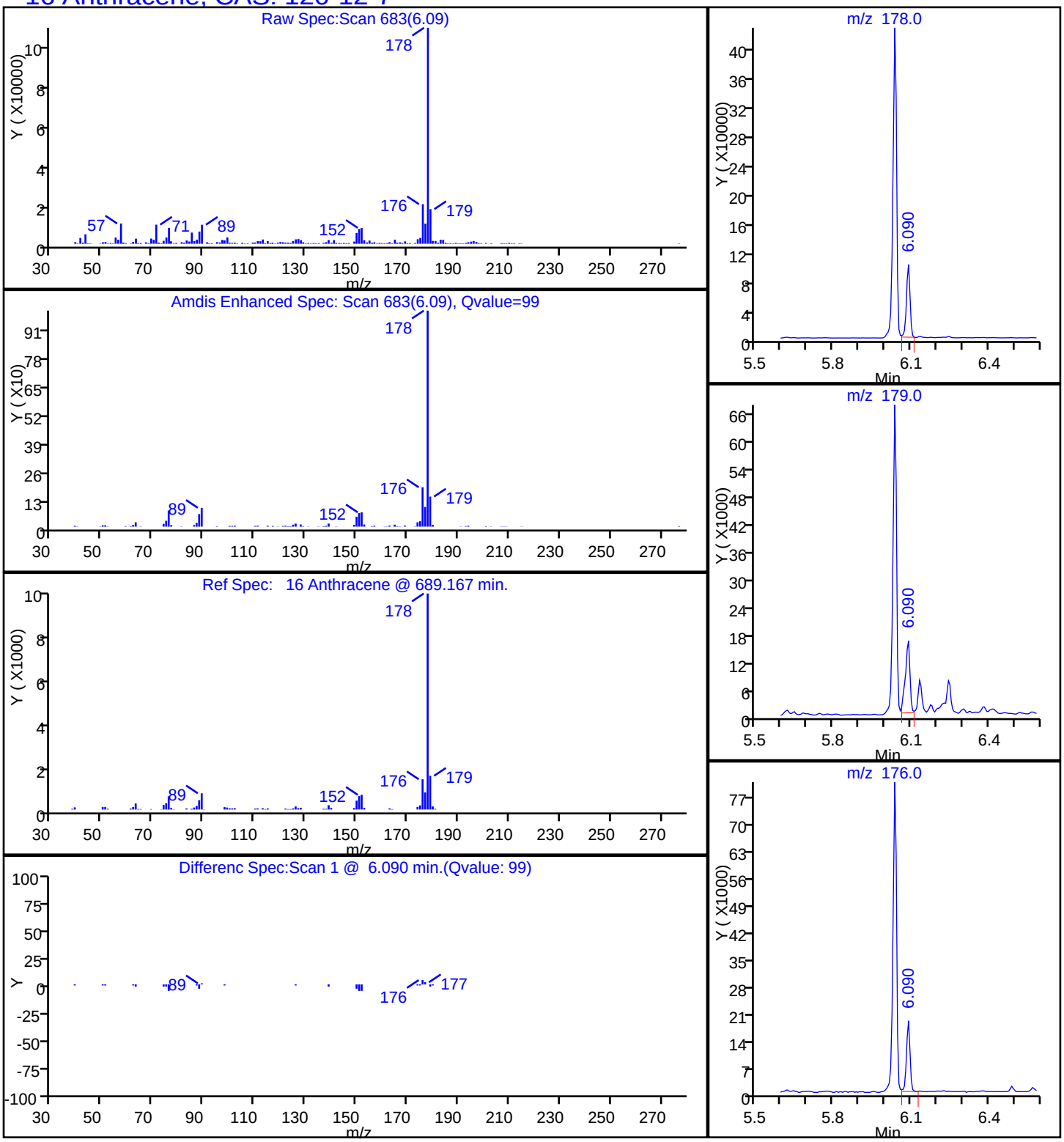


Report Date: 20-Oct-2014 09:22:19 Chrom Revision: 2.2 18-Aug-2014 12:17:36

TestAmerica Savannah

Data File:	\\SAVCHROM\ChromData\CMSY\20141017-13845.b\1YJ1727.D				
Injection Date:	17-Oct-2014 19:14:30	Instrument ID:	CMSY		
Lims ID:	680-106200-A-59-B	Lab Sample ID:	680-106200-59		
Client ID:	CV0613A-CS12				
Operator ID:	RM	ALS Bottle#:	27	Worklist Smp#:	27
Injection Vol:	2.0 ul	Dil. Factor:	1.0000		
Method:	8270D_LLPAH_MSY	Limit Group:	8270D_LL_PAH		
Column:	Restek RXi-5Sil MS (0.25 mm)	Detector	MS SCAN		

16 Anthracene, CAS: 120-12-7

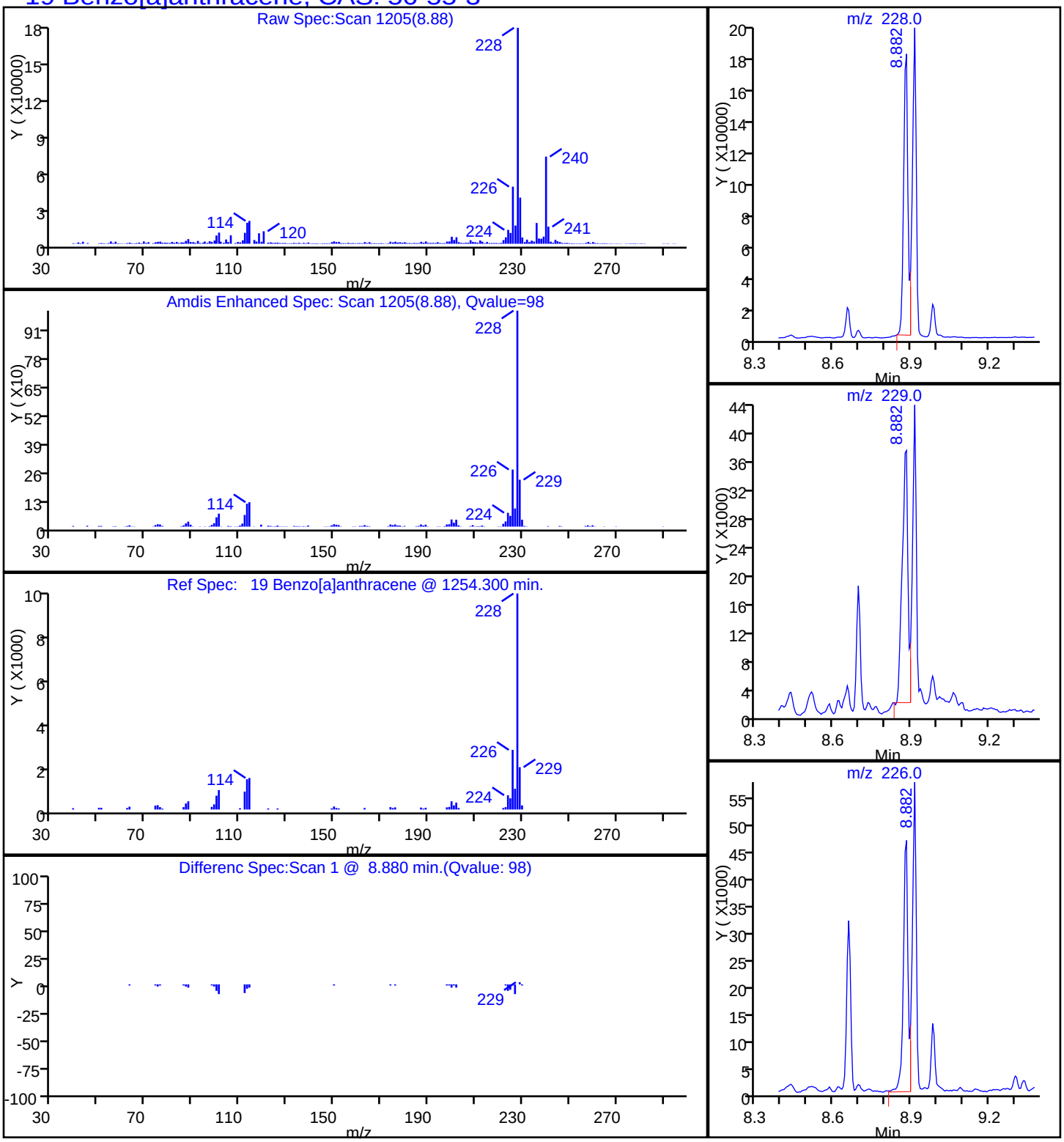


Report Date: 20-Oct-2014 09:22:19 Chrom Revision: 2.2 18-Aug-2014 12:17:36

TestAmerica Savannah

Data File:	\\SAVCHROM\ChromData\CMSY\20141017-13845.b\1YJ1727.D				
Injection Date:	17-Oct-2014 19:14:30	Instrument ID:	CMSY		
Lims ID:	680-106200-A-59-B	Lab Sample ID:	680-106200-59		
Client ID:	CV0613A-CS12				
Operator ID:	RM	ALS Bottle#:	27	Worklist Smp#:	27
Injection Vol:	2.0 ul	Dil. Factor:	1.0000		
Method:	8270D_LLPAH_MSY	Limit Group:	8270D_LL_PAH		
Column:	Restek RXi-5Sil MS (0.25 mm)	Detector	MS SCAN		

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

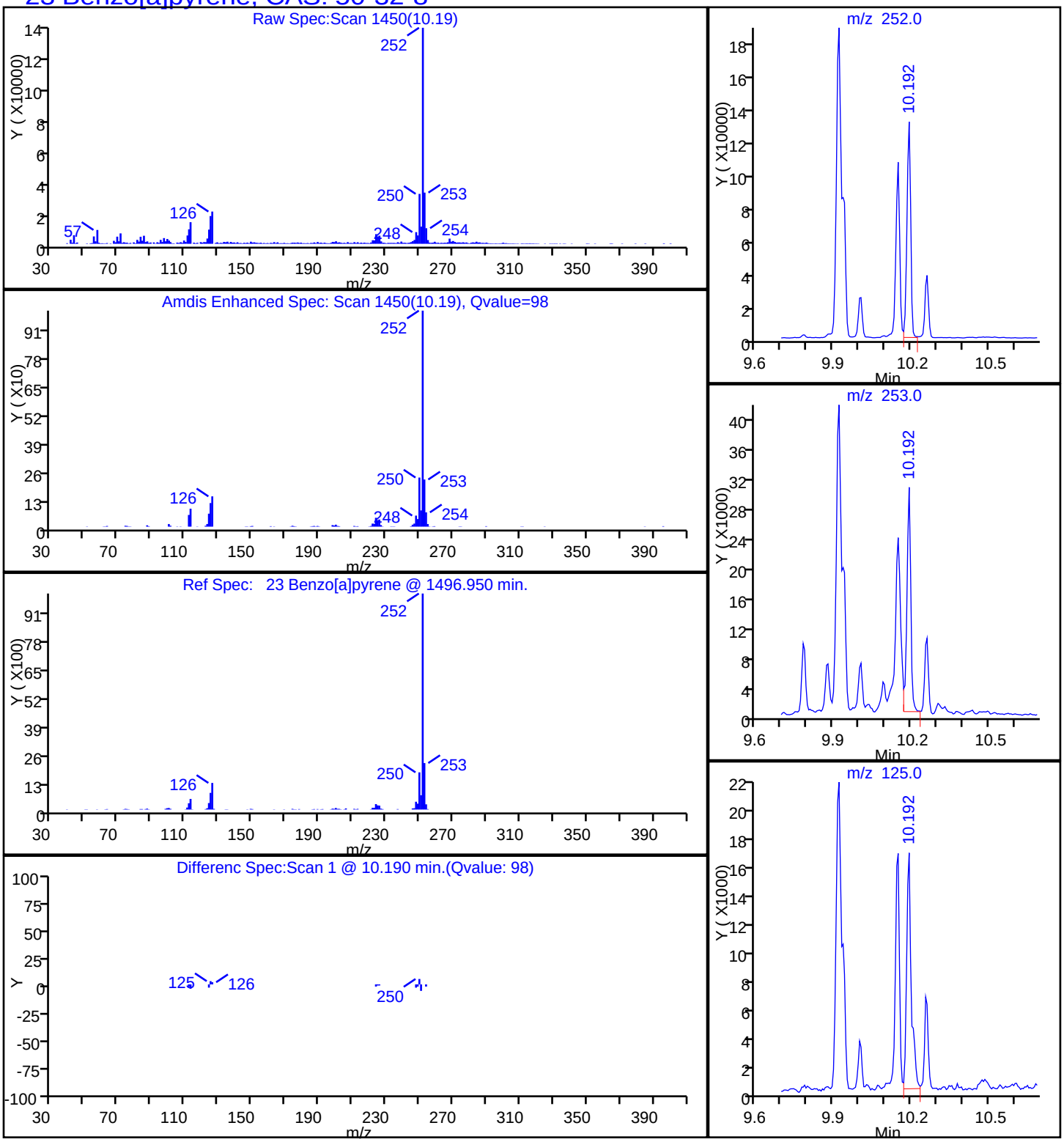


Report Date: 20-Oct-2014 09:22:19 Chrom Revision: 2.2 18-Aug-2014 12:17:36

TestAmerica Savannah

Data File:	\\SAVCHROM\ChromData\CMSY\20141017-13845.b\1YJ1727.D				
Injection Date:	17-Oct-2014 19:14:30	Instrument ID:	CMSY		
Lims ID:	680-106200-A-59-B	Lab Sample ID:	680-106200-59		
Client ID:	CV0613A-CS12				
Operator ID:	RM	ALS Bottle#:	27	Worklist Smp#:	27
Injection Vol:	2.0 ul	Dil. Factor:	1.0000		
Method:	8270D_LLPAH_MSY	Limit Group:	8270D_LL_PAH		
Column:	Restek RXi-5Sil MS (0.25 mm)	Detector	MS SCAN		

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



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TestAmerica Savannah

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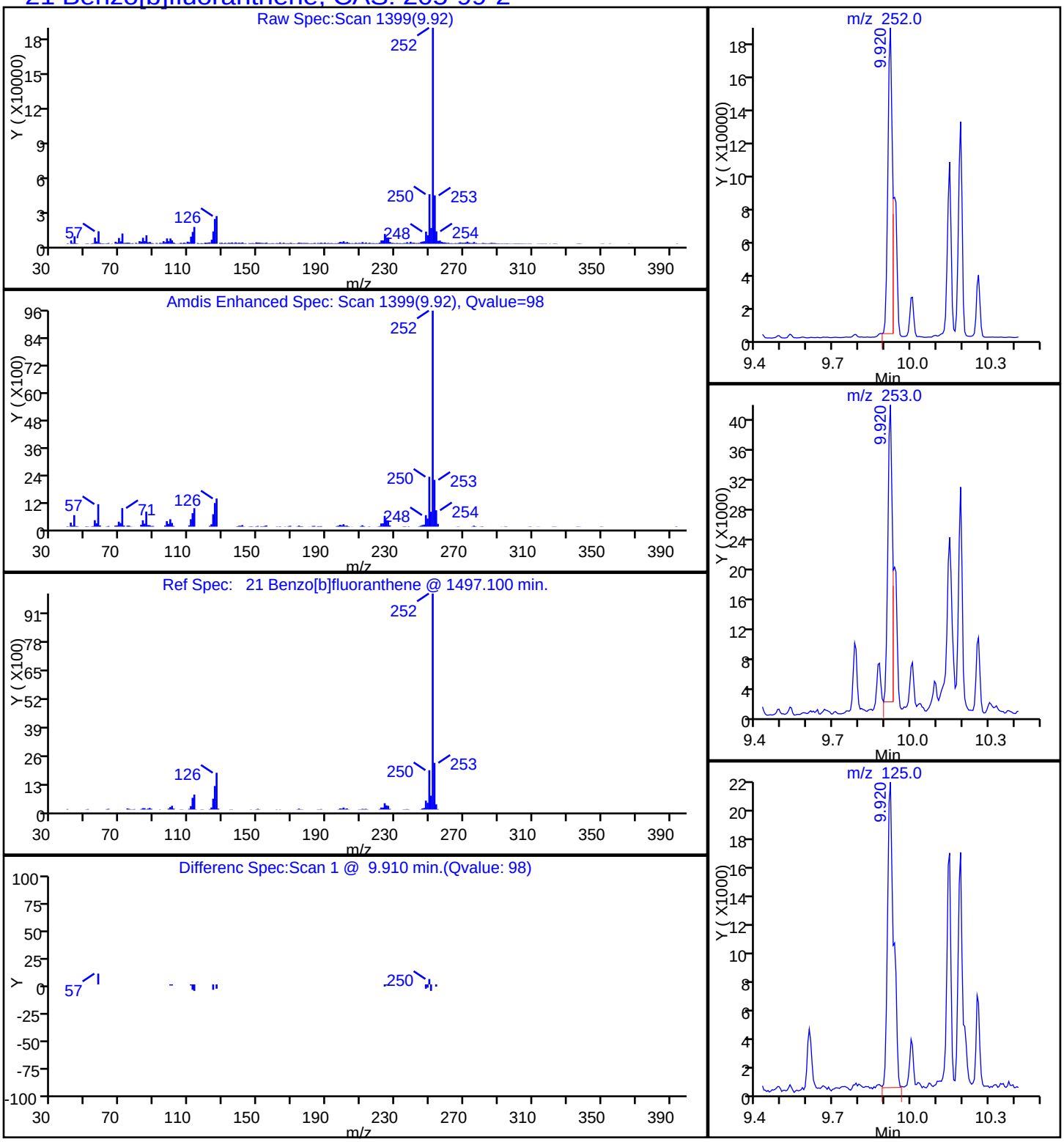
Injection Date:	17-Oct-2014 19:14:30	Instrument ID:	CMSY		
Lims ID:	680-106200-A-59-B	Lab Sample ID:	680-106200-59		
Client ID:	CV0613A-CS12				
Operator ID:	RM	ALS Bottle#:	27	Worklist Smp#:	27
Injection Vol:	2.0 ul	Dil. Factor:	1.0000		
Method:	8270D_LLPAH_MSY	Limit Group:	8270D_LL_PAH		
Column:	Restek RXi-5Sil MS (0.25 mm)	Detector	MS SCAN		

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

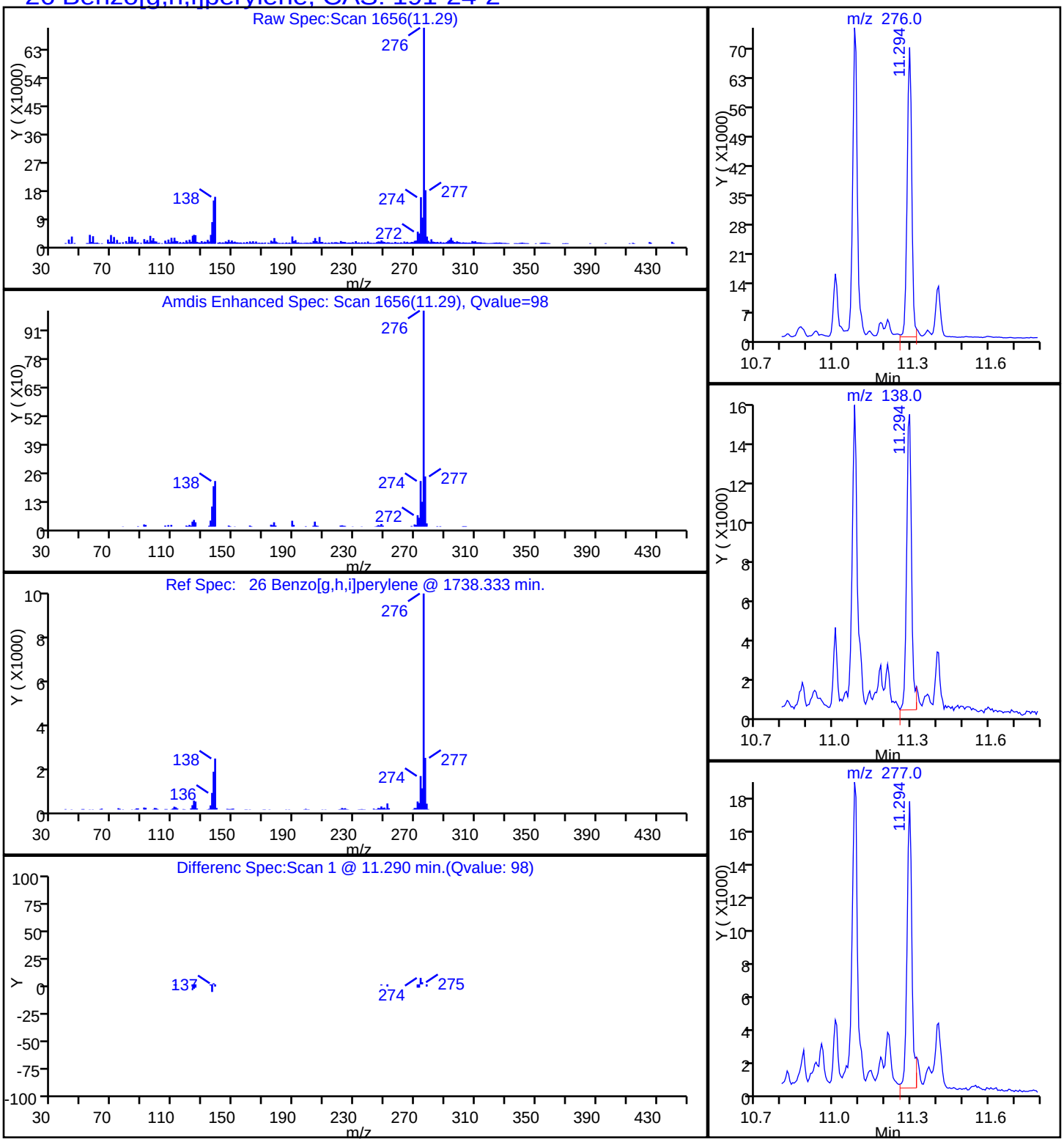


Report Date: 20-Oct-2014 09:22:20 Chrom Revision: 2.2 18-Aug-2014 12:17:36

TestAmerica Savannah

Data File:	\\SAVCHROM\ChromData\CMSY\20141017-13845.b\1YJ1727.D				
Injection Date:	17-Oct-2014 19:14:30	Instrument ID:	CMSY		
Lims ID:	680-106200-A-59-B	Lab Sample ID:	680-106200-59		
Client ID:	CV0613A-CS12				
Operator ID:	RM	ALS Bottle#:	27	Worklist Smp#:	27
Injection Vol:	2.0 ul	Dil. Factor:	1.0000		
Method:	8270D_LLPAH_MSY	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



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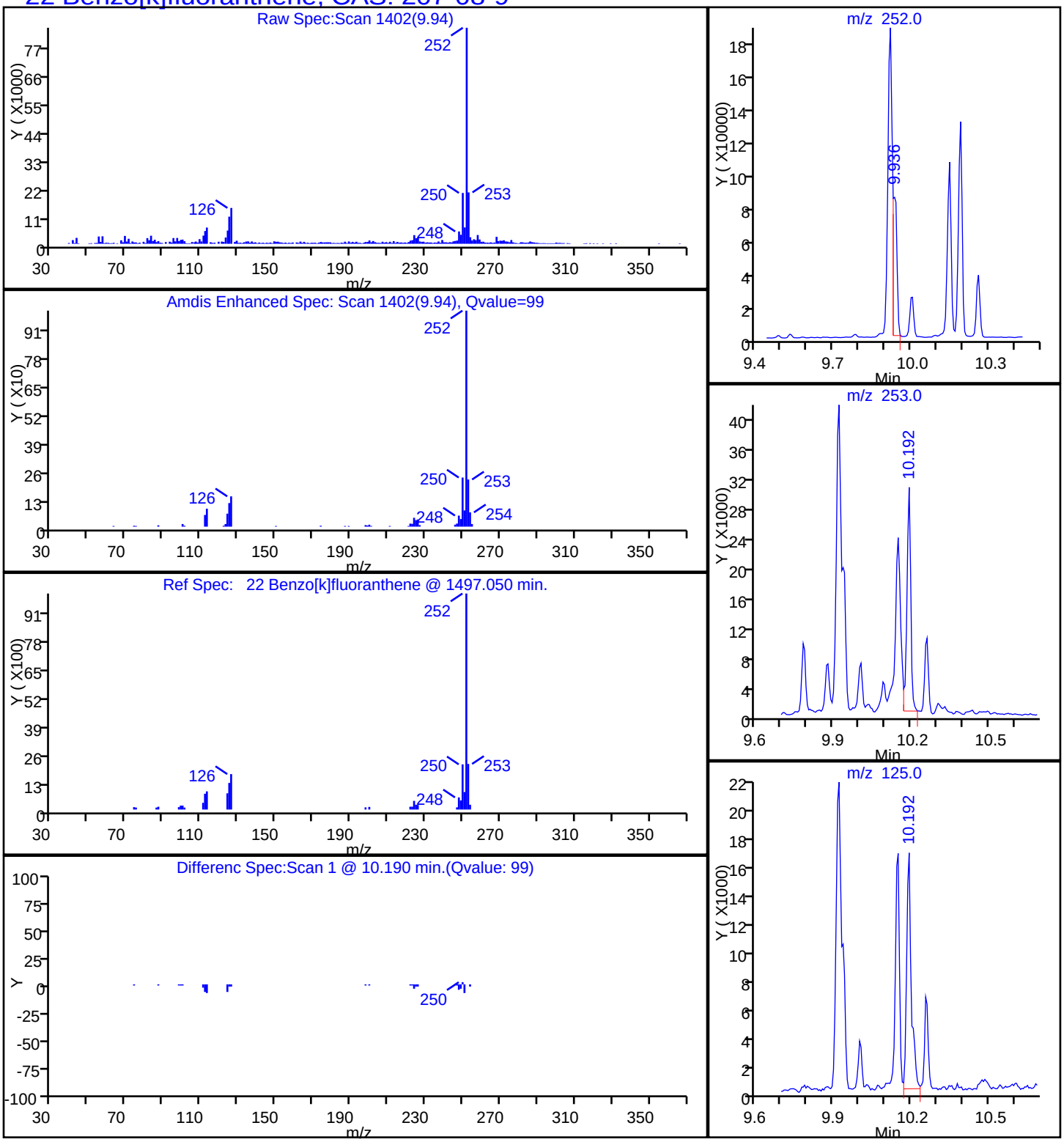
TestAmerica Savannah

Data File:	\\SAVCHROM\ChromData\CMSY\20141017-13845.b\1YJ1727.D				
Injection Date:	17-Oct-2014 19:14:30	Instrument ID:	CMSY		
Lims ID:	680-106200-A-59-B	Lab Sample ID:	680-106200-59		
Client ID:	CV0613A-CS12				
Operator ID:	RM	ALS Bottle#:	27	Worklist Smp#:	27
Injection Vol:	2.0 ul	Dil. Factor:	1.0000		
Method:	8270D_LLPAH_MSY	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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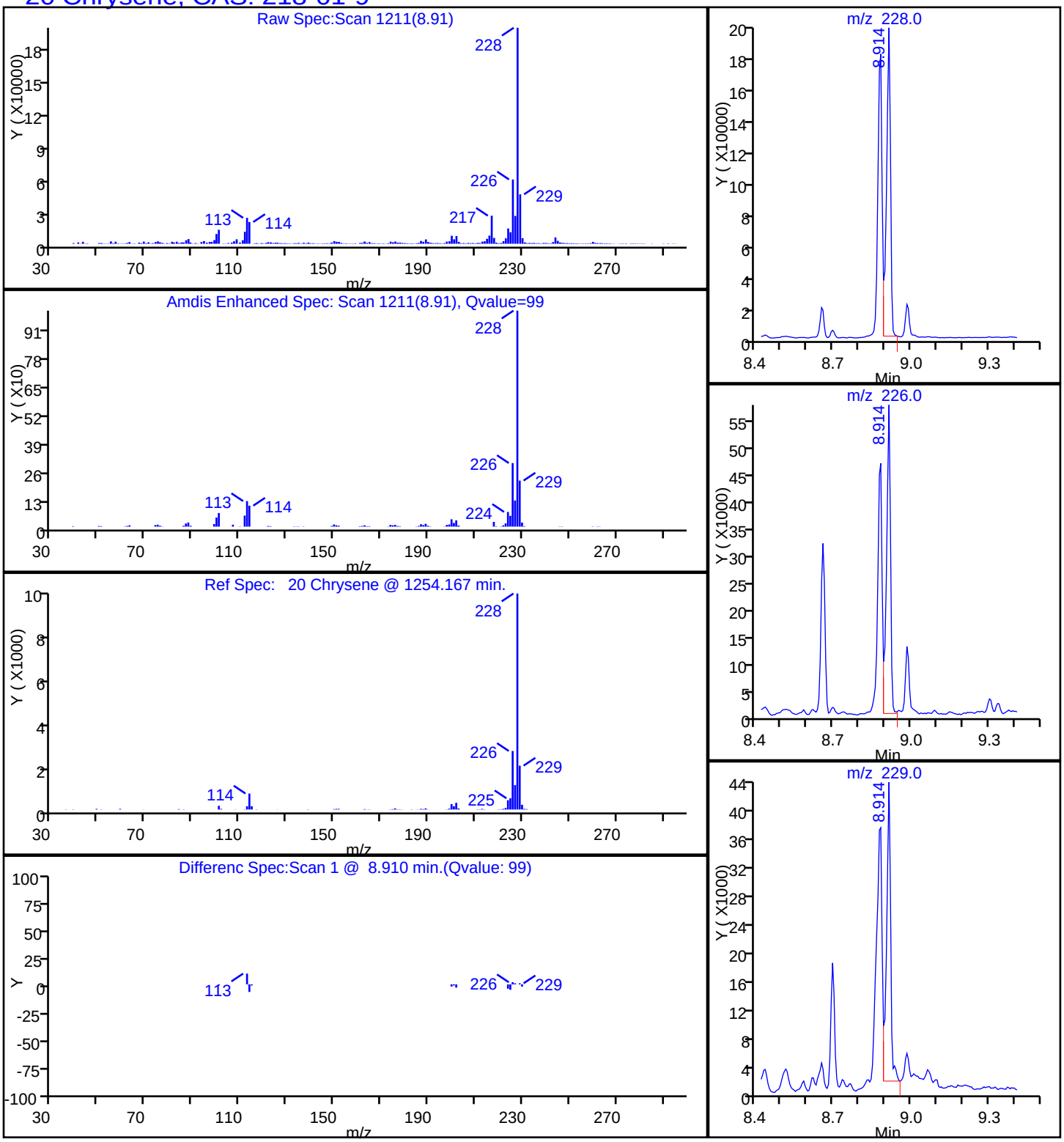
TestAmerica Savannah

Data File:	\\SAVCHROM\ChromData\CMSY\20141017-13845.b\1YJ1727.D				
Injection Date:	17-Oct-2014 19:14:30	Instrument ID:	CMSY		
Lims ID:	680-106200-A-59-B	Lab Sample ID:	680-106200-59		
Client ID:	CV0613A-CS12				
Operator ID:	RM	ALS Bottle#:	27	Worklist Smp#:	27
Injection Vol:	2.0 ul	Dil. Factor:	1.0000		
Method:	8270D_LLPAH_MSY	Limit Group:	8270D_LL_PAH		
Column:	Restek RXi-5Sil MS (0.25 mm)	Detector	MS SCAN		

20 Chrysene, CAS: 218-01-9

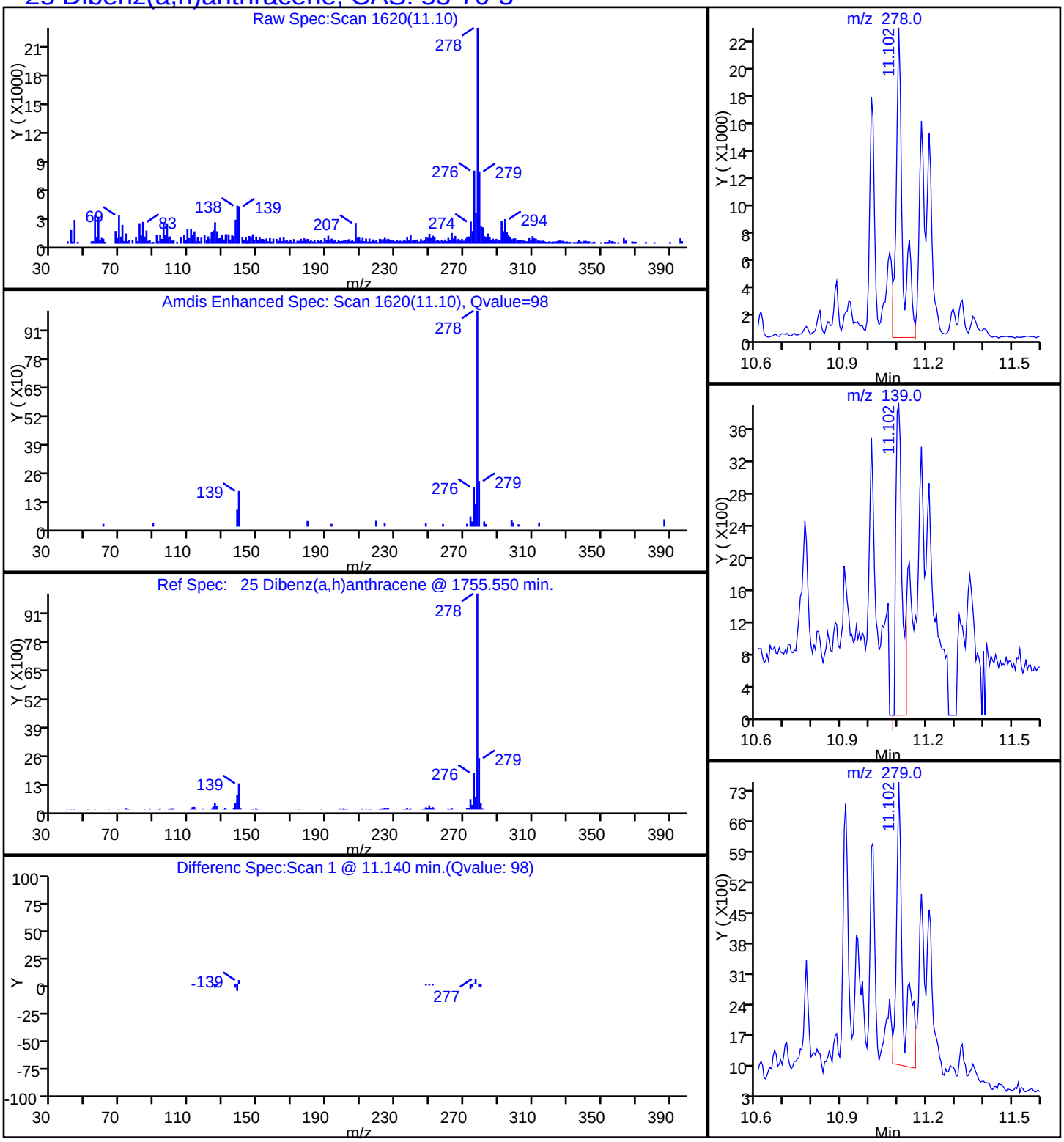


Report Date: 20-Oct-2014 09:22:20 Chrom Revision: 2.2 18-Aug-2014 12:17:36

TestAmerica Savannah

Data File:	\\SAVCHROM\ChromData\CMSY\20141017-13845.b\1YJ1727.D				
Injection Date:	17-Oct-2014 19:14:30	Instrument ID:	CMSY		
Lims ID:	680-106200-A-59-B	Lab Sample ID:	680-106200-59		
Client ID:	CV0613A-CS12				
Operator ID:	RM	ALS Bottle#:	27	Worklist Smp#:	27
Injection Vol:	2.0 ul	Dil. Factor:	1.0000		
Method:	8270D_LLPAH_MSY	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

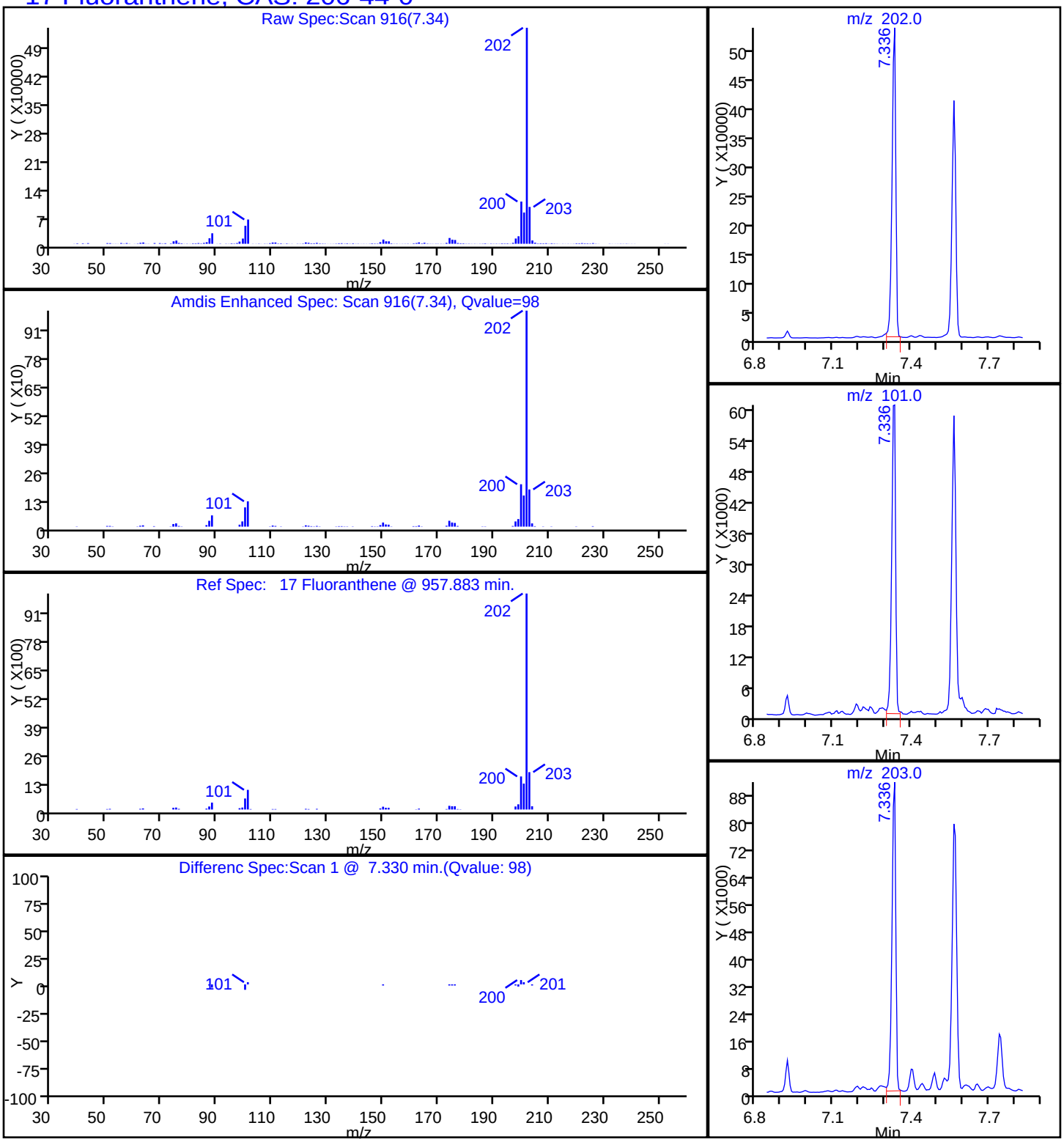


Report Date: 20-Oct-2014 09:22:19 Chrom Revision: 2.2 18-Aug-2014 12:17:36

TestAmerica Savannah

Data File:	\\SAVCHROM\ChromData\CMSY\20141017-13845.b\1YJ1727.D				
Injection Date:	17-Oct-2014 19:14:30	Instrument ID:	CMSY		
Lims ID:	680-106200-A-59-B	Lab Sample ID:	680-106200-59		
Client ID:	CV0613A-CS12				
Operator ID:	RM	ALS Bottle#:	27	Worklist Smp#:	27
Injection Vol:	2.0 ul	Dil. Factor:	1.0000		
Method:	8270D_LLPAH_MSY	Limit Group:	8270D_LL_PAH		
Column:	Restek RXi-5Sil MS (0.25 mm)	Detector	MS SCAN		

17 Fluoranthene, CAS: 206-44-0

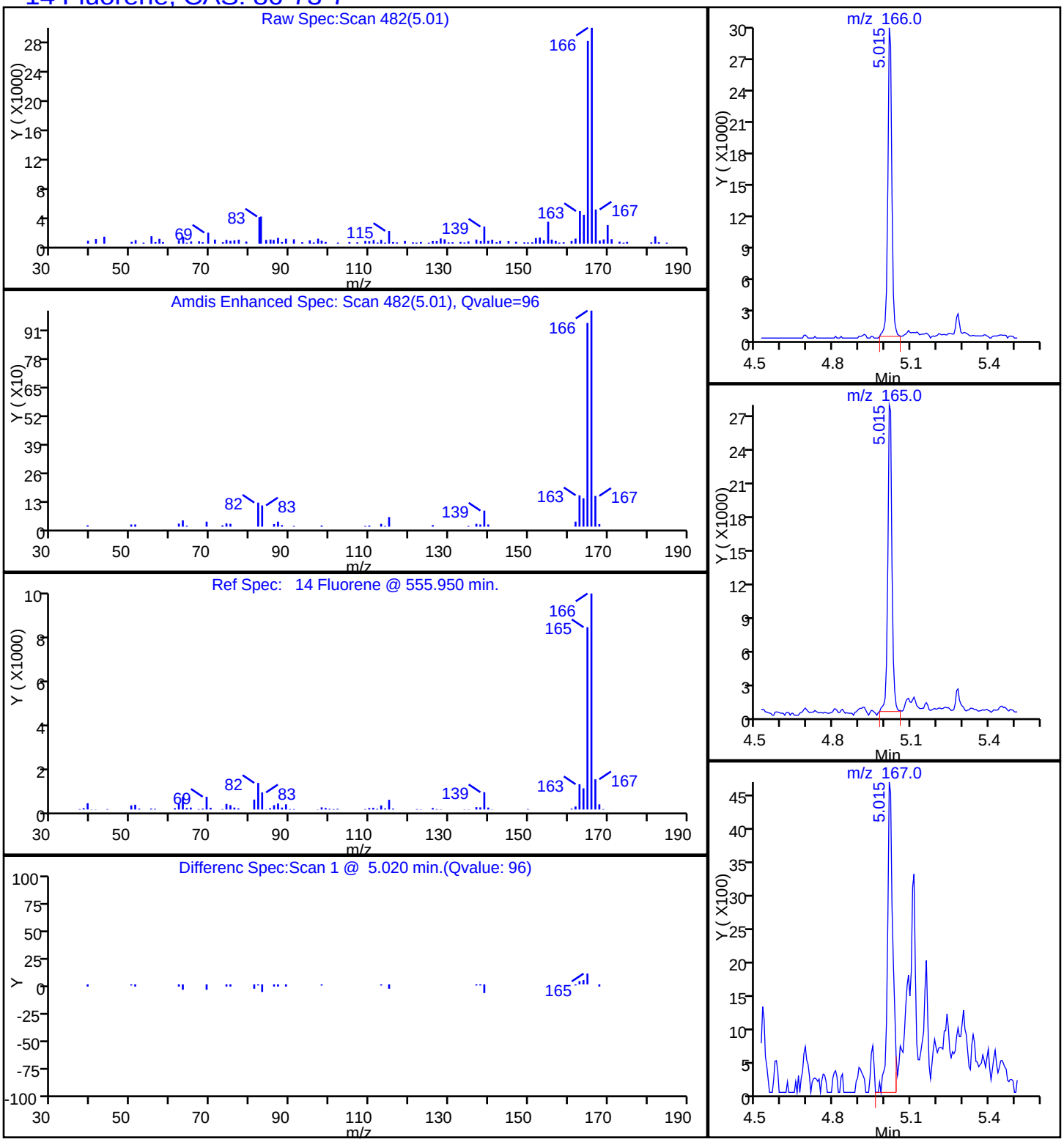


Report Date: 20-Oct-2014 09:22:19 Chrom Revision: 2.2 18-Aug-2014 12:17:36

TestAmerica Savannah

Data File:	\\SAVCHROM\ChromData\CMSY\20141017-13845.b\1YJ1727.D				
Injection Date:	17-Oct-2014 19:14:30	Instrument ID:	CMSY		
Lims ID:	680-106200-A-59-B	Lab Sample ID:	680-106200-59		
Client ID:	CV0613A-CS12				
Operator ID:	RM	ALS Bottle#:	27	Worklist Smp#:	27
Injection Vol:	2.0 ul	Dil. Factor:	1.0000		
Method:	8270D_LLPAH_MSY	Limit Group:	8270D_LL_PAH		
Column:	Restek RXi-5Sil MS (0.25 mm)	Detector	MS SCAN		

14 Fluorene, CAS: 86-73-7

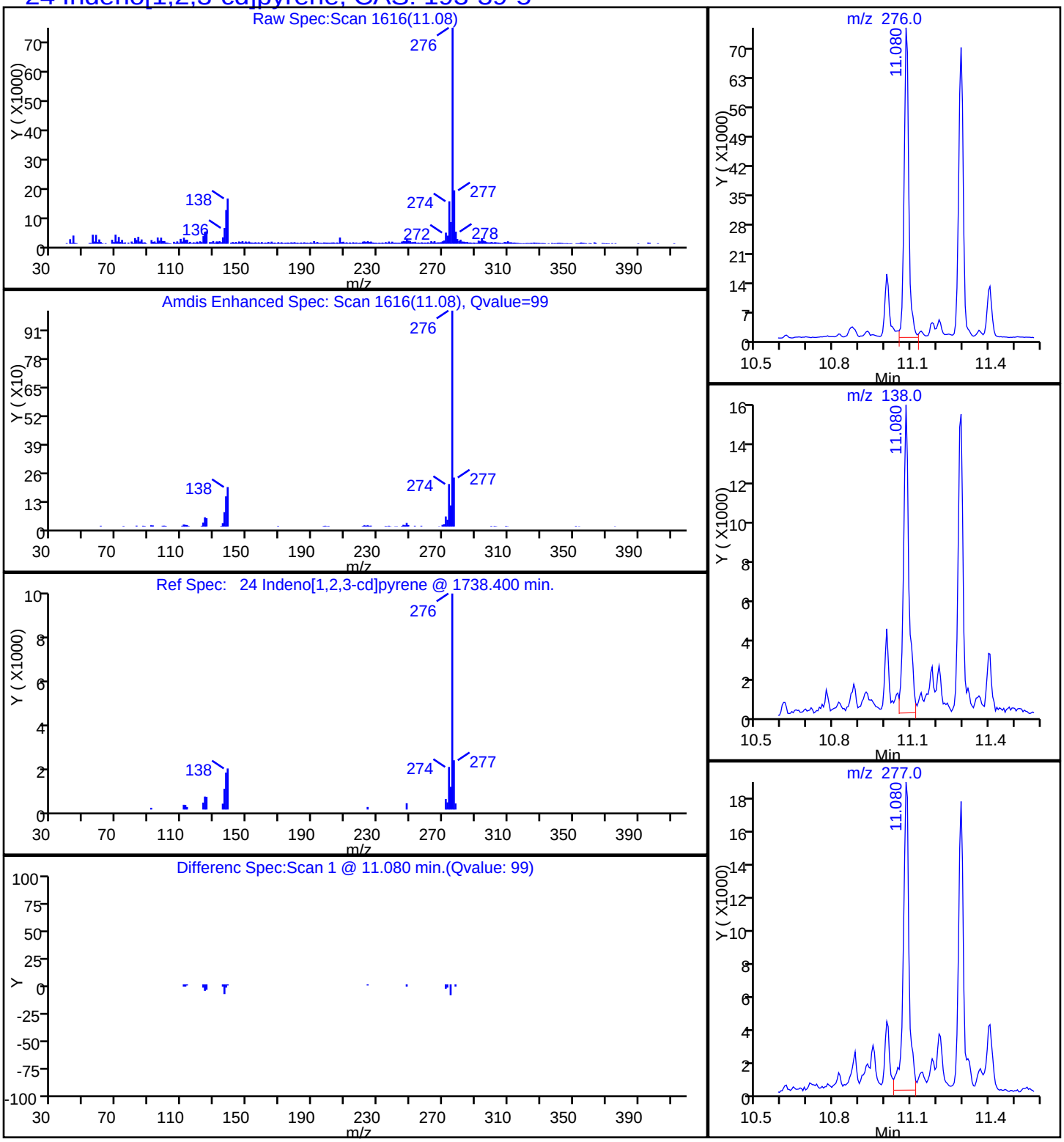


Report Date: 20-Oct-2014 09:22:19 Chrom Revision: 2.2 18-Aug-2014 12:17:36

TestAmerica Savannah

Data File:	\\SAVCHROM\ChromData\CMSY\20141017-13845.b\1YJ1727.D				
Injection Date:	17-Oct-2014 19:14:30	Instrument ID:	CMSY		
Lims ID:	680-106200-A-59-B	Lab Sample ID:	680-106200-59		
Client ID:	CV0613A-CS12				
Operator ID:	RM	ALS Bottle#:	27	Worklist Smp#:	27
Injection Vol:	2.0 ul	Dil. Factor:	1.0000		
Method:	8270D_LLPAH_MSY	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

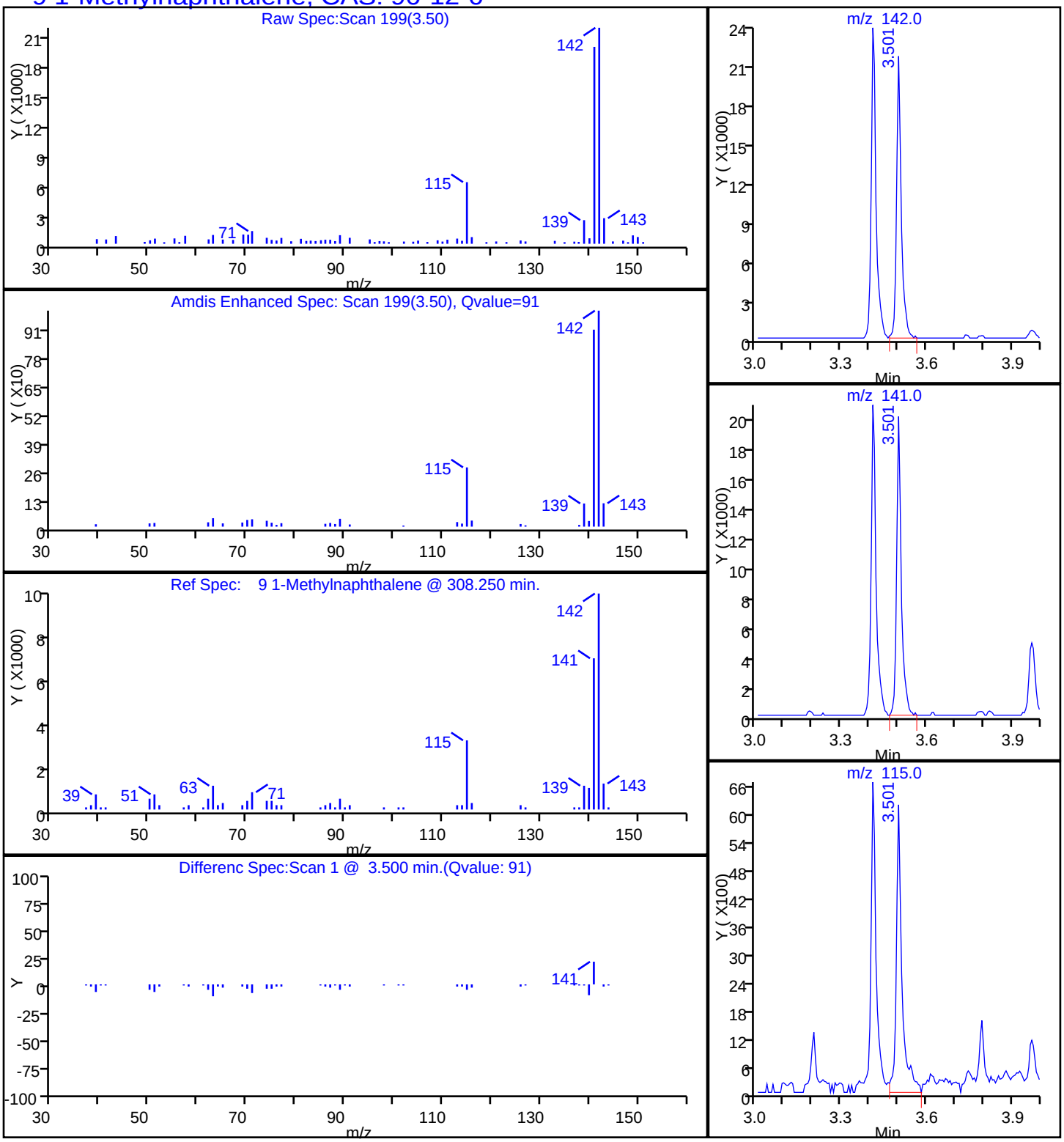


Report Date: 20-Oct-2014 09:22:19 Chrom Revision: 2.2 18-Aug-2014 12:17:36

TestAmerica Savannah

Data File:	\\SAVCHROM\ChromData\CMSY\20141017-13845.b\1YJ1727.D				
Injection Date:	17-Oct-2014 19:14:30	Instrument ID:	CMSY		
Lims ID:	680-106200-A-59-B	Lab Sample ID:	680-106200-59		
Client ID:	CV0613A-CS12				
Operator ID:	RM	ALS Bottle#:	27	Worklist Smp#:	27
Injection Vol:	2.0 ul	Dil. Factor:	1.0000		
Method:	8270D_LLPAH_MSY	Limit Group:	8270D_LL_PAH		
Column:	Restek RXi-5Sil MS (0.25 mm)	Detector	MS SCAN		

9 1-Methylnaphthalene, CAS: 90-12-0

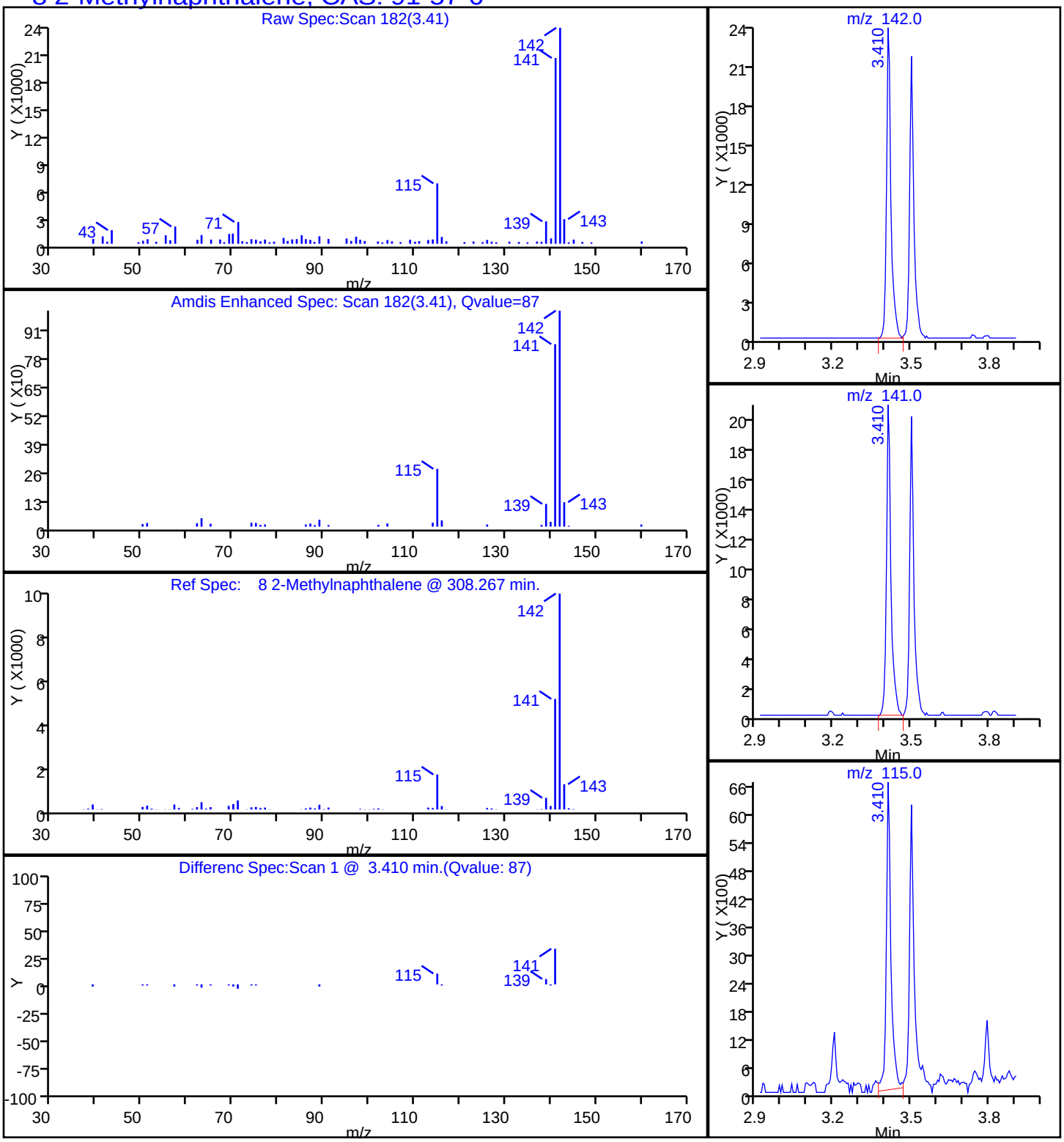


Report Date: 20-Oct-2014 09:22:19 Chrom Revision: 2.2 18-Aug-2014 12:17:36

TestAmerica Savannah

Data File:	\\SAVCHROM\ChromData\CMSY\20141017-13845.b\1YJ1727.D				
Injection Date:	17-Oct-2014 19:14:30	Instrument ID:	CMSY		
Lims ID:	680-106200-A-59-B	Lab Sample ID:	680-106200-59		
Client ID:	CV0613A-CS12				
Operator ID:	RM	ALS Bottle#:	27	Worklist Smp#:	27
Injection Vol:	2.0 ul	Dil. Factor:	1.0000		
Method:	8270D_LLPAH_MSY	Limit Group:	8270D_LL_PAH		
Column:	Restek RXi-5Sil MS (0.25 mm)	Detector	MS SCAN		

8 2-Methylnaphthalene, CAS: 91-57-6

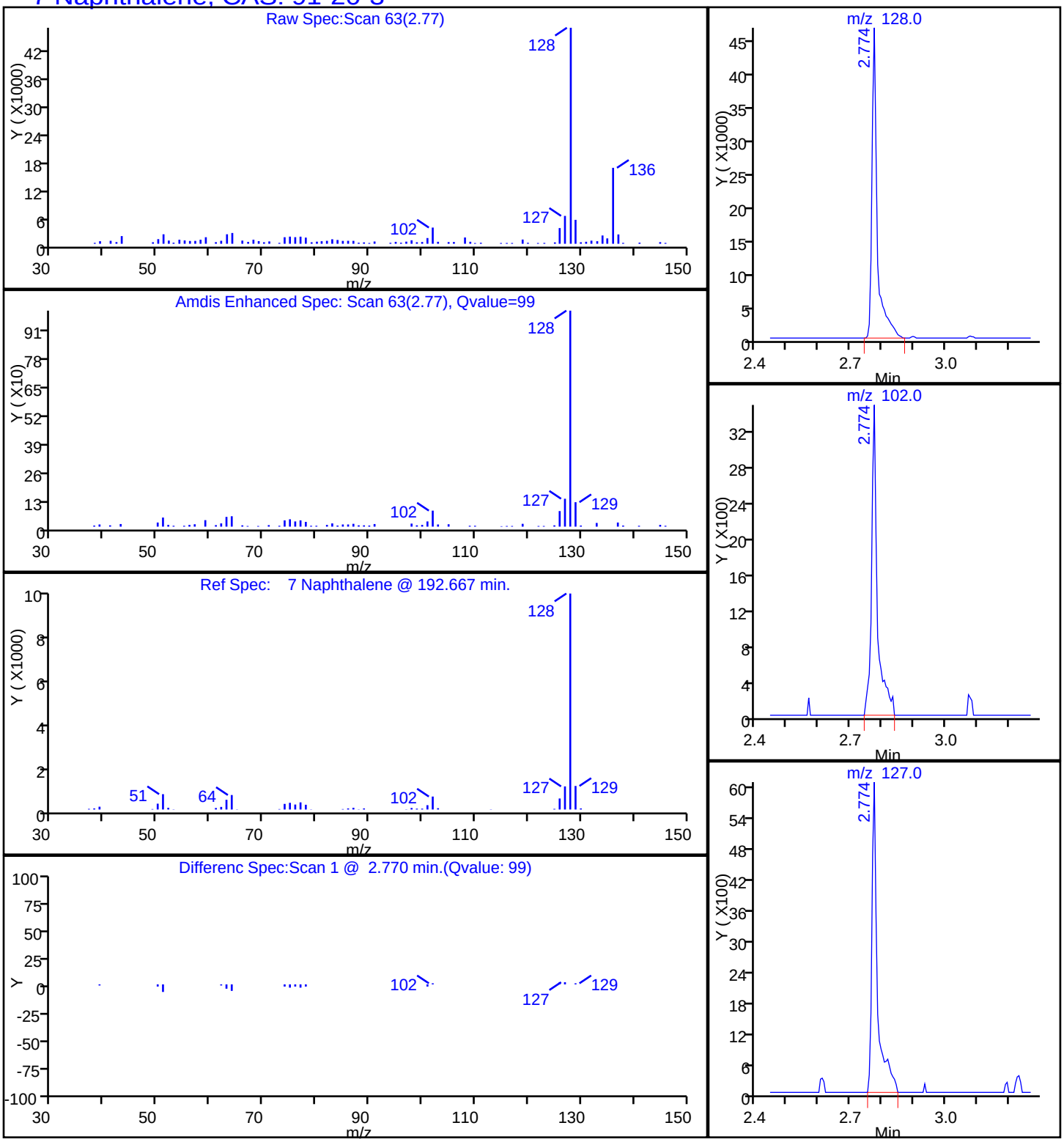


Report Date: 20-Oct-2014 09:22:19 Chrom Revision: 2.2 18-Aug-2014 12:17:36

TestAmerica Savannah

Data File:	\\SAVCHROM\ChromData\CMSY\20141017-13845.b\1YJ1727.D				
Injection Date:	17-Oct-2014 19:14:30	Instrument ID:	CMSY		
Lims ID:	680-106200-A-59-B	Lab Sample ID:	680-106200-59		
Client ID:	CV0613A-CS12				
Operator ID:	RM	ALS Bottle#:	27	Worklist Smp#:	27
Injection Vol:	2.0 ul	Dil. Factor:	1.0000		
Method:	8270D_LLPAH_MSY	Limit Group:	8270D_LL_PAH		
Column:	Restek RXi-5Sil MS (0.25 mm)	Detector	MS SCAN		

7 Naphthalene, CAS: 91-20-3

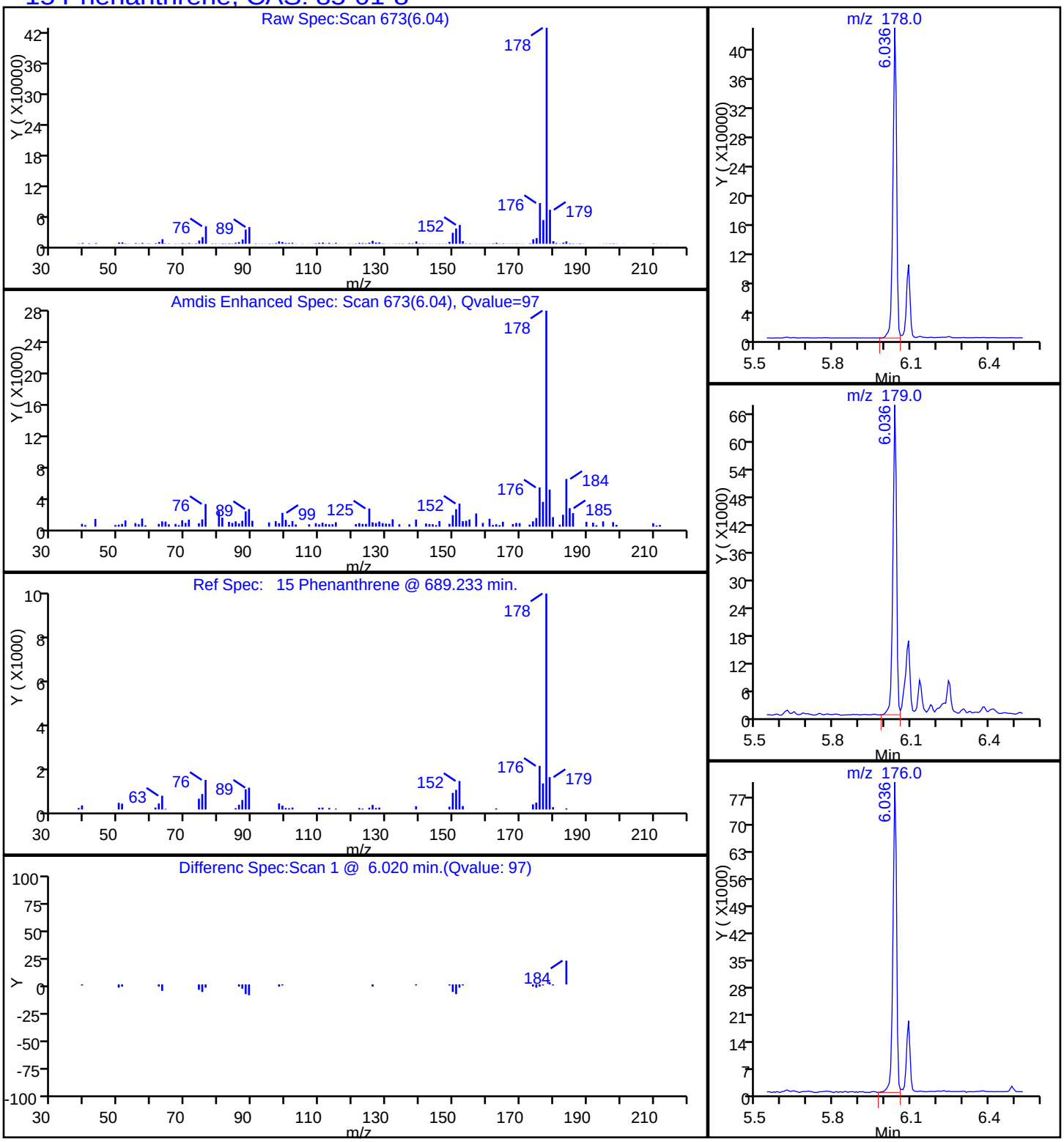


Report Date: 20-Oct-2014 09:22:19 Chrom Revision: 2.2 18-Aug-2014 12:17:36

TestAmerica Savannah

Data File:	\\SAVCHROM\ChromData\CMSY\20141017-13845.b\1YJ1727.D				
Injection Date:	17-Oct-2014 19:14:30	Instrument ID:	CMSY		
Lims ID:	680-106200-A-59-B	Lab Sample ID:	680-106200-59		
Client ID:	CV0613A-CS12				
Operator ID:	RM	ALS Bottle#:	27	Worklist Smp#:	27
Injection Vol:	2.0 ul	Dil. Factor:	1.0000		
Method:	8270D_LLPAH_MSY	Limit Group:	8270D_LL_PAH		
Column:	Restek RXi-5Sil MS (0.25 mm)	Detector	MS SCAN		

15 Phenanthrene, CAS: 85-01-8

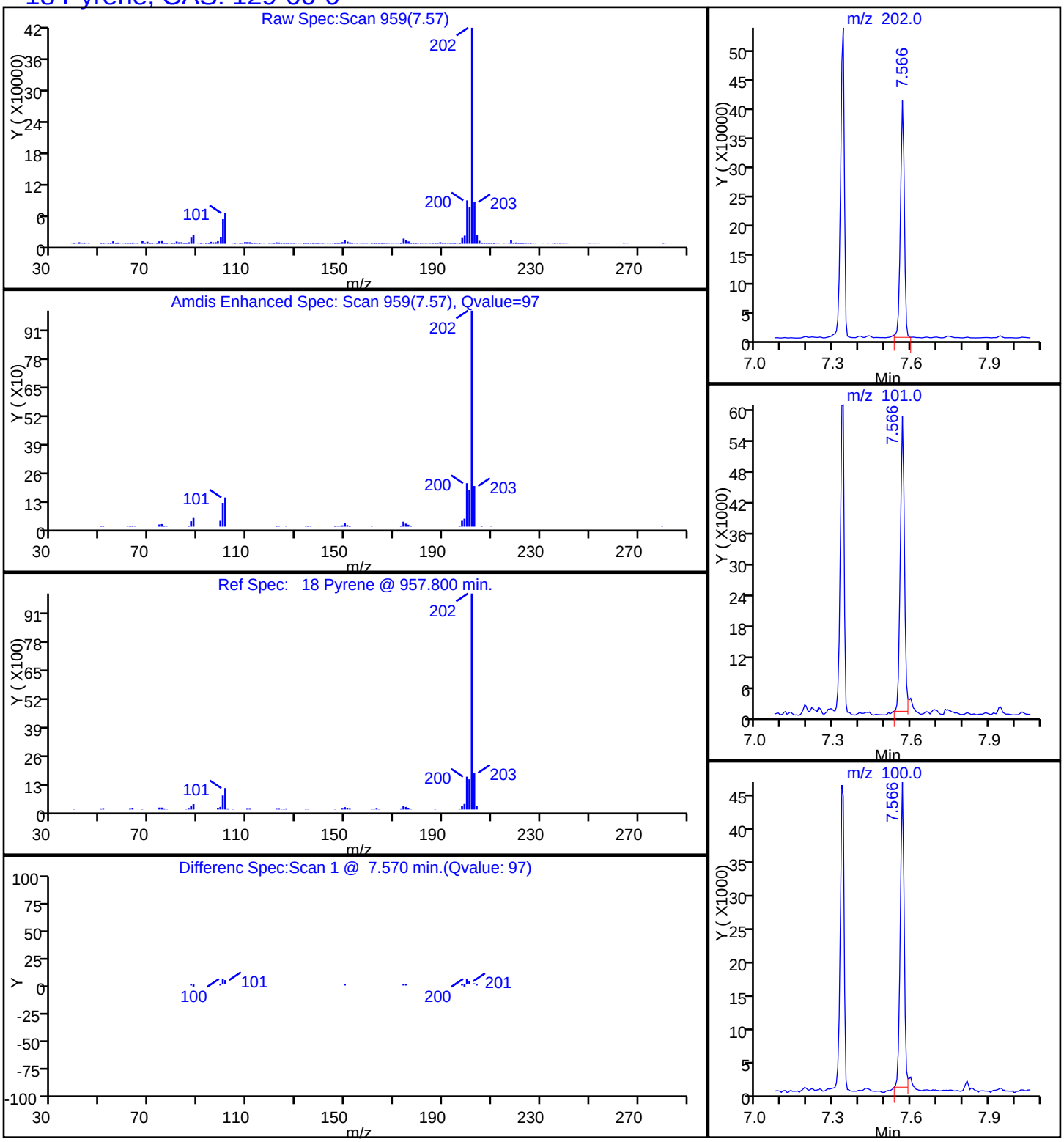


Report Date: 20-Oct-2014 09:22:19 Chrom Revision: 2.2 18-Aug-2014 12:17:36

TestAmerica Savannah

Data File:	\\SAVCHROM\ChromData\CMSY\20141017-13845.b\1YJ1727.D				
Injection Date:	17-Oct-2014 19:14:30	Instrument ID:	CMSY		
Lims ID:	680-106200-A-59-B	Lab Sample ID:	680-106200-59		
Client ID:	CV0613A-CS12				
Operator ID:	RM	ALS Bottle#:	27	Worklist Smp#:	27
Injection Vol:	2.0 ul	Dil. Factor:	1.0000		
Method:	8270D_LLPAH_MSY	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

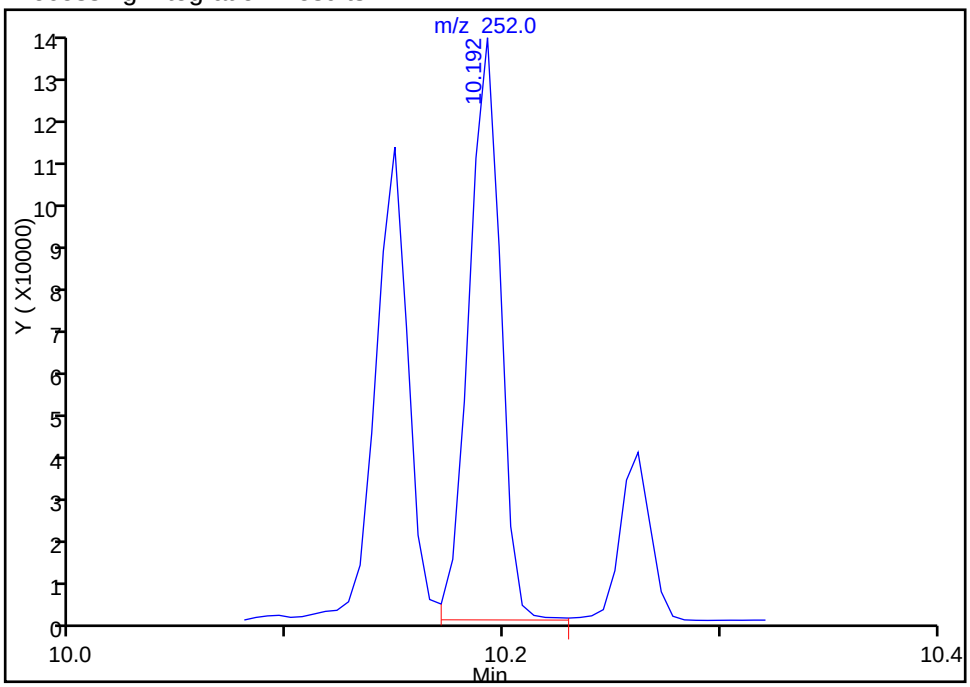
TestAmerica Savannah

Data File:	\\SAVCHROM\ChromData\CMSY\20141017-13845.b\1YJ1727.D				
Injection Date:	17-Oct-2014 19:14:30	Instrument ID:	CMSY		
Lims ID:	680-106200-A-59-B	Lab Sample ID:	680-106200-59		
Client ID:	CV0613A-CS12				
Operator ID:	RM	ALS Bottle#:	27	Worklist Smp#:	27
Injection Vol:	2.0 ul	Dil. Factor:	1.0000		
Method:	8270D_LLPAH_MSY	Limit Group:	8270D_LL_PAH		
Column:	Restek RXi-5Sil MS (0.25 mm)	Detector	MS SCAN		

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

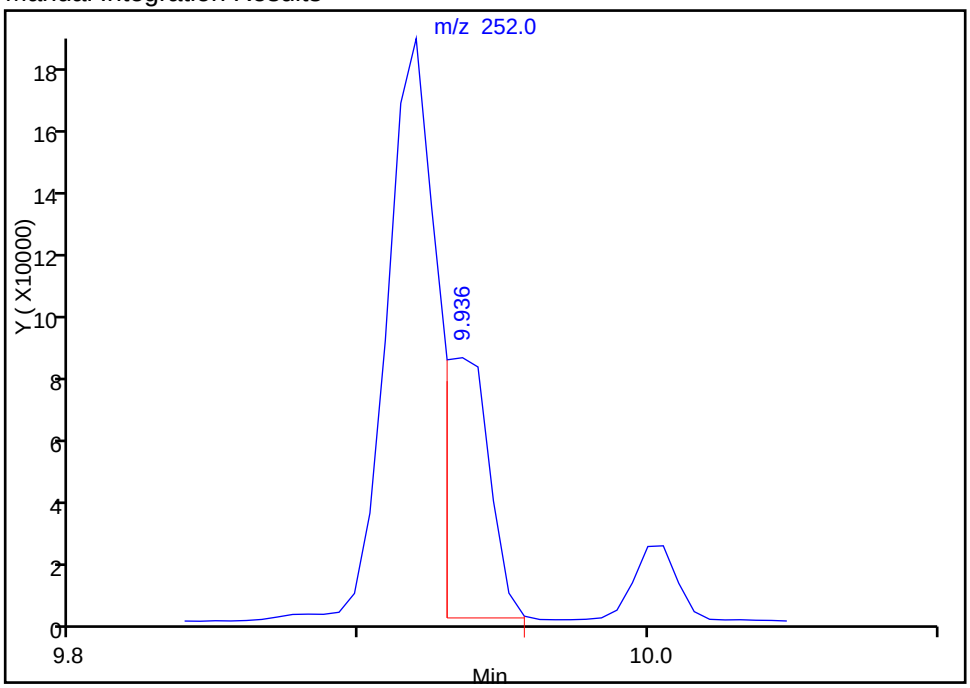
Processing Integration Results

RT: 10.19
Response: 130422
Amount: 2.595658



Manual Integration Results

RT: 9.94
Response: 93340
Amount: 1.851744



Reviewer: webbk, 20-Oct-2014 09:13:58
Audit Action: Manually Integrated
Audit Reason: Split Peak

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Savannah | Job No.: 680-106200-4

SDG No.: 680-106200-04

Client Sample ID: CV0613A-CS18 | Lab Sample ID: 680-106200-60

Matrix: Solid | Lab File ID: 1YJ1728.D

Analysis Method: 8270D_LL_PAH | Date Collected: 10/07/2014 13:20

Extract. Method: 3546 | Date Extracted: 10/15/2014 14:21

Sample wt/vol: 30.01(g) | Date Analyzed: 10/17/2014 19:36

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

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

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

Analysis Batch No.: 354069 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
83-32-9	Acenaphthene	7.5	U	7.5	3.7
208-96-8	Acenaphthylene	7.5	U	7.5	3.7
120-12-7	Anthracene	3.8	J	7.5	3.7
56-55-3	Benzo[a]anthracene	28		7.5	3.7
50-32-8	Benzo[a]pyrene	29		7.5	1.3
205-99-2	Benzo[b]fluoranthene	49		7.5	3.7
191-24-2	Benzo[g,h,i]perylene	27		7.5	3.7
207-08-9	Benzo[k]fluoranthene	16		7.5	2.2
218-01-9	Chrysene	37		7.5	3.7
53-70-3	Dibenz(a,h)anthracene	9.6		7.5	3.7
206-44-0	Fluoranthene	45		7.5	3.7
86-73-7	Fluorene	7.5	U	7.5	3.7
193-39-5	Indeno[1,2,3-cd]pyrene	17		7.5	3.7
90-12-0	1-Methylnaphthalene	4.7	J	7.5	3.5
91-57-6	2-Methylnaphthalene	5.5	J	7.5	3.7
91-20-3	Naphthalene	4.5	J	7.5	3.7
85-01-8	Phenanthrene	22		7.5	2.7
129-00-0	Pyrene	49		7.5	3.7

CAS NO.	SURROGATE	%REC	Q	LIMITS
84-15-1	o-Terphenyl	103		36-131

TestAmerica Savannah
Target Compound Quantitation Report

Data File:	\\SAVCHROM\ChromData\CMSY\20141017-13845.b\1YJ1728.D				
Lims ID:	680-106200-A-60-A	Lab Sample ID:	680-106200-60		
Client ID:	CV0613A-CS18				
Sample Type:	Client				
Inject. Date:	17-Oct-2014 19:36:30	ALS Bottle#:	28	Worklist Smp#:	28
Injection Vol:	2.0 ul	Dil. Factor:	1.0000		
Sample Info:	106200-A-60-A				
Misc. Info.:	680-0013845-028				
Operator ID:	RM	Instrument ID:	CMSY		
Method:	\\SAVCHROM\ChromData\CMSY\20141017-13845.b\8270D_LLPAH_MSY.m				
Limit Group:	8270D_LL_PAH				
Last Update:	20-Oct-2014 09:21:49	Calib Date:	07-Oct-2014 15:41:30		
Integrator:	RTE	ID Type:	Deconvolution ID		
Quant Method:	Internal Standard	Quant By:	Initial Calibration		
Last ICal File:	\\SAVCHROM\ChromData\CMSY\20141007-13559.b\3YJ0707.D				
Column 1 :	Restek RXi-5Sil MS (0.25 mm)		Det: MS SCAN		
Process Host:	XAWRK024				

First Level Reviewer: webbk Date: 20-Oct-2014 09:16:14

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/ml	Flags
* 1 Naphthalene-d8	136	2.758	2.753	0.005	98	133515	2.00	
* 2 Acenaphthene-d10	164	4.443	4.437	0.006	92	76992	2.00	
* 3 Phenanthrene-d10	188	6.010	6.005	0.006	98	132427	2.00	
* 4 Chrysene-d12	240	8.887	8.877	0.010	99	104946	2.00	
* 5 Perylene-d12	264	10.241	10.225	0.015	99	75249	2.00	
$ 6 o-Terphenyl	230	6.491	6.491	0.000	91	69179	2.06	
7 Naphthalene	128	2.774	2.774	0.000	98	8727	0.1198	
8 2-Methylnaphthalene	142	3.410	3.410	0.000	86	7153	0.1481	
9 1-Methylnaphthalene	142	3.501	3.501	0.000	90	5629	0.1257	
15 Phenanthrene	178	6.031	6.031	0.000	97	46998	0.5930	
16 Anthracene	178	6.090	6.085	0.005	98	8087	0.1026	
17 Fluoranthene	202	7.331	7.320	0.011	98	102368	1.22	
18 Pyrene	202	7.561	7.556	0.005	98	90318	1.32	
19 Benzo[a]anthracene	228	8.877	8.866	0.011	97	46298	0.7543	
20 Chrysene	228	8.909	8.903	0.006	99	58038	1.00	
21 Benzo[b]fluoranthene	252	9.914	9.904	0.010	97	64877	1.31	
22 Benzo[k]fluoranthene	252	9.936	9.930	0.006	98	20964	0.4364	M
23 Benzo[a]pyrene	252	10.187	10.176	0.011	98	31193	0.7663	
24 Indeno[1,2,3-cd]pyrene	276	11.075	11.070	0.005	99	25676	0.4456	
25 Dibenz(a,h)anthracene	278	11.102	11.091	0.011	97	9183	0.2581	
26 Benzo[g,h,i]perylene	276	11.289	11.273	0.016	98	26975	0.7267	

QC Flag Legend

Review Flags

M - Manually Integrated

Reagents:

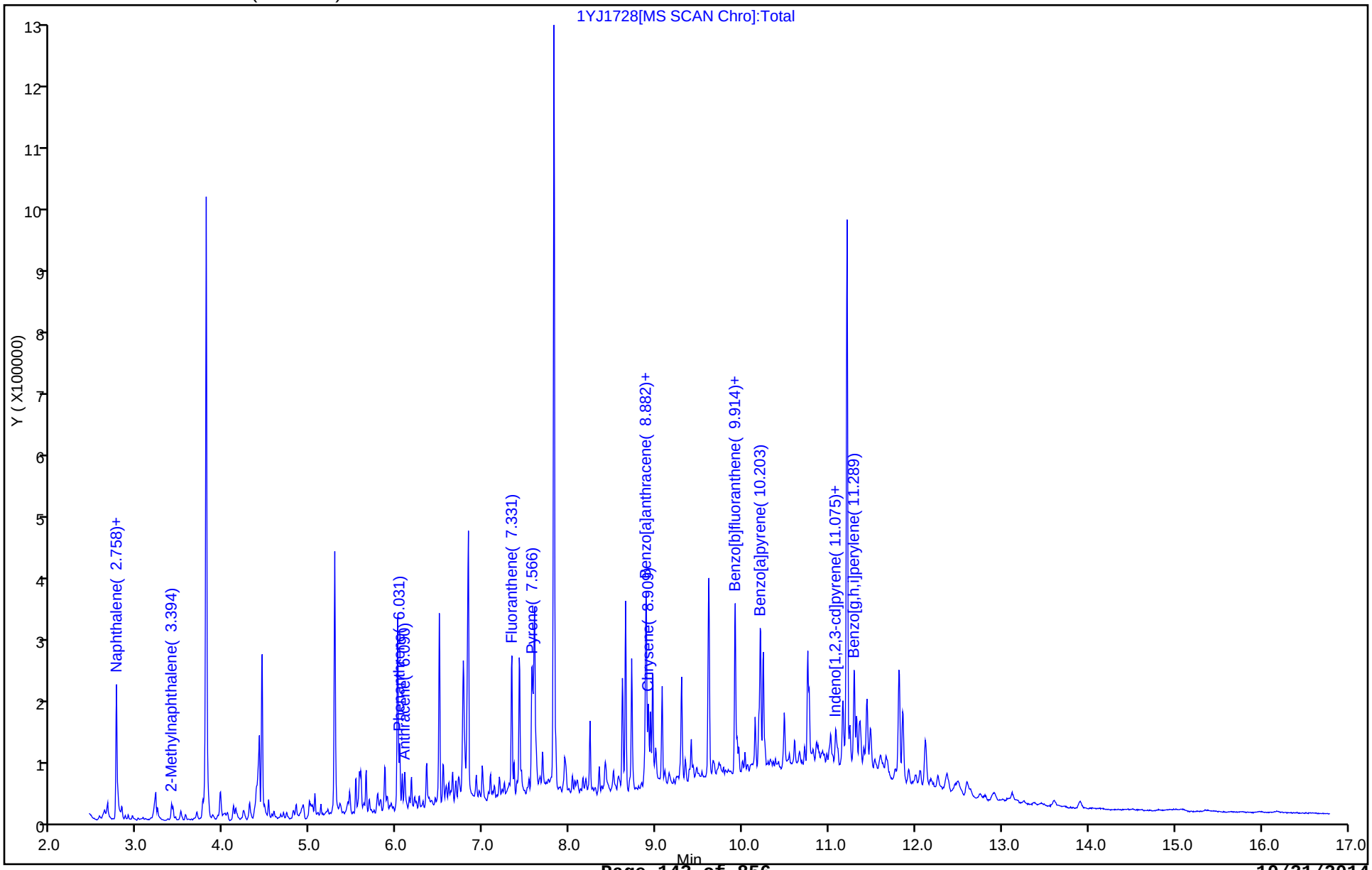
SM-LLISTD_00106 Amount Added: 10.00 Units: uL Run Reagent

Report Date: 20-Oct-2014 09:22:20 Chrom Revision: 2.2 18-Aug-2014 12:17:36

TestAmerica Savannah

Data File:	\\SAVCHROM\ChromData\CMSY\20141017-13845.b\1YJ1728.D				
Injection Date:	17-Oct-2014 19:36:30	Instrument ID:	CMSY	Operator ID:	RM
Lims ID:	680-106200-A-60-A	Lab Sample ID:	680-106200-60	Worklist Smp#:	28
Client ID:	CV0613A-CS18				
Injection Vol:	2.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	28
Method:	8270D_LLPAH_MSY	Limit Group:	8270D_LL_PAH		

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

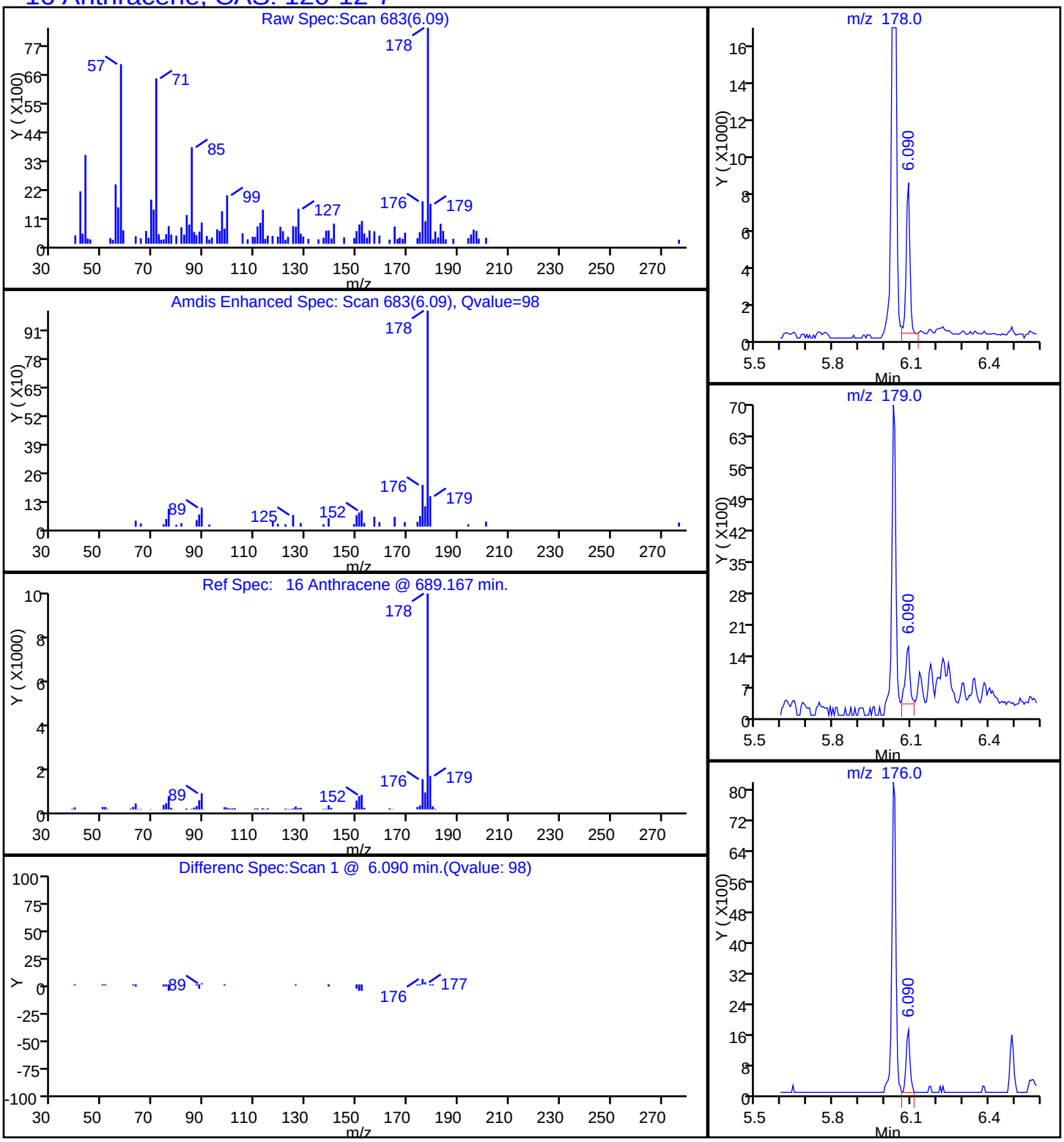


Report Date: 20-Oct-2014 09:22:20 Chrom Revision: 2.2 18-Aug-2014 12:17:36

TestAmerica Savannah

Data File:	\\SAVCHROM\ChromData\CMSY\20141017-13845.b\1YJ1728.D				
Injection Date:	17-Oct-2014 19:36:30	Instrument ID:	CMSY		
Lims ID:	680-106200-A-60-A	Lab Sample ID:	680-106200-60		
Client ID:	CV0613A-CS18				
Operator ID:	RM	ALS Bottle#:	28	Worklist Smp#:	28
Injection Vol:	2.0 ul	Dil. Factor:	1.0000		
Method:	8270D_LLPAH_MSY	Limit Group:	8270D_LL_PAH		
Column:	Restek RXi-5Sil MS (0.25 mm)	Detector	MS SCAN		

16 Anthracene, CAS: 120-12-7

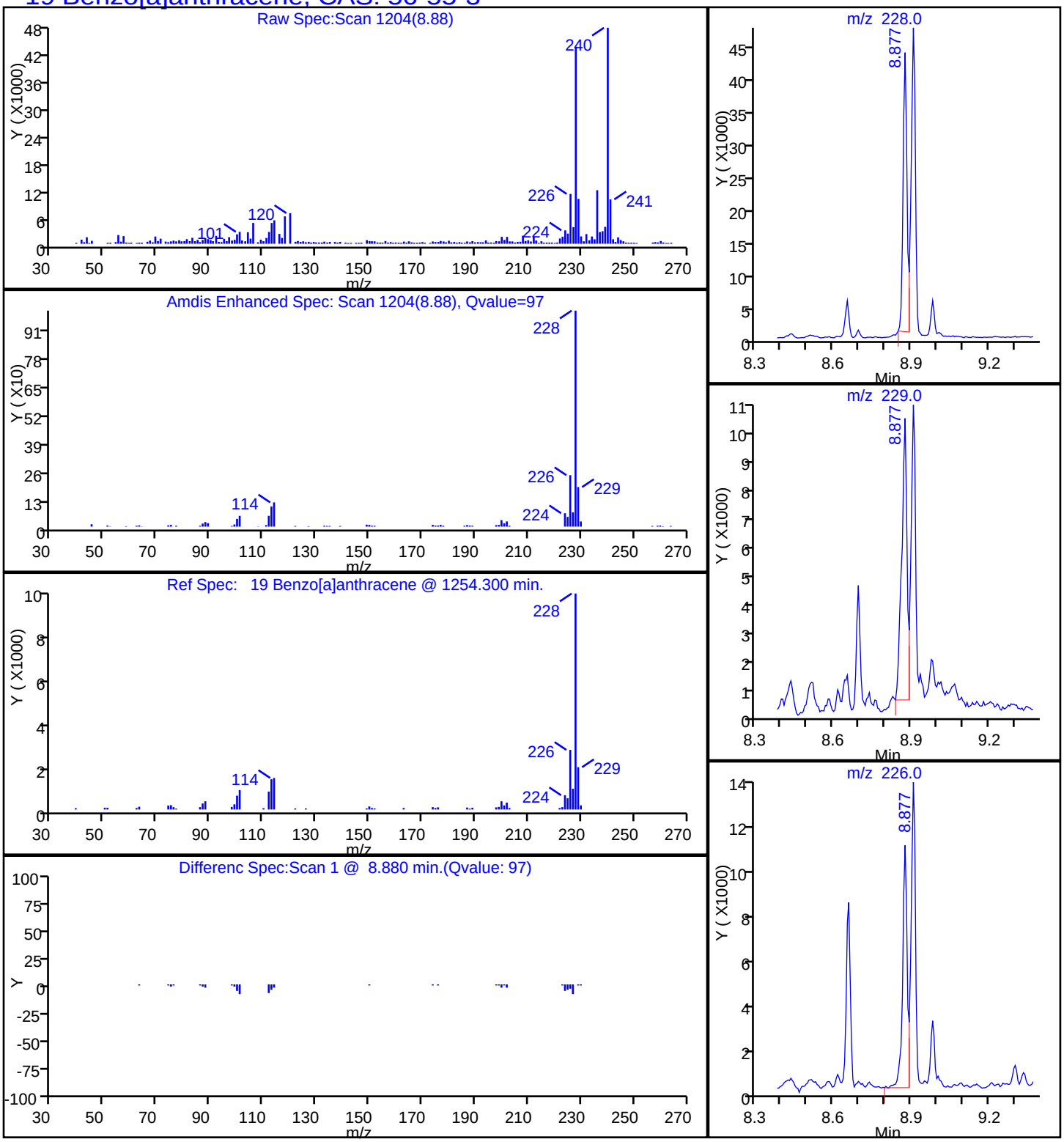


Report Date: 20-Oct-2014 09:22:20 Chrom Revision: 2.2 18-Aug-2014 12:17:36

TestAmerica Savannah

Data File:	\\SAVCHROM\ChromData\CMSY\20141017-13845.b\1YJ1728.D				
Injection Date:	17-Oct-2014 19:36:30	Instrument ID:	CMSY		
Lims ID:	680-106200-A-60-A	Lab Sample ID:	680-106200-60		
Client ID:	CV0613A-CS18				
Operator ID:	RM	ALS Bottle#:	28	Worklist Smp#:	28
Injection Vol:	2.0 ul	Dil. Factor:	1.0000		
Method:	8270D_LLPAH_MSY	Limit Group:	8270D_LL_PAH		
Column:	Restek RXi-5Sil MS (0.25 mm)	Detector	MS SCAN		

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

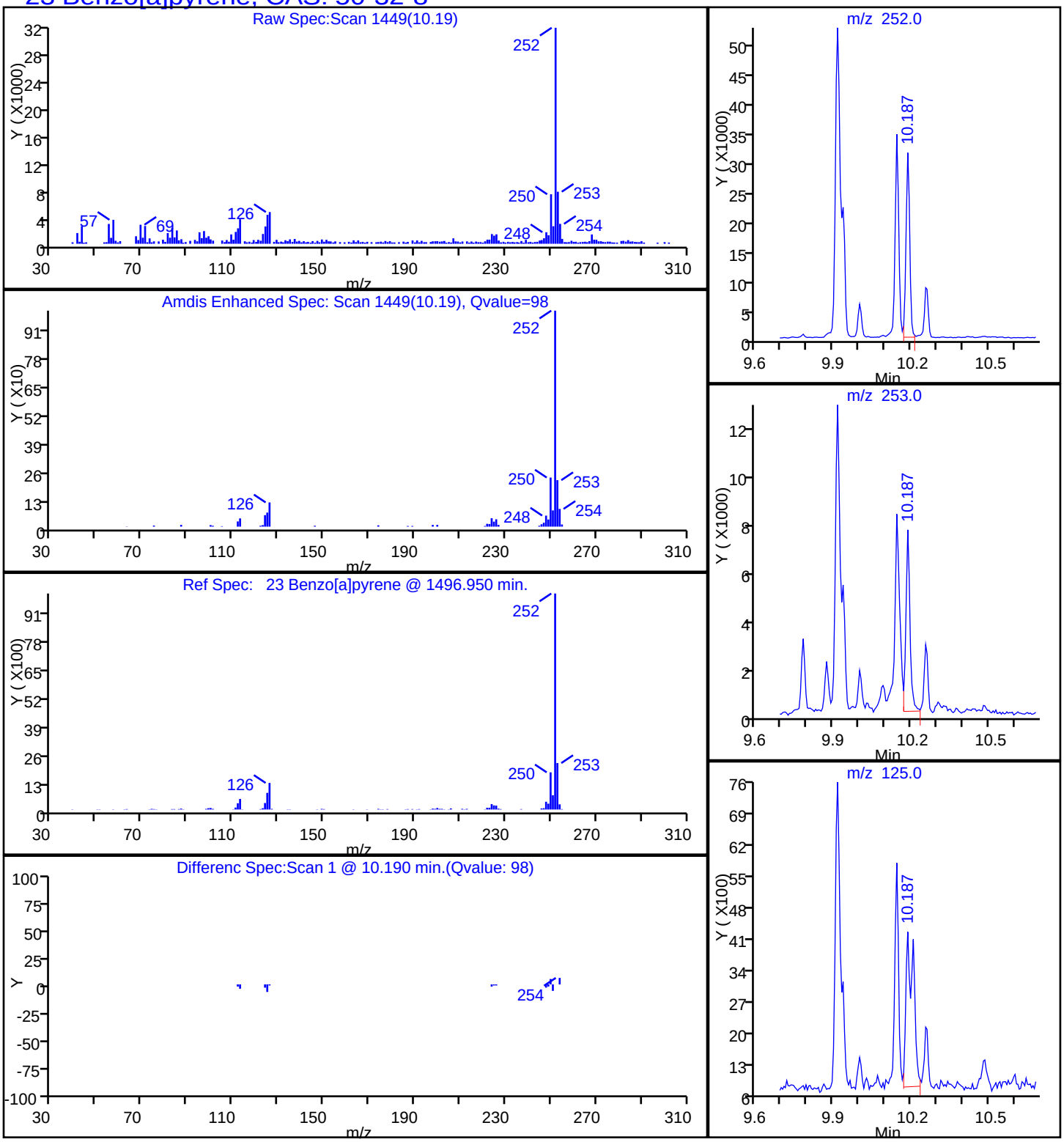


Report Date: 20-Oct-2014 09:22:21 Chrom Revision: 2.2 18-Aug-2014 12:17:36

TestAmerica Savannah

Data File:	\\SAVCHROM\ChromData\CMSY\20141017-13845.b\1YJ1728.D				
Injection Date:	17-Oct-2014 19:36:30	Instrument ID:	CMSY		
Lims ID:	680-106200-A-60-A	Lab Sample ID:	680-106200-60		
Client ID:	CV0613A-CS18				
Operator ID:	RM	ALS Bottle#:	28	Worklist Smp#:	28
Injection Vol:	2.0 ul	Dil. Factor:	1.0000		
Method:	8270D_LLPAH_MSY	Limit Group:	8270D_LL_PAH		
Column:	Restek RXi-5Sil MS (0.25 mm)	Detector	MS SCAN		

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

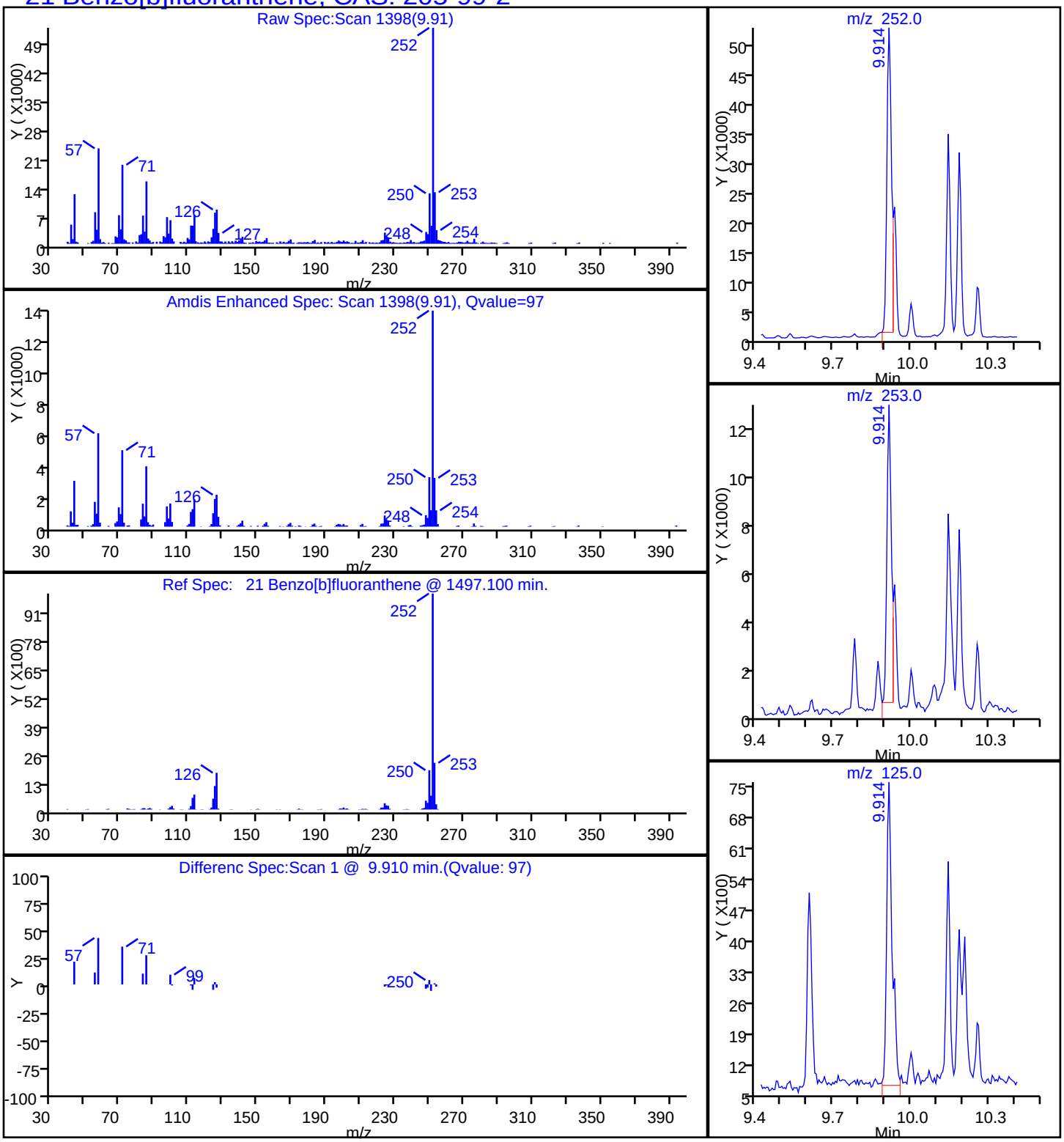


Report Date: 20-Oct-2014 09:22:20 Chrom Revision: 2.2 18-Aug-2014 12:17:36

TestAmerica Savannah

Data File:	\\SAVCHROM\ChromData\CMSY\20141017-13845.b\1YJ1728.D				
Injection Date:	17-Oct-2014 19:36:30	Instrument ID:	CMSY		
Lims ID:	680-106200-A-60-A	Lab Sample ID:	680-106200-60		
Client ID:	CV0613A-CS18				
Operator ID:	RM	ALS Bottle#:	28	Worklist Smp#:	28
Injection Vol:	2.0 ul	Dil. Factor:	1.0000		
Method:	8270D_LLPAH_MSY	Limit Group:	8270D_LL_PAH		
Column:	Restek RXi-5Sil MS (0.25 mm)	Detector	MS SCAN		

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

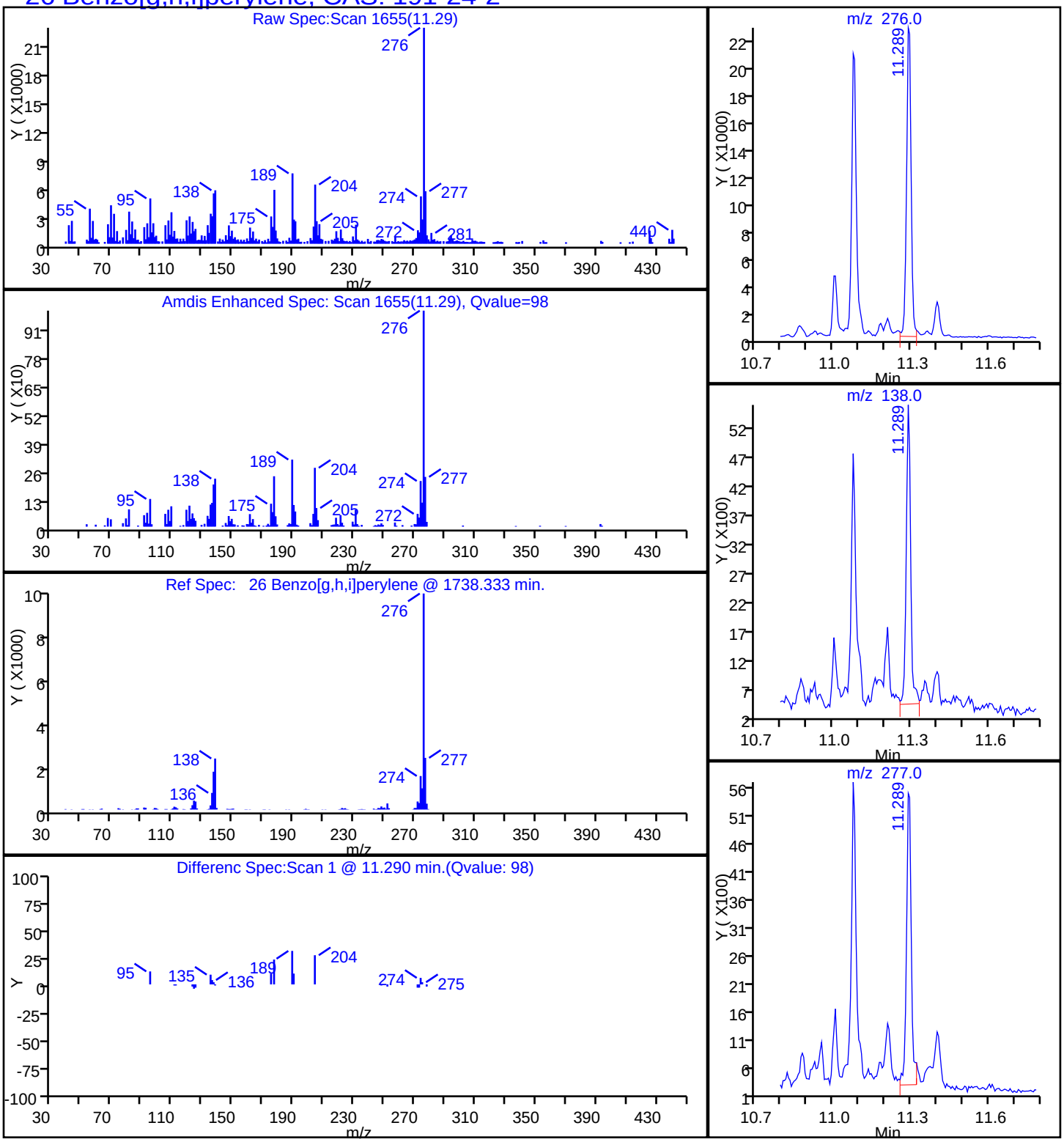


Report Date: 20-Oct-2014 09:22:21 Chrom Revision: 2.2 18-Aug-2014 12:17:36

TestAmerica Savannah

Data File:	\\SAVCHROM\ChromData\CMSY\20141017-13845.b\1YJ1728.D				
Injection Date:	17-Oct-2014 19:36:30	Instrument ID:	CMSY		
Lims ID:	680-106200-A-60-A	Lab Sample ID:	680-106200-60		
Client ID:	CV0613A-CS18				
Operator ID:	RM	ALS Bottle#:	28	Worklist Smp#:	28
Injection Vol:	2.0 ul	Dil. Factor:	1.0000		
Method:	8270D_LLPAH_MSY	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

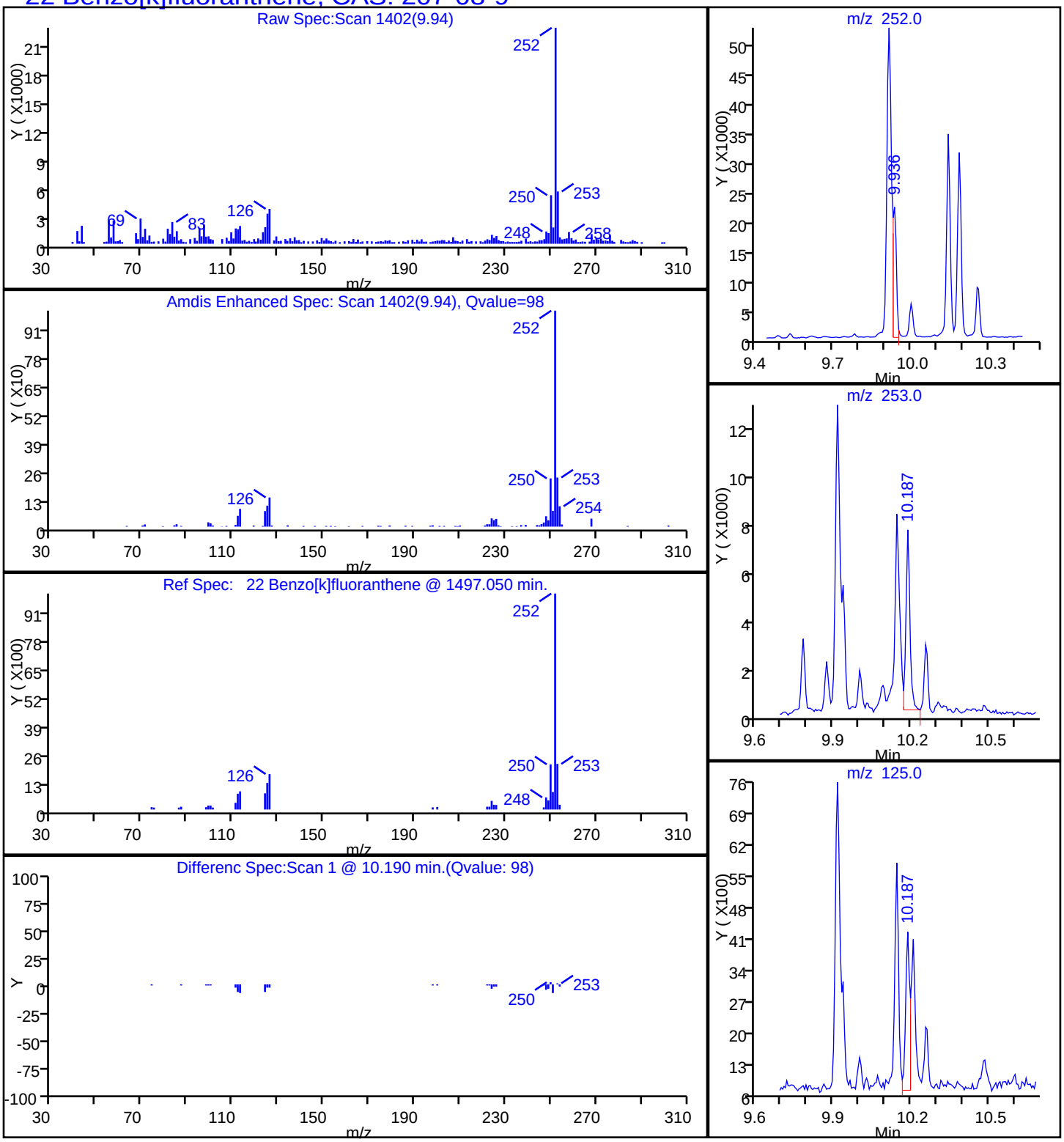


Report Date: 20-Oct-2014 09:22:20 Chrom Revision: 2.2 18-Aug-2014 12:17:36

TestAmerica Savannah

Data File:	\\SAVCHROM\ChromData\CMSY\20141017-13845.b\1YJ1728.D				
Injection Date:	17-Oct-2014 19:36:30	Instrument ID:	CMSY		
Lims ID:	680-106200-A-60-A	Lab Sample ID:	680-106200-60		
Client ID:	CV0613A-CS18				
Operator ID:	RM	ALS Bottle#:	28	Worklist Smp#:	28
Injection Vol:	2.0 ul	Dil. Factor:	1.0000		
Method:	8270D_LLPAH_MSY	Limit Group:	8270D_LL_PAH		
Column:	Restek RXi-5Sil MS (0.25 mm)	Detector	MS SCAN		

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

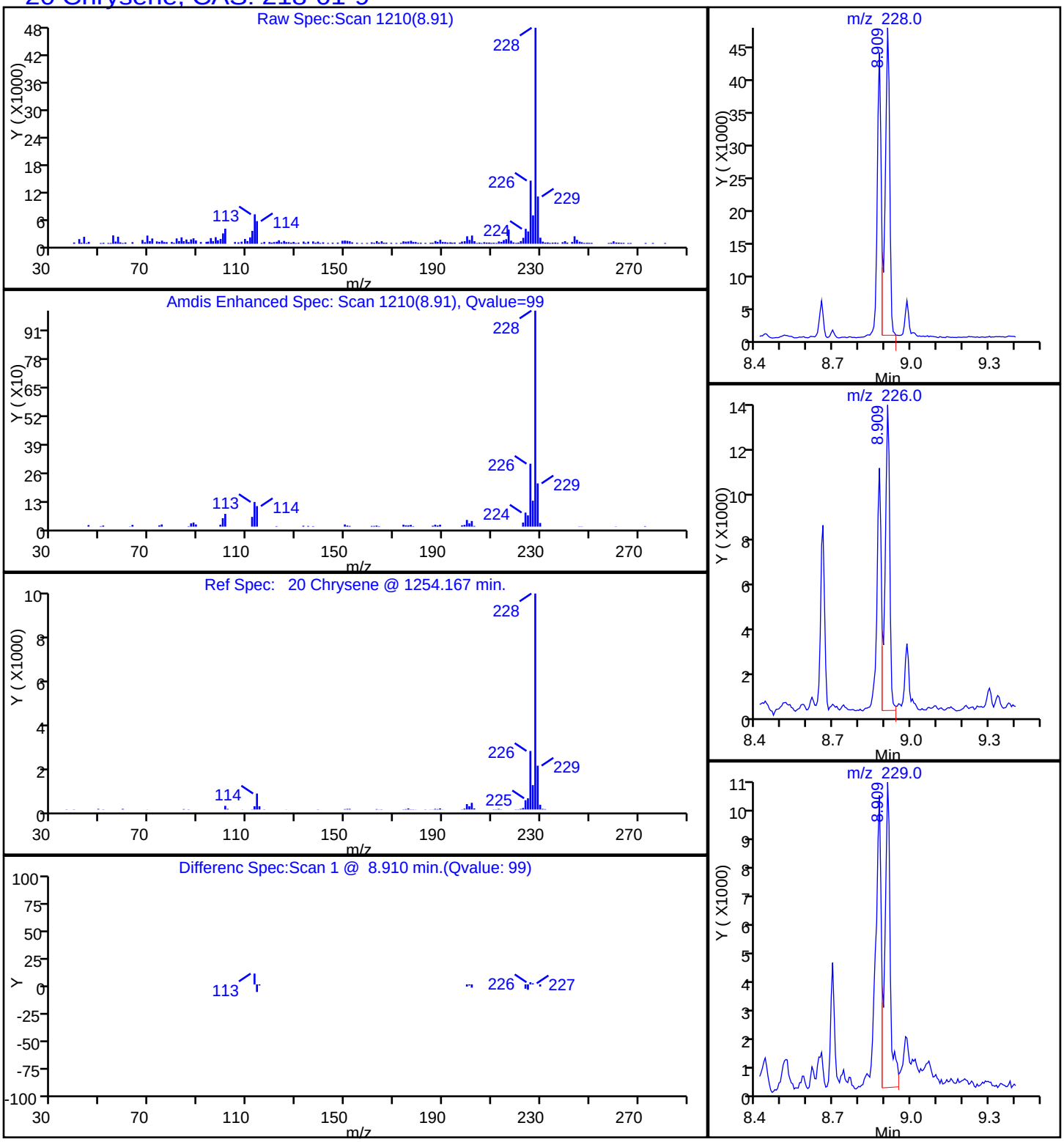


Report Date: 20-Oct-2014 09:22:20 Chrom Revision: 2.2 18-Aug-2014 12:17:36

TestAmerica Savannah

Data File:	\\SAVCHROM\ChromData\CMSY\20141017-13845.b\1YJ1728.D				
Injection Date:	17-Oct-2014 19:36:30	Instrument ID:	CMSY		
Lims ID:	680-106200-A-60-A	Lab Sample ID:	680-106200-60		
Client ID:	CV0613A-CS18				
Operator ID:	RM	ALS Bottle#:	28	Worklist Smp#:	28
Injection Vol:	2.0 ul	Dil. Factor:	1.0000		
Method:	8270D_LLPAH_MSY	Limit Group:	8270D_LL_PAH		
Column:	Restek RXi-5Sil MS (0.25 mm)	Detector	MS SCAN		

20 Chrysene, CAS: 218-01-9

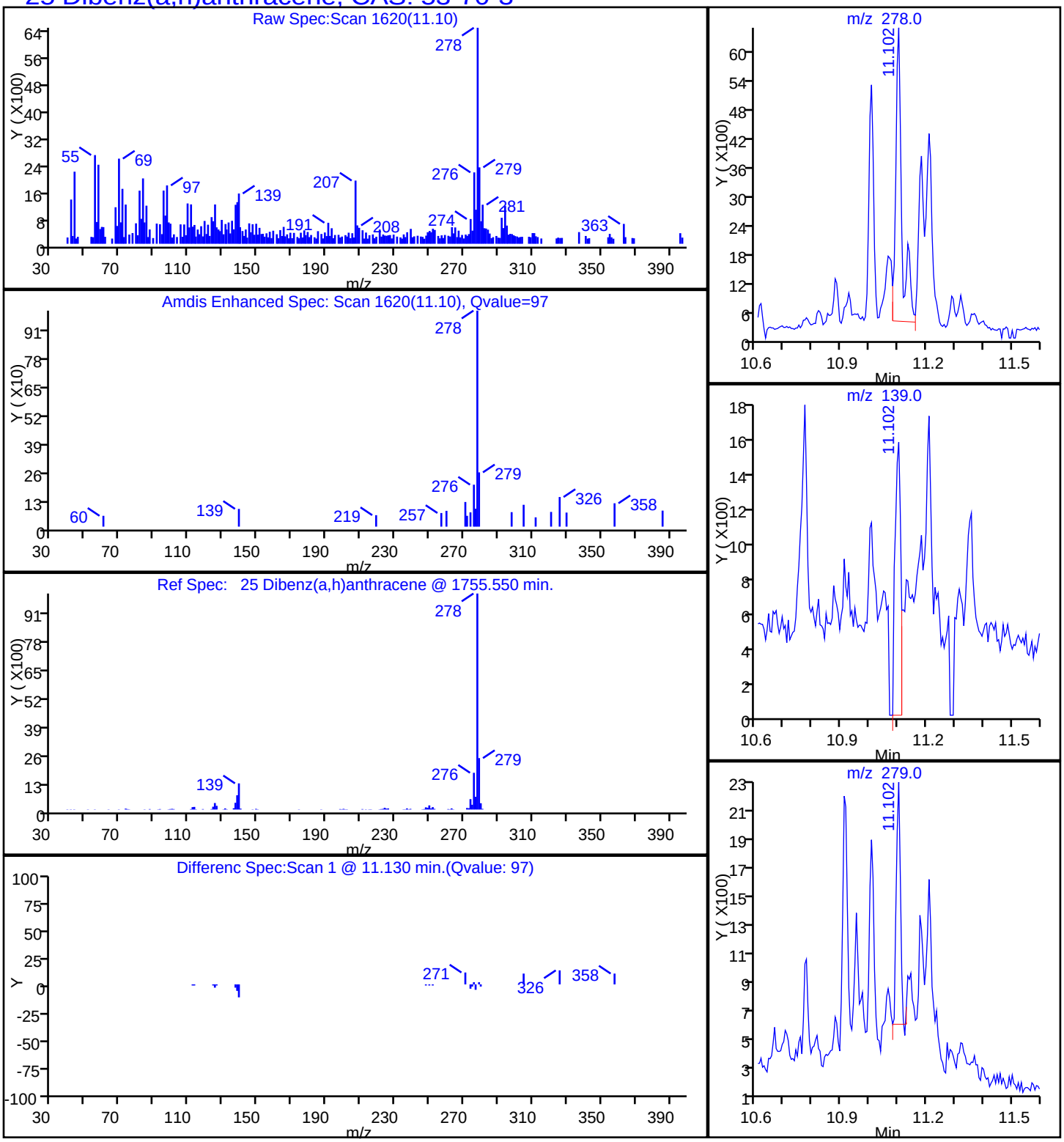


Report Date: 20-Oct-2014 09:22:21 Chrom Revision: 2.2 18-Aug-2014 12:17:36

TestAmerica Savannah

Data File:	\\SAVCHROM\ChromData\CMSY\20141017-13845.b\1YJ1728.D				
Injection Date:	17-Oct-2014 19:36:30	Instrument ID:	CMSY		
Lims ID:	680-106200-A-60-A	Lab Sample ID:	680-106200-60		
Client ID:	CV0613A-CS18				
Operator ID:	RM	ALS Bottle#:	28	Worklist Smp#:	28
Injection Vol:	2.0 ul	Dil. Factor:	1.0000		
Method:	8270D_LLPAH_MSY	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

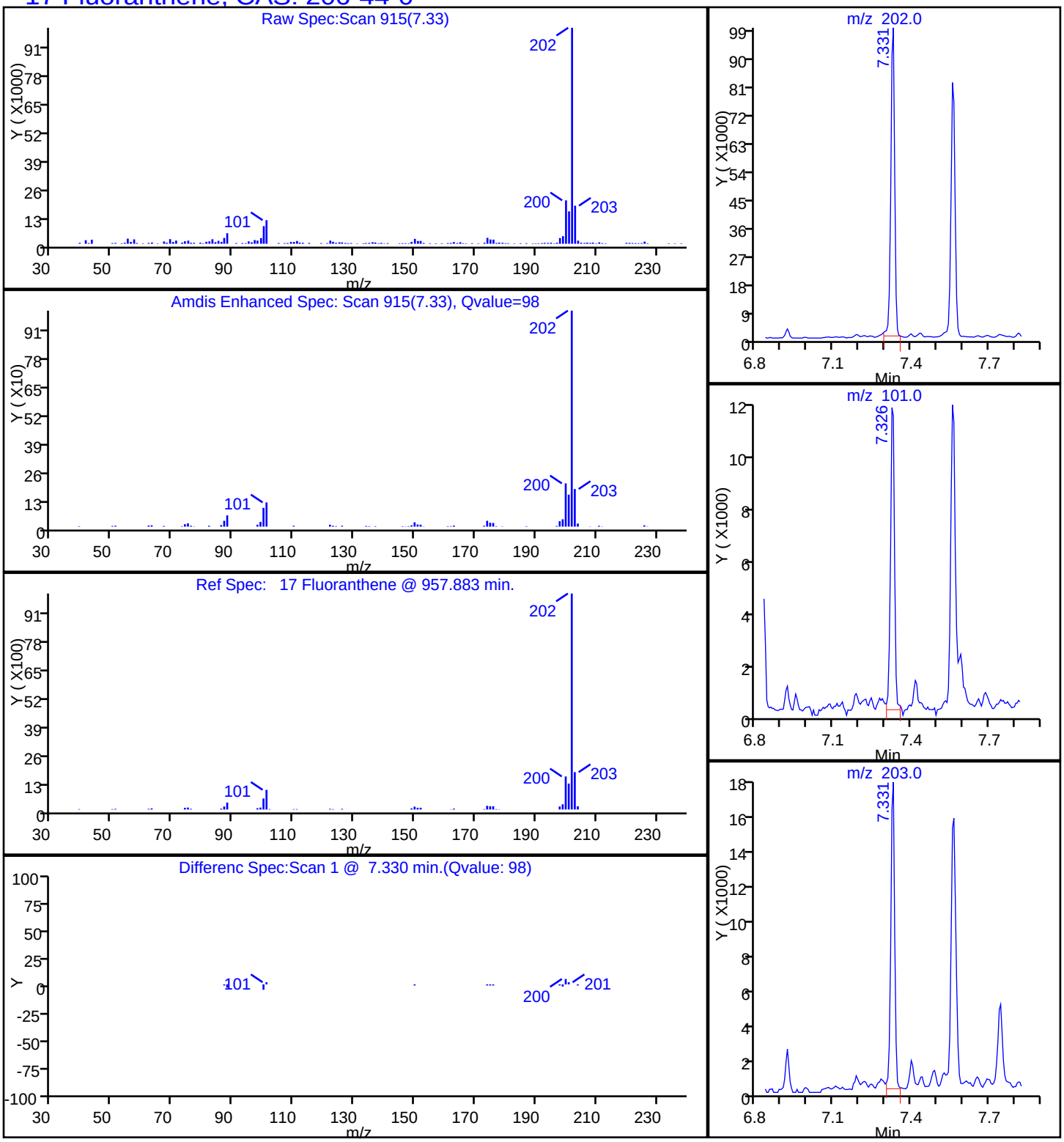


Report Date: 20-Oct-2014 09:22:20 Chrom Revision: 2.2 18-Aug-2014 12:17:36

TestAmerica Savannah

Data File:	\\SAVCHROM\ChromData\CMSY\20141017-13845.b\1YJ1728.D				
Injection Date:	17-Oct-2014 19:36:30	Instrument ID:	CMSY		
Lims ID:	680-106200-A-60-A	Lab Sample ID:	680-106200-60		
Client ID:	CV0613A-CS18				
Operator ID:	RM	ALS Bottle#:	28	Worklist Smp#:	28
Injection Vol:	2.0 ul	Dil. Factor:	1.0000		
Method:	8270D_LLPAH_MSY	Limit Group:	8270D_LL_PAH		
Column:	Restek RXi-5Sil MS (0.25 mm)	Detector	MS SCAN		

17 Fluoranthene, CAS: 206-44-0

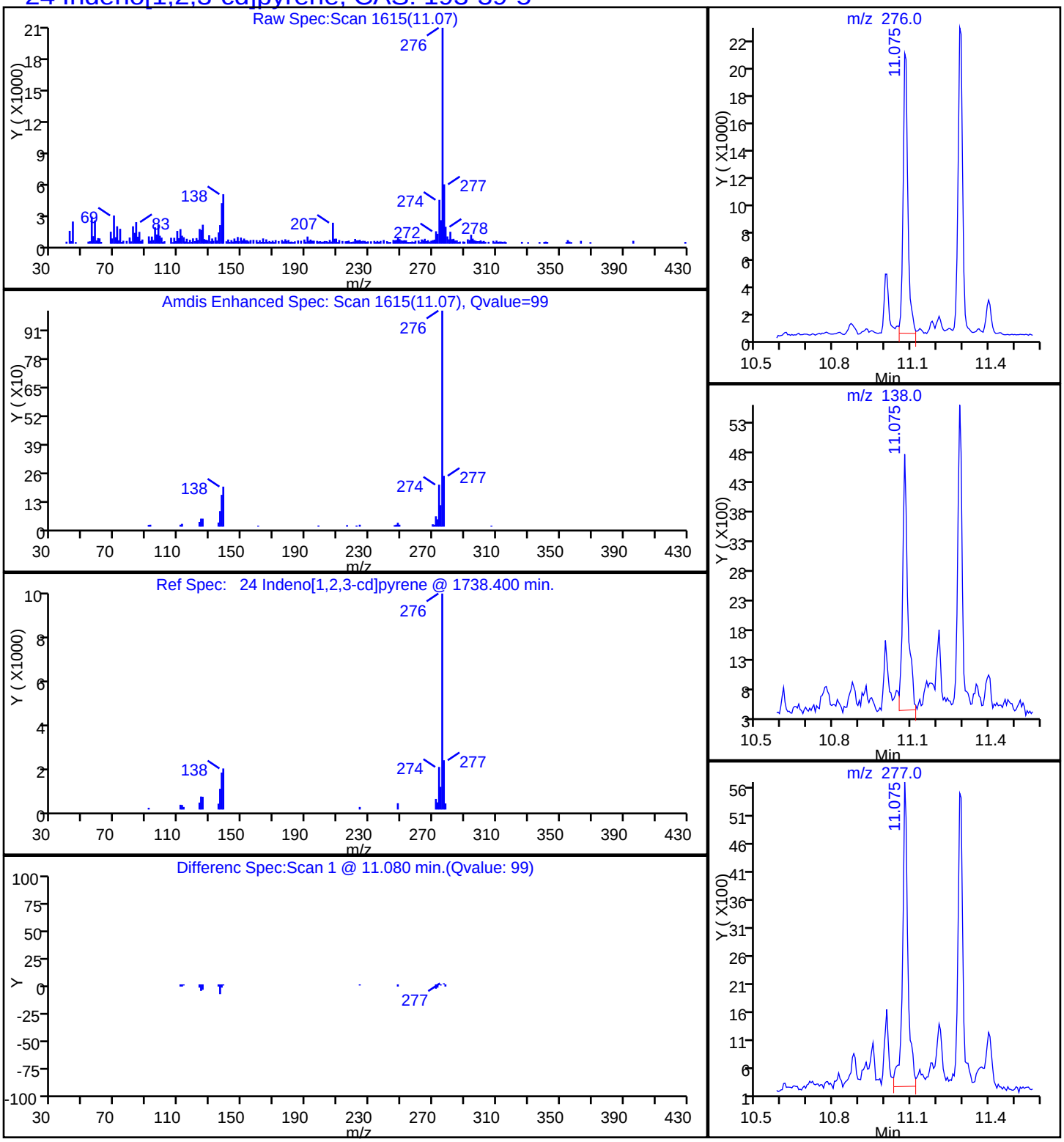


Report Date: 20-Oct-2014 09:22:21 Chrom Revision: 2.2 18-Aug-2014 12:17:36

TestAmerica Savannah

Data File:	\\SAVCHROM\ChromData\CMSY\20141017-13845.b\1YJ1728.D				
Injection Date:	17-Oct-2014 19:36:30	Instrument ID:	CMSY		
Lims ID:	680-106200-A-60-A	Lab Sample ID:	680-106200-60		
Client ID:	CV0613A-CS18				
Operator ID:	RM	ALS Bottle#:	28	Worklist Smp#:	28
Injection Vol:	2.0 ul	Dil. Factor:	1.0000		
Method:	8270D_LLPAH_MSY	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

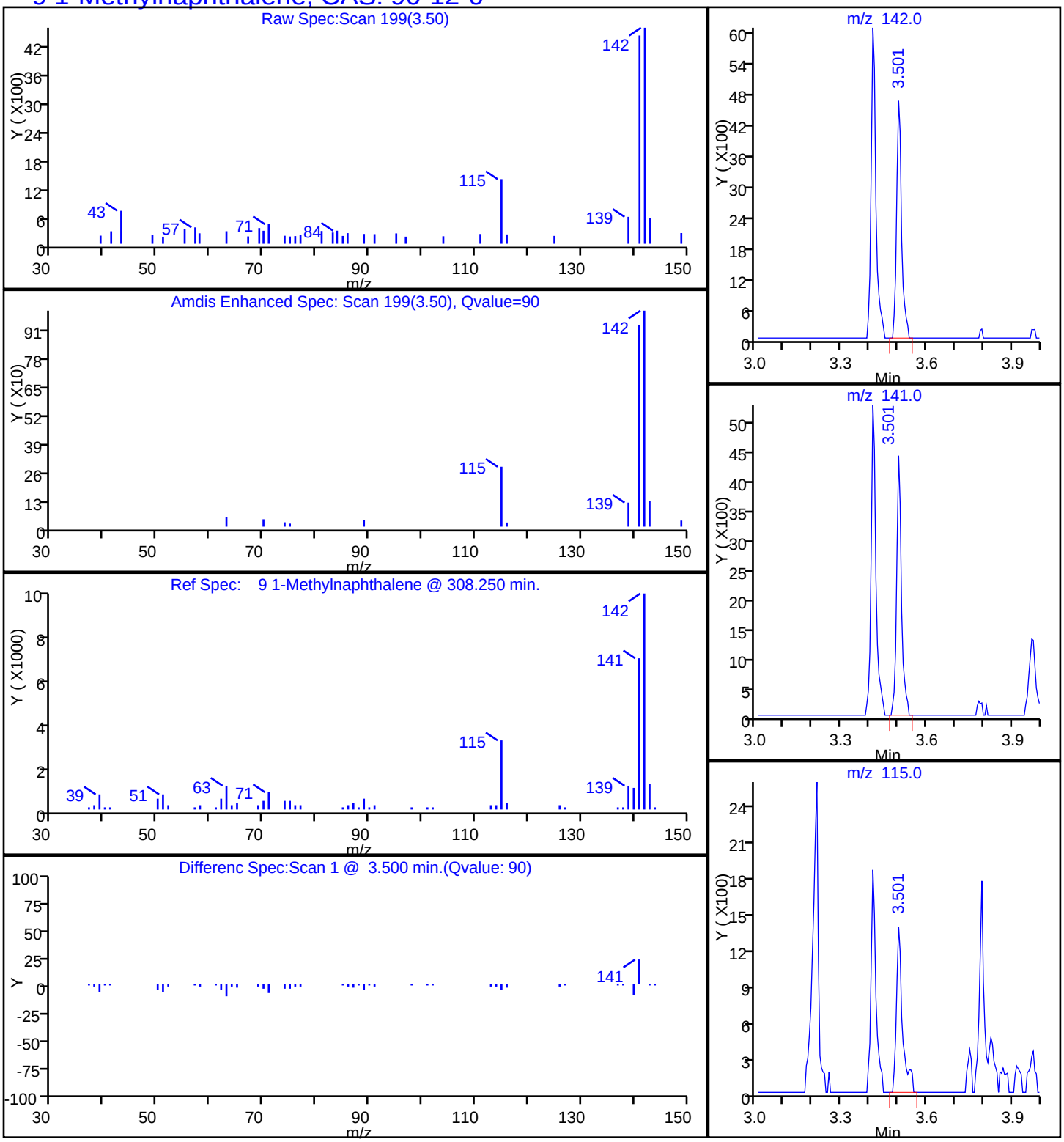


Report Date: 20-Oct-2014 09:22:20 Chrom Revision: 2.2 18-Aug-2014 12:17:36

TestAmerica Savannah

Data File:	\\SAVCHROM\ChromData\CMSY\20141017-13845.b\1YJ1728.D				
Injection Date:	17-Oct-2014 19:36:30	Instrument ID:	CMSY		
Lims ID:	680-106200-A-60-A	Lab Sample ID:	680-106200-60		
Client ID:	CV0613A-CS18				
Operator ID:	RM	ALS Bottle#:	28	Worklist Smp#:	28
Injection Vol:	2.0 ul	Dil. Factor:	1.0000		
Method:	8270D_LLPAH_MSY	Limit Group:	8270D_LL_PAH		
Column:	Restek RXi-5Sil MS (0.25 mm)	Detector	MS SCAN		

9 1-Methylnaphthalene, CAS: 90-12-0

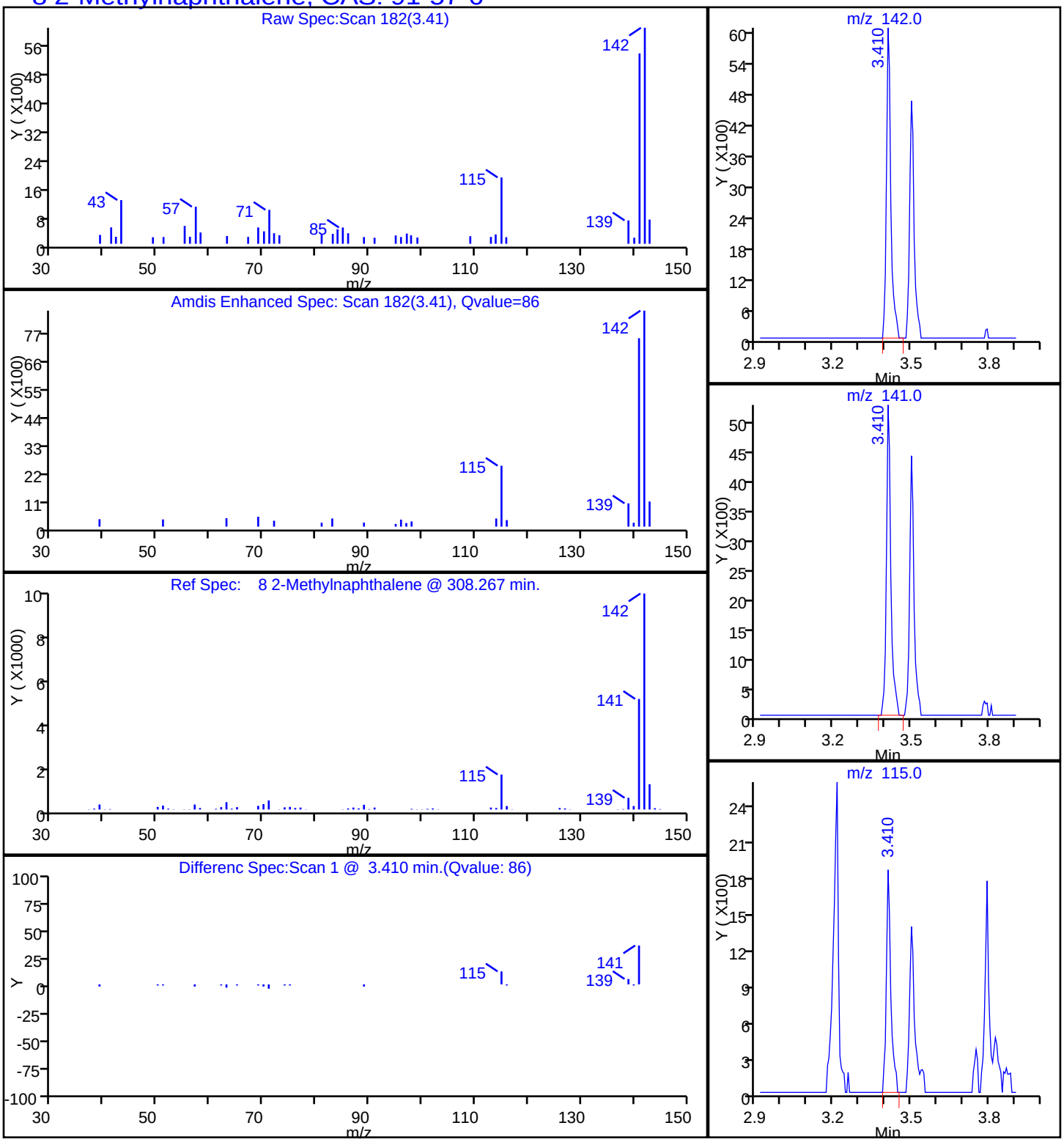


Report Date: 20-Oct-2014 09:22:20 Chrom Revision: 2.2 18-Aug-2014 12:17:36

TestAmerica Savannah

Data File:	\\SAVCHROM\ChromData\CMSY\20141017-13845.b\1YJ1728.D				
Injection Date:	17-Oct-2014 19:36:30	Instrument ID:	CMSY		
Lims ID:	680-106200-A-60-A	Lab Sample ID:	680-106200-60		
Client ID:	CV0613A-CS18				
Operator ID:	RM	ALS Bottle#:	28	Worklist Smp#:	28
Injection Vol:	2.0 ul	Dil. Factor:	1.0000		
Method:	8270D_LLPAH_MSY	Limit Group:	8270D_LL_PAH		
Column:	Restek RXi-5Sil MS (0.25 mm)	Detector	MS SCAN		

8 2-Methylnaphthalene, CAS: 91-57-6

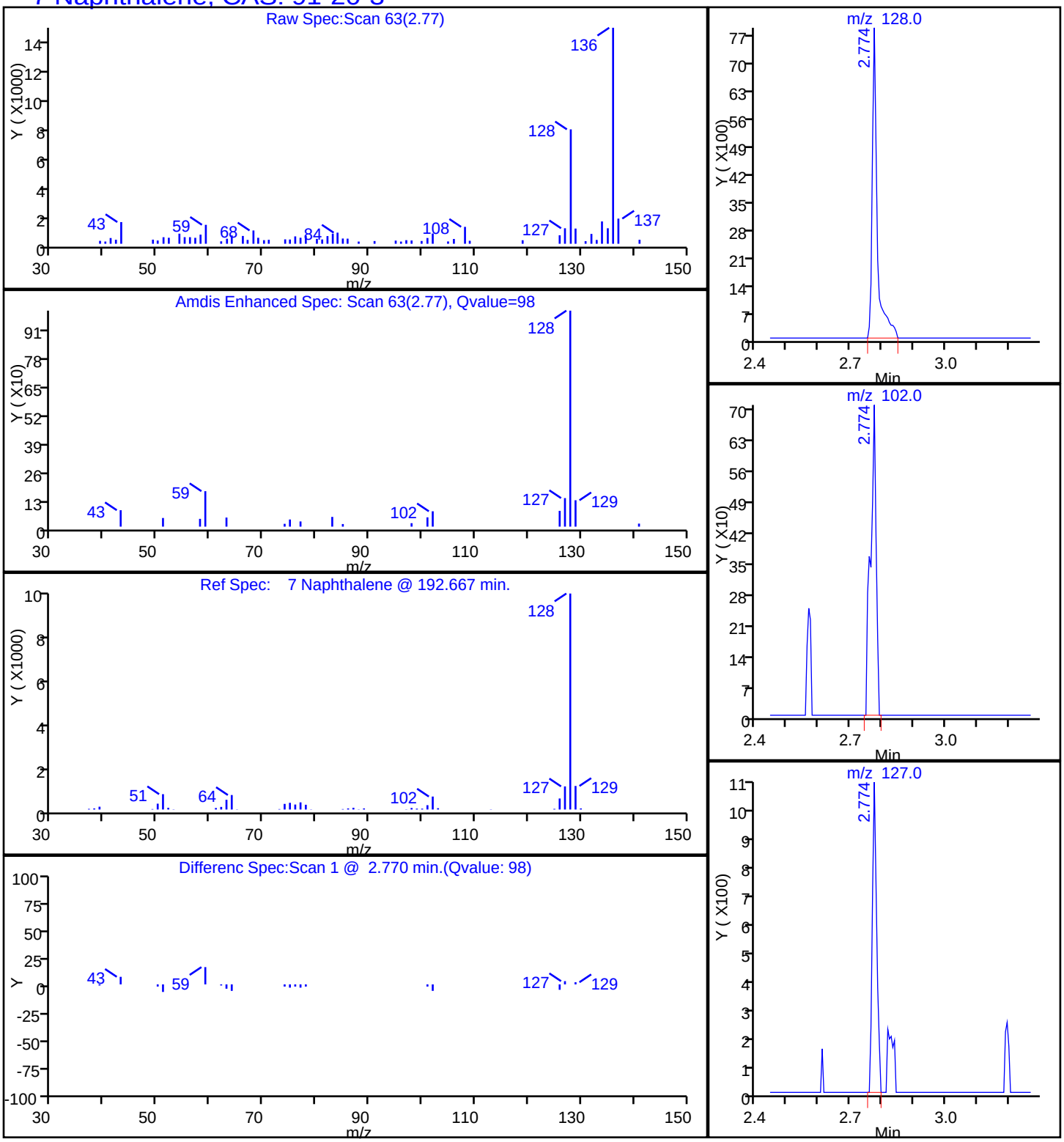


Report Date: 20-Oct-2014 09:22:20 Chrom Revision: 2.2 18-Aug-2014 12:17:36

TestAmerica Savannah

Data File:	\\SAVCHROM\ChromData\CMSY\20141017-13845.b\1YJ1728.D				
Injection Date:	17-Oct-2014 19:36:30	Instrument ID:	CMSY		
Lims ID:	680-106200-A-60-A	Lab Sample ID:	680-106200-60		
Client ID:	CV0613A-CS18				
Operator ID:	RM	ALS Bottle#:	28	Worklist Smp#:	28
Injection Vol:	2.0 ul	Dil. Factor:	1.0000		
Method:	8270D_LLPAH_MSY	Limit Group:	8270D_LL_PAH		
Column:	Restek RXi-5Sil MS (0.25 mm)	Detector	MS SCAN		

7 Naphthalene, CAS: 91-20-3

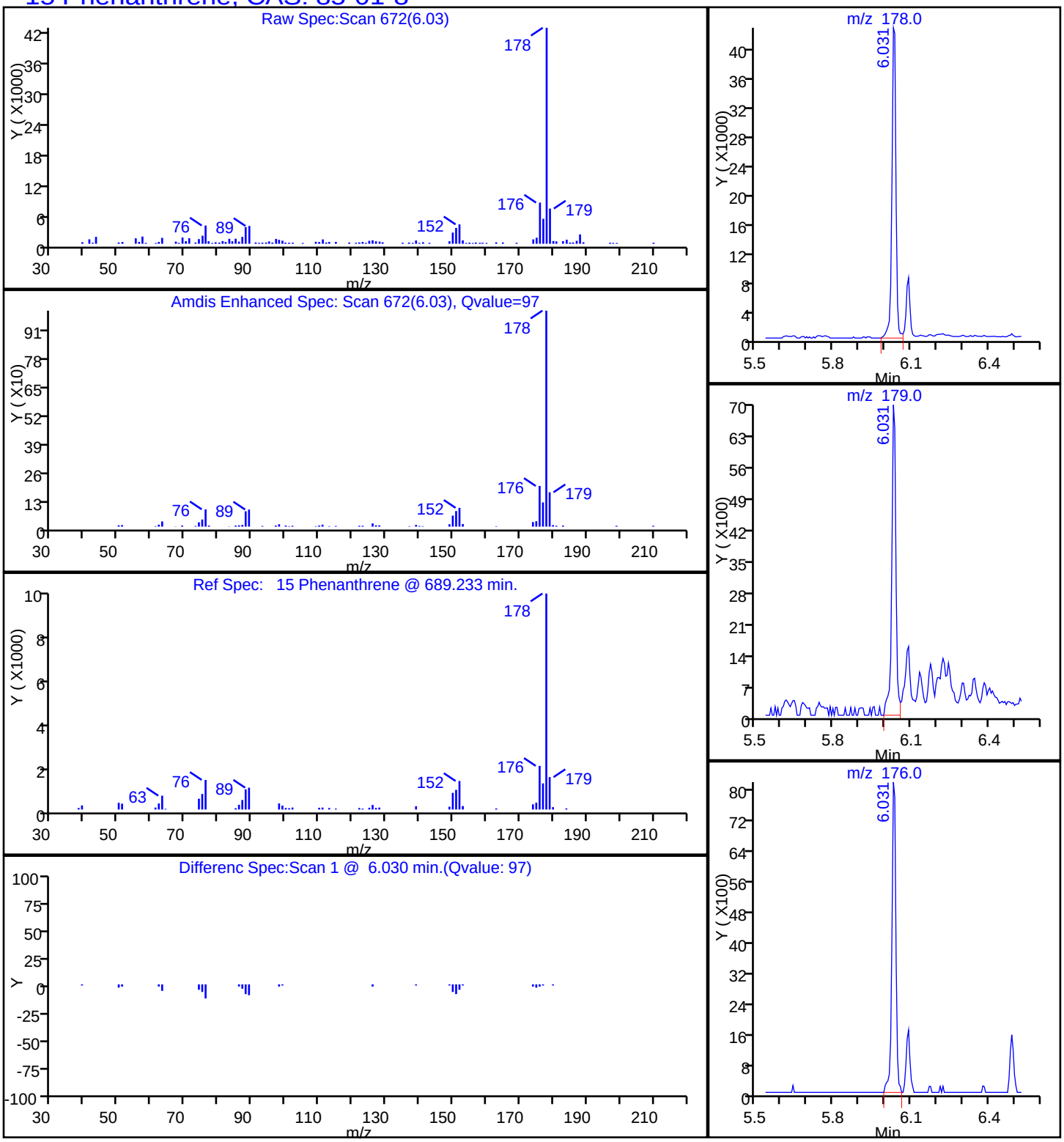


Report Date: 20-Oct-2014 09:22:20 Chrom Revision: 2.2 18-Aug-2014 12:17:36

TestAmerica Savannah

Data File:	\\SAVCHROM\ChromData\CMSY\20141017-13845.b\1YJ1728.D				
Injection Date:	17-Oct-2014 19:36:30	Instrument ID:	CMSY		
Lims ID:	680-106200-A-60-A	Lab Sample ID:	680-106200-60		
Client ID:	CV0613A-CS18				
Operator ID:	RM	ALS Bottle#:	28	Worklist Smp#:	28
Injection Vol:	2.0 ul	Dil. Factor:	1.0000		
Method:	8270D_LLPAH_MSY	Limit Group:	8270D_LL_PAH		
Column:	Restek RXi-5Sil MS (0.25 mm)	Detector	MS SCAN		

15 Phenanthrene, CAS: 85-01-8

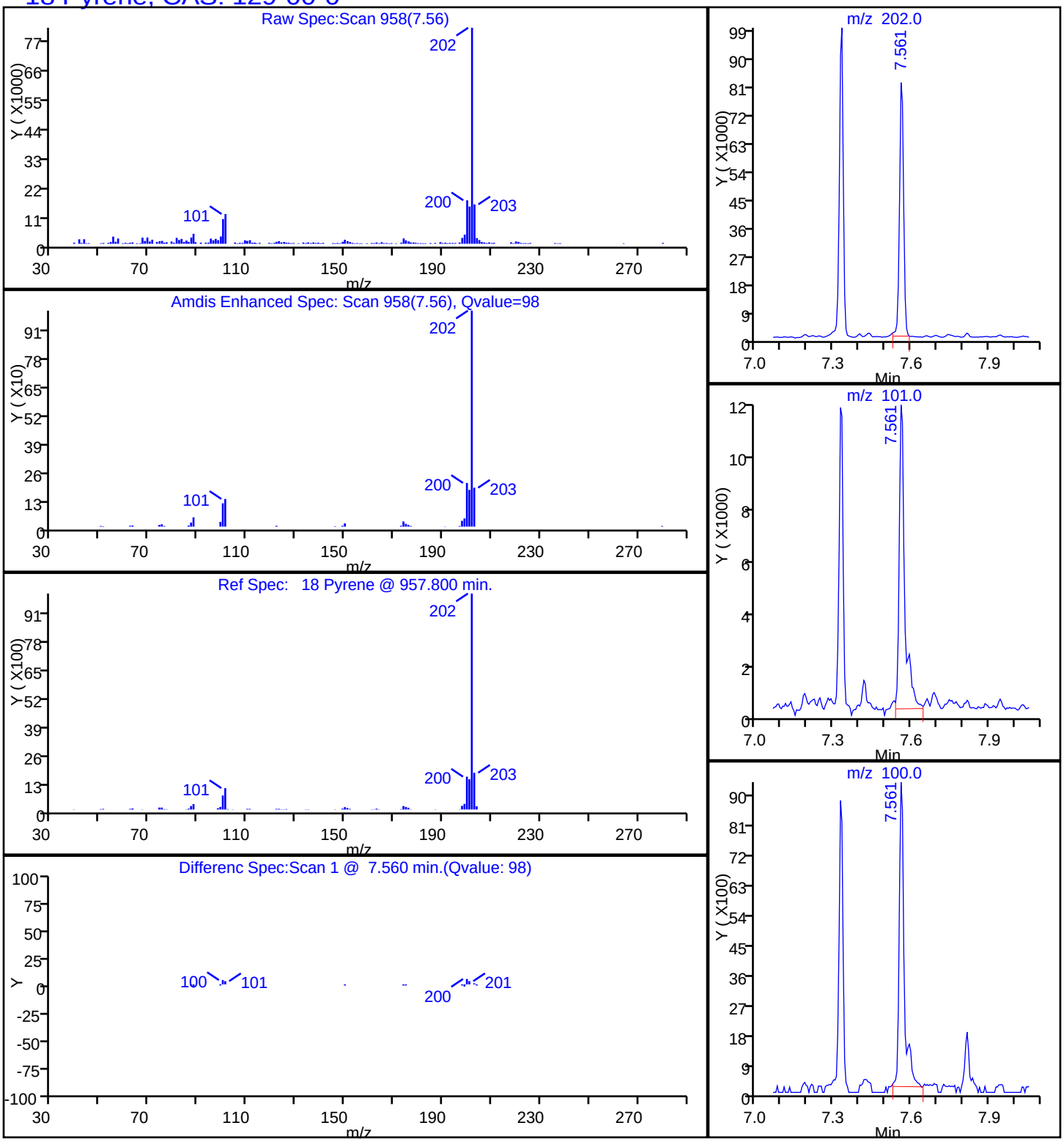


Report Date: 20-Oct-2014 09:22:20 Chrom Revision: 2.2 18-Aug-2014 12:17:36

TestAmerica Savannah

Data File:	\\SAVCHROM\ChromData\CMSY\20141017-13845.b\1YJ1728.D				
Injection Date:	17-Oct-2014 19:36:30	Instrument ID:	CMSY		
Lims ID:	680-106200-A-60-A	Lab Sample ID:	680-106200-60		
Client ID:	CV0613A-CS18				
Operator ID:	RM	ALS Bottle#:	28	Worklist Smp#:	28
Injection Vol:	2.0 ul	Dil. Factor:	1.0000		
Method:	8270D_LLPAH_MSY	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

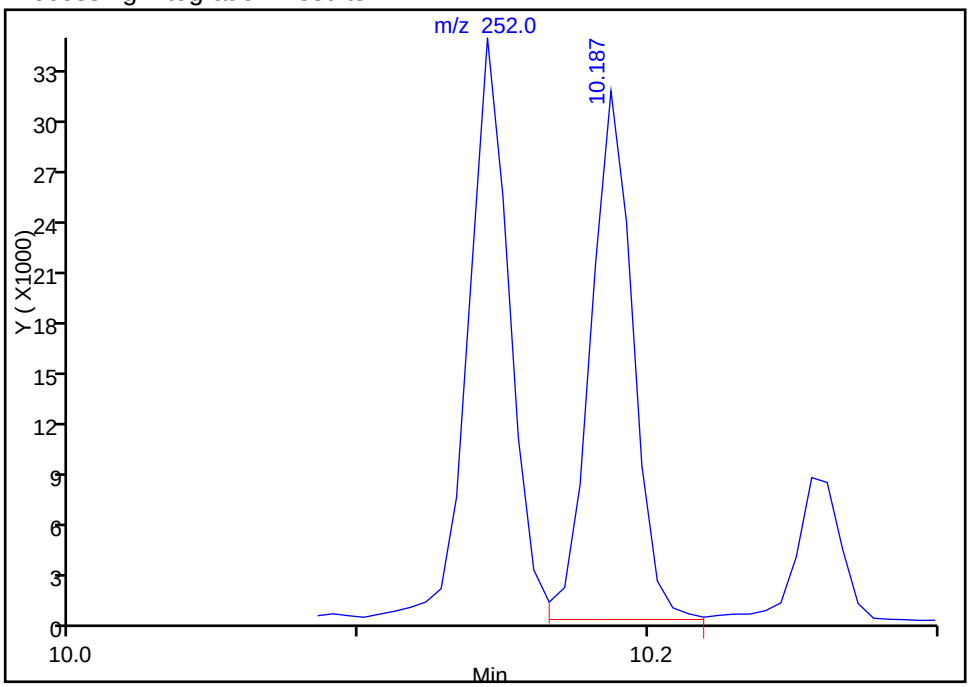
TestAmerica Savannah

Data File:	\\SAVCHROM\ChromData\CMSY\20141017-13845.b\1YJ1728.D				
Injection Date:	17-Oct-2014 19:36:30	Instrument ID:	CMSY		
Lims ID:	680-106200-A-60-A	Lab Sample ID:	680-106200-60		
Client ID:	CV0613A-CS18				
Operator ID:	RM	ALS Bottle#:	28	Worklist Smp#:	28
Injection Vol:	2.0 ul	Dil. Factor:	1.0000		
Method:	8270D_LLPAH_MSY	Limit Group:	8270D_LL_PAH		
Column:	Restek RXi-5Sil MS (0.25 mm)	Detector	MS SCAN		

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

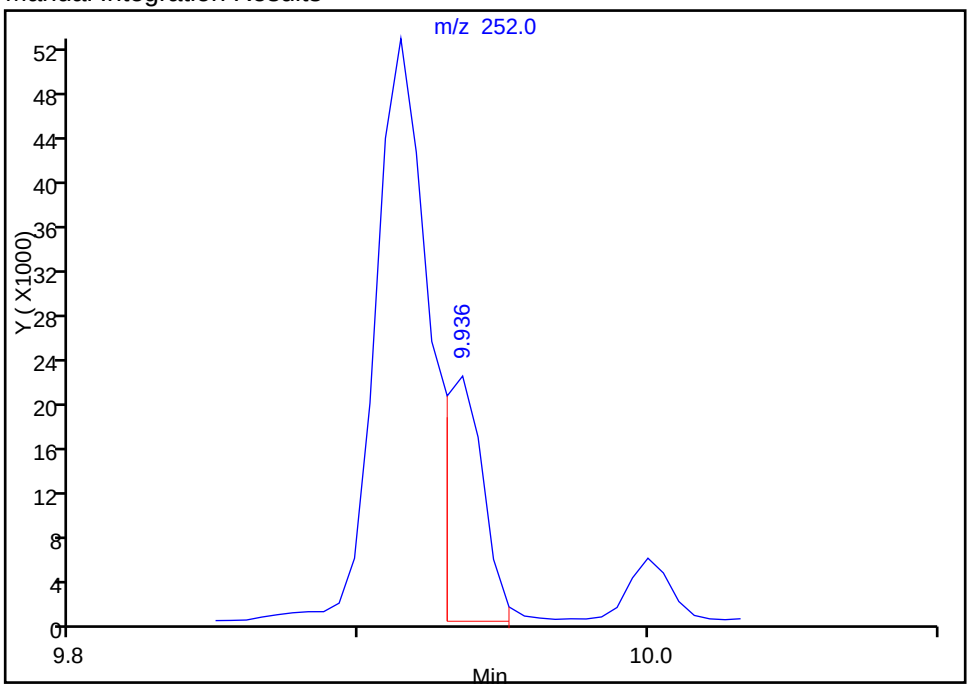
Processing Integration Results

RT: 10.19
Response: 31597
Amount: 0.658380



Manual Integration Results

RT: 9.94
Response: 20964
Amount: 0.436410



Reviewer: webbk, 20-Oct-2014 09:16:14
Audit Action: Manually Integrated
Audit Reason: Split Peak

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Savannah | Job No.: 680-106200-4

SDG No.: 680-106200-04

Client Sample ID: CV0613A-CS24 | Lab Sample ID: 680-106200-61

Matrix: Solid | Lab File ID: 1YJ1729.D

Analysis Method: 8270D_LL_PAH | Date Collected: 10/07/2014 13:30

Extract. Method: 3546 | Date Extracted: 10/15/2014 14:21

Sample wt/vol: 30.01(g) | Date Analyzed: 10/17/2014 19:58

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

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

% Moisture: 12.8 | GPC Cleanup:(Y/N) N

Analysis Batch No.: 354069 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
83-32-9	Acenaphthene	7.7	U	7.7	3.8
208-96-8	Acenaphthylene	7.7	U	7.7	3.8
120-12-7	Anthracene	7.7	U	7.7	3.8
56-55-3	Benzo[a]anthracene	7.7	U	7.7	3.8
50-32-8	Benzo[a]pyrene	3.7	J	7.7	1.4
205-99-2	Benzo[b]fluoranthene	5.7	J	7.7	3.8
191-24-2	Benzo[g,h,i]perylene	3.8	J	7.7	3.8
207-08-9	Benzo[k]fluoranthene	2.9	J	7.7	2.3
218-01-9	Chrysene	4.2	J	7.7	3.8
53-70-3	Dibenz(a,h)anthracene	7.7	U	7.7	3.8
206-44-0	Fluoranthene	7.7	U	7.7	3.8
86-73-7	Fluorene	7.7	U	7.7	3.8
193-39-5	Indeno[1,2,3-cd]pyrene	7.7	U	7.7	3.8
90-12-0	1-Methylnaphthalene	7.7	U	7.7	3.6
91-57-6	2-Methylnaphthalene	7.7	U	7.7	3.8
91-20-3	Naphthalene	7.7	U	7.7	3.8
85-01-8	Phenanthrene	7.7	U	7.7	2.8
129-00-0	Pyrene	4.3	J	7.7	3.8

CAS NO.	SURROGATE	%REC	Q	LIMITS
84-15-1	o-Terphenyl	102		36-131

TestAmerica Savannah
Target Compound Quantitation Report

Data File: \\SAVCHROM\ChromData\CMSY\20141017-13845.b\1YJ1729.D
Lims ID: 680-106200-A-61-A Lab Sample ID: 680-106200-61
Client ID: CV0613A-CS24
Sample Type: Client
Inject. Date: 17-Oct-2014 19:58:30 ALS Bottle#: 29 Worklist Smp#: 29
Injection Vol: 2.0 ul Dil. Factor: 1.0000
Sample Info: 106200-A-61-A
Misc. Info.: 680-0013845-029
Operator ID: RM Instrument ID: CMSY

Method: \\SAVCHROM\ChromData\CMSY\20141017-13845.b\8270D_LLPAH_MSY.m
Limit Group: 8270D_LL_PAH
Last Update: 20-Oct-2014 09:21:49 Calib Date: 07-Oct-2014 15:41:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\SAVCHROM\ChromData\CMSY\20141007-13559.b\3YJ0707.D

Column 1 : Restek RXi-5Sil MS (0.25 mm) Det: MS SCAN
Process Host: XAWRK024

First Level Reviewer: webbk Date: 20-Oct-2014 09:16:56

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/ml	Flags
* 1 Naphthalene-d8	136	2.758	2.753	0.005	98	131634	2.00	
* 2 Acenaphthene-d10	164	4.443	4.437	0.006	92	74958	2.00	
* 3 Phenanthrene-d10	188	6.010	6.005	0.006	98	126312	2.00	
* 4 Chrysene-d12	240	8.882	8.877	0.005	99	94332	2.00	
* 5 Perylene-d12	264	10.235	10.225	0.010	99	68525	2.00	
$ 6 o-Terphenyl	230	6.491	6.491	0.000	92	61554	2.03	
17 Fluoranthene	202	7.326	7.320	0.006	97	7332	0.0915	
18 Pyrene	202	7.561	7.556	0.005	88	6959	0.1126	
19 Benzo[a]anthracene	228	8.877	8.866	0.011	98	4846	0.0878	
20 Chrysene	228	8.909	8.903	0.006	99	5740	0.1089	
21 Benzo[b]fluoranthene	252	9.914	9.904	0.010	96	6777	0.1504	
22 Benzo[k]fluoranthene	252	9.930	9.930	0.000	96	3272	0.0747	M
23 Benzo[a]pyrene	252	10.187	10.176	0.011	82	3636	0.0981	
26 Benzo[g,h,i]perylene	276	11.289	11.273	0.016	96	3374	0.0999	

QC Flag Legend

Review Flags
M - Manually Integrated

Reagents:

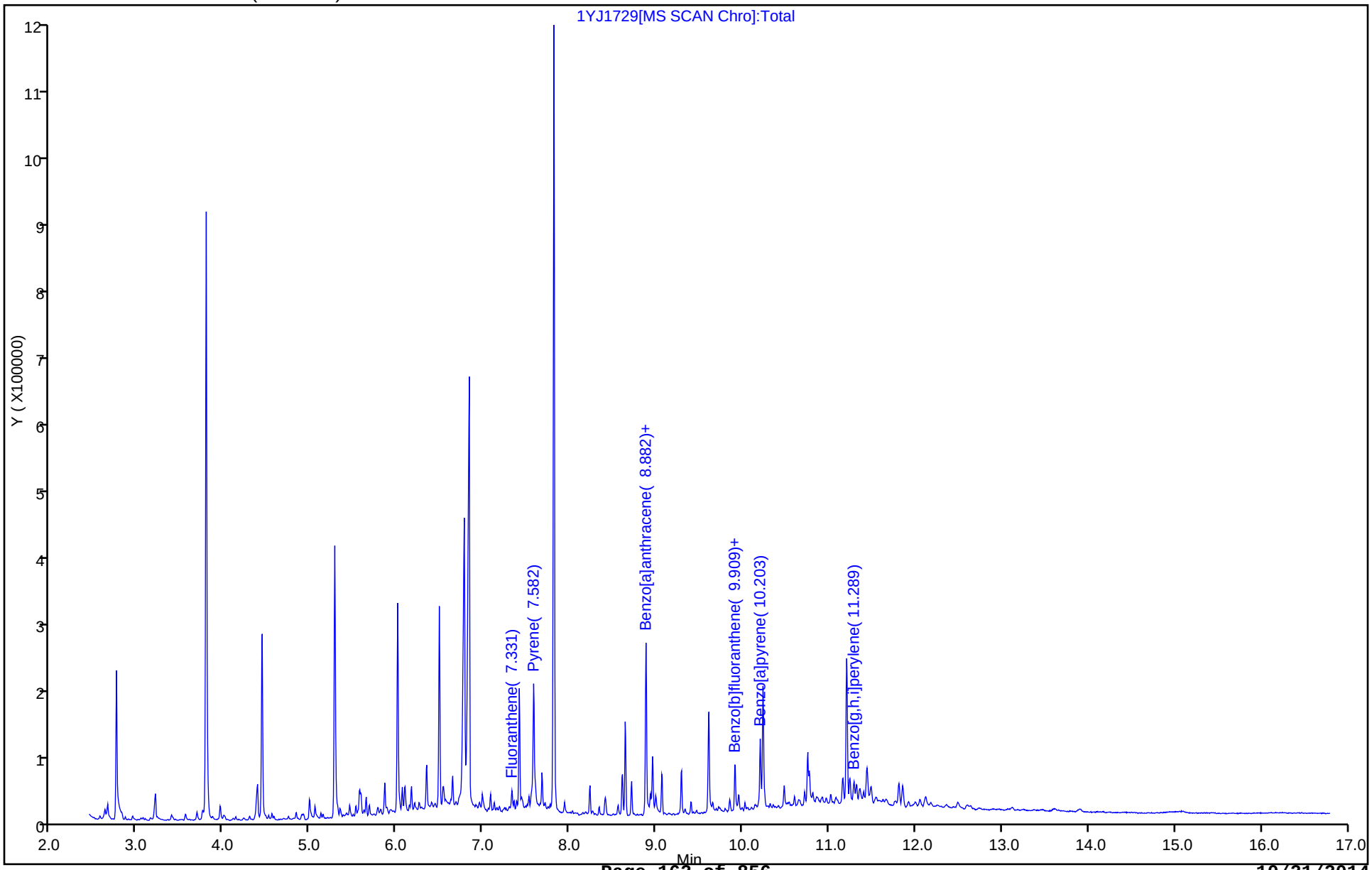
SM-LLISTD_00106 Amount Added: 10.00 Units: uL Run Reagent

Report Date: 20-Oct-2014 09:22:21 Chrom Revision: 2.2 18-Aug-2014 12:17:36

TestAmerica Savannah

Data File:	\\SAVCHROM\ChromData\CMSY\20141017-13845.b\1YJ1729.D				
Injection Date:	17-Oct-2014 19:58:30	Instrument ID:	CMSY	Operator ID:	RM
Lims ID:	680-106200-A-61-A	Lab Sample ID:	680-106200-61	Worklist Smp#:	29
Client ID:	CV0613A-CS24				
Injection Vol:	2.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	29
Method:	8270D_LLPAH_MSY	Limit Group:	8270D_LL_PAH		

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

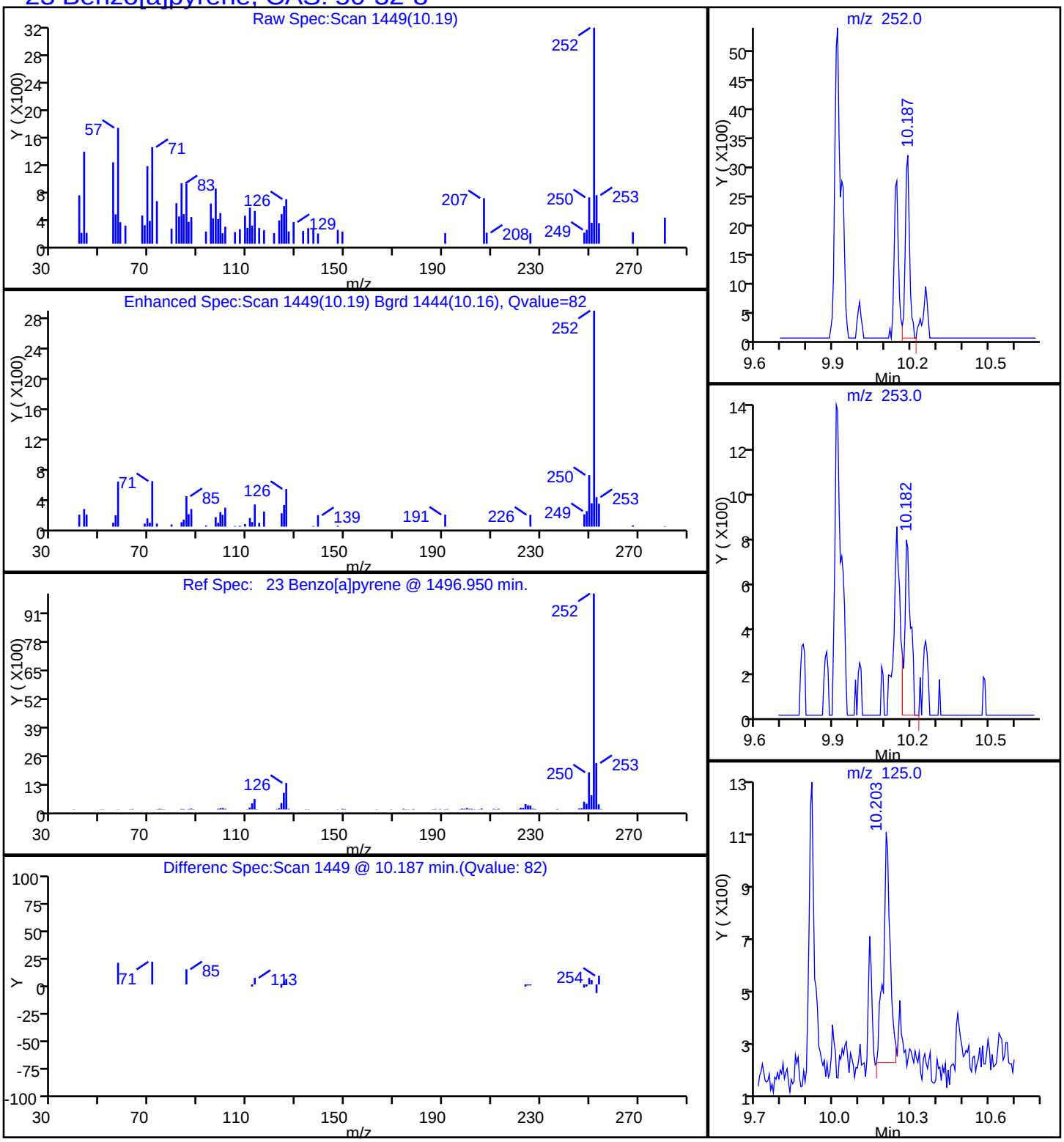


Report Date: 20-Oct-2014 09:22:21 Chrom Revision: 2.2 18-Aug-2014 12:17:36

TestAmerica Savannah

Data File:	\\SAVCHROM\ChromData\CMSY\20141017-13845.b\1YJ1729.D				
Injection Date:	17-Oct-2014 19:58:30	Instrument ID:	CMSY		
Lims ID:	680-106200-A-61-A	Lab Sample ID:	680-106200-61		
Client ID:	CV0613A-CS24				
Operator ID:	RM	ALS Bottle#:	29	Worklist Smp#:	29
Injection Vol:	2.0 ul	Dil. Factor:	1.0000		
Method:	8270D_LLPAH_MSY	Limit Group:	8270D_LL_PAH		
Column:	Restek RXi-5Sil MS (0.25 mm)	Detector	MS SCAN		

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

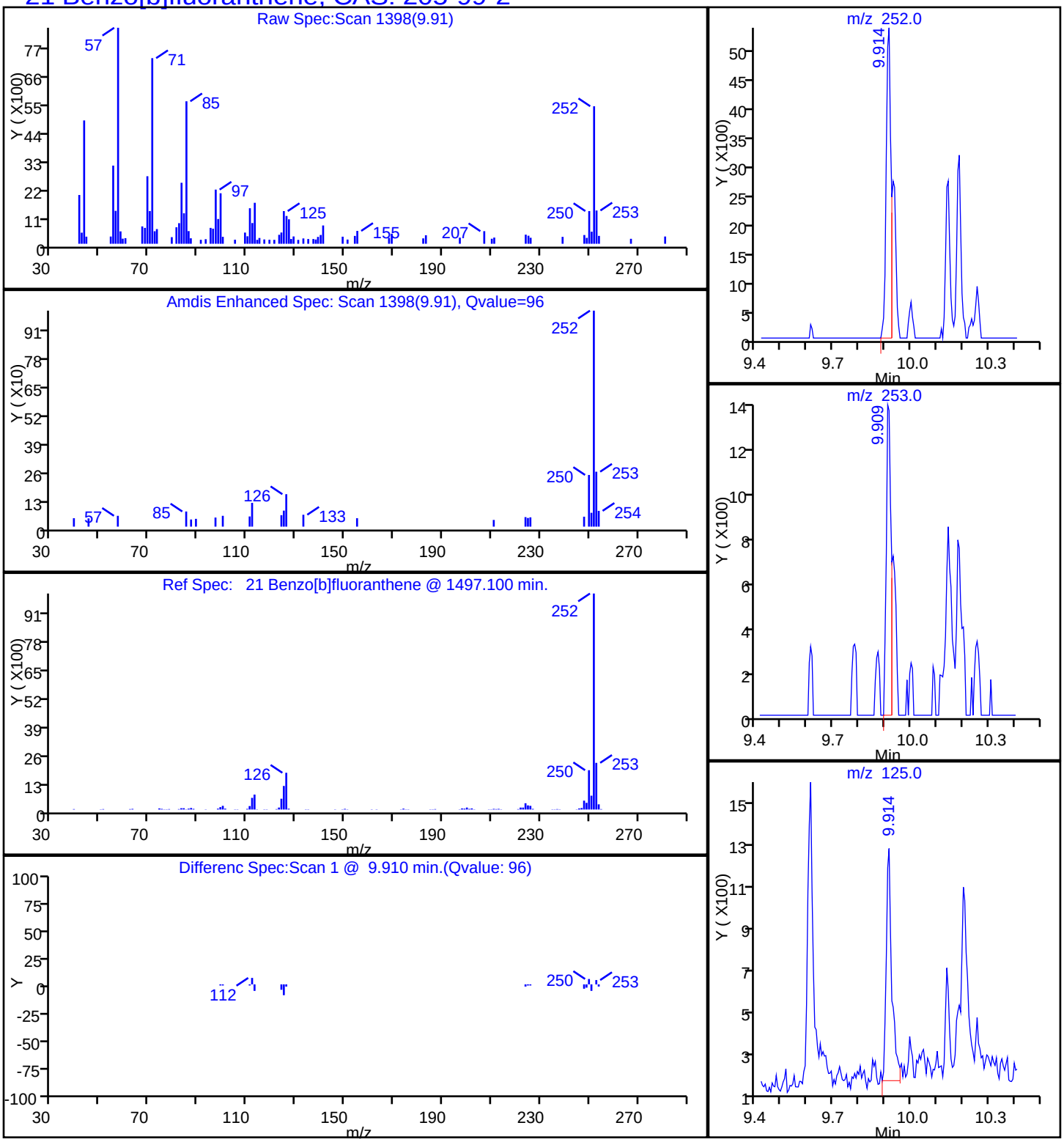


Report Date: 20-Oct-2014 09:22:21 Chrom Revision: 2.2 18-Aug-2014 12:17:36

TestAmerica Savannah

Data File:	\\SAVCHROM\ChromData\CMSY\20141017-13845.b\1YJ1729.D				
Injection Date:	17-Oct-2014 19:58:30	Instrument ID:	CMSY		
Lims ID:	680-106200-A-61-A	Lab Sample ID:	680-106200-61		
Client ID:	CV0613A-CS24				
Operator ID:	RM	ALS Bottle#:	29	Worklist Smp#:	29
Injection Vol:	2.0 ul	Dil. Factor:	1.0000		
Method:	8270D_LLPAH_MSY	Limit Group:	8270D_LL_PAH		
Column:	Restek RXi-5Sil MS (0.25 mm)	Detector	MS SCAN		

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

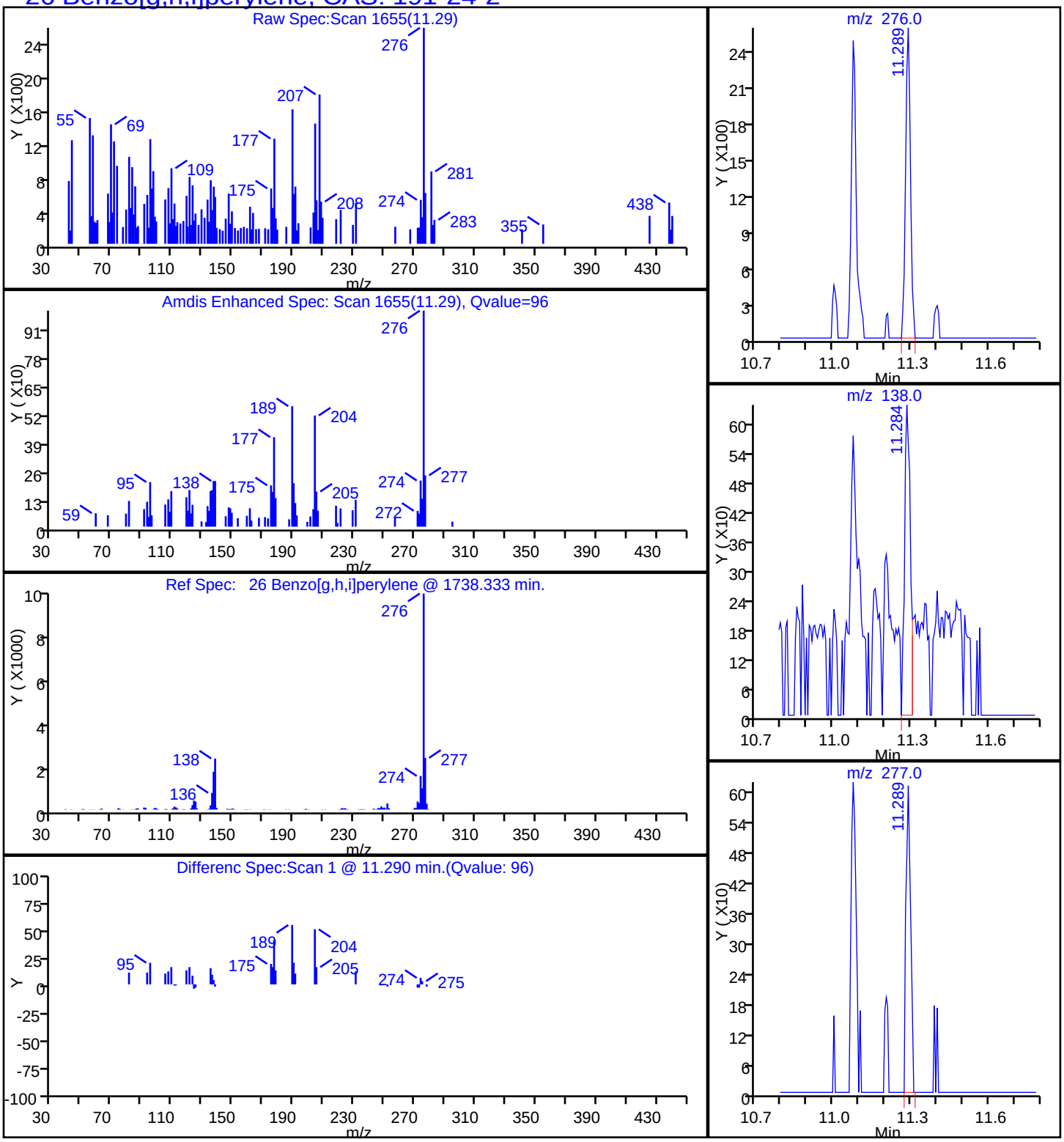


Report Date: 20-Oct-2014 09:22:21 Chrom Revision: 2.2 18-Aug-2014 12:17:36

TestAmerica Savannah

Data File:	\\SAVCHROM\ChromData\CMSY\20141017-13845.b\1YJ1729.D				
Injection Date:	17-Oct-2014 19:58:30	Instrument ID:	CMSY		
Lims ID:	680-106200-A-61-A	Lab Sample ID:	680-106200-61		
Client ID:	CV0613A-CS24				
Operator ID:	RM	ALS Bottle#:	29	Worklist Smp#:	29
Injection Vol:	2.0 ul	Dil. Factor:	1.0000		
Method:	8270D_LLPAH_MSY	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

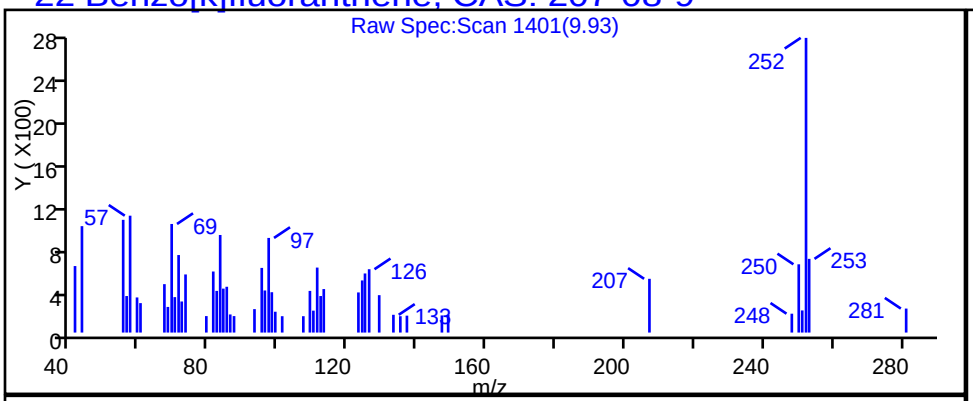


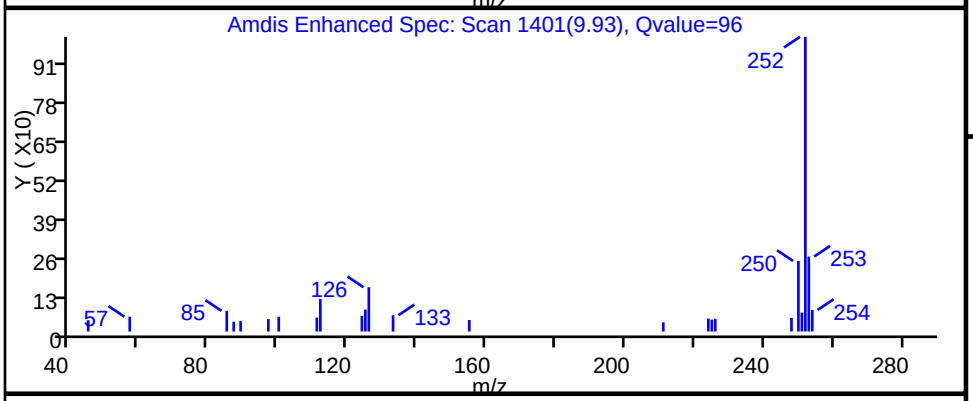
Report Date: 20-Oct-2014 09:22:21 Chrom Revision: 2.2 18-Aug-2014 12:17:36

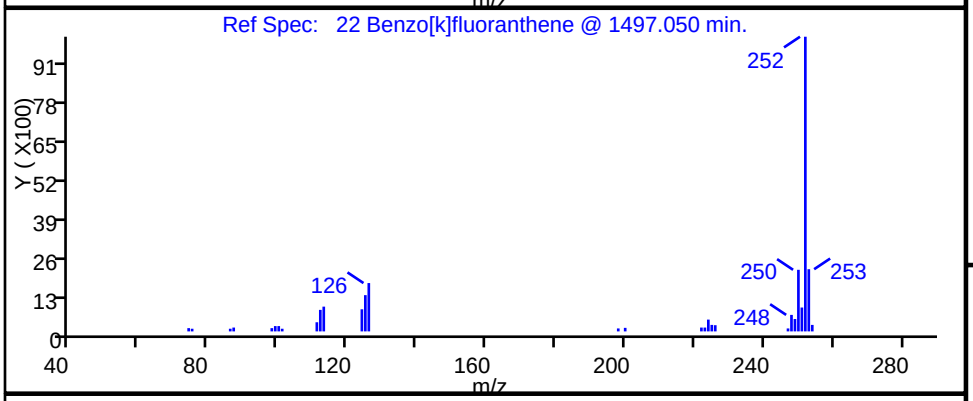
TestAmerica Savannah

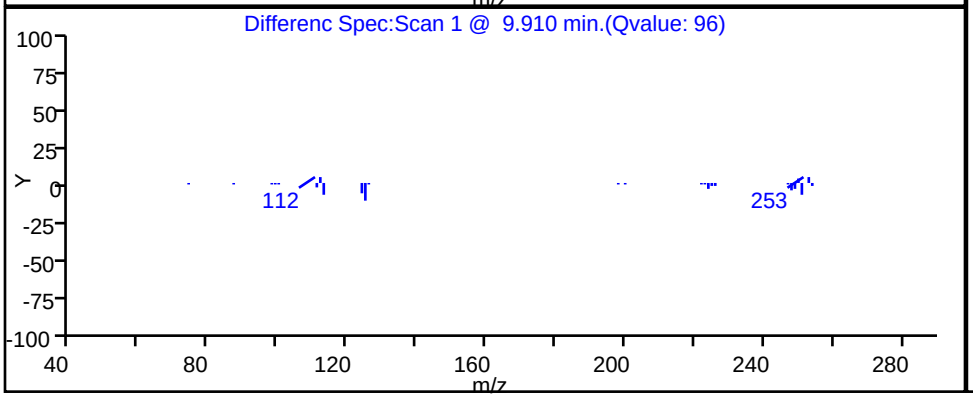
Data File:	\\SAVCHROM\ChromData\CMSY\20141017-13845.b\1YJ1729.D				
Injection Date:	17-Oct-2014 19:58:30	Instrument ID:	CMSY		
Lims ID:	680-106200-A-61-A	Lab Sample ID:	680-106200-61		
Client ID:	CV0613A-CS24				
Operator ID:	RM	ALS Bottle#:	29	Worklist Smp#:	29
Injection Vol:	2.0 ul	Dil. Factor:	1.0000		
Method:	8270D_LLPAH_MSY	Limit Group:	8270D_LL_PAH		
Column:	Restek RXi-5Sil MS (0.25 mm)	Detector	MS SCAN		

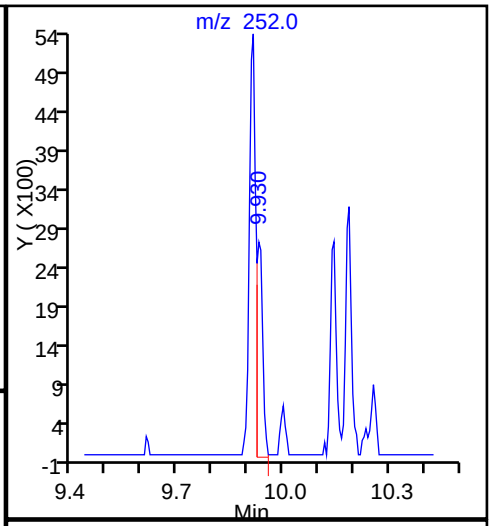
22 Benzo[k]fluoranthene, CAS: 207-08-9

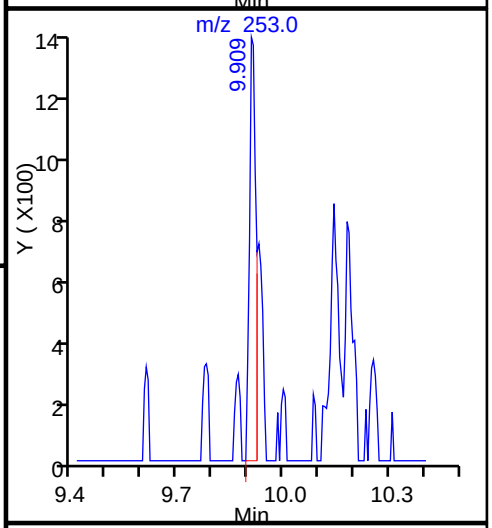


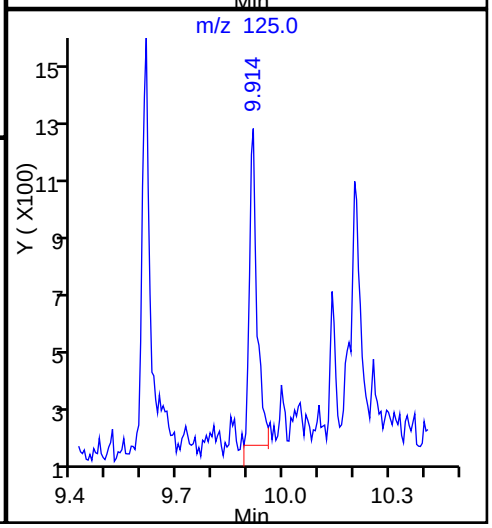










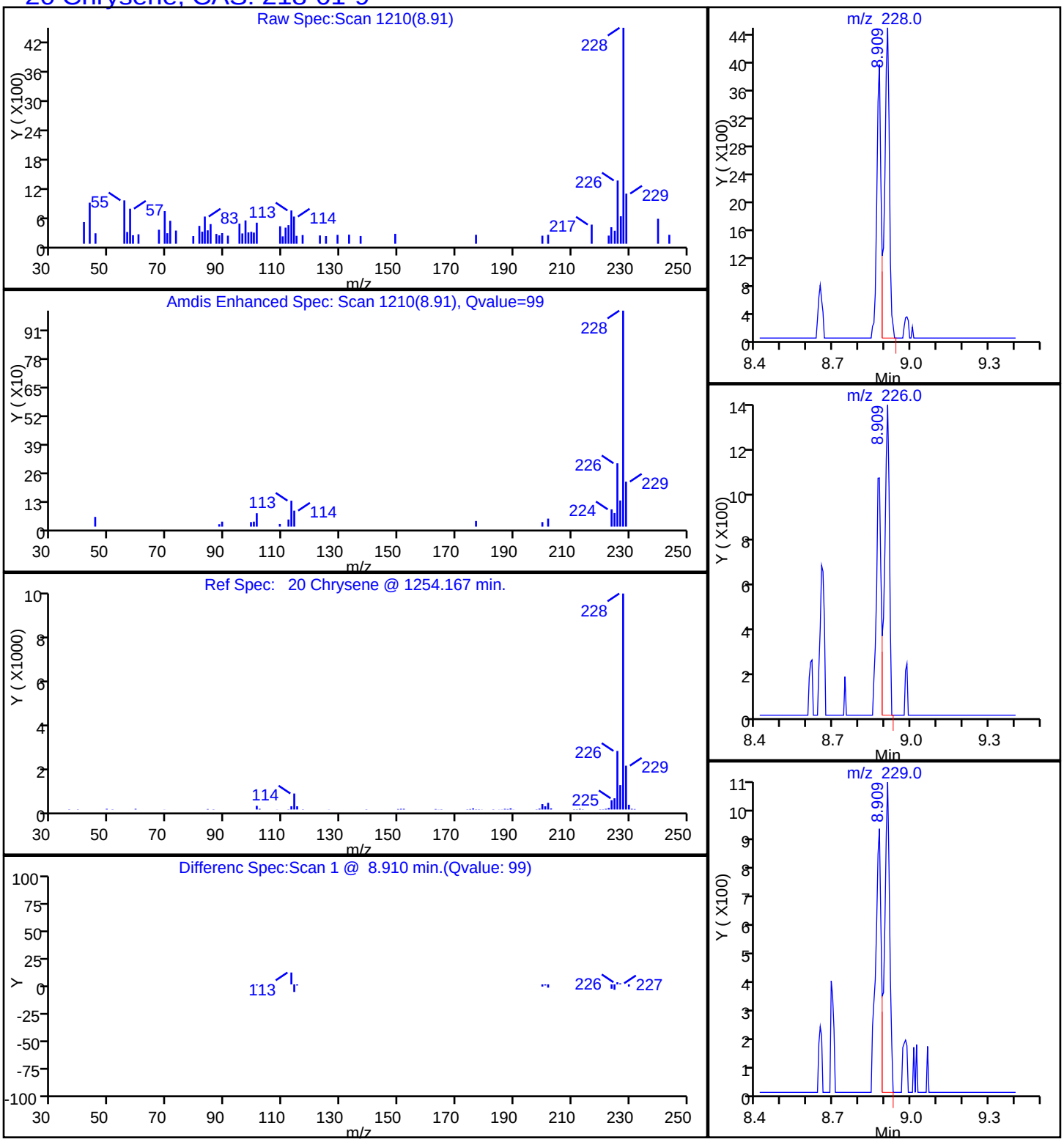


Report Date: 20-Oct-2014 09:22:21 Chrom Revision: 2.2 18-Aug-2014 12:17:36

TestAmerica Savannah

Data File:	\\SAVCHROM\ChromData\CMSY\20141017-13845.b\1YJ1729.D				
Injection Date:	17-Oct-2014 19:58:30	Instrument ID:	CMSY		
Lims ID:	680-106200-A-61-A	Lab Sample ID:	680-106200-61		
Client ID:	CV0613A-CS24				
Operator ID:	RM	ALS Bottle#:	29	Worklist Smp#:	29
Injection Vol:	2.0 ul	Dil. Factor:	1.0000		
Method:	8270D_LLPAH_MSY	Limit Group:	8270D_LL_PAH		
Column:	Restek RXi-5Sil MS (0.25 mm)	Detector	MS SCAN		

20 Chrysene, CAS: 218-01-9

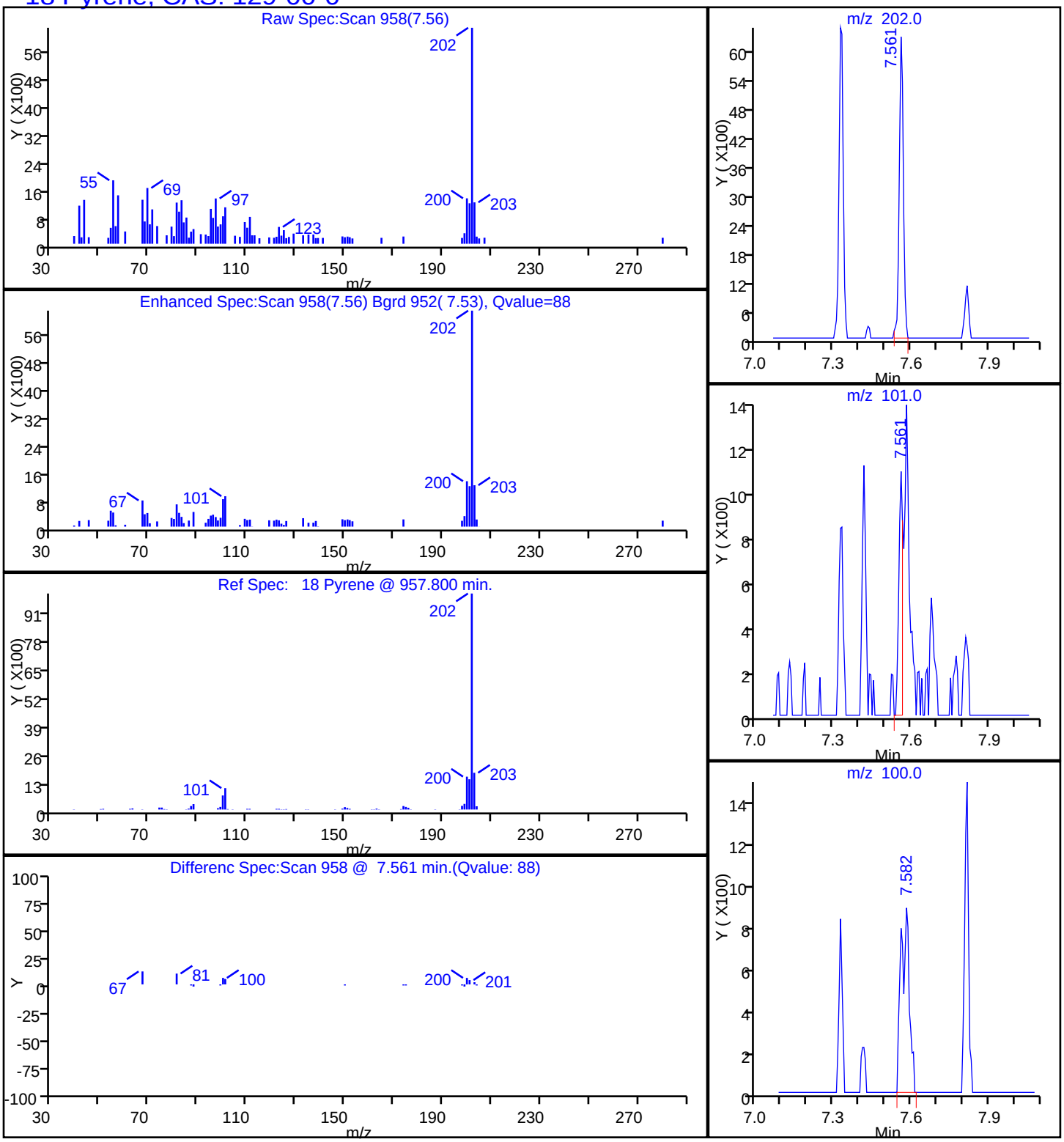


Report Date: 20-Oct-2014 09:22:21 Chrom Revision: 2.2 18-Aug-2014 12:17:36

TestAmerica Savannah

Data File:	\\SAVCHROM\ChromData\CMSY\20141017-13845.b\1YJ1729.D				
Injection Date:	17-Oct-2014 19:58:30	Instrument ID:	CMSY		
Lims ID:	680-106200-A-61-A	Lab Sample ID:	680-106200-61		
Client ID:	CV0613A-CS24				
Operator ID:	RM	ALS Bottle#:	29	Worklist Smp#:	29
Injection Vol:	2.0 ul	Dil. Factor:	1.0000		
Method:	8270D_LLPAH_MSY	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

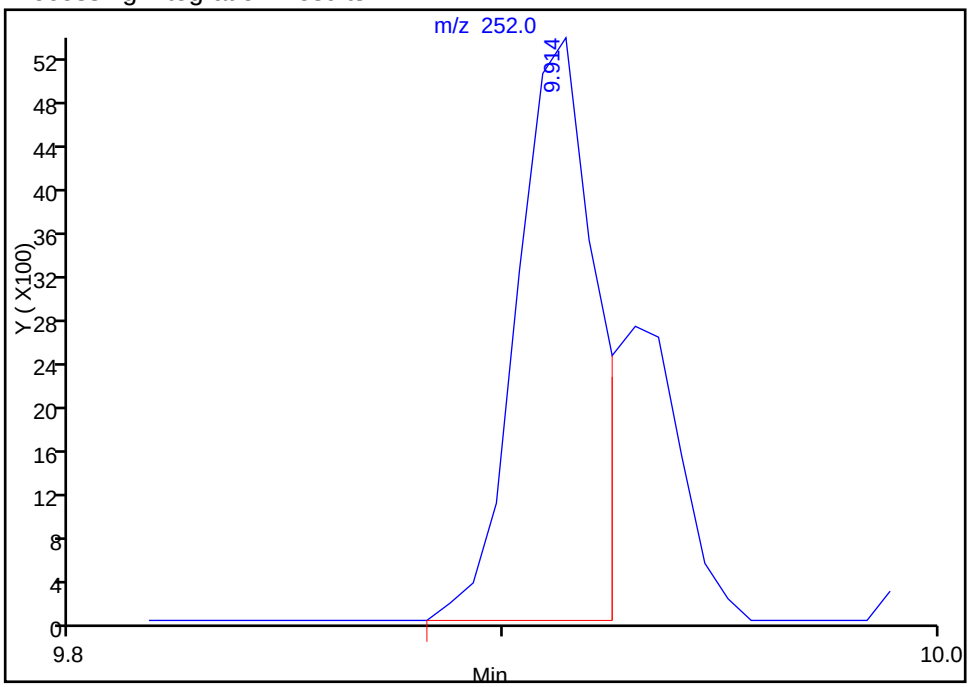
TestAmerica Savannah

Data File:	\\SAVCHROM\ChromData\CMSY\20141017-13845.b\1YJ1729.D				
Injection Date:	17-Oct-2014 19:58:30	Instrument ID:	CMSY		
Lims ID:	680-106200-A-61-A	Lab Sample ID:	680-106200-61		
Client ID:	CV0613A-CS24				
Operator ID:	RM	ALS Bottle#:	29	Worklist Smp#:	29
Injection Vol:	2.0 ul	Dil. Factor:	1.0000		
Method:	8270D_LLPAH_MSY	Limit Group:	8270D_LL_PAH		
Column:	Restek RXi-5Sil MS (0.25 mm)	Detector	MS SCAN		

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

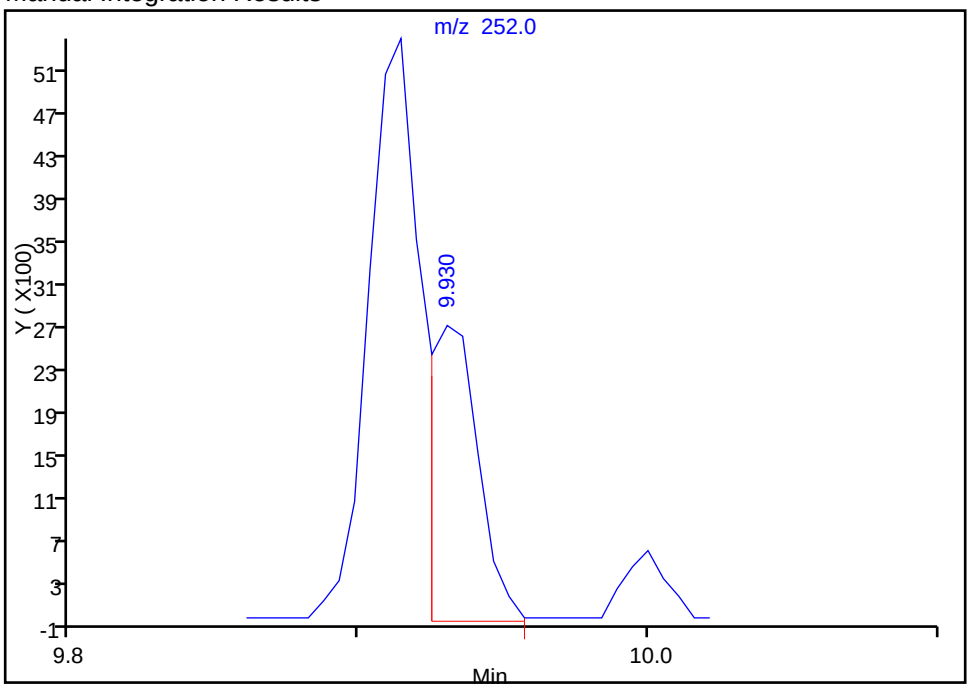
Processing Integration Results

RT: 9.91
Response: 6777
Amount: 0.154736



Manual Integration Results

RT: 9.93
Response: 3272
Amount: 0.074682



Reviewer: webbk, 20-Oct-2014 09:16:56
Audit Action: Manually Integrated
Audit Reason: Split Peak

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Savannah | Job No.: 680-106200-4

SDG No.: 680-106200-04

Client Sample ID: CV0509KK-CS6 | Lab Sample ID: 680-106200-62

Matrix: Solid | Lab File ID: 1YJ1730.D

Analysis Method: 8270D_LL_PAH | Date Collected: 10/07/2014 14:10

Extract. Method: 3546 | Date Extracted: 10/15/2014 14:21

Sample wt/vol: 30.02(g) | Date Analyzed: 10/17/2014 20:20

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

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

% Moisture: 5.2 | GPC Cleanup:(Y/N) N

Analysis Batch No.: 354069 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
83-32-9	Acenaphthene	49	J	71	35
208-96-8	Acenaphthylene	71	U	71	35
120-12-7	Anthracene	120		71	35
56-55-3	Benzo[a]anthracene	450		71	35
50-32-8	Benzo[a]pyrene	430		71	13
205-99-2	Benzo[b]fluoranthene	660		71	35
191-24-2	Benzo[g,h,i]perylene	310		71	35
207-08-9	Benzo[k]fluoranthene	210		71	21
218-01-9	Chrysene	460		71	35
53-70-3	Dibenz(a,h)anthracene	170		71	35
206-44-0	Fluoranthene	740		71	35
86-73-7	Fluorene	48	J	71	35
193-39-5	Indeno[1,2,3-cd]pyrene	220		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	470		71	25
129-00-0	Pyrene	740		71	35

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\CMSY\20141017-13845.b\1YJ1730.D
Lims ID: 680-106200-A-62-A Lab Sample ID: 680-106200-62
Client ID: CV0509KK-CS6
Sample Type: Client
Inject. Date: 17-Oct-2014 20:20:30 ALS Bottle#: 30 Worklist Smp#: 30
Injection Vol: 2.0 ul Dil. Factor: 10.0000
Sample Info: 106200-A-62-A 1:10
Misc. Info.: 680-0013845-030
Operator ID: RM Instrument ID: CMSY

Method: \\SAVCHROM\ChromData\CMSY\20141017-13845.b\8270D_LLPAH_MSY.m
Limit Group: 8270D_LL_PAH
Last Update: 20-Oct-2014 09:21:49 Calib Date: 07-Oct-2014 15:41:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\SAVCHROM\ChromData\CMSY\20141007-13559.b\3YJ0707.D

Column 1 : Restek RXi-5Sil MS (0.25 mm) Det: MS SCAN
Process Host: XAWRK024

First Level Reviewer: webbk Date: 20-Oct-2014 09:18:44

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/ml	Flags
* 1 Naphthalene-d8	136	2.763	2.753	0.010	98	140758	2.00	
* 2 Acenaphthene-d10	164	4.442	4.437	0.005	92	79526	2.00	
* 3 Phenanthrene-d10	188	6.010	6.005	0.006	98	136390	2.00	
* 4 Chrysene-d12	240	8.882	8.877	0.005	99	105265	2.00	
* 5 Perylene-d12	264	10.235	10.225	0.010	98	76179	2.00	
7 Naphthalene	128	2.779	2.774	0.005	98	6352	0.0827	
8 2-Methylnaphthalene	142	3.416	3.410	0.006	83	3792	0.0745	
9 1-Methylnaphthalene	142	3.506	3.501	0.005	92	3007	0.0637	
12 Acenaphthene	153	4.475	4.469	0.006	94	6961	0.1406	
14 Fluorene	166	5.020	5.015	0.005	97	7390	0.1352	
15 Phenanthrene	178	6.031	6.031	0.000	96	109900	1.35	
16 Anthracene	178	6.090	6.085	0.005	99	28108	0.3463	
17 Fluoranthene	202	7.331	7.320	0.011	98	182567	2.11	
18 Pyrene	202	7.561	7.556	0.005	97	144866	2.11	
19 Benzo[a]anthracene	228	8.877	8.866	0.011	98	78187	1.27	
20 Chrysene	228	8.909	8.903	0.006	99	75736	1.30	
21 Benzo[b]fluoranthene	252	9.914	9.904	0.010	98	93581	1.87	
22 Benzo[k]fluoranthene	252	9.936	9.930	0.006	99	28424	0.5849	M
23 Benzo[a]pyrene	252	10.187	10.176	0.011	98	50362	1.22	
24 Indeno[1,2,3-cd]pyrene	276	11.075	11.070	0.005	99	36146	0.6255	
25 Dibenz(a,h)anthracene	278	11.096	11.091	0.005	97	17837	0.4951	
26 Benzo[g,h,i]perylene	276	11.289	11.273	0.016	98	33612	0.8942	

QC Flag Legend

Review Flags
M - Manually Integrated

Reagents:

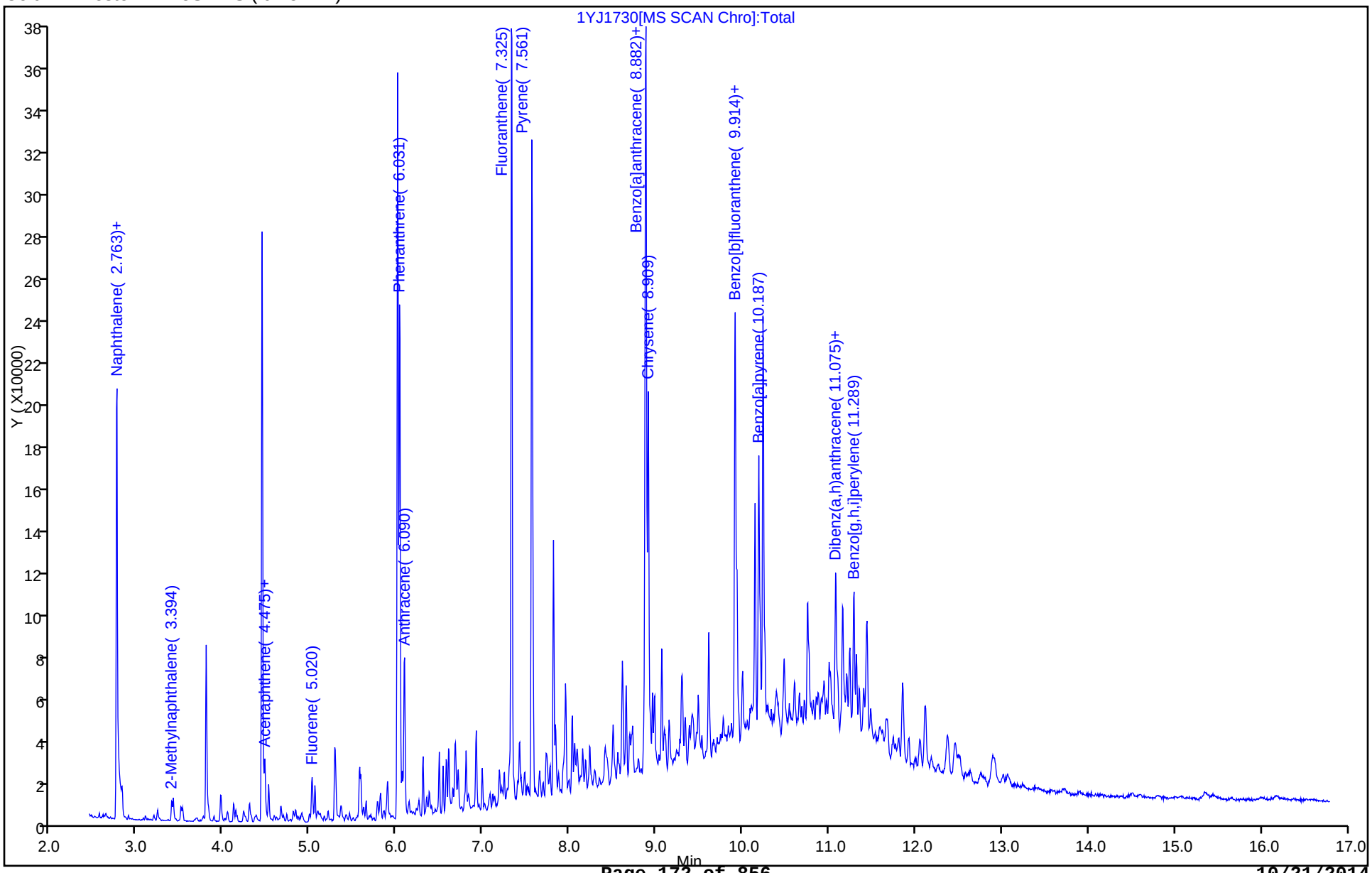
SM-LLISTD_00106 Amount Added: 10.00 Units: uL Run Reagent

Report Date: 20-Oct-2014 09:22:22 Chrom Revision: 2.2 18-Aug-2014 12:17:36

TestAmerica Savannah

Data File:	\\SAVCHROM\ChromData\CMSY\20141017-13845.b\1YJ1730.D				
Injection Date:	17-Oct-2014 20:20:30	Instrument ID:	CMSY	Operator ID:	RM
Lims ID:	680-106200-A-62-A	Lab Sample ID:	680-106200-62	Worklist Smp#:	30
Client ID:	CV0509KK-CS6				
Injection Vol:	2.0 ul	Dil. Factor:	10.0000	ALS Bottle#:	30
Method:	8270D_LLPAH_MSY	Limit Group:	8270D_LL_PAH		

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

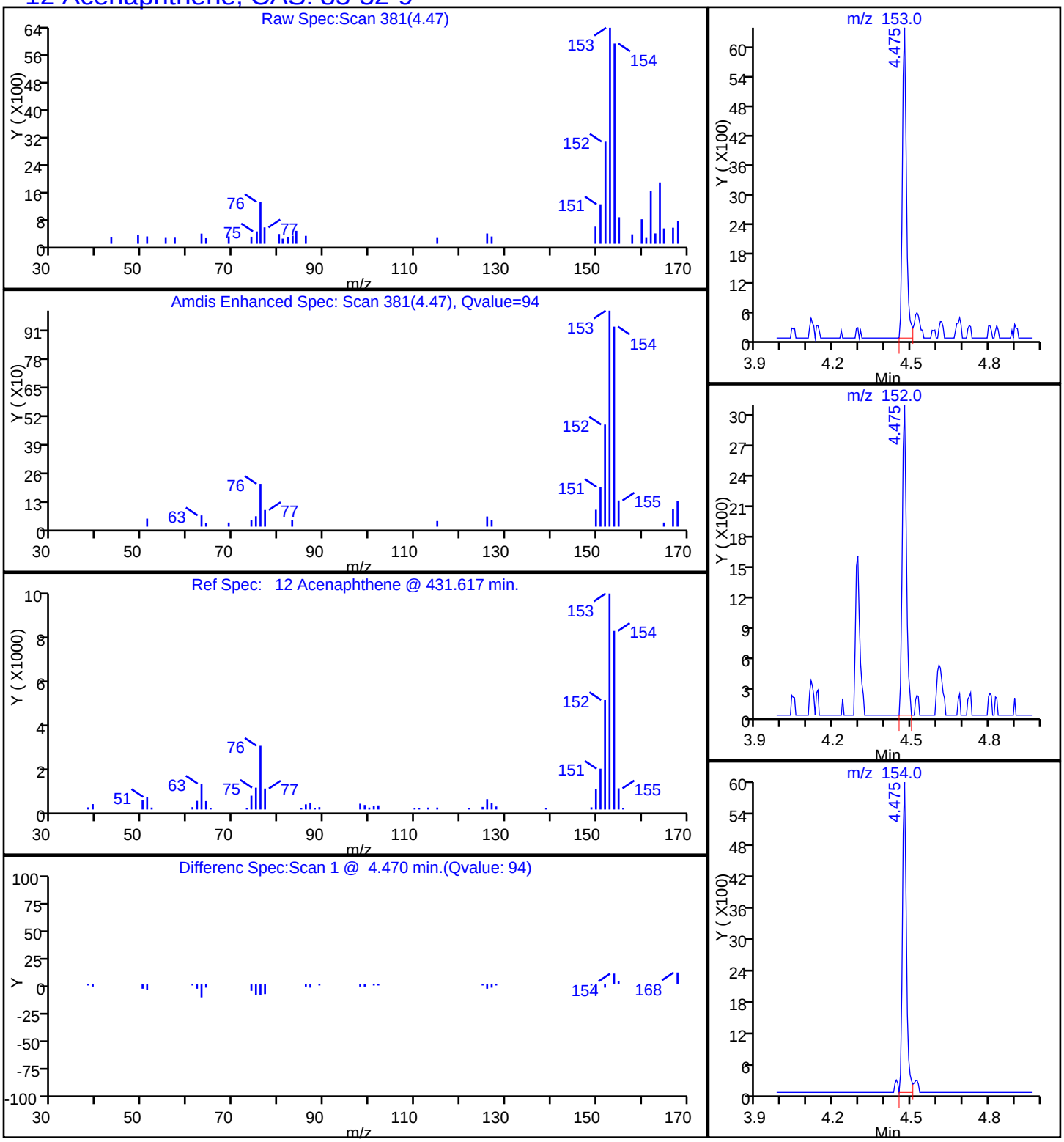


Report Date: 20-Oct-2014 09:22:22 Chrom Revision: 2.2 18-Aug-2014 12:17:36

TestAmerica Savannah

Data File:	\\SAVCHROM\ChromData\CMSY\20141017-13845.b\1YJ1730.D				
Injection Date:	17-Oct-2014 20:20:30	Instrument ID:	CMSY		
Lims ID:	680-106200-A-62-A	Lab Sample ID:	680-106200-62		
Client ID:	CV0509KK-CS6				
Operator ID:	RM	ALS Bottle#:	30	Worklist Smp#:	30
Injection Vol:	2.0 ul	Dil. Factor:	10.0000		
Method:	8270D_LLPAH_MSY	Limit Group:	8270D_LL_PAH		
Column:	Restek RXi-5Sil MS (0.25 mm)	Detector	MS SCAN		

12 Acenaphthene, CAS: 83-32-9



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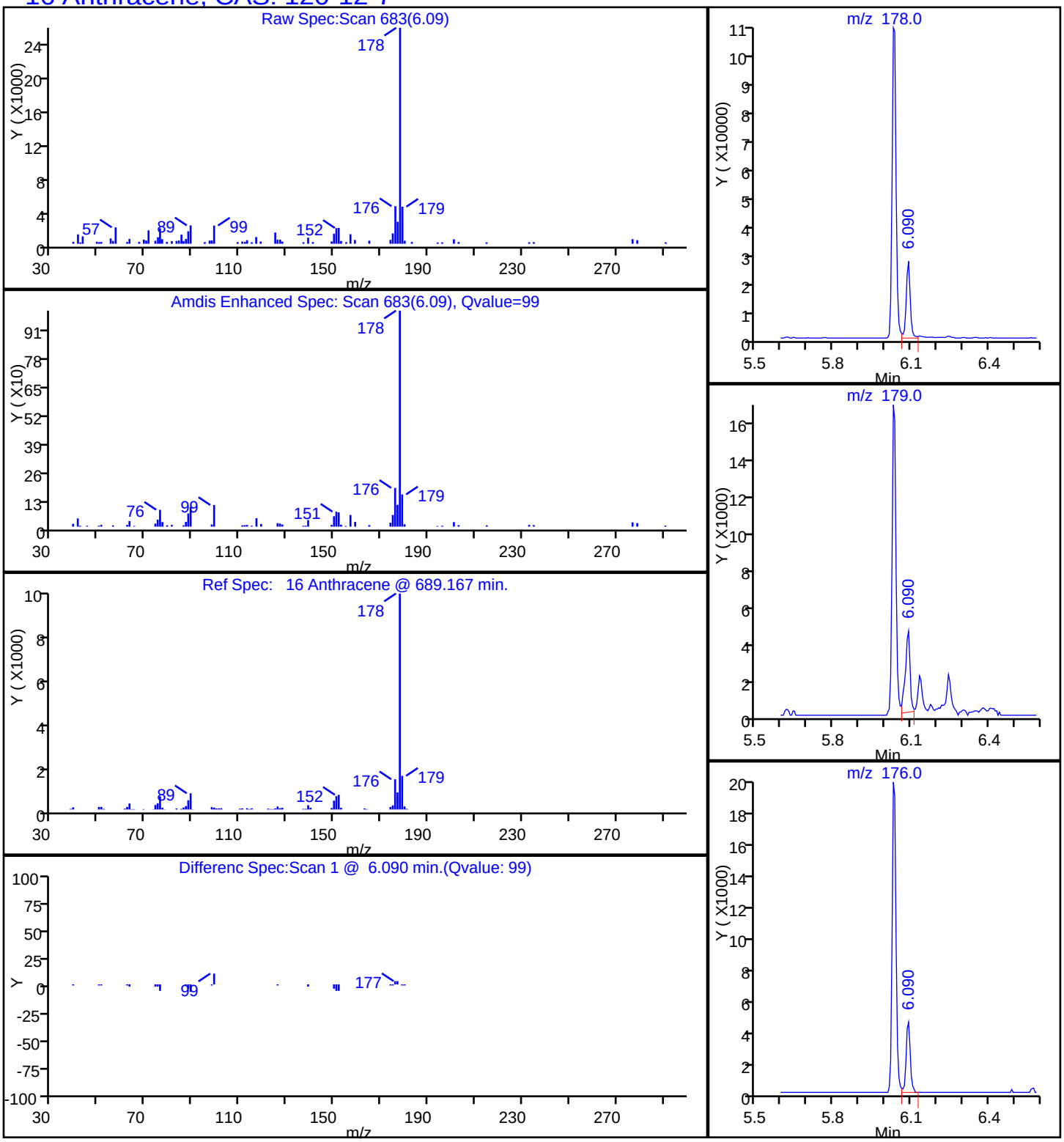
TestAmerica Savannah

Data File:	\\SAVCHROM\ChromData\CMSY\20141017-13845.b\1YJ1730.D				
Injection Date:	17-Oct-2014 20:20:30	Instrument ID:	CMSY		
Lims ID:	680-106200-A-62-A	Lab Sample ID:	680-106200-62		
Client ID:	CV0509KK-CS6				
Operator ID:	RM	ALS Bottle#:	30	Worklist Smp#:	30
Injection Vol:	2.0 ul	Dil. Factor:	10.0000		
Method:	8270D_LLPAH_MSY	Limit Group:	8270D_LL_PAH		
Column:	Restek RXi-5Sil MS (0.25 mm)	Detector	MS SCAN		

16 Anthracene, CAS: 120-12-7

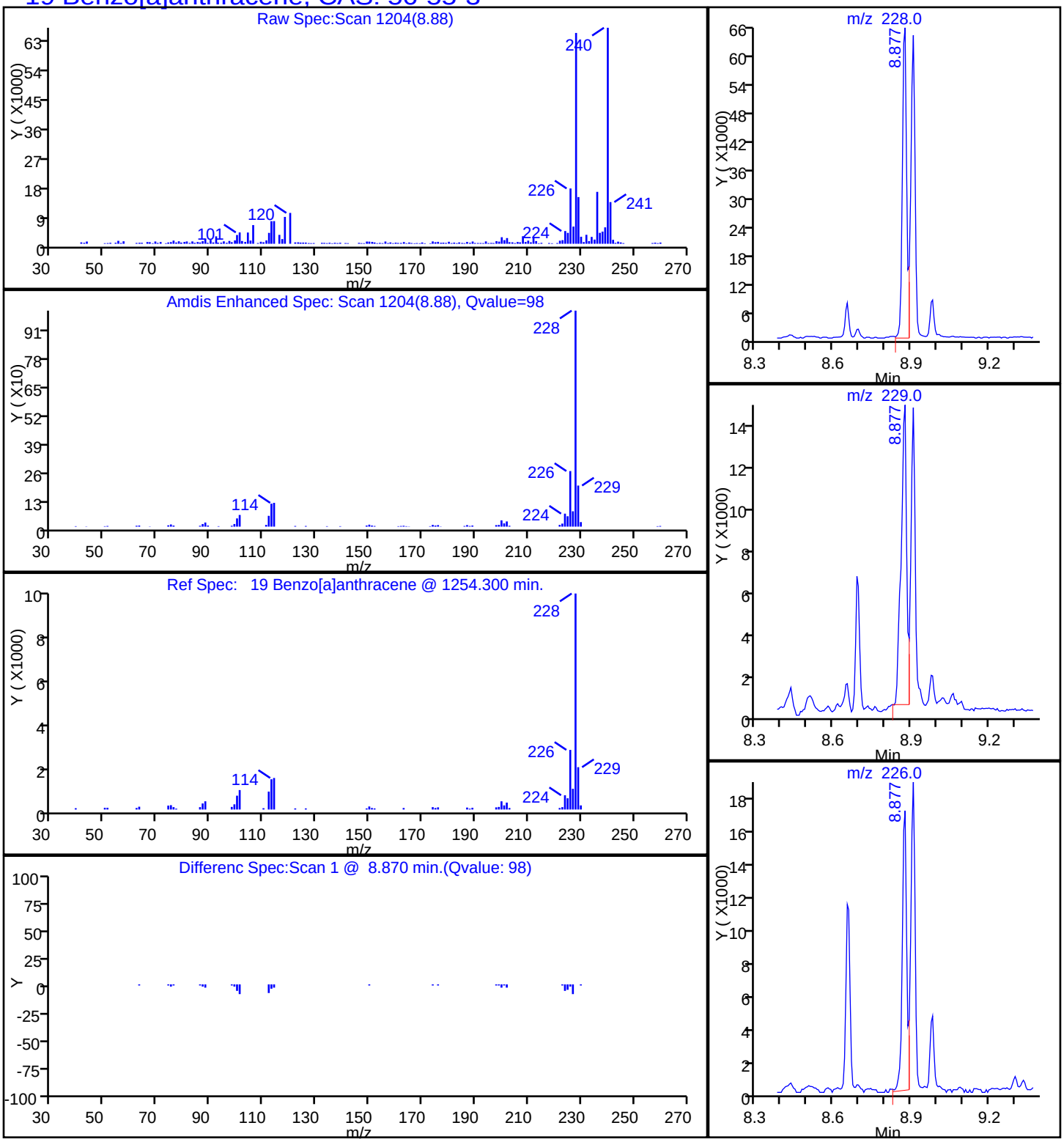


Report Date: 20-Oct-2014 09:22:22 Chrom Revision: 2.2 18-Aug-2014 12:17:36

TestAmerica Savannah

Data File:	\\SAVCHROM\ChromData\CMSY\20141017-13845.b\1YJ1730.D				
Injection Date:	17-Oct-2014 20:20:30	Instrument ID:	CMSY		
Lims ID:	680-106200-A-62-A	Lab Sample ID:	680-106200-62		
Client ID:	CV0509KK-CS6				
Operator ID:	RM	ALS Bottle#:	30	Worklist Smp#:	30
Injection Vol:	2.0 ul	Dil. Factor:	10.0000		
Method:	8270D_LLPAH_MSY	Limit Group:	8270D_LL_PAH		
Column:	Restek RXi-5Sil MS (0.25 mm)	Detector	MS SCAN		

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

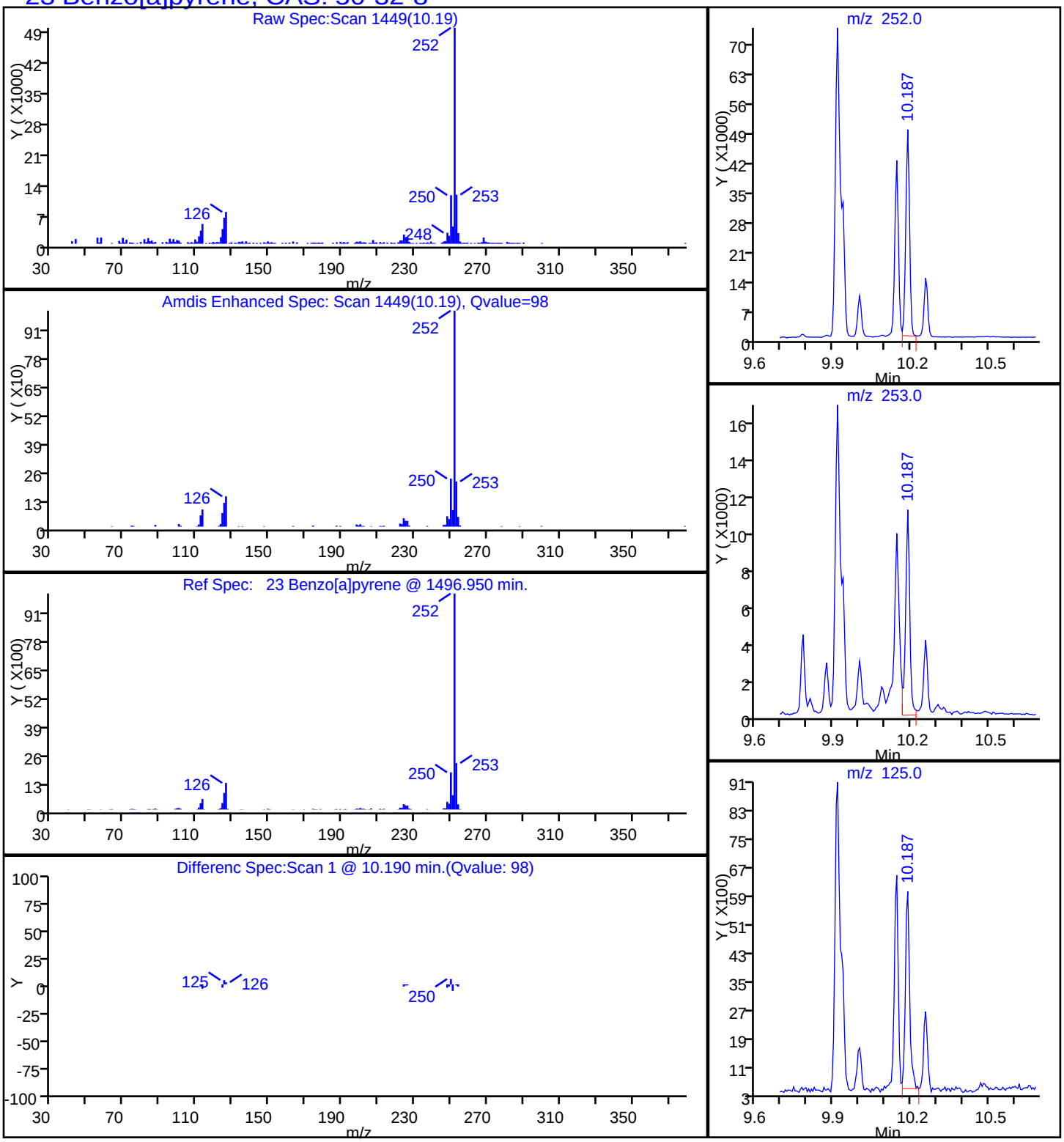


Report Date: 20-Oct-2014 09:22:22 Chrom Revision: 2.2 18-Aug-2014 12:17:36

TestAmerica Savannah

Data File:	\\SAVCHROM\ChromData\CMSY\20141017-13845.b\1YJ1730.D				
Injection Date:	17-Oct-2014 20:20:30	Instrument ID:	CMSY		
Lims ID:	680-106200-A-62-A	Lab Sample ID:	680-106200-62		
Client ID:	CV0509KK-CS6				
Operator ID:	RM	ALS Bottle#:	30	Worklist Smp#:	30
Injection Vol:	2.0 ul	Dil. Factor:	10.0000		
Method:	8270D_LLPAH_MSY	Limit Group:	8270D_LL_PAH		
Column:	Restek RXi-5Sil MS (0.25 mm)	Detector	MS SCAN		

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

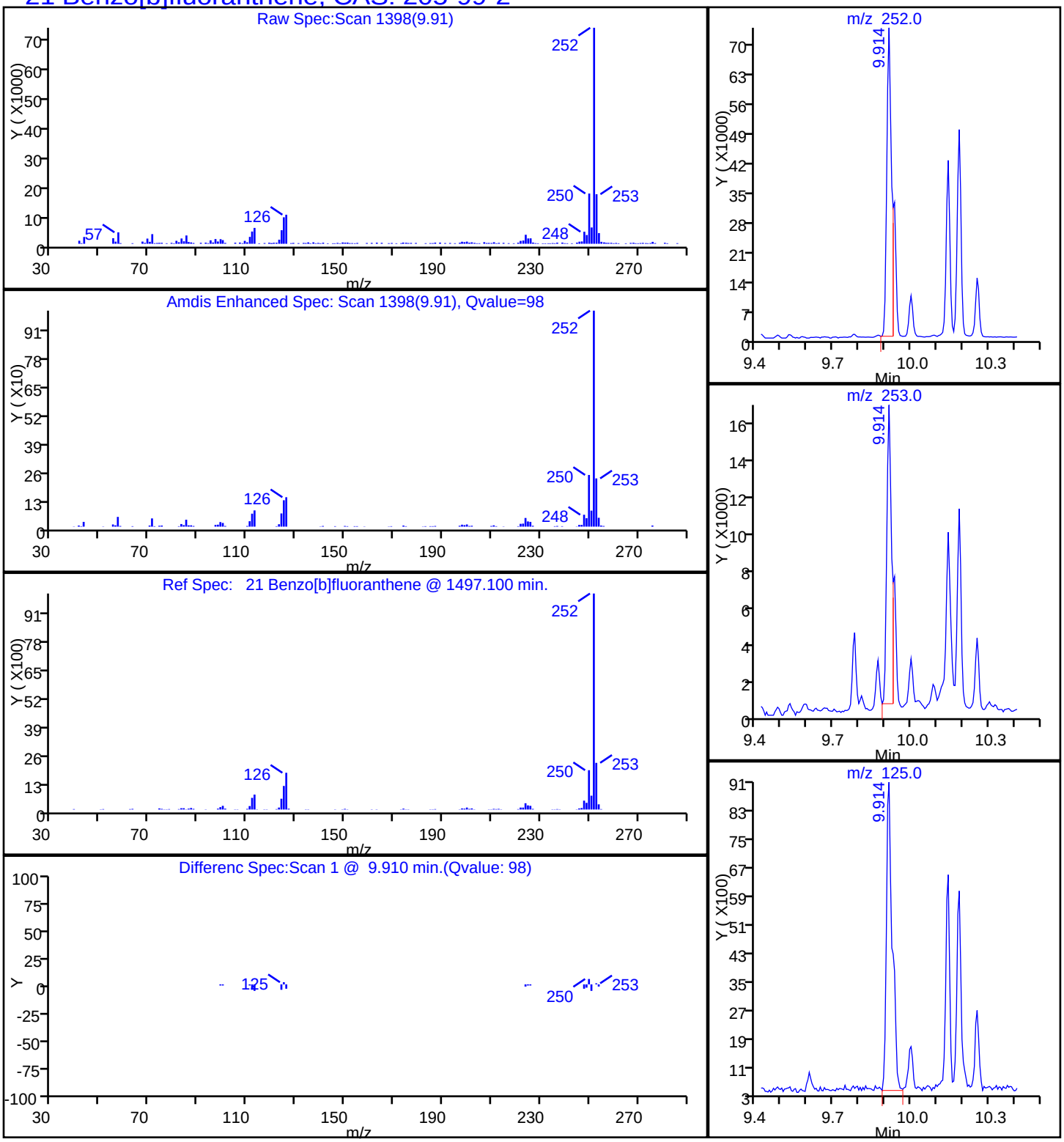


Report Date: 20-Oct-2014 09:22:22 Chrom Revision: 2.2 18-Aug-2014 12:17:36

TestAmerica Savannah

Data File:	\\SAVCHROM\ChromData\CMSY\20141017-13845.b\1YJ1730.D				
Injection Date:	17-Oct-2014 20:20:30	Instrument ID:	CMSY		
Lims ID:	680-106200-A-62-A	Lab Sample ID:	680-106200-62		
Client ID:	CV0509KK-CS6				
Operator ID:	RM	ALS Bottle#:	30	Worklist Smp#:	30
Injection Vol:	2.0 ul	Dil. Factor:	10.0000		
Method:	8270D_LLPAH_MSY	Limit Group:	8270D_LL_PAH		
Column:	Restek RXi-5Sil MS (0.25 mm)	Detector	MS SCAN		

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



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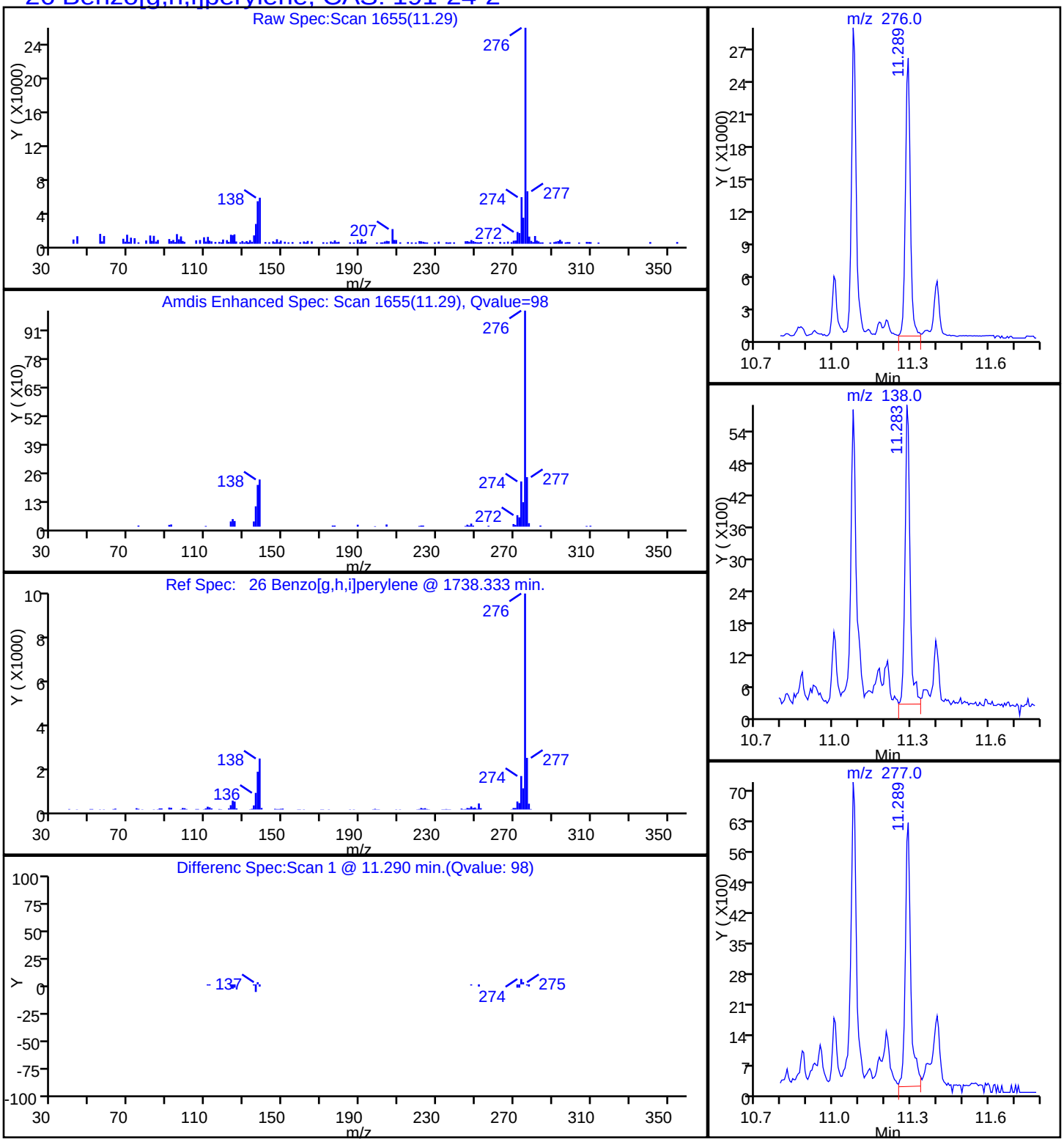
TestAmerica Savannah

Data File:	\\SAVCHROM\ChromData\CMSY\20141017-13845.b\1YJ1730.D				
Injection Date:	17-Oct-2014 20:20:30	Instrument ID:	CMSY		
Lims ID:	680-106200-A-62-A	Lab Sample ID:	680-106200-62		
Client ID:	CV0509KK-CS6				
Operator ID:	RM	ALS Bottle#:	30	Worklist Smp#:	30
Injection Vol:	2.0 ul	Dil. Factor:	10.0000		
Method:	8270D_LLPAH_MSY	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: 20-Oct-2014 09:22:22 Chrom Revision: 2.2 18-Aug-2014 12:17:36

TestAmerica Savannah

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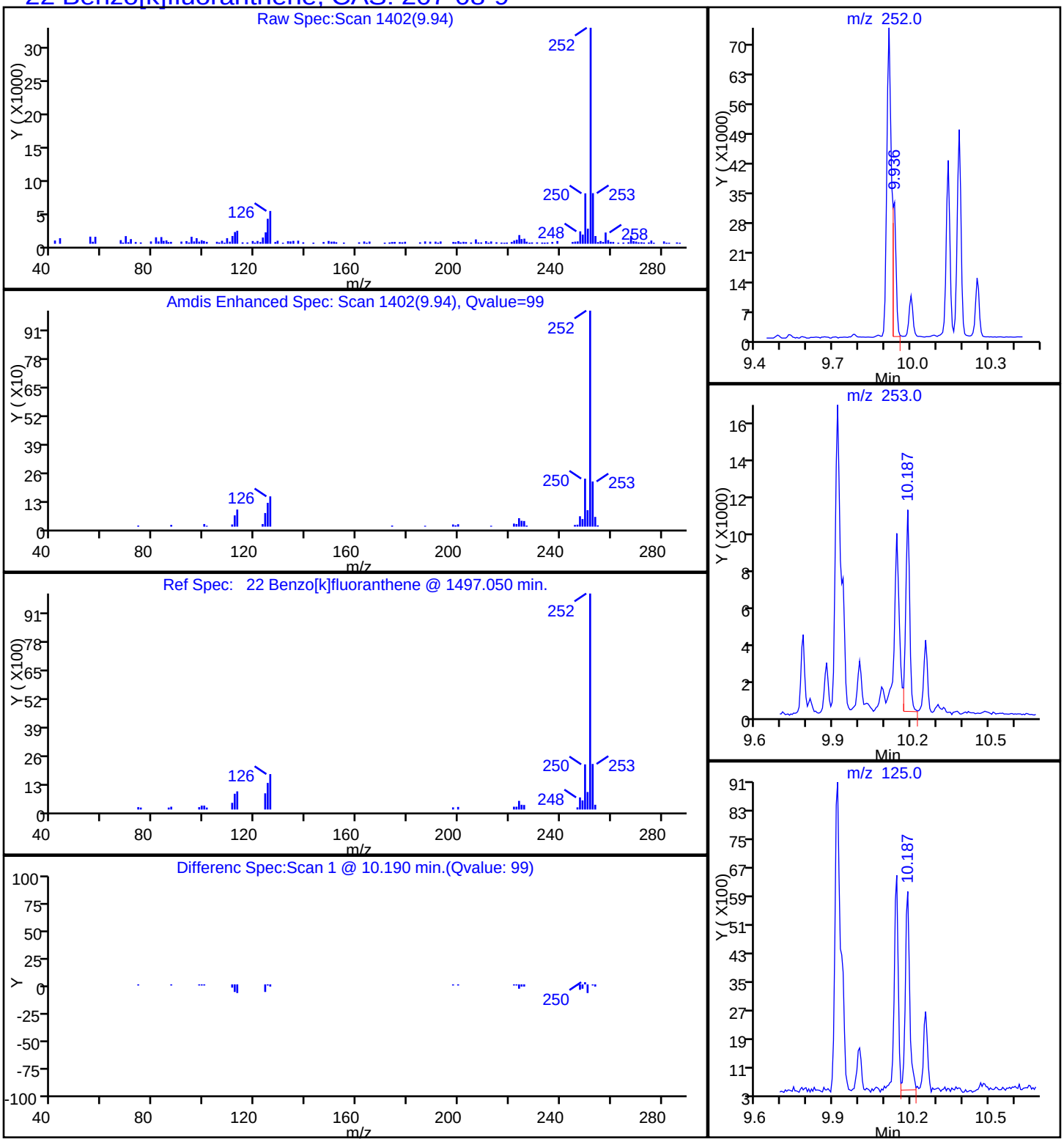
Injection Date:	17-Oct-2014 20:20:30	Instrument ID:	CMSY		
Lims ID:	680-106200-A-62-A	Lab Sample ID:	680-106200-62		
Client ID:	CV0509KK-CS6				
Operator ID:	RM	ALS Bottle#:	30	Worklist Smp#:	30
Injection Vol:	2.0 ul	Dil. Factor:	10.0000		
Method:	8270D_LLPAH_MSY	Limit Group:	8270D_LL_PAH		
Column:	Restek RXi-5Sil MS (0.25 mm)	Detector	MS SCAN		

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

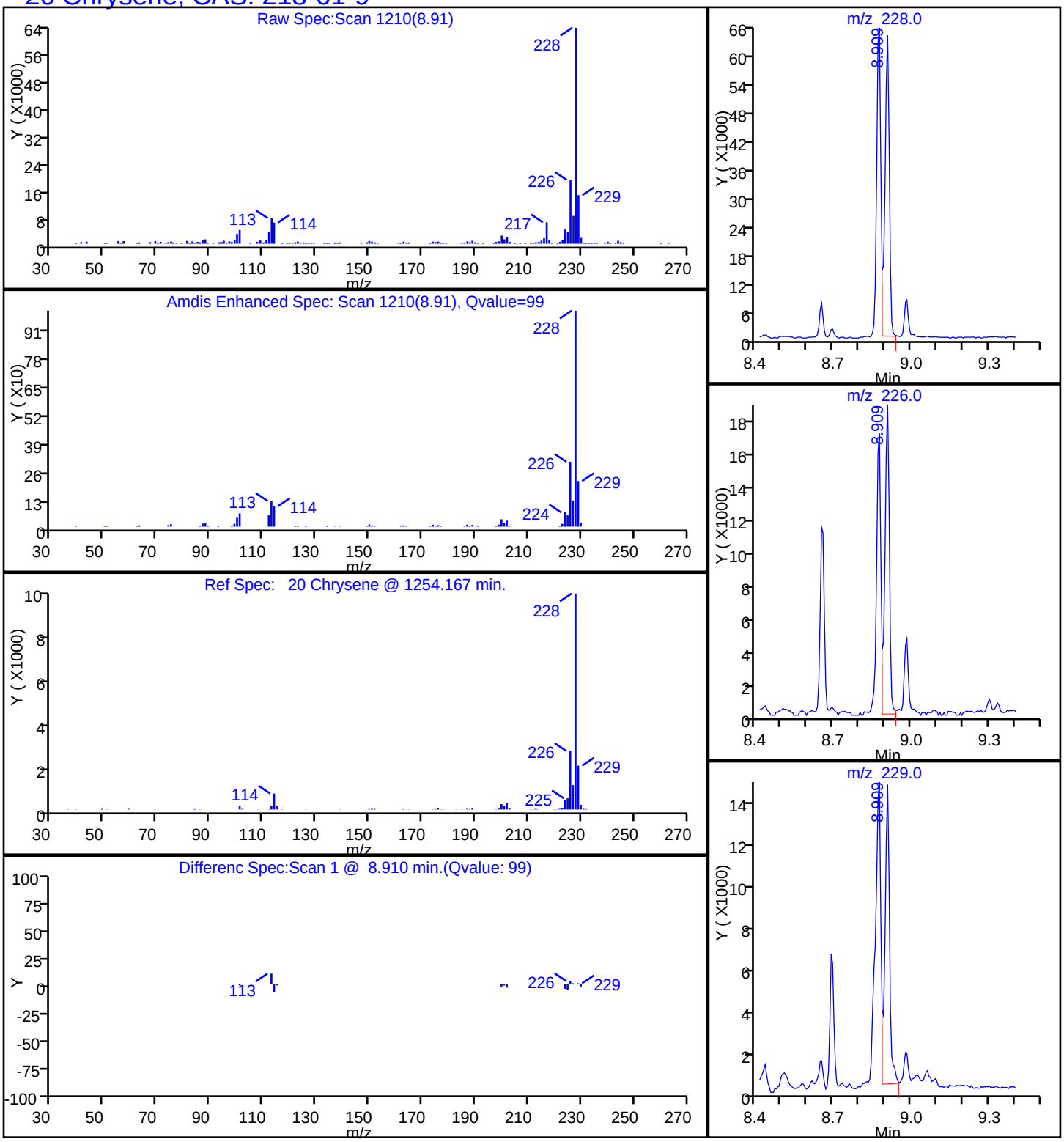


Report Date: 20-Oct-2014 09:22:22 Chrom Revision: 2.2 18-Aug-2014 12:17:36

TestAmerica Savannah

Data File:	\\SAVCHROM\ChromData\CMSY\20141017-13845.b\1YJ1730.D				
Injection Date:	17-Oct-2014 20:20:30	Instrument ID:	CMSY		
Lims ID:	680-106200-A-62-A	Lab Sample ID:	680-106200-62		
Client ID:	CV0509KK-CS6				
Operator ID:	RM	ALS Bottle#:	30	Worklist Smp#:	30
Injection Vol:	2.0 ul	Dil. Factor:	10.0000		
Method:	8270D_LLPAH_MSY	Limit Group:	8270D_LL_PAH		
Column:	Restek RXi-5Sil MS (0.25 mm)	Detector	MS SCAN		

20 Chrysene, CAS: 218-01-9

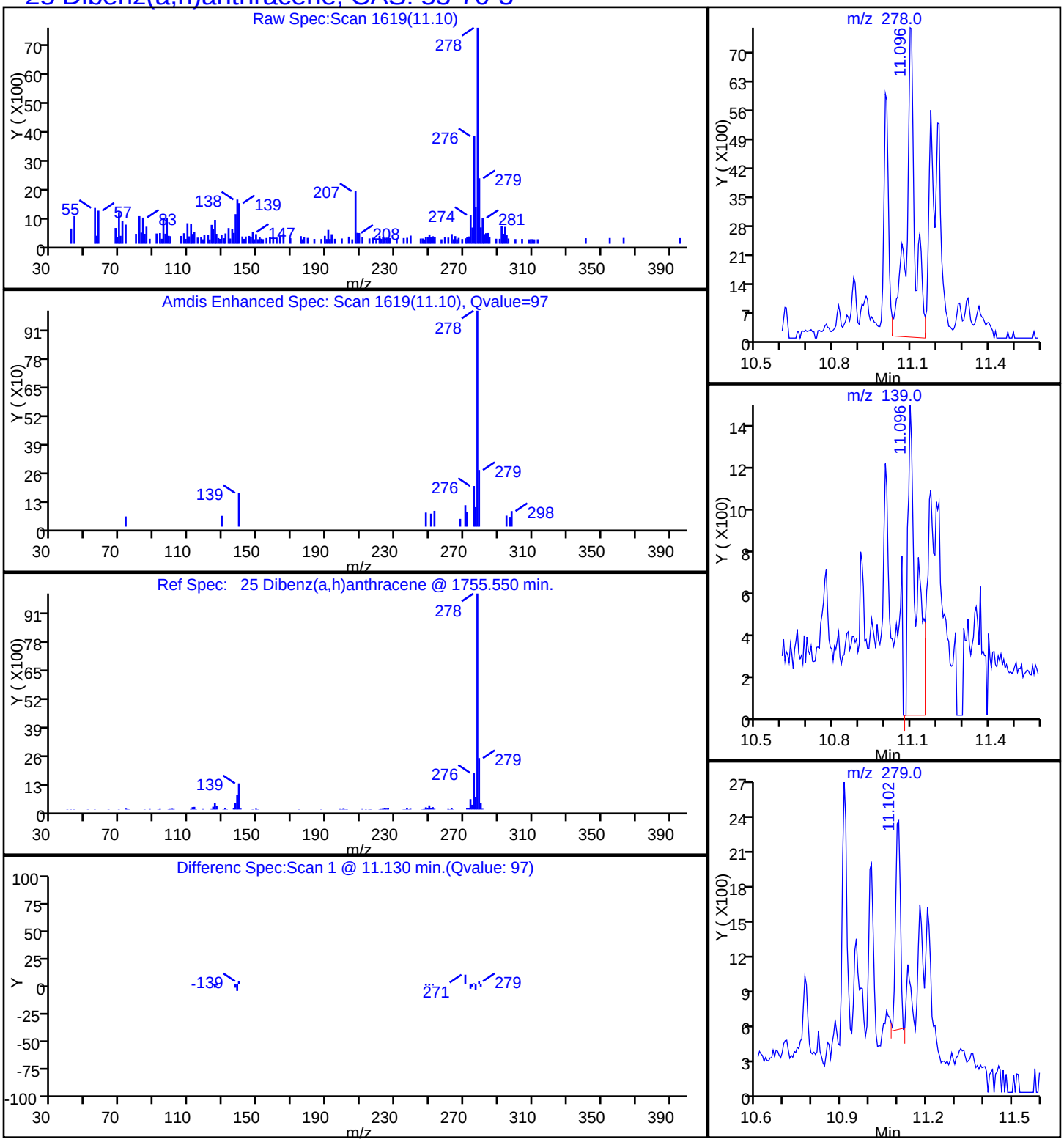


Report Date: 20-Oct-2014 09:22:22 Chrom Revision: 2.2 18-Aug-2014 12:17:36

TestAmerica Savannah

Data File:	\\SAVCHROM\ChromData\CMSY\20141017-13845.b\1YJ1730.D				
Injection Date:	17-Oct-2014 20:20:30	Instrument ID:	CMSY		
Lims ID:	680-106200-A-62-A	Lab Sample ID:	680-106200-62		
Client ID:	CV0509KK-CS6				
Operator ID:	RM	ALS Bottle#:	30	Worklist Smp#:	30
Injection Vol:	2.0 ul	Dil. Factor:	10.0000		
Method:	8270D_LLPAH_MSY	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

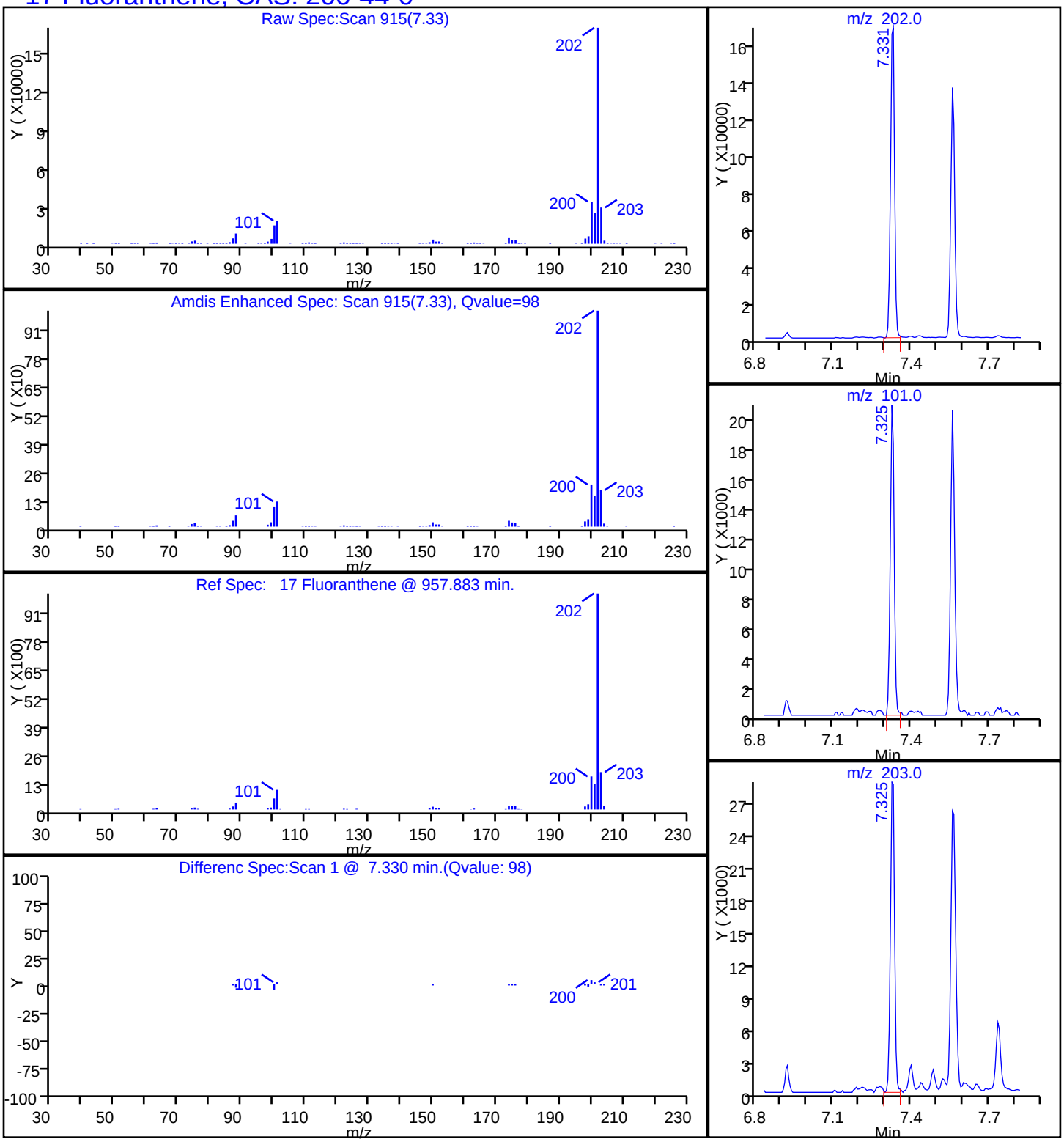


Report Date: 20-Oct-2014 09:22:22 Chrom Revision: 2.2 18-Aug-2014 12:17:36

TestAmerica Savannah

Data File:	\\SAVCHROM\ChromData\CMSY\20141017-13845.b\1YJ1730.D				
Injection Date:	17-Oct-2014 20:20:30	Instrument ID:	CMSY		
Lims ID:	680-106200-A-62-A	Lab Sample ID:	680-106200-62		
Client ID:	CV0509KK-CS6				
Operator ID:	RM	ALS Bottle#:	30	Worklist Smp#:	30
Injection Vol:	2.0 ul	Dil. Factor:	10.0000		
Method:	8270D_LLPAH_MSY	Limit Group:	8270D_LL_PAH		
Column:	Restek RXi-5Sil MS (0.25 mm)	Detector	MS SCAN		

17 Fluoranthene, CAS: 206-44-0

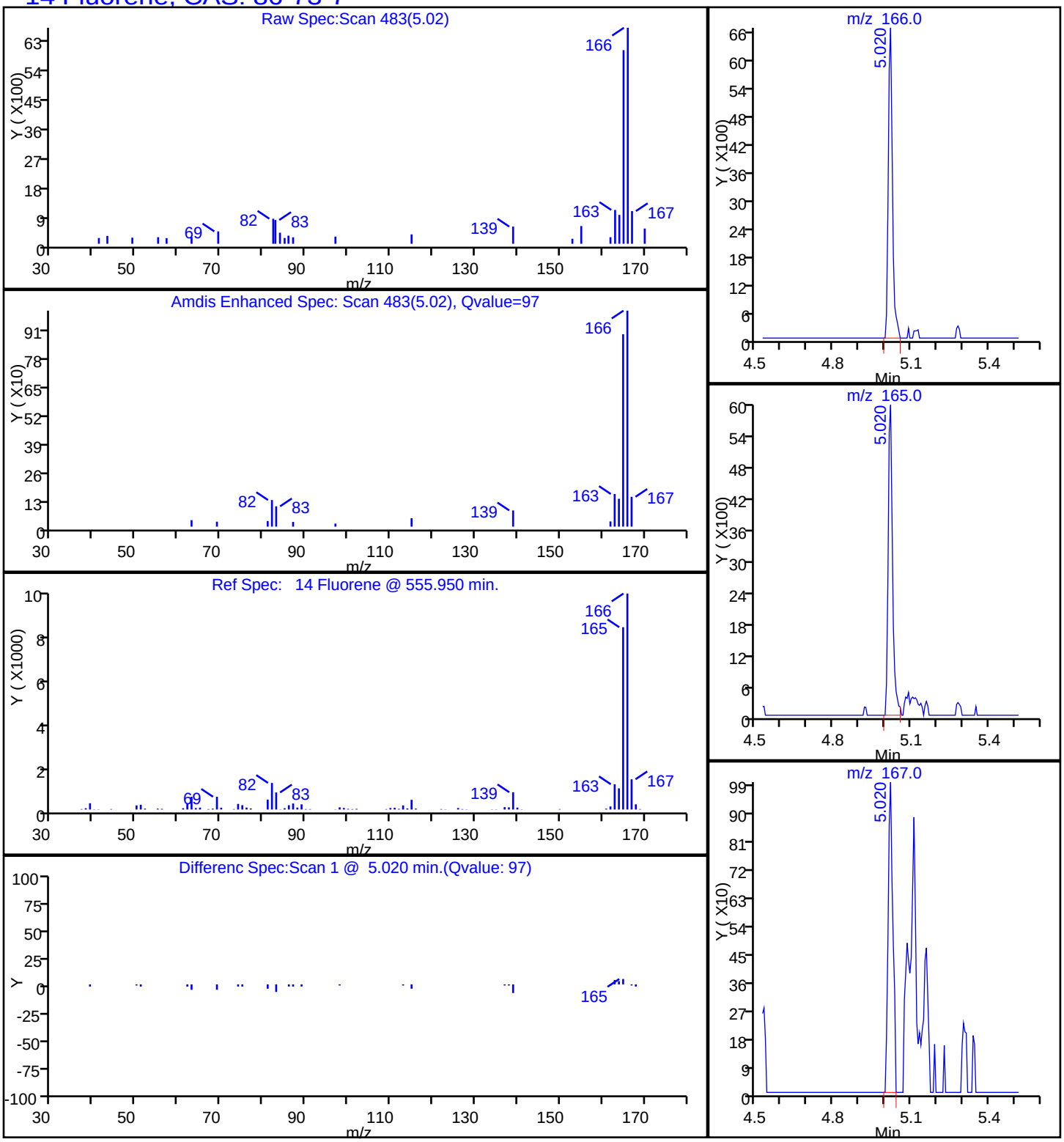


Report Date: 20-Oct-2014 09:22:22 Chrom Revision: 2.2 18-Aug-2014 12:17:36

TestAmerica Savannah

Data File:	\\SAVCHROM\ChromData\CMSY\20141017-13845.b\1YJ1730.D				
Injection Date:	17-Oct-2014 20:20:30	Instrument ID:	CMSY		
Lims ID:	680-106200-A-62-A	Lab Sample ID:	680-106200-62		
Client ID:	CV0509KK-CS6				
Operator ID:	RM	ALS Bottle#:	30	Worklist Smp#:	30
Injection Vol:	2.0 ul	Dil. Factor:	10.0000		
Method:	8270D_LLPAH_MSY	Limit Group:	8270D_LL_PAH		
Column:	Restek RXi-5Sil MS (0.25 mm)	Detector	MS SCAN		

14 Fluorene, CAS: 86-73-7

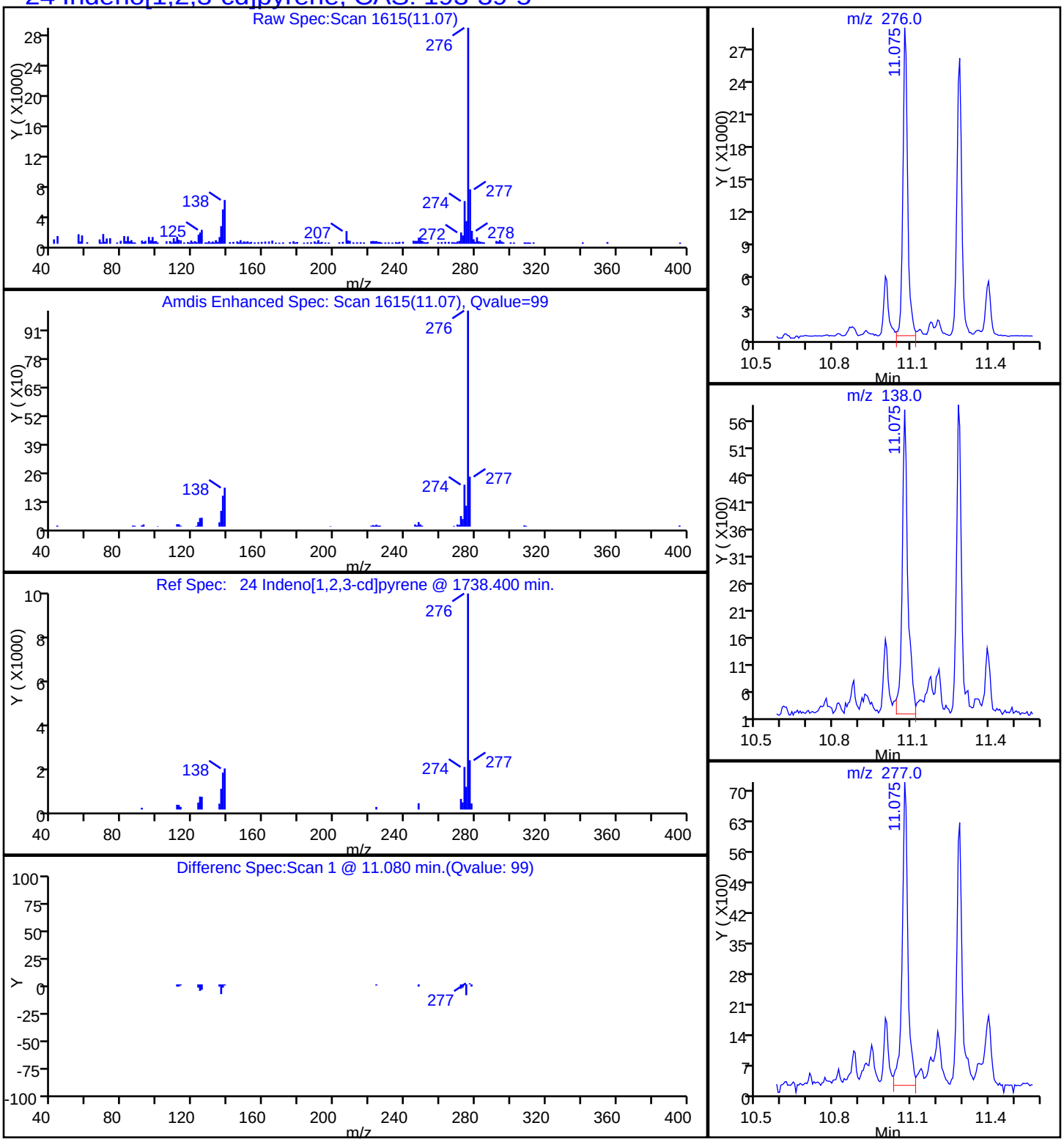


Report Date: 20-Oct-2014 09:22:22 Chrom Revision: 2.2 18-Aug-2014 12:17:36

TestAmerica Savannah

Data File:	\\SAVCHROM\ChromData\CMSY\20141017-13845.b\1YJ1730.D				
Injection Date:	17-Oct-2014 20:20:30	Instrument ID:	CMSY		
Lims ID:	680-106200-A-62-A	Lab Sample ID:	680-106200-62		
Client ID:	CV0509KK-CS6				
Operator ID:	RM	ALS Bottle#:	30	Worklist Smp#:	30
Injection Vol:	2.0 ul	Dil. Factor:	10.0000		
Method:	8270D_LLPAH_MSY	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

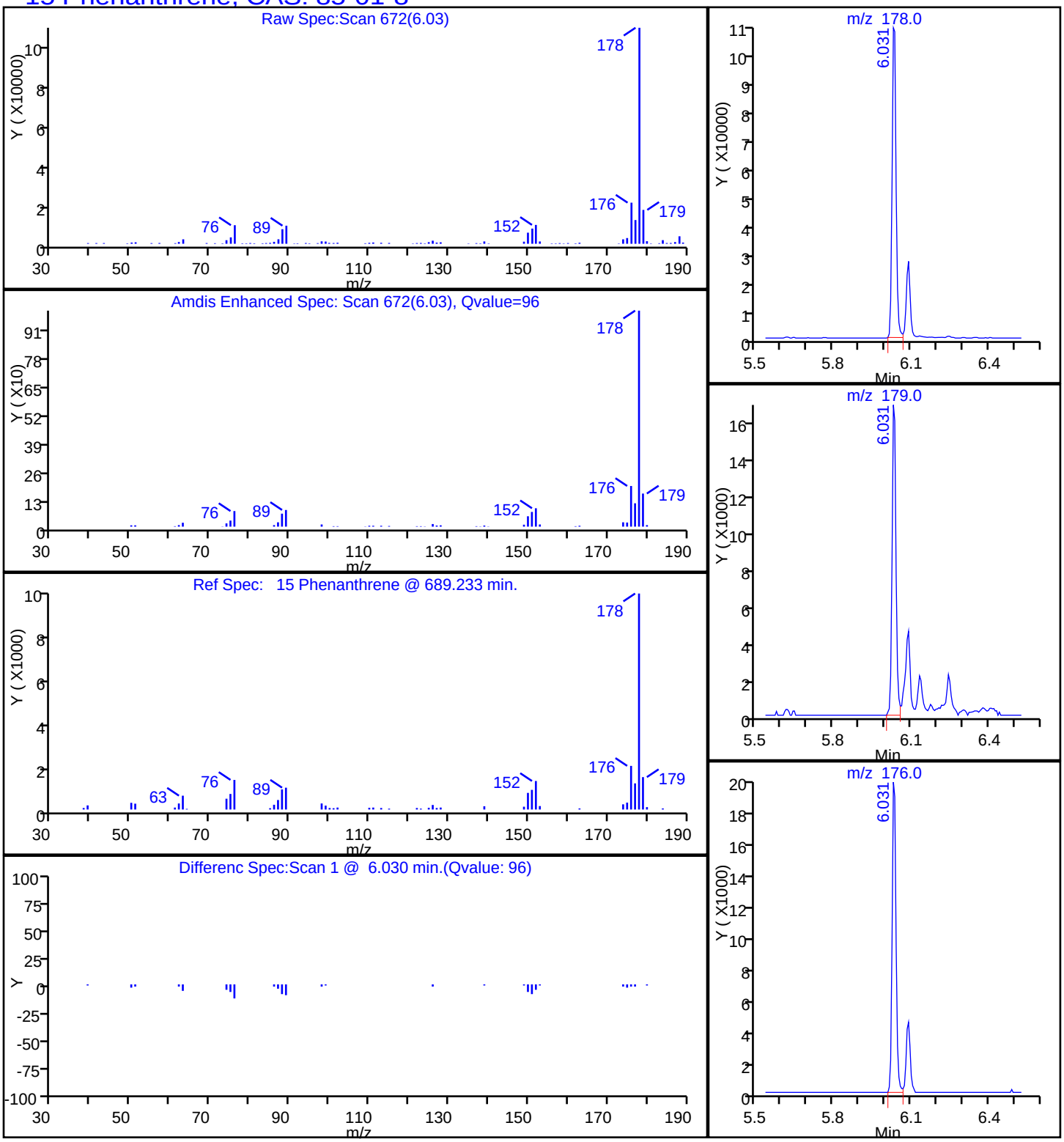


Report Date: 20-Oct-2014 09:22:22 Chrom Revision: 2.2 18-Aug-2014 12:17:36

TestAmerica Savannah

Data File:	\\SAVCHROM\ChromData\CMSY\20141017-13845.b\1YJ1730.D				
Injection Date:	17-Oct-2014 20:20:30	Instrument ID:	CMSY		
Lims ID:	680-106200-A-62-A	Lab Sample ID:	680-106200-62		
Client ID:	CV0509KK-CS6				
Operator ID:	RM	ALS Bottle#:	30	Worklist Smp#:	30
Injection Vol:	2.0 ul	Dil. Factor:	10.0000		
Method:	8270D_LLPAH_MSY	Limit Group:	8270D_LL_PAH		
Column:	Restek RXi-5Sil MS (0.25 mm)	Detector	MS SCAN		

15 Phenanthrene, CAS: 85-01-8

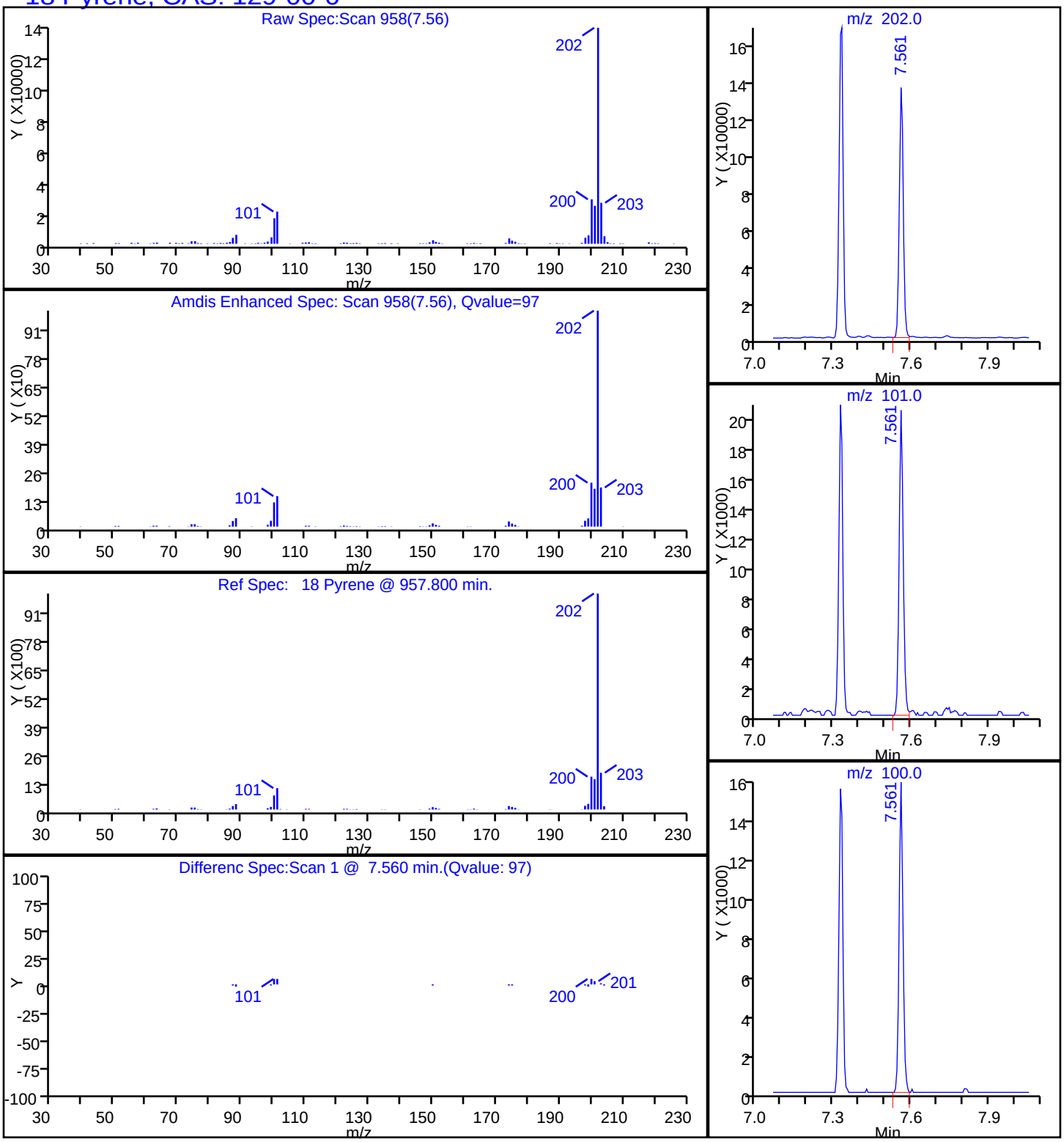


Report Date: 20-Oct-2014 09:22:22 Chrom Revision: 2.2 18-Aug-2014 12:17:36

TestAmerica Savannah

Data File:	\\SAVCHROM\ChromData\CMSY\20141017-13845.b\1YJ1730.D				
Injection Date:	17-Oct-2014 20:20:30	Instrument ID:	CMSY		
Lims ID:	680-106200-A-62-A	Lab Sample ID:	680-106200-62		
Client ID:	CV0509KK-CS6				
Operator ID:	RM	ALS Bottle#:	30	Worklist Smp#:	30
Injection Vol:	2.0 ul	Dil. Factor:	10.0000		
Method:	8270D_LLPAH_MSY	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

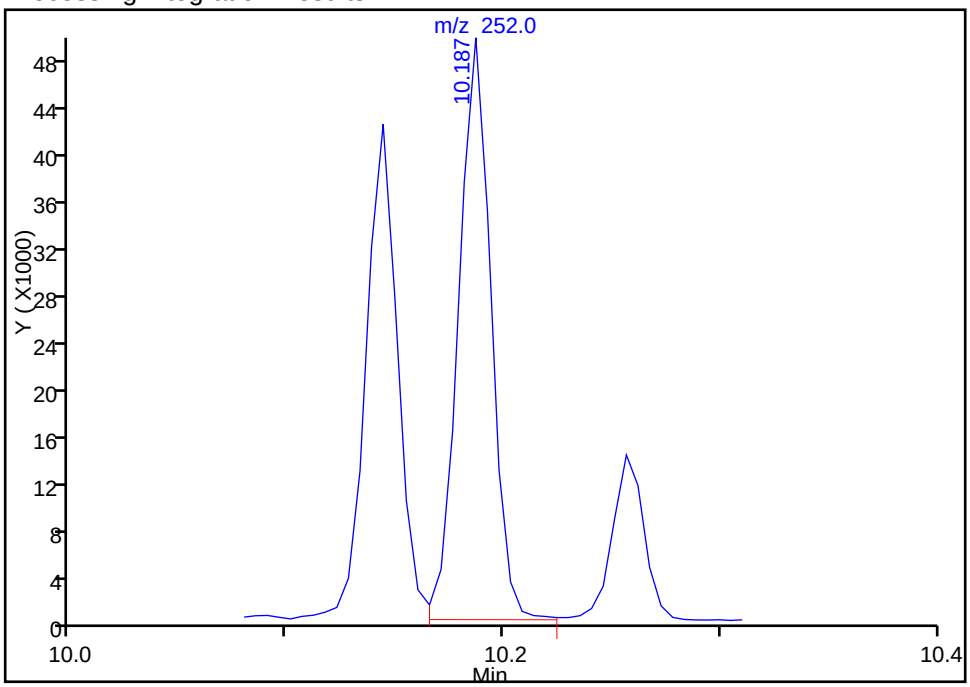
TestAmerica Savannah

Data File:	\\SAVCHROM\ChromData\CMSY\20141017-13845.b\1YJ1730.D				
Injection Date:	17-Oct-2014 20:20:30	Instrument ID:	CMSY		
Lims ID:	680-106200-A-62-A	Lab Sample ID:	680-106200-62		
Client ID:	CV0509KK-CS6				
Operator ID:	RM	ALS Bottle#:	30	Worklist Smp#:	30
Injection Vol:	2.0 ul	Dil. Factor:	10.0000		
Method:	8270D_LLPAH_MSY	Limit Group:	8270D_LL_PAH		
Column:	Restek RXi-5Sil MS (0.25 mm)	Detector	MS SCAN		

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

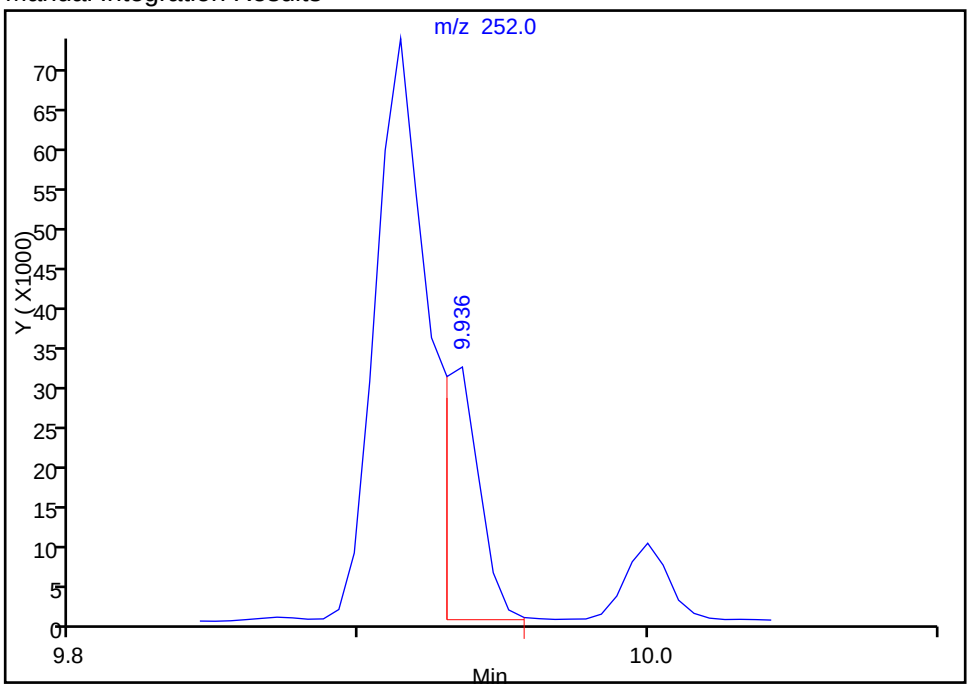
Processing Integration Results

RT: 10.19
Response: 51160
Amount: 1.054774



Manual Integration Results

RT: 9.94
Response: 28424
Amount: 0.584851



Reviewer: webbk, 20-Oct-2014 09:18:44
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.: 680-106200-4 Analy Batch No.: 352391

SDG No.: 680-106200-04

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

Calibration Start Date: 10/07/2014 13:49 Calibration End Date: 10/07/2014 16:03 Calibration ID: 34899

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 680-352391/8	3YJ0708.D
Level 2	IC 680-352391/3	3YJ0703.D
Level 3	IC 680-352391/7	3YJ0707.D
Level 4	IC 680-352391/6	3YJ0706.D
Level 5	ICIS 680-352391/2	3YJ0702.D
Level 6	IC 680-352391/5	3YJ0705.D
Level 7	IC 680-352391/4	3YJ0704.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	+++++ 1.1363	1.0270 1.0818	1.1153	1.0943	1.0909	Ave		1.0909			0.7000	3.4		20.0			
2-Methylnaphthalene	+++++ 0.7779	0.6612 0.7246	0.7342	0.7198	0.7226	Ave		0.7234			0.4000	5.2		20.0			
1-Methylnaphthalene	+++++ 0.7001	0.6231 0.6753	0.6746	0.6716	0.6801	Ave		0.6708				3.8		20.0			
Acenaphthylene	+++++ 2.0446	1.8059 1.9930	1.9378	1.9015	1.9457	Ave		1.9381			0.9000	4.2		20.0			
Acenaphthene	+++++ 1.3072	1.2117 1.2456	1.2607	1.2386	1.2069	Ave		1.2451			0.9000	2.9		20.0			
Fluorene	+++++ 1.4689	1.2612 1.4030	1.3910	1.3602	1.3633	Ave		1.3746			0.9000	5.0		20.0			
Phenanthrene	+++++ 1.2626	1.1548 1.1798	1.2136	1.2211	1.1495	Ave		1.1969			0.7000	3.6		20.0			
Anthracene	+++++ 1.2918	1.1073 1.2093	1.2065	1.1828	1.1447	Ave		1.1904			0.7000	5.3		20.0			
Fluoranthene	+++++ 1.3888	1.1749 1.2570	1.2939	1.2790	1.2179	Ave		1.2686			0.6000	5.8		20.0			
Pyrene	+++++ 1.3119	1.5113 1.2812	1.5149	1.4425	1.2514	QuaF		1.3099	-0.001378						1.0000		0.9900
Benzo[a]anthracene	+++++ 1.2224	1.1733 1.1614	1.1982	1.1696	1.0932	Ave		1.1697			0.7000	3.7		20.0			
Chrysene	+++++ 1.0714	1.0918 0.9797	1.1703	1.1117	1.0256	QuaF		1.1181	-0.006828						1.0000		0.9900
Benzo[b]fluoranthene	+++++ 1.3572	1.3152 1.2777	1.3389	1.3118	1.2917	Ave		1.3154			0.4000	2.2		20.0			
Benzo[k]fluoranthene	+++++ 1.2624	1.2919 1.1675	1.3118	1.3264	1.1488	QuaF		1.2791	-0.005426						0.9990		0.9900

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.: 680-106200-4 Analy Batch No.: 352391

SDG No.: 680-106200-04

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

Calibration Start Date: 10/07/2014 13:49 Calibration End Date: 10/07/2014 16:03 Calibration ID: 34899

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[a]pyrene	+++++ 1.1532	1.1206 1.0585	1.0966	1.0477	1.0150	Ave		1.0819			0.4000	4.7		20.0			
Indeno[1,2,3-cd]pyrene	+++++ 1.1580	0.9361 1.0944	0.8456	0.8686	0.9555	QuaF		1.0980	0.0000789						0.9970		0.9900
Dibenz(a,h)anthracene	+++++ 1.0021	0.8344 0.9696	0.7806	0.7884	0.8481	QuaF		0.9451	0.0014067						0.9980		0.9900
Benzo[g,h,i]perylene	+++++ 1.0399	0.9594 1.0106	0.9208	0.9202	0.8901	QuaF		0.9856	0.0014215						0.9990		0.9900
o-Terphenyl	+++++ 0.6535	0.8305 0.6754	0.7708	0.7416	0.6477	QuaF		0.6376	0.0018738						1.0000		0.9900

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.: 680-106200-4 Analy Batch No.: 352391

SDG No.: 680-106200-04

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

Calibration Start Date: 10/07/2014 13:49 Calibration End Date: 10/07/2014 16:03 Calibration ID: 34899

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 680-352391/8	3YJ0708.D
Level 2	IC 680-352391/3	3YJ0703.D
Level 3	IC 680-352391/7	3YJ0707.D
Level 4	IC 680-352391/6	3YJ0706.D
Level 5	ICIS 680-352391/2	3YJ0702.D
Level 6	IC 680-352391/5	3YJ0705.D
Level 7	IC 680-352391/4	3YJ0704.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	+++++ 964452	8751 1773946	48936	90133	459963	+++++ 10.0	0.100 20.0	0.500	1.00	5.00
2-Methylnaphthalene	NPT	Ave	+++++ 660260	5634 1188296	32217	59286	304670	+++++ 10.0	0.100 20.0	0.500	1.00	5.00
1-Methylnaphthalene	NPT	Ave	+++++ 594286	5309 1107422	29600	55320	286758	+++++ 10.0	0.100 20.0	0.500	1.00	5.00
Acenaphthylene	ANT	Ave	+++++ 984374	8567 1872059	48345	88431	468419	+++++ 10.0	0.100 20.0	0.500	1.00	5.00
Acenaphthene	ANT	Ave	+++++ 629354	5748 1170070	31454	57601	290570	+++++ 10.0	0.100 20.0	0.500	1.00	5.00
Fluorene	ANT	Ave	+++++ 707217	5983 1317917	34703	63258	328207	+++++ 10.0	0.100 20.0	0.500	1.00	5.00
Phenanthrene	PHN	Ave	+++++ 1000362	8796 1808843	49964	91172	455557	+++++ 10.0	0.100 20.0	0.500	1.00	5.00
Anthracene	PHN	Ave	+++++ 1023441	8434 1854025	49674	88310	453638	+++++ 10.0	0.100 20.0	0.500	1.00	5.00
Fluoranthene	PHN	Ave	+++++ 1100311	8949 1927157	53273	95493	482649	+++++ 10.0	0.100 20.0	0.500	1.00	5.00
Pyrene	CRY	QuaF	+++++ 1137446	9619 2023259	56170	100594	508195	+++++ 10.0	0.100 20.0	0.500	1.00	5.00
Benzo[a]anthracene	CRY	Ave	+++++ 1059805	7468 1834130	44427	81565	443973	+++++ 10.0	0.100 20.0	0.500	1.00	5.00
Chrysene	CRY	QuaF	+++++ 928920	6949 1547225	43392	77530	416500	+++++ 10.0	0.100 20.0	0.500	1.00	5.00
Benzo[b]fluoranthene	PRY	Ave	+++++ 1119453	7555 1888196	42808	77999	471572	+++++ 10.0	0.100 20.0	0.500	1.00	5.00
Benzo[k]fluoranthene	PRY	QuaF	+++++ 1041281	7421 1725338	41943	78870	419405	+++++ 10.0	0.100 20.0	0.500	1.00	5.00
Benzo[a]pyrene	PRY	Ave	+++++ 951241	6437 1564180	35063	62294	370555	+++++ 10.0	0.100 20.0	0.500	1.00	5.00

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

Lab Name: TestAmerica Savannah Job No.: 680-106200-4 Analy Batch No.: 352391

SDG No.: 680-106200-04

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

Calibration Start Date: 10/07/2014 13:49 Calibration End Date: 10/07/2014 16:03 Calibration ID: 34899

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
Indeno[1,2,3-cd]pyrene	CRY	QuaF	+++++ 1003977	5958 1728326	31354	60575	388015	+++++ 10.0	0.100 20.0	0.500	1.00	5.00
Dibenz(a,h)anthracene	PRY	QuaF	+++++ 826573	4793 1432796	24958	46877	309607	+++++ 10.0	0.100 20.0	0.500	1.00	5.00
Benzo[g,h,i]perylene	PRY	QuaF	+++++ 857781	5511 1493507	29442	54713	324945	+++++ 10.0	0.100 20.0	0.500	1.00	5.00
o-Terphenyl	CRY	QuaF	+++++ 566554	5286 1066658	28580	51716	263046	+++++ 10.0	0.100 20.0	0.500	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\CMSY\20141007-13559.b\3YJ0702.D
Lims ID: ICIS
Client ID:
Sample Type: ICIS Calib Level: 5
Inject. Date: 07-Oct-2014 13:49:30 ALS Bottle#: 2 Worklist Smp#: 2
Injection Vol: 2.0 ul Dil. Factor: 1.0000
Sample Info: ICIS
Misc. Info.: 680-0013559-002
Operator ID: RM Instrument ID: CMSY
Sublist: chrom-8270D_LLPAH_MSY*sub5

Method: \\SAVCHROM\ChromData\CMSY\20141007-13559.b\8270D_LLPAH_MSY.m
Limit Group: 8270D_LL_PAH
Last Update: 08-Oct-2014 12:15:26 Calib Date: 07-Oct-2014 15:41:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\SAVCHROM\ChromData\CMSY\20141007-13559.b\3YJ0707.D

Column 1 : Restek RXi-5Sil MS (0.25 mm) Det: MS SCAN
Process Host: XAWRK053

First Level Reviewer: webbk Date: 07-Oct-2014 14:42:56

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	3.226	3.226	0.000	98	168653	2.00	2.00	
* 2 Acenaphthene-d10	164	4.969	4.969	0.000	92	96300	2.00	2.00	
* 3 Phenanthrene-d10	188	6.574	6.574	0.000	98	158524	2.00	2.00	
* 4 Chrysene-d12	240	9.462	9.462	0.000	99	162442	2.00	2.00	
* 5 Perylene-d12	264	10.821	10.821	0.000	98	146029	2.00	2.00	
$ 6 o-Terphenyl	230	7.045	7.045	0.000	91	263046	5.00	5.01	
7 Naphthalene	128	3.247	3.247	0.000	99	459963	5.00	5.00	
8 2-Methylnaphthalene	142	3.905	3.905	0.000	87	304670	5.00	4.99	
9 1-Methylnaphthalene	142	4.001	4.001	0.000	92	286758	5.00	5.07	
11 Acenaphthylene	152	4.814	4.814	0.000	98	468419	5.00	5.02	
12 Acenaphthene	153	5.007	5.007	0.000	93	290570	5.00	4.85	
14 Fluorene	166	5.558	5.558	0.000	96	328207	5.00	4.96	
15 Phenanthrene	178	6.601	6.601	0.000	96	455557	5.00	4.80	
16 Anthracene	178	6.654	6.654	0.000	99	453638	5.00	4.81	
17 Fluoranthene	202	7.917	7.917	0.000	98	482649	5.00	4.80	
18 Pyrene	202	8.157	8.157	0.000	98	508195	5.00	4.80	
19 Benzo[a]anthracene	228	9.452	9.452	0.000	98	443973	5.00	4.67	
20 Chrysene	228	9.489	9.489	0.000	99	416500	5.00	4.72	
21 Benzo[b]fluoranthene	252	10.489	10.489	0.000	99	471572	5.00	4.91	
22 Benzo[k]fluoranthene	252	10.516	10.516	0.000	99	419405	5.00	4.58	
23 Benzo[a]pyrene	252	10.773	10.773	0.000	98	370555	5.00	4.69	
24 Indeno[1,2,3-cd]pyrene	276	11.810	11.810	0.000	99	388015	5.00	4.35	
25 Dibenz(a,h)anthracene	278	11.837	11.837	0.000	96	309607	5.00	4.46	
26 Benzo[g,h,i]perylene	276	12.094	12.094	0.000	98	324945	5.00	4.49	

Reagents:

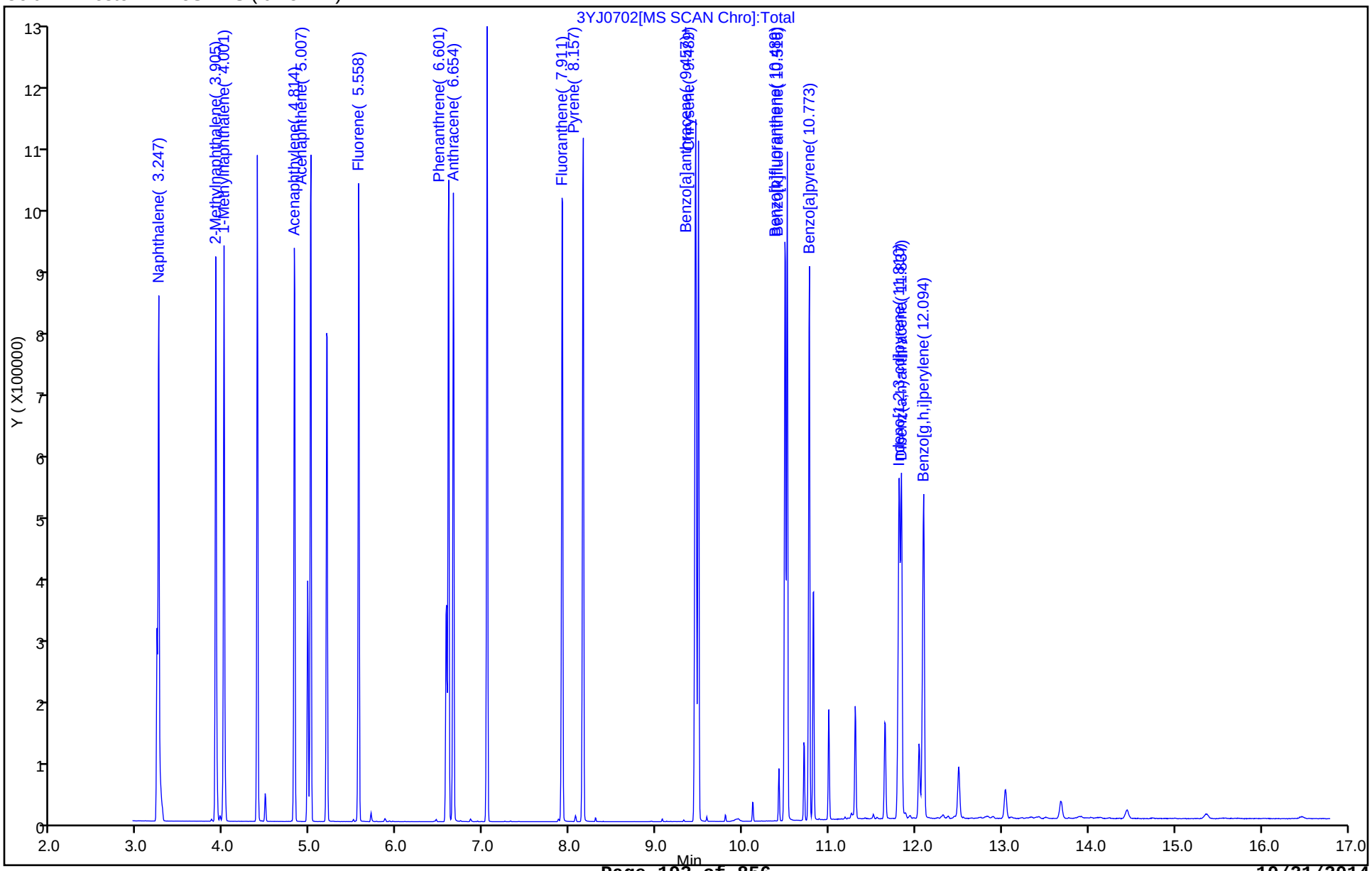
SMLLPAH5.0LVI_00022 Amount Added: 1.00 Units: mL

Report Date: 08-Oct-2014 12:15:26 Chrom Revision: 2.2 18-Aug-2014 12:17:36

TestAmerica Savannah

Data File:	\\SAVCHROM\ChromData\CMSY\20141007-13559.b\3YJ0702.D				
Injection Date:	07-Oct-2014 13:49:30	Instrument ID:	CMSY	Operator ID:	RM
Lims ID:	ICIS			Worklist Smp#:	2
Client ID:					
Injection Vol:	2.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	2
Method:	8270D_LLPAH_MSY	Limit Group:	8270D_LL_PAH		

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



TestAmerica Savannah
Target Compound Quantitation Report

Data File: \\SAVCHROM\ChromData\CMSY\20141007-13559.b\3YJ0703.D
Lims ID: IC
Client ID:
Sample Type: IC Calib Level: 1
Inject. Date: 07-Oct-2014 14:12:30 ALS Bottle#: 3 Worklist Smp#: 3
Injection Vol: 2.0 ul Dil. Factor: 1.0000
Sample Info: IC
Misc. Info.: 680-0013559-003
Operator ID: RM Instrument ID: CMSY
Sublist: chrom-8270D_LLPAH_MSY*sub5

Method: \\SAVCHROM\ChromData\CMSY\20141007-13559.b\8270D_LLPAH_MSY.m
Limit Group: 8270D_LL_PAH
Last Update: 08-Oct-2014 12:15:27 Calib Date: 07-Oct-2014 15:41:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\SAVCHROM\ChromData\CMSY\20141007-13559.b\3YJ0707.D

Column 1 : Restek RXi-5Sil MS (0.25 mm) Det: MS SCAN
Process Host: XAWRK053

First Level Reviewer: webbk Date: 07-Oct-2014 14:43:32

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	3.226	3.226	0.000	98	170415	2.00	2.00	
* 2 Acenaphthene-d10	164	4.969	4.969	0.000	91	94877	2.00	2.00	
* 3 Phenanthrene-d10	188	6.569	6.569	0.000	98	152335	2.00	2.00	
* 4 Chrysene-d12	240	9.457	9.457	0.000	99	127296	2.00	2.00	
* 5 Perylene-d12	264	10.815	10.815	0.000	99	114884	2.00	2.00	
$ 6 o-Terphenyl	230	7.039	7.039	0.000	92	5286	0.1000	0.1302	
7 Naphthalene	128	3.242	3.242	0.000	98	8751	0.1000	0.0941	
8 2-Methylnaphthalene	142	3.905	3.905	0.000	85	5634	0.1000	0.0914	
9 1-Methylnaphthalene	142	4.001	4.001	0.000	92	5309	0.1000	0.0929	
11 Acenaphthylene	152	4.814	4.814	0.000	98	8567	0.1000	0.0932	
12 Acenaphthene	153	5.001	5.001	0.000	94	5748	0.1000	0.0973	
14 Fluorene	166	5.558	5.558	0.000	96	5983	0.1000	0.0918	
15 Phenanthrene	178	6.595	6.595	0.000	95	8796	0.1000	0.0965	
16 Anthracene	178	6.649	6.649	0.000	99	8434	0.1000	0.0930	
17 Fluoranthene	202	7.906	7.906	0.000	98	8949	0.1000	0.0926	
18 Pyrene	202	8.146	8.146	0.000	97	9619	0.1000	0.1154	
19 Benzo[a]anthracene	228	9.446	9.446	0.000	98	7468	0.1000	0.1003	
20 Chrysene	228	9.478	9.478	0.000	99	6949	0.1000	0.0977	
21 Benzo[b]fluoranthene	252	10.484	10.484	0.000	99	7555	0.1000	0.1000	
22 Benzo[k]fluoranthene	252	10.505	10.505	0.000	99	7421	0.1000	0.1010	
23 Benzo[a]pyrene	252	10.762	10.762	0.000	97	6437	0.1000	0.1036	
24 Indeno[1,2,3-cd]pyrene	276	11.800	11.800	0.000	98	5958	0.1000	0.0853	
25 Dibenz(a,h)anthracene	278	11.826	11.826	0.000	95	4793	0.1000	0.0883	
26 Benzo[g,h,i]perylene	276	12.072	12.072	0.000	97	5511	0.1000	0.0973	

Reagents:

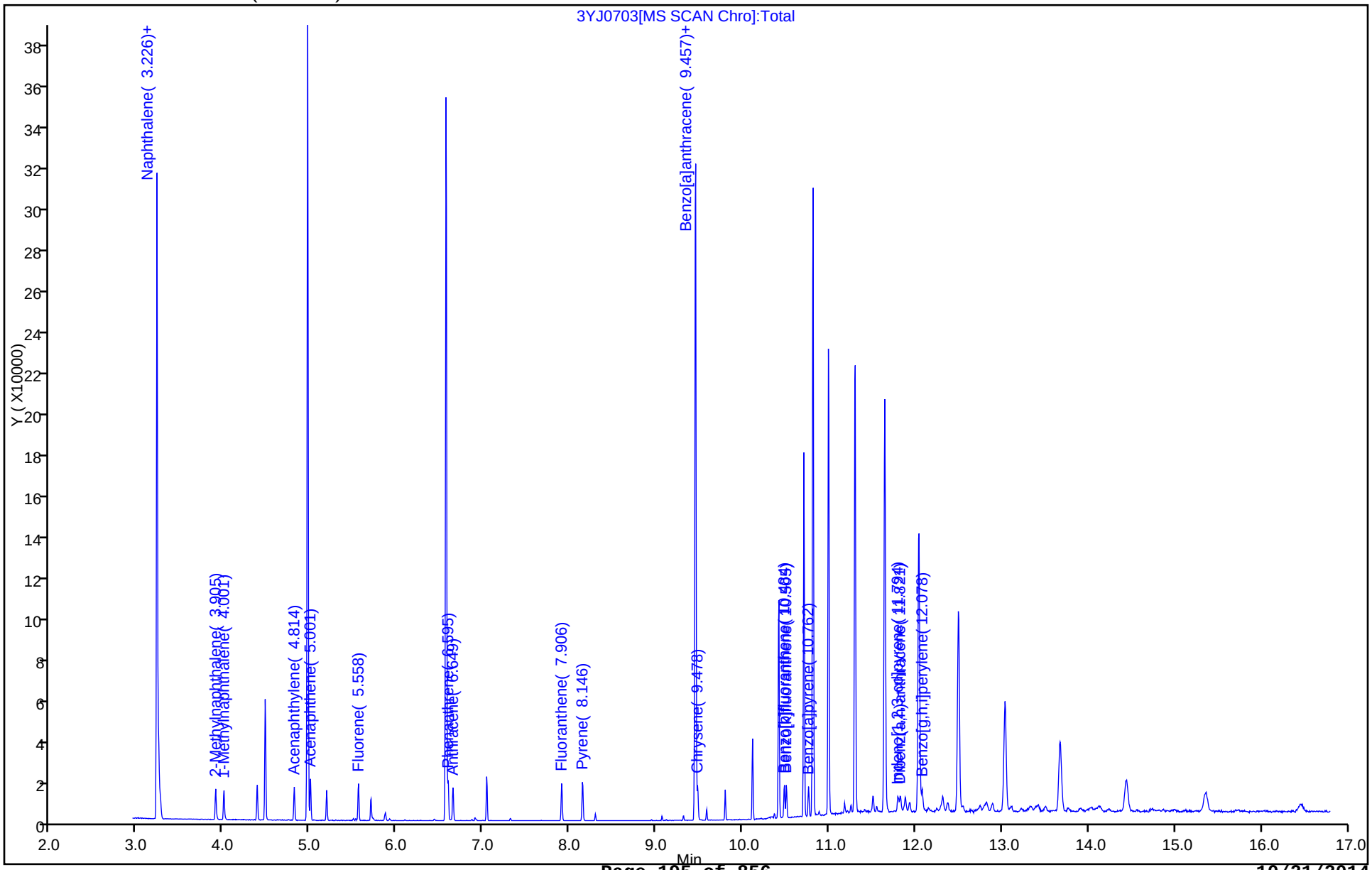
SMLLPAH0.1LVI_00019 Amount Added: 1.00 Units: mL

Report Date: 08-Oct-2014 12:15:28 Chrom Revision: 2.2 18-Aug-2014 12:17:36

TestAmerica Savannah

Data File:	\\SAVCHROM\ChromData\CMSY\20141007-13559.b\3YJ0703.D				
Injection Date:	07-Oct-2014 14:12:30	Instrument ID:	CMSY	Operator ID:	RM
Lims ID:	IC			Worklist Smp#:	3
Client ID:					
Injection Vol:	2.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	3
Method:	8270D_LLPAH_MSY	Limit Group:	8270D_LL_PAH		

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



TestAmerica Savannah
Target Compound Quantitation Report

Data File: \\SAVCHROM\ChromData\CMSY\20141007-13559.b\3YJ0704.D
Lims ID: IC
Client ID:
Sample Type: IC Calib Level: 7
Inject. Date: 07-Oct-2014 14:34:30 ALS Bottle#: 4 Worklist Smp#: 4
Injection Vol: 2.0 ul Dil. Factor: 1.0000
Sample Info: IC
Misc. Info.: 680-0013559-004
Operator ID: RM Instrument ID: CMSY
Sublist: chrom-8270D_LLPAH_MSY*sub5

Method: \\SAVCHROM\ChromData\CMSY\20141007-13559.b\8270D_LLPAH_MSY.m
Limit Group: 8270D_LL_PAH
Last Update: 08-Oct-2014 12:15:28 Calib Date: 07-Oct-2014 15:41:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\SAVCHROM\ChromData\CMSY\20141007-13559.b\3YJ0707.D

Column 1 : Restek RXi-5Sil MS (0.25 mm) Det: MS SCAN
Process Host: XAWRK053

First Level Reviewer: webbk Date: 07-Oct-2014 15:17:52

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	3.231	3.226	0.005	98	163986	2.00	2.00	
* 2 Acenaphthene-d10	164	4.975	4.969	0.006	91	93934	2.00	2.00	
* 3 Phenanthrene-d10	188	6.574	6.569	0.005	98	153315	2.00	2.00	
* 4 Chrysene-d12	240	9.473	9.457	0.016	99	157923	2.00	2.00	
* 5 Perylene-d12	264	10.821	10.815	0.006	98	147777	2.00	2.00	
$ 6 o-Terphenyl	230	7.055	7.039	0.016	90	1066658	20.0	20.0	
7 Naphthalene	128	3.252	3.242	0.010	99	1773946	20.0	19.8	
8 2-Methylnaphthalene	142	3.916	3.905	0.011	87	1188296	20.0	20.0	
9 1-Methylnaphthalene	142	4.012	4.001	0.011	92	1107422	20.0	20.1	
11 Acenaphthylene	152	4.825	4.814	0.011	98	1872059	20.0	20.6	
12 Acenaphthene	153	5.017	5.001	0.016	93	1170070	20.0	20.0	
14 Fluorene	166	5.568	5.558	0.010	96	1317917	20.0	20.4	
15 Phenanthrene	178	6.611	6.595	0.016	97	1808843	20.0	19.7	
16 Anthracene	178	6.670	6.649	0.021	99	1854025	20.0	20.3	
17 Fluoranthene	202	7.927	7.906	0.021	98	1927157	20.0	19.8	
18 Pyrene	202	8.168	8.146	0.022	97	2023259	20.0	20.0	
19 Benzo[a]anthracene	228	9.462	9.446	0.016	98	1834130	20.0	19.9	
20 Chrysene	228	9.505	9.478	0.027	99	1547225	20.0	20.0	
21 Benzo[b]fluoranthene	252	10.505	10.484	0.021	99	1888196	20.0	19.4	
22 Benzo[k]fluoranthene	252	10.532	10.505	0.027	99	1725338	20.0	19.9	
23 Benzo[a]pyrene	252	10.783	10.762	0.021	97	1564180	20.0	19.6	
24 Indeno[1,2,3-cd]pyrene	276	11.832	11.800	0.032	99	1728326	20.0	19.9	
25 Dibenz(a,h)anthracene	278	11.858	11.826	0.032	96	1432796	20.0	19.9	
26 Benzo[g,h,i]perylene	276	12.126	12.072	0.054	98	1493507	20.0	19.9	

Reagents:

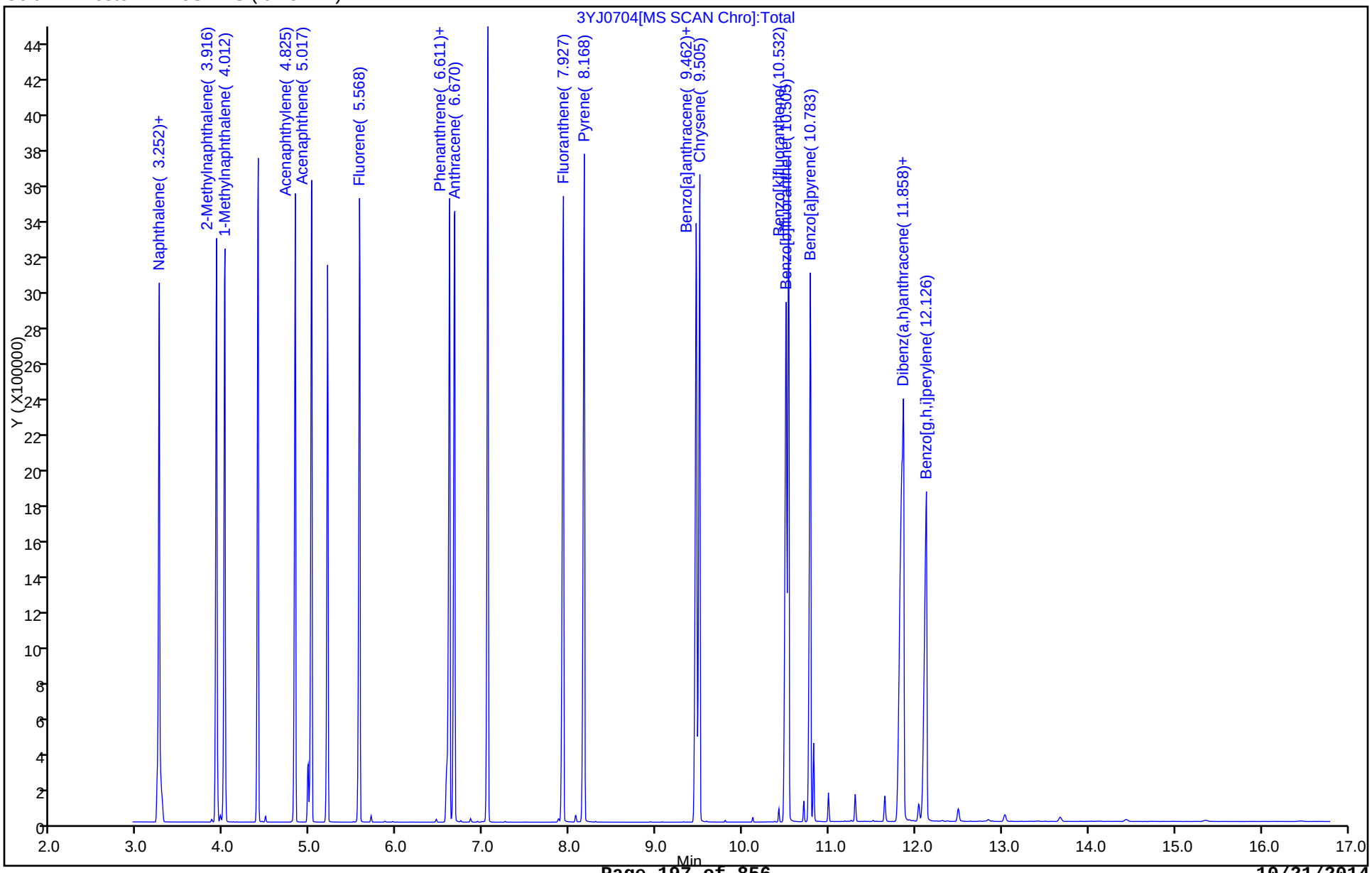
SMLLPAH20LVI_00020 Amount Added: 1.00 Units: mL

Report Date: 08-Oct-2014 12:15:29 Chrom Revision: 2.2 18-Aug-2014 12:17:36

TestAmerica Savannah

Data File:	\\SAVCHROM\ChromData\CMSY\20141007-13559.b\3YJ0704.D				
Injection Date:	07-Oct-2014 14:34:30	Instrument ID:	CMSY	Operator ID:	RM
Lims ID:	IC			Worklist Smp#:	4
Client ID:					
Injection Vol:	2.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	4
Method:	8270D_LLPAH_MSY	Limit Group:	8270D_LL_PAH		

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



TestAmerica Savannah
Target Compound Quantitation Report

Data File: \\SAVCHROM\ChromData\CMSY\20141007-13559.b\3YJ0705.D
Lims ID: IC
Client ID:
Sample Type: IC Calib Level: 6
Inject. Date: 07-Oct-2014 14:56:30 ALS Bottle#: 5 Worklist Smp#: 5
Injection Vol: 2.0 ul Dil. Factor: 1.0000
Sample Info: IC
Misc. Info.: 680-0013559-005
Operator ID: RM Instrument ID: CMSY
Sublist: chrom-8270D_LLPAH_MSY*sub5

Method: \\SAVCHROM\ChromData\CMSY\20141007-13559.b\8270D_LLPAH_MSY.m
Limit Group: 8270D_LL_PAH
Last Update: 08-Oct-2014 12:15:29 Calib Date: 07-Oct-2014 15:41:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\SAVCHROM\ChromData\CMSY\20141007-13559.b\3YJ0707.D

Column 1 : Restek RXi-5Sil MS (0.25 mm) Det: MS SCAN
Process Host: XAWRK053

First Level Reviewer: webbk Date: 07-Oct-2014 15:18:33

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	3.226	3.226	0.000	98	169760	2.00	2.00	
* 2 Acenaphthene-d10	164	4.969	4.969	0.000	92	96290	2.00	2.00	
* 3 Phenanthrene-d10	188	6.574	6.569	0.005	98	158455	2.00	2.00	
* 4 Chrysene-d12	240	9.468	9.457	0.011	99	173403	2.00	2.00	
* 5 Perylene-d12	264	10.821	10.815	0.006	98	164971	2.00	2.00	
$ 6 o-Terphenyl	230	7.050	7.039	0.011	91	566554	10.0	9.96	
7 Naphthalene	128	3.247	3.242	0.005	99	964452	10.0	10.4	
8 2-Methylnaphthalene	142	3.910	3.905	0.005	87	660260	10.0	10.8	
9 1-Methylnaphthalene	142	4.007	4.001	0.006	92	594286	10.0	10.4	
11 Acenaphthylene	152	4.820	4.814	0.006	98	984374	10.0	10.5	
12 Acenaphthene	153	5.007	5.001	0.006	93	629354	10.0	10.5	
14 Fluorene	166	5.563	5.558	0.005	96	707217	10.0	10.7	
15 Phenanthrene	178	6.606	6.595	0.011	96	1000362	10.0	10.5	
16 Anthracene	178	6.660	6.649	0.011	99	1023441	10.0	10.9	
17 Fluoranthene	202	7.922	7.906	0.016	98	1100311	10.0	10.9	
18 Pyrene	202	8.163	8.146	0.017	97	1137446	10.0	10.1	
19 Benzo[a]anthracene	228	9.457	9.446	0.011	98	1059805	10.0	10.5	
20 Chrysene	228	9.500	9.478	0.022	99	928920	10.0	10.2	
21 Benzo[b]fluoranthene	252	10.500	10.484	0.016	99	1119453	10.0	10.3	
22 Benzo[k]fluoranthene	252	10.527	10.505	0.022	99	1041281	10.0	10.3	
23 Benzo[a]pyrene	252	10.778	10.762	0.016	98	951241	10.0	10.7	
24 Indeno[1,2,3-cd]pyrene	276	11.821	11.800	0.021	99	1003977	10.0	10.5	
25 Dibenz(a,h)anthracene	278	11.848	11.826	0.022	99	826573	10.0	10.4	
26 Benzo[g,h,i]perylene	276	12.110	12.072	0.038	98	857781	10.0	10.4	

Reagents:

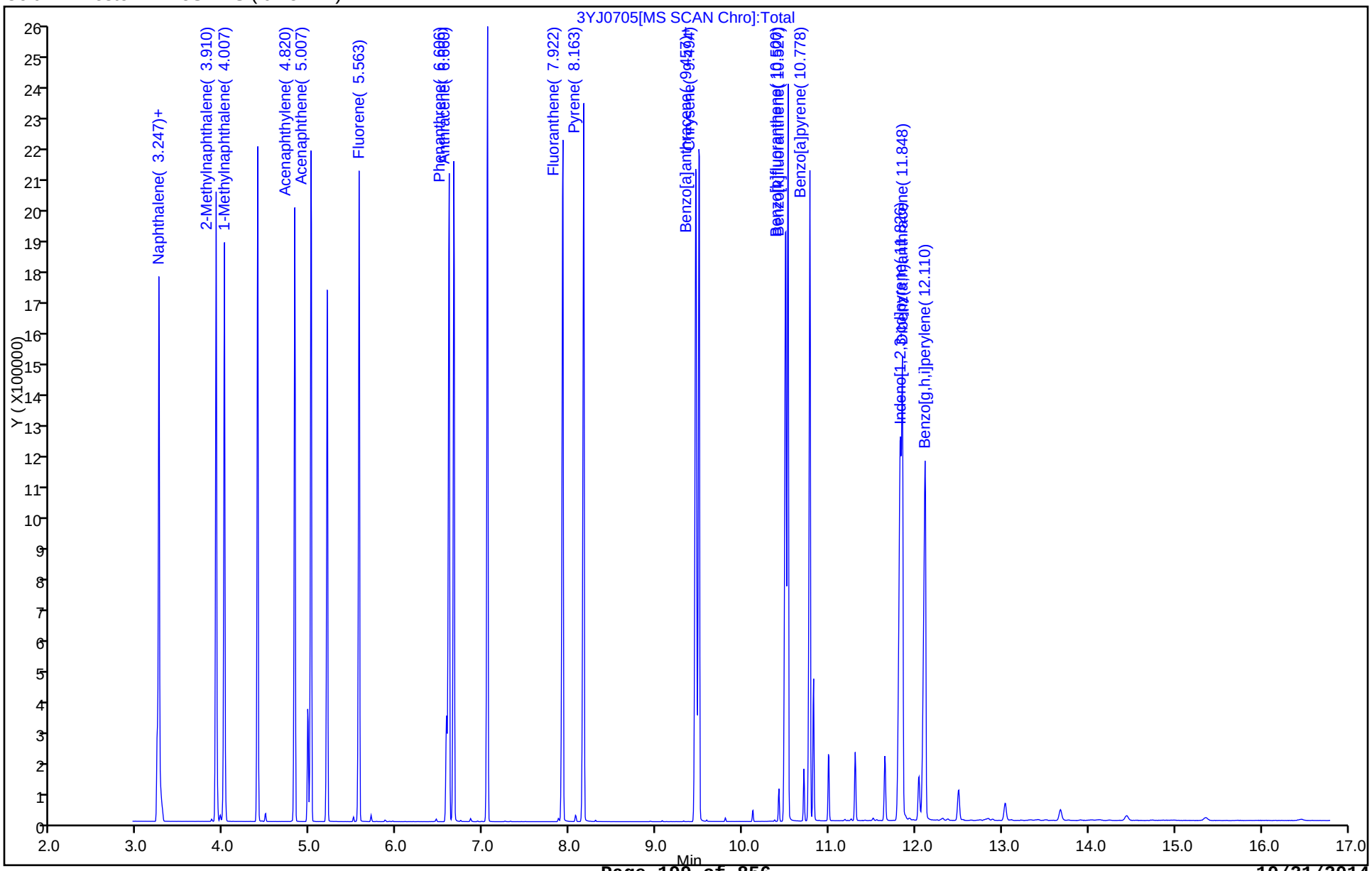
SMLLPAH10LVI_00019 Amount Added: 1.00 Units: mL

Report Date: 08-Oct-2014 12:15:30 Chrom Revision: 2.2 18-Aug-2014 12:17:36

TestAmerica Savannah

Data File:	\\SAVCHROM\ChromData\CMSY\20141007-13559.b\3YJ0705.D				
Injection Date:	07-Oct-2014 14:56:30	Instrument ID:	CMSY	Operator ID:	RM
Lims ID:	IC			Worklist Smp#:	5
Client ID:					
Injection Vol:	2.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	5
Method:	8270D_LLPAH_MSY	Limit Group:	8270D_LL_PAH		

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



TestAmerica Savannah
Target Compound Quantitation Report

Data File: \\SAVCHROM\ChromData\CMSY\20141007-13559.b\3YJ0706.D
Lims ID: IC
Client ID:
Sample Type: IC Calib Level: 4
Inject. Date: 07-Oct-2014 15:18:30 ALS Bottle#: 6 Worklist Smp#: 6
Injection Vol: 2.0 ul Dil. Factor: 1.0000
Sample Info: IC
Misc. Info.: 680-0013559-006
Operator ID: RM Instrument ID: CMSY
Sublist: chrom-8270D_LLPAH_MSY*sub5

Method: \\SAVCHROM\ChromData\CMSY\20141007-13559.b\8270D_LLPAH_MSY.m
Limit Group: 8270D_LL_PAH
Last Update: 08-Oct-2014 12:15:31 Calib Date: 07-Oct-2014 15:41:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\SAVCHROM\ChromData\CMSY\20141007-13559.b\3YJ0707.D

Column 1 : Restek RXi-5Sil MS (0.25 mm) Det: MS SCAN
Process Host: XAWRK053

First Level Reviewer: webbk Date: 07-Oct-2014 15:37:53

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	3.226	3.226	0.000	98	164737	2.00	2.00	
* 2 Acenaphthene-d10	164	4.969	4.969	0.000	92	93013	2.00	2.00	
* 3 Phenanthrene-d10	188	6.574	6.569	0.005	98	149328	2.00	2.00	
* 4 Chrysene-d12	240	9.457	9.457	0.000	99	139474	2.00	2.00	
* 5 Perylene-d12	264	10.815	10.815	0.000	99	118920	2.00	2.00	
$ 6 o-Terphenyl	230	7.045	7.039	0.006	91	51716	1.00	1.16	
7 Naphthalene	128	3.247	3.242	0.005	99	90133	1.00	1.00	
8 2-Methylnaphthalene	142	3.905	3.905	0.000	86	59286	1.00	0.99	
9 1-Methylnaphthalene	142	4.001	4.001	0.000	93	55320	1.00	1.00	
11 Acenaphthylene	152	4.814	4.814	0.000	98	88431	1.00	0.9811	
12 Acenaphthene	153	5.001	5.001	0.000	93	57601	1.00	0.99	
14 Fluorene	166	5.558	5.558	0.000	95	63258	1.00	0.9895	
15 Phenanthrene	178	6.595	6.595	0.000	96	91172	1.00	1.02	
16 Anthracene	178	6.649	6.649	0.000	99	88310	1.00	0.99	
17 Fluoranthene	202	7.911	7.906	0.005	98	95493	1.00	1.01	
18 Pyrene	202	8.152	8.146	0.006	98	100594	1.00	1.10	
19 Benzo[a]anthracene	228	9.446	9.446	0.000	98	81565	1.00	1.00	
20 Chrysene	228	9.484	9.478	0.006	99	77530	1.00	1.00	
21 Benzo[b]fluoranthene	252	10.484	10.484	0.000	99	77999	1.00	1.00	
22 Benzo[k]fluoranthene	252	10.505	10.505	0.000	99	78870	1.00	1.04	
23 Benzo[a]pyrene	252	10.762	10.762	0.000	98	62294	1.00	0.9683	
24 Indeno[1,2,3-cd]pyrene	276	11.799	11.800	-0.001	99	60575	1.00	0.7911	
25 Dibenz(a,h)anthracene	278	11.826	11.826	0.000	95	46877	1.00	0.8331	
26 Benzo[g,h,i]perylene	276	12.078	12.072	0.006	98	54713	1.00	0.9323	

Reagents:

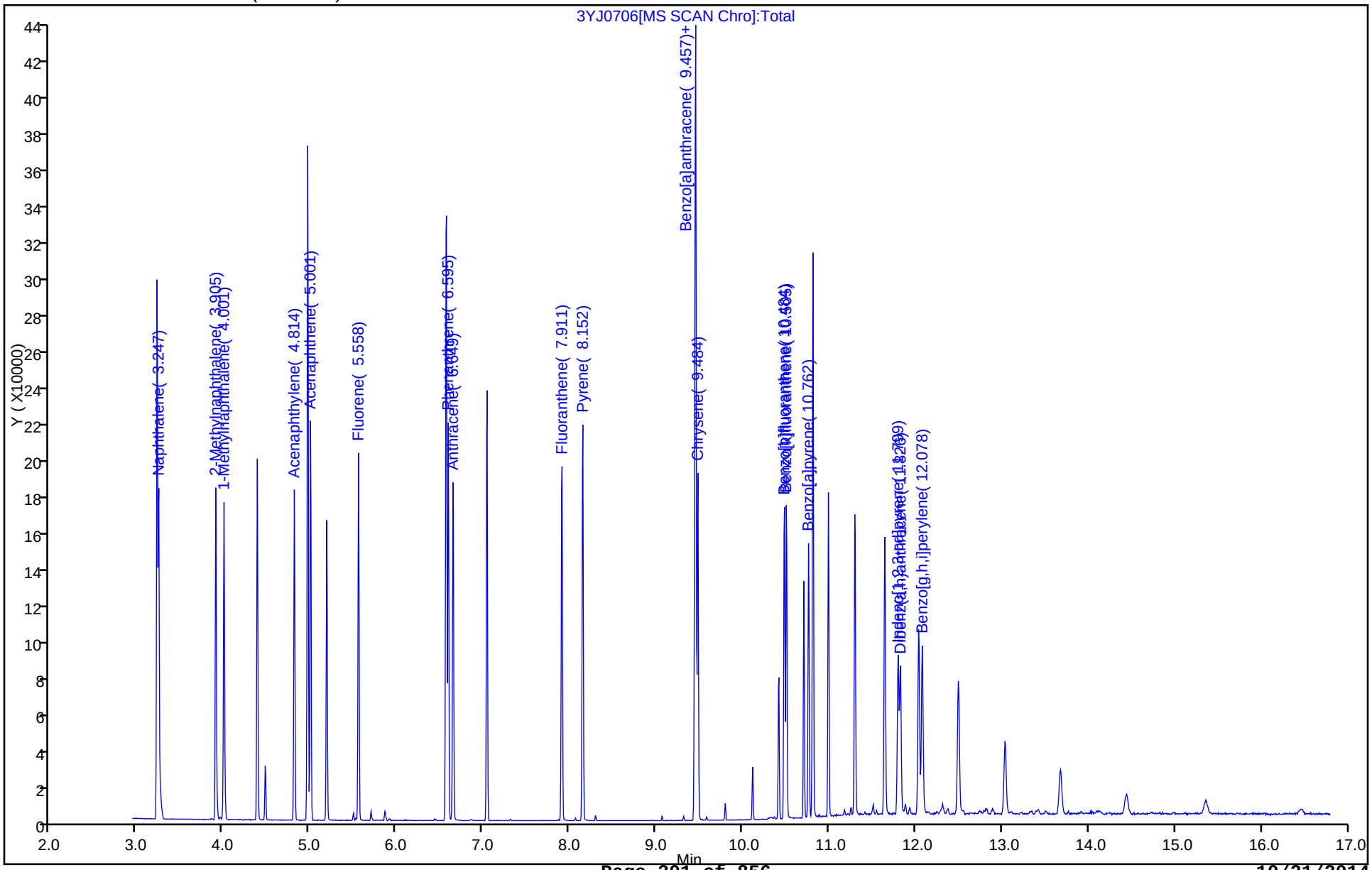
SMLLPAH1.0LVI_00017 Amount Added: 1.00 Units: mL

Report Date: 08-Oct-2014 12:15:31 Chrom Revision: 2.2 18-Aug-2014 12:17:36

TestAmerica Savannah

Data File:	\\SAVCHROM\ChromData\CMSY\20141007-13559.b\3YJ0706.D				
Injection Date:	07-Oct-2014 15:18:30	Instrument ID:	CMSY	Operator ID:	RM
Lims ID:	IC			Worklist Smp#:	6
Client ID:					
Injection Vol:	2.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	6
Method:	8270D_LLPAH_MSY	Limit Group:	8270D_LL_PAH		

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



TestAmerica Savannah
Target Compound Quantitation Report

Data File: \\SAVCHROM\ChromData\CMSY\20141007-13559.b\3YJ0707.D
Lims ID: IC
Client ID:
Sample Type: IC Calib Level: 3
Inject. Date: 07-Oct-2014 15:41:30 ALS Bottle#: 7 Worklist Smp#: 7
Injection Vol: 2.0 ul Dil. Factor: 1.0000
Sample Info: IC
Misc. Info.: 680-0013559-007
Operator ID: RM Instrument ID: CMSY
Sublist: chrom-8270D_LLPAH_MSY*sub5

Method: \\SAVCHROM\ChromData\CMSY\20141007-13559.b\8270D_LLPAH_MSY.m
Limit Group: 8270D_LL_PAH
Last Update: 08-Oct-2014 12:15:32 Calib Date: 07-Oct-2014 15:41:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\SAVCHROM\ChromData\CMSY\20141007-13559.b\3YJ0707.D

Column 1 : Restek RXi-5Sil MS (0.25 mm) Det: MS SCAN
Process Host: XAWRK053

First Level Reviewer: webbk Date: 07-Oct-2014 16:38:23

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	3.226	3.226	0.000	98	175515	2.00	2.00	
* 2 Acenaphthene-d10	164	4.969	4.969	0.000	92	99795	2.00	2.00	
* 3 Phenanthrene-d10	188	6.569	6.569	0.000	98	164687	2.00	2.00	
* 4 Chrysene-d12	240	9.457	9.457	0.000	99	148317	2.00	2.00	
* 5 Perylene-d12	264	10.815	10.815	0.000	99	127894	2.00	2.00	
$ 6 o-Terphenyl	230	7.045	7.039	0.006	91	28580	0.5000	0.6034	
7 Naphthalene	128	3.247	3.242	0.005	99	48936	0.5000	0.5112	
8 2-Methylnaphthalene	142	3.905	3.905	0.000	87	32217	0.5000	0.5075	
9 1-Methylnaphthalene	142	4.001	4.001	0.000	91	29600	0.5000	0.5028	
11 Acenaphthylene	152	4.814	4.814	0.000	98	48345	0.5000	0.4999	
12 Acenaphthene	153	5.001	5.001	0.000	93	31454	0.5000	0.5063	
14 Fluorene	166	5.558	5.558	0.000	96	34703	0.5000	0.5060	
15 Phenanthrene	178	6.595	6.595	0.000	97	49964	0.5000	0.5070	
16 Anthracene	178	6.649	6.649	0.000	99	49674	0.5000	0.5068	
17 Fluoranthene	202	7.911	7.906	0.005	98	53273	0.5000	0.5100	
18 Pyrene	202	8.152	8.146	0.006	98	56170	0.5000	0.5786	
19 Benzo[a]anthracene	228	9.446	9.446	0.000	98	44427	0.5000	0.5122	
20 Chrysene	228	9.484	9.478	0.006	99	43392	0.5000	0.5250	
21 Benzo[b]fluoranthene	252	10.484	10.484	0.000	99	42808	0.5000	0.5089	
22 Benzo[k]fluoranthene	252	10.505	10.505	0.000	99	41943	0.5000	0.5139	
23 Benzo[a]pyrene	252	10.762	10.762	0.000	98	35063	0.5000	0.5068	
24 Indeno[1,2,3-cd]pyrene	276	11.800	11.800	0.000	99	31354	0.5000	0.3851	
25 Dibenz(a,h)anthracene	278	11.826	11.826	0.000	95	24958	0.5000	0.4127	
26 Benzo[g,h,i]perylene	276	12.078	12.072	0.006	98	29442	0.5000	0.4668	

Reagents:

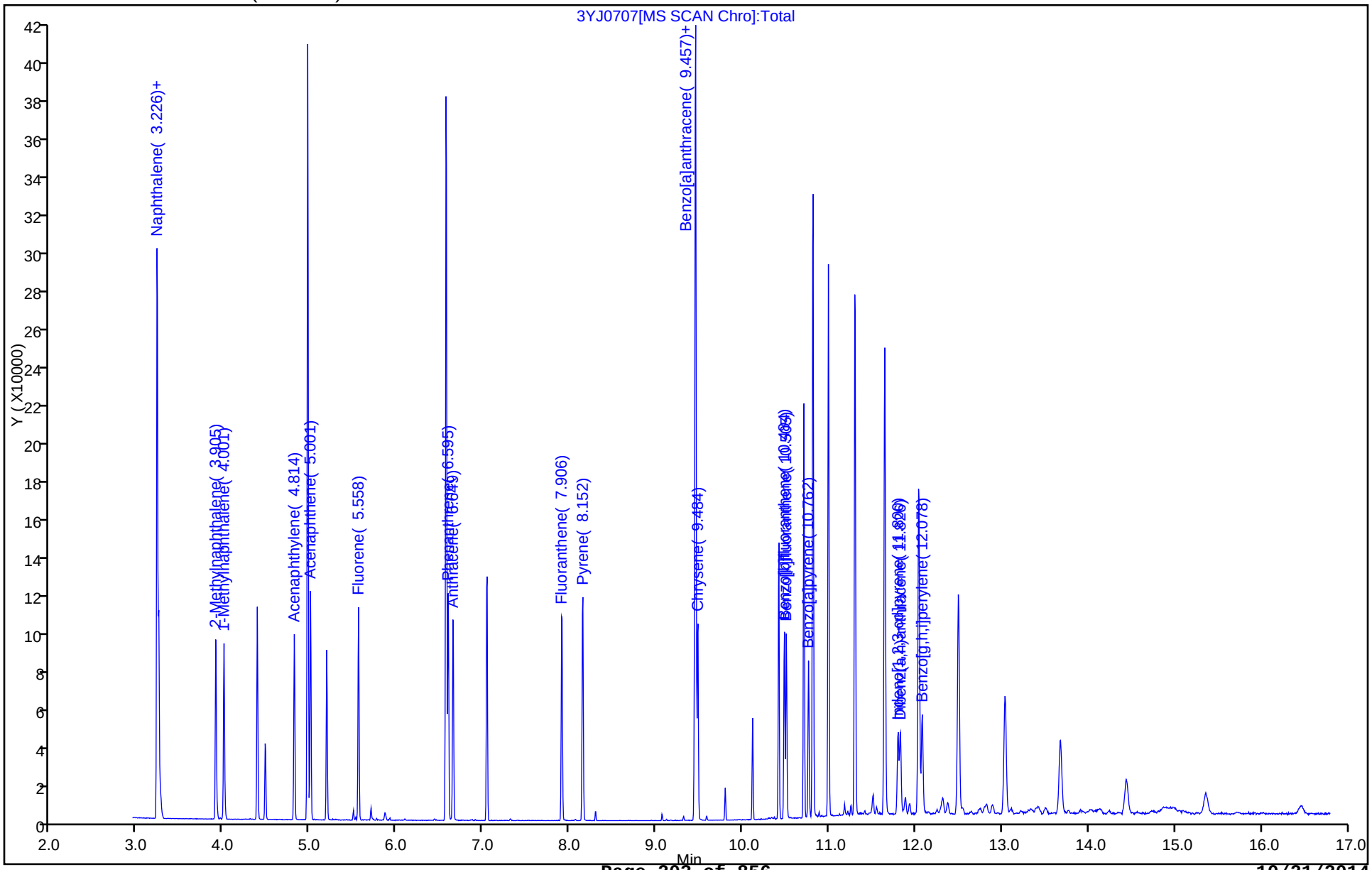
SMLLPAH0.5LVI_00019 Amount Added: 1.00 Units: mL

Report Date: 08-Oct-2014 12:15:32 Chrom Revision: 2.2 18-Aug-2014 12:17:36

TestAmerica Savannah

Data File:	\\SAVCHROM\ChromData\CMSY\20141007-13559.b\3YJ0707.D				
Injection Date:	07-Oct-2014 15:41:30	Instrument ID:	CMSY	Operator ID:	RM
Lims ID:	IC			Worklist Smp#:	7
Client ID:					
Injection Vol:	2.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	7
Method:	8270D_LLPAH_MSY	Limit Group:	8270D_LL_PAH		

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



TestAmerica Savannah
Target Compound Quantitation Report

Data File: \\SAVCHROM\ChromData\CMSY\20141007-13559.b\3YJ0708.D
Lims ID: IC
Client ID:
Sample Type: IC Calib Level: 2
Inject. Date: 07-Oct-2014 16:03:30 ALS Bottle#: 8 Worklist Smp#: 8
Injection Vol: 2.0 ul Dil. Factor: 1.0000
Sample Info: IC
Misc. Info.: 680-0013559-008
Operator ID: RM Instrument ID: CMSY
Sublist: chrom-8270D_LLPAH_MSY*sub5

Method: \\SAVCHROM\ChromData\CMSY\20141007-13559.b\8270D_LLPAH_MSY.m
Limit Group: 8270D_LL_PAH
Last Update: 08-Oct-2014 12:15:33 Calib Date: 07-Oct-2014 16:03:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\SAVCHROM\ChromData\CMSY\20141007-13559.b\3YJ0708.D

Column 1 : Restek RXi-5Sil MS (0.25 mm) Det: MS SCAN
Process Host: XAWRK053

First Level Reviewer: webbk Date: 07-Oct-2014 16:46:43

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	3.226	3.226	0.000	98	167567	2.00	2.00	
* 2 Acenaphthene-d10	164	4.969	4.969	0.000	91	92308	2.00	2.00	
* 3 Phenanthrene-d10	188	6.574	6.569	0.005	98	151668	2.00	2.00	
* 4 Chrysene-d12	240	9.457	9.457	0.000	99	137662	2.00	2.00	
* 5 Perylene-d12	264	10.815	10.815	0.000	99	116090	2.00	2.00	
$ 6 o-Terphenyl	230	7.045	7.039	0.006	91	11858		0.2700	
7 Naphthalene	128	3.247	3.242	0.005	99	19313		0.2113	
8 2-Methylnaphthalene	142	3.905	3.905	0.000	88	12761		0.2106	
9 1-Methylnaphthalene	142	4.001	4.001	0.000	91	11490		0.2044	
10 1,1'-Biphenyl	154	4.386	4.386	0.000	0	15118		NC	
11 Acenaphthylene	152	4.814	4.814	0.000	98	18624		0.2082	
12 Acenaphthene	153	5.001	5.001	0.000	93	12260		0.2133	
14 Fluorene	166	5.558	5.558	0.000	96	13626		0.2148	
15 Phenanthrene	178	6.595	6.595	0.000	96	19732		0.2174	
16 Anthracene	178	6.649	6.649	0.000	99	18978		0.2102	
17 Fluoranthene	202	7.906	7.906	0.000	98	21180		0.2202	
18 Pyrene	202	8.152	8.146	0.006	97	21800		0.2418	
19 Benzo[a]anthracene	228	9.446	9.446	0.000	97	17764		0.2206	
20 Chrysene	228	9.478	9.478	0.000	99	16747		0.2179	
21 Benzo[b]fluoranthene	252	10.484	10.484	0.000	99	16783		0.2198	
22 Benzo[k]fluoranthene	252	10.505	10.505	0.000	99	15807		0.2131	
23 Benzo[a]pyrene	252	10.762	10.762	0.000	97	13420		0.2137	
24 Indeno[1,2,3-cd]pyrene	276	11.800	11.800	0.000	98	12300		0.1628	
25 Dibenz(a,h)anthracene	278	11.826	11.826	0.000	95	9638		0.1756	
26 Benzo[g,h,i]perylene	276	12.078	12.072	0.006	98	11098		0.1939	

QC Flag Legend

Processing Flags

NC - Not Calibrated

Reagents:

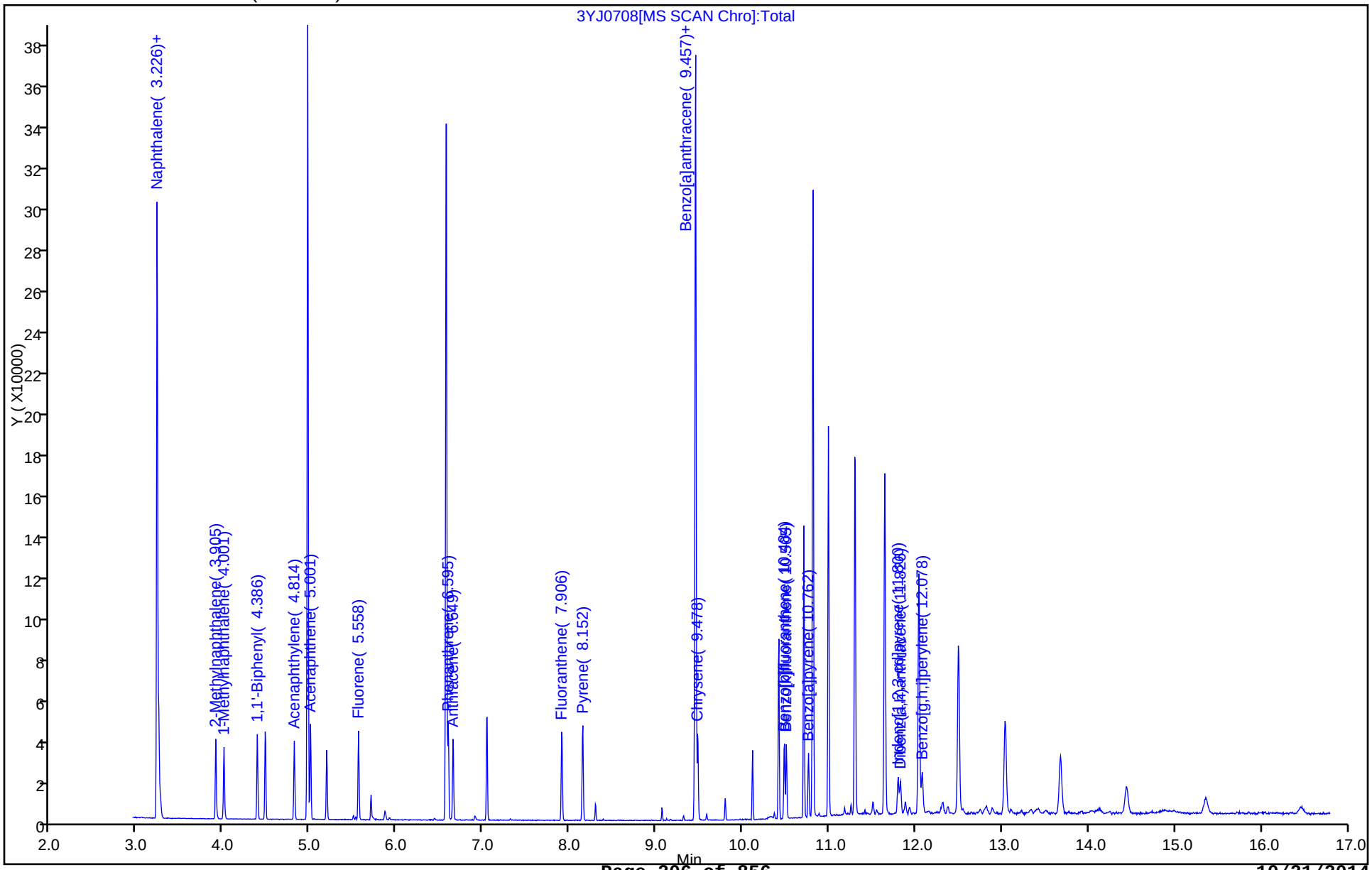
SMLLPAH0.2LVI_00018	Amount Added: 0.00	Units:	
SM-LLISTD_00106	Amount Added: 10.00	Units: uL	Run Reagent

Report Date: 08-Oct-2014 12:15:33 Chrom Revision: 2.2 18-Aug-2014 12:17:36

TestAmerica Savannah

Data File:	\\SAVCHROM\ChromData\CMSY\20141007-13559.b\3YJ0708.D				
Injection Date:	07-Oct-2014 16:03:30	Instrument ID:	CMSY	Operator ID:	RM
Lims ID:	IC			Worklist Smp#:	8
Client ID:					
Injection Vol:	2.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	8
Method:	8270D_LLPAH_MSY	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.: 680-106200-4

SDG No.: 680-106200-04

Lab Sample ID: ICV 680-352391/9 Calibration Date: 10/07/2014 16:25

Instrument ID: CMSY Calib Start Date: 10/07/2014 13:49

GC Column: RXi- 5Sil MS ID: 0.25(mm) Calib End Date: 10/07/2014 16:03

Lab File ID: 3YJ0709.D Conc. Units: ug/mL

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Naphthalene	Ave	1.091	0.9809	0.7000	4.50	5.00	-10.1	30.0
2-Methylnaphthalene	Ave	0.7234	0.6512	0.4000	4.50	5.00	-10.0	30.0
1-Methylnaphthalene	Ave	0.6708	0.6172		4.60	5.00	-8.0	30.0
Acenaphthylene	Ave	1.938	1.806	0.9000	4.66	5.00	-6.8	30.0
Acenaphthene	Ave	1.245	1.146	0.9000	4.60	5.00	-8.0	30.0
Fluorene	Ave	1.375	1.319	0.9000	4.80	5.00	-4.0	30.0
Phenanthrene	Ave	1.197	1.099	0.7000	4.59	5.00	-8.2	30.0
Anthracene	Ave	1.190	1.139	0.7000	4.78	5.00	-4.4	30.0
Fluoranthene	Ave	1.269	1.219	0.6000	4.81	5.00	-3.9	30.0
Pyrene	QuaF		1.160	0.6000	4.45	5.00	-11.0	30.0
Benzo[a]anthracene	Ave	1.170	1.092	0.7000	4.67	5.00	-6.6	30.0
Chrysene	QuaF		1.052	0.7000	4.85	5.00	-3.0	30.0
Benzo[b]fluoranthene	Ave	1.315	1.139	0.4000	4.33	5.00	-13.4	30.0
Benzo[k]fluoranthene	QuaF		1.192	0.4000	4.76	5.00	-4.9	30.0
Benzo[a]pyrene	Ave	1.082	1.024	0.4000	4.73	5.00	-5.3	30.0
Indeno[1,2,3-cd]pyrene	QuaF		0.9234	0.2000	4.20	5.00	-15.9	30.0
Dibenz(a,h)anthracene	QuaF		0.8154	0.2000	4.29	5.00	-14.3	30.0
Benzo[g,h,i]perylene	QuaF		0.9039	0.2000	4.56	5.00	-8.9	30.0
o-Terphenyl	QuaF		0.5956		4.61	5.00	-7.8	30.0

TestAmerica Savannah
Target Compound Quantitation Report

Data File: \\SAVCHROM\ChromData\CMSY\20141007-13559.b\3YJ0709.D
Lims ID: ICV
Client ID:
Sample Type: ICV
Inject. Date: 07-Oct-2014 16:25:30 ALS Bottle#: 9 Worklist Smp#: 9
Injection Vol: 2.0 ul Dil. Factor: 1.0000
Sample Info: ICV
Misc. Info.: 680-0013559-009
Operator ID: RM Instrument ID: CMSY
Sublist:

Method: \\SAVCHROM\ChromData\CMSY\20141007-13559.b\8270D_LLPAH_MSY.m
Limit Group: 8270D_LL_PAH
Last Update: 08-Oct-2014 12:15:33 Calib Date: 07-Oct-2014 15:41:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\SAVCHROM\ChromData\CMSY\20141007-13559.b\3YJ0707.D

Column 1 : Restek RXi-5Sil MS (0.25 mm) Det: MS SCAN
Process Host: XAWRK053

First Level Reviewer: webbk Date: 07-Oct-2014 16:47:11

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	3.226	3.226	0.000	98	165607	2.00	2.00	
* 2 Acenaphthene-d10	164	4.969	4.969	0.000	92	94839	2.00	2.00	
* 3 Phenanthrene-d10	188	6.574	6.569	0.005	98	159103	2.00	2.00	
* 4 Chrysene-d12	240	9.462	9.457	0.005	99	174557	2.00	2.00	
* 5 Perylene-d12	264	10.815	10.815	0.000	99	161423	2.00	2.00	
$ 6 o-Terphenyl	230	7.045	7.039	0.005	90	259896	5.00	4.61	
7 Naphthalene	128	3.247	3.242	0.005	99	406122	5.00	4.50	
8 2-Methylnaphthalene	142	3.910	3.905	0.005	87	269605	5.00	4.50	
9 1-Methylnaphthalene	142	4.001	4.001	0.000	92	255518	5.00	4.60	
10 1,1'-Biphenyl	154	4.386	4.386	0.000	0	330129	NC	NC	
11 Acenaphthylene	152	4.819	4.814	0.005	98	428174	5.00	4.66	
12 Acenaphthene	153	5.007	5.001	0.006	93	271677	5.00	4.60	
14 Fluorene	166	5.558	5.558	0.000	96	312840	5.00	4.80	
15 Phenanthrene	178	6.601	6.595	0.006	96	437180	5.00	4.59	
16 Anthracene	178	6.654	6.649	0.005	99	452879	5.00	4.78	
17 Fluoranthene	202	7.916	7.906	0.010	98	485018	5.00	4.81	
18 Pyrene	202	8.157	8.146	0.011	98	506098	5.00	4.45	
19 Benzo[a]anthracene	228	9.451	9.446	0.005	98	476618	5.00	4.67	
20 Chrysene	228	9.489	9.478	0.011	99	459232	5.00	4.85	
21 Benzo[b]fluoranthene	252	10.489	10.484	0.005	99	459567	5.00	4.33	
22 Benzo[k]fluoranthene	252	10.516	10.505	0.011	99	481140	5.00	4.76	
23 Benzo[a]pyrene	252	10.767	10.762	0.005	98	413399	5.00	4.73	
24 Indeno[1,2,3-cd]pyrene	276	11.810	11.800	0.010	98	402969	5.00	4.20	
25 Dibenz(a,h)anthracene	278	11.837	11.826	0.011	99	329062	5.00	4.29	
26 Benzo[g,h,i]perylene	276	12.094	12.072	0.022	99	364778	5.00	4.56	

QC Flag Legend

Processing Flags

NC - Not Calibrated

Reagents:

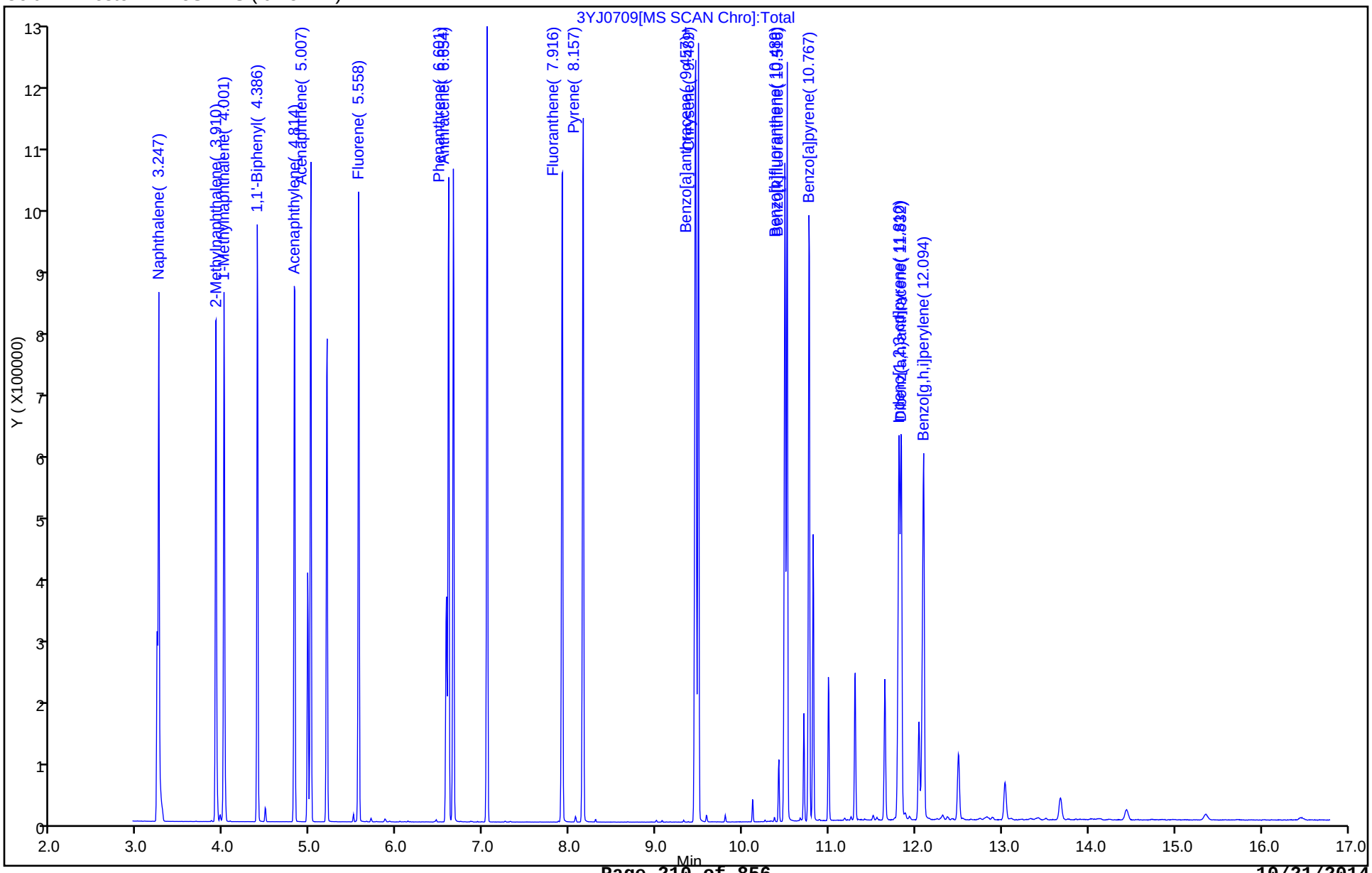
SMLLPAHICVLVI_00029 Amount Added: 1.00 Units: mL

Report Date: 08-Oct-2014 12:15:34 Chrom Revision: 2.2 18-Aug-2014 12:17:36

TestAmerica Savannah

Data File:	\\SAVCHROM\ChromData\CMSY\20141007-13559.b\3YJ0709.D				
Injection Date:	07-Oct-2014 16:25:30	Instrument ID:	CMSY	Operator ID:	RM
Lims ID:	ICV			Worklist Smp#:	9
Client ID:					
Injection Vol:	2.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	9
Method:	8270D_LLPAH_MSY	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.: 680-106200-4

SDG No.: 680-106200-04

Lab Sample ID: CCVIS 680-354069/2 Calibration Date: 10/17/2014 09:52

Instrument ID: CMSY Calib Start Date: 10/07/2014 13:49

GC Column: RXi- 5Sil MS ID: 0.25(mm) Calib End Date: 10/07/2014 16:03

Lab File ID: 1YJ1702.D Conc. Units: ug/mL

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Naphthalene	Ave	1.091	1.149	0.7000	5.27	5.00	5.4	20.0
2-Methylnaphthalene	Ave	0.7234	0.7547	0.4000	5.22	5.00	4.3	20.0
1-Methylnaphthalene	Ave	0.6708	0.6901		5.14	5.00	2.9	20.0
Acenaphthylene	Ave	1.938	2.119	0.9000	5.47	5.00	9.3	20.0
Acenaphthene	Ave	1.245	1.281	0.9000	5.15	5.00	2.9	20.0
Fluorene	Ave	1.375	1.452	0.9000	5.28	5.00	5.7	20.0
Phenanthrene	Ave	1.197	1.172	0.7000	4.90	5.00	-2.1	20.0
Anthracene	Ave	1.190	1.183	0.7000	4.97	5.00	-0.6	20.0
Fluoranthene	Ave	1.269	1.233	0.6000	4.86	5.00	-2.8	20.0
Pyrene	QuaF		1.383	0.6000	5.31	5.00	6.2	20.0
Benzo[a]anthracene	Ave	1.170	1.171	0.7000	5.01	5.00	0.1	20.0
Chrysene	QuaF		1.085	0.7000	5.00	5.00	0.0	20.0
Benzo[b]fluoranthene	Ave	1.315	1.181	0.4000	4.49	5.00	-10.2	20.0
Benzo[k]fluoranthene	QuaF		1.339	0.4000	5.36	5.00	7.1	20.0
Benzo[a]pyrene	Ave	1.082	1.087	0.4000	5.03	5.00	0.5	20.0
Indeno[1,2,3-cd]pyrene	QuaF		0.8147	0.2000	3.71	5.00	-25.8*	20.0
Dibenz(a,h)anthracene	QuaF		0.9296	0.2000	4.88	5.00	-2.4	20.0
Benzo[g,h,i]perylene	QuaF		0.9389	0.2000	4.73	5.00	-5.4	20.0
o-Terphenyl	QuaF		0.8000		6.16	5.00	23.2*	20.0

TestAmerica Savannah
Target Compound Quantitation Report

Data File: \\SAVCHROM\ChromData\CMSY\20141017-13845.b\1YJ1702.D
Lims ID: CCVIS
Client ID:
Sample Type: CCVIS
Inject. Date: 17-Oct-2014 09:52:30 ALS Bottle#: 2 Worklist Smp#: 2
Injection Vol: 2.0 ul Dil. Factor: 1.0000
Sample Info: CCVIS
Misc. Info.: 680-0013845-002
Operator ID: RM Instrument ID: CMSY
Sublist: chrom-8270D_LLPAH_MSY*sub5

Method: \\SAVCHROM\ChromData\CMSY\20141017-13845.b\8270D_LLPAH_MSY.m
Limit Group: 8270D_LL_PAH
Last Update: 20-Oct-2014 09:21:49 Calib Date: 07-Oct-2014 15:41:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\SAVCHROM\ChromData\CMSY\20141007-13559.b\3YJ0707.D

Column 1 : Restek RXi-5Sil MS (0.25 mm) Det: MS SCAN
Process Host: XAWRK024

First Level Reviewer: webbk Date: 17-Oct-2014 11:22:14

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
* 1 Naphthalene-d8	136	2.753	2.753	0.000	98	130952	2.00	2.00	
* 2 Acenaphthene-d10	164	4.437	4.437	0.000	92	71427	2.00	2.00	s
* 3 Phenanthrene-d10	188	6.005	6.005	0.000	98	124630	2.00	2.00	s
* 4 Chrysene-d12	240	8.877	8.877	0.000	99	112946	2.00	2.00	s
* 5 Perylene-d12	264	10.225	10.225	0.000	99	98430	2.00	2.00	s
$ 6 o-Terphenyl	230	6.491	6.491	0.000	91	225879	5.00	6.16	
7 Naphthalene	128	2.774	2.774	0.000	99	376263	5.00	5.27	
8 2-Methylnaphthalene	142	3.410	3.410	0.000	86	247080	5.00	5.22	
9 1-Methylnaphthalene	142	3.501	3.501	0.000	92	225937	5.00	5.14	
11 Acenaphthylene	152	4.288	4.288	0.000	98	378413	5.00	5.47	
12 Acenaphthene	153	4.469	4.469	0.000	93	228829	5.00	5.15	
14 Fluorene	166	5.015	5.015	0.000	96	259367	5.00	5.28	
15 Phenanthrene	178	6.031	6.031	0.000	96	365178	5.00	4.90	
16 Anthracene	178	6.085	6.085	0.000	99	368605	5.00	4.97	
17 Fluoranthene	202	7.320	7.320	0.000	98	384263	5.00	4.86	
18 Pyrene	202	7.556	7.556	0.000	98	390431	5.00	5.31	
19 Benzo[a]anthracene	228	8.866	8.866	0.000	98	330745	5.00	5.01	
20 Chrysene	228	8.903	8.903	0.000	99	306231	5.00	5.00	
21 Benzo[b]fluoranthene	252	9.904	9.904	0.000	99	290716	5.00	4.49	
22 Benzo[k]fluoranthene	252	9.930	9.930	0.000	98	329489	5.00	5.36	
23 Benzo[a]pyrene	252	10.176	10.176	0.000	98	267590	5.00	5.03	
24 Indeno[1,2,3-cd]pyrene	276	11.070	11.070	0.000	99	230034	5.00	3.71	
25 Dibenz(a,h)anthracene	278	11.091	11.091	0.000	97	228756	5.00	4.88	
26 Benzo[g,h,i]perylene	276	11.273	11.273	0.000	98	231031	5.00	4.73	

QC Flag Legend

Processing Flags
s - Failed ISTD Recovery Test

Reagents:

SMLLPAH5.0LVI_00022 Amount Added: 1.00 Units: mL

Report Date: 20-Oct-2014 09:21:49 Chrom Revision: 2.2 18-Aug-2014 12:17:36

TestAmerica Savannah

Data File: \\SAVCHROM\ChromData\CMSY\20141017-13845.b\1YJ1702.D

Injection Date: 17-Oct-2014 09:52:30 Instrument ID: CMSY Operator ID: RM

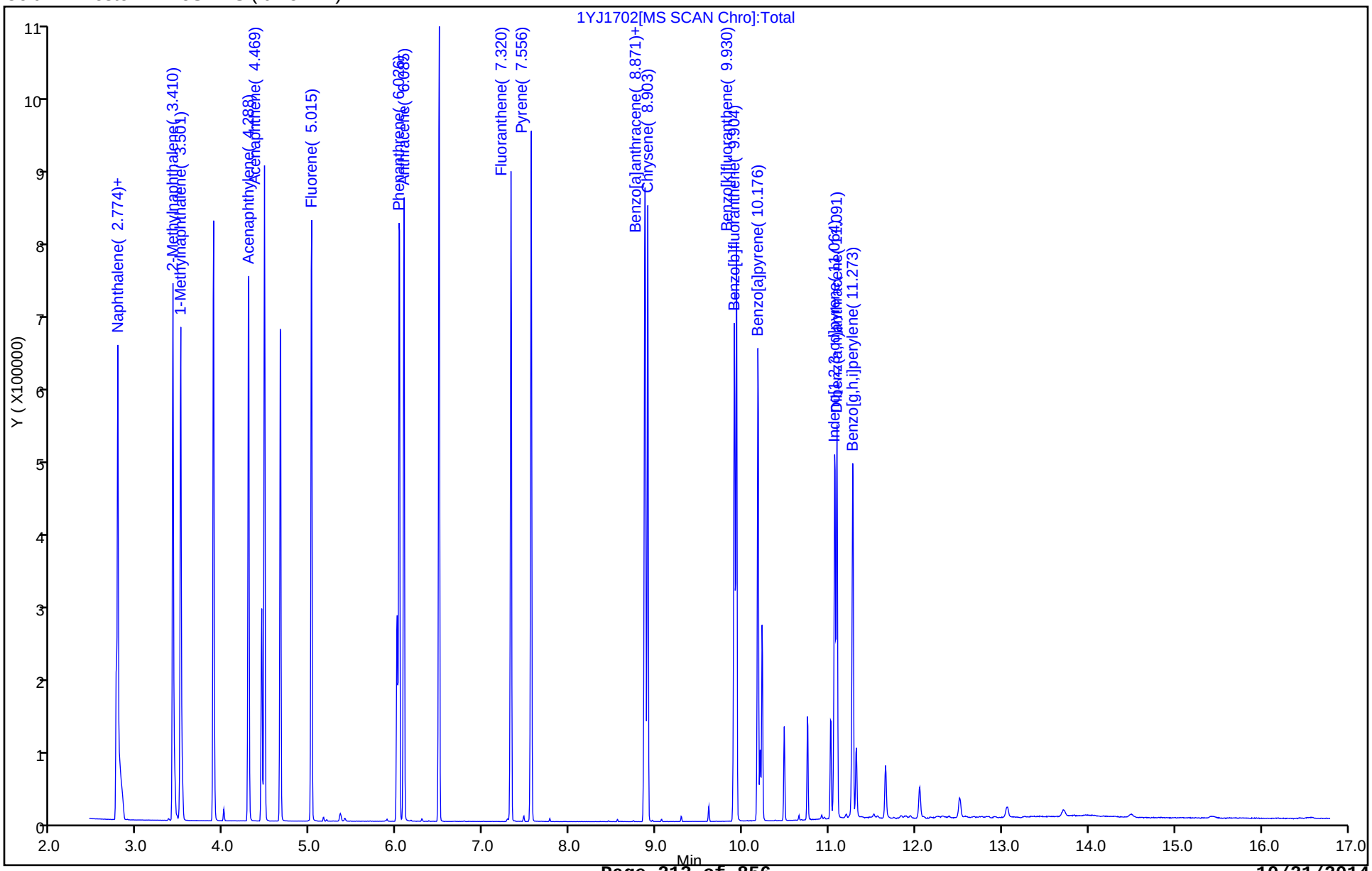
Lims ID: CCVIS Worklist Smp#: 2

Client ID:

Injection Vol: 2.0 ul Dil. Factor: 1.0000 ALS Bottle#: 2

Method: 8270D_LLPAH_MSY Limit Group: 8270D_LL_PAH

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



TestAmerica Savannah
Target Compound Quantitation Report

Data File: \\SAVCHROM\ChromData\CMSY\20141007-13559.b\3YJ0701.D
Lims ID: DFTPP
Client ID:
Sample Type: DFTPP
Inject. Date: 07-Oct-2014 13:30:30 ALS Bottle#: 1 Worklist Smp#: 1
Injection Vol: 2.0 ul Dil. Factor: 1.0000
Sample Info: DFTPP
Misc. Info.: 680-0013559-001
Operator ID: RM Instrument ID: CMSY

Method: \\SAVCHROM\ChromData\CMSY\20141007-13559.b\8270D_LLPAH_MSY.m
Limit Group: 8270D_LL_PAH
Last Update: 08-Oct-2014 12:15:24 Calib Date: 07-Oct-2014 15:41:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\SAVCHROM\ChromData\CMSY\20141007-13559.b\3YJ0707.D

Column 1 : Restek RXi-5Sil MS (0.25 mm) Det: MS SCAN
Process Host: XAWRK053

First Level Reviewer: webbk Date: 07-Oct-2014 13:45:21

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'-DDE	246	5.333	5.333	0.000	89	548		NR	7
29 4,4'-DDD	235	5.611	5.611	0.000	98	9184		NR	7
30 4,4'-DDT	235	5.868	5.868	0.000	97	116474	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

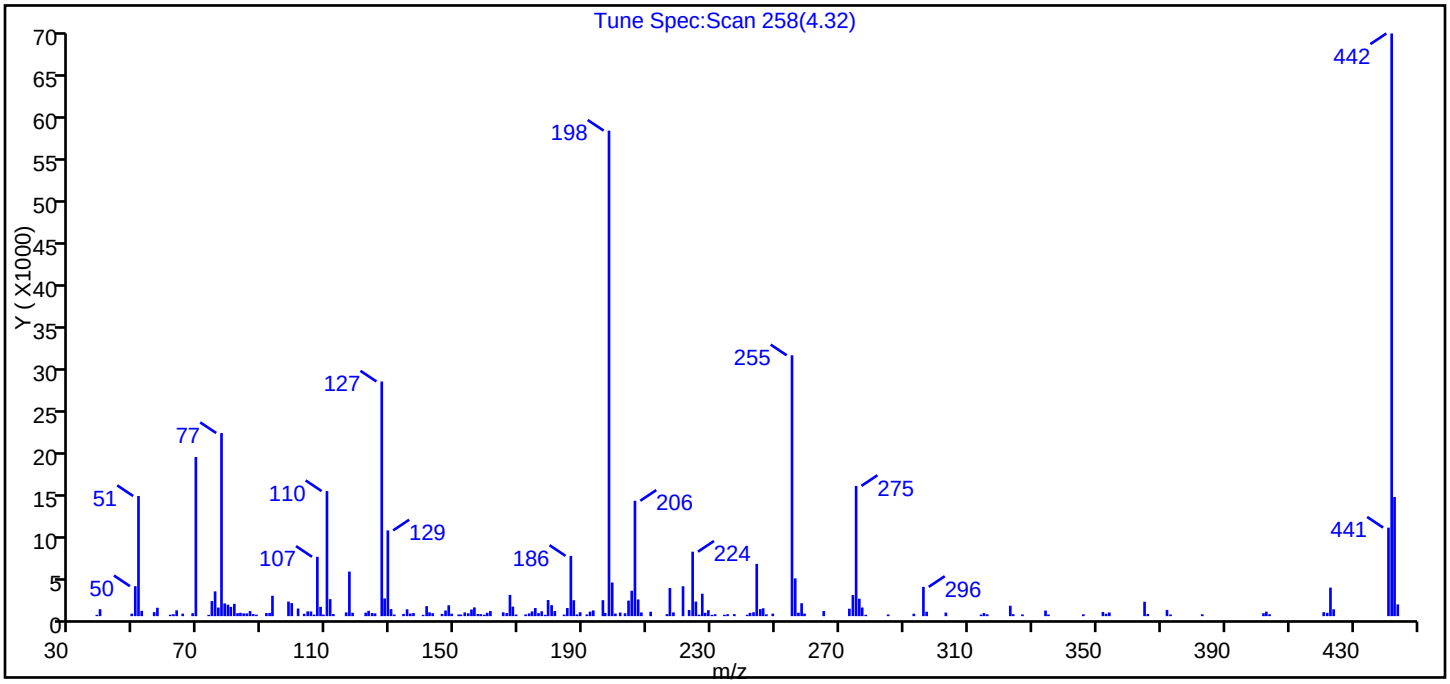
Report Date: 08-Oct-2014 12:15:25 Chrom Revision: 2.2 18-Aug-2014 12:17:36

MS Tune Report

TestAmerica Savannah

Data File:	\\SAVCHROM\ChromData\CMSY\20141007-13559.b\3YJ0701.D				
Injection Date:	07-Oct-2014 13:30:30	Instrument ID:	CMSY		
Lims ID:	DFTPP				
Client ID:					
Operator ID:	RM	ALS Bottle#:	1	Worklist Smp#:	1
Injection Vol:	2.0 ul	Dil. Factor:	1.0000		
Method:	8270D_LLPAH_MSY	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	20.60
68	Less than 2.00% of mass 69	0.50 (1.80)
69	Present	27.30
70	Less than 2.00% of mass 69	0.00 (0.00)
127	10.00 - 80.00% of mass 442	40.30
197	Less than 2.00% of mass 198	0.60 (0.70)
198	Greater than 50.00% of mass 442	83.30
199	5.00 - 9.00% of mass 198	5.80 (6.90)
275	10.00 - 60.00% of mass 442	22.40
365	Greater than 1.00% of mass 442	2.50
441	Present, but less than mass 443	15.20 (74.30)
443	15.00 - 24.00% of mass 442	20.50

Data File: \\SAVCHROM\ChromData\CMSY\20141007-13559.b\3YJ0701.D\8270D_LLPAH_MSY.rslt\spectra.d
Injection Date: 07-Oct-2014 13:30:30
Spectrum: Tune Spec:Scan 258(4.32)
Base Peak: 442.10
Minimum % Base Peak: 0
Number of Points: 187

m/z	Y	m/z	Y	m/z	Y	m/z	Y
38.10	157	116.90	5307	180.00	1307	249.00	299
39.10	823	117.90	404	181.00	601	255.00	31056
49.00	298	122.00	415	183.90	188	256.00	4495
50.10	3568	122.90	634	184.90	970	257.00	405
51.10	14300	124.00	370	186.00	7174	258.00	1538
52.10	632	124.90	325	186.90	1897	258.90	307
56.00	478	127.00	27936	187.90	204	264.90	606
57.00	998	127.90	2107	188.90	468	272.90	884
61.00	175	128.90	10207	191.00	202	274.00	2512
62.00	223	129.90	839	192.00	540	275.00	15504
63.00	695	130.90	191	193.00	685	276.00	2077
64.90	294	133.80	264	196.00	1903	276.90	1028
68.00	346	134.90	818	196.70	382	278.00	165
69.00	18944	135.90	313	197.90	57800	285.00	195
73.00	156	136.90	368	198.90	4003	293.00	289
74.00	1797	139.90	159	199.90	307	296.00	3482
75.00	2951	141.00	1192	201.40	427	297.00	524
76.00	1023	141.90	452	202.90	341	303.00	426
77.00	21800	142.90	347	204.00	1847	314.00	182
78.00	1518	145.80	270	205.00	3027	314.90	365
79.00	1364	146.90	672	206.00	13737	315.90	218
79.90	1099	147.90	1294	207.00	1989	323.10	1241
81.00	1467	148.80	290	208.00	441	324.00	233
82.00	354	151.00	198	210.90	523	326.90	207
82.90	400	151.70	187	216.00	241	334.10	665
83.90	331	152.90	441	216.90	3354	335.00	195
84.90	328	154.00	338	218.00	445	345.90	217
85.90	602	155.00	789	221.00	3558	352.00	494
86.90	246	155.90	1044	222.90	728	353.00	288
87.90	171	157.00	255	224.00	7675	354.00	439
91.00	367	157.90	241	225.00	1733	365.00	1718
92.00	392	159.00	168	226.00	176	366.00	260
92.90	2429	159.90	401	227.00	2672	372.00	739

Report Date: 08-Oct-2014 12:15:25 Chrom Revision: 2.2 18-Aug-2014 12:17:36
Data File: \\SAVCHROM\ChromData\CMSY\20141007-13559.b\3YJ0701.D\8270D_LLPAH_MSY.rslt\spectra.d
Injection Date: 07-Oct-2014 13:30:30
Spectrum: Tune Spec:Scan 258(4.32)
Base Peak: 442.10
Minimum % Base Peak: 0
Number of Points: 187

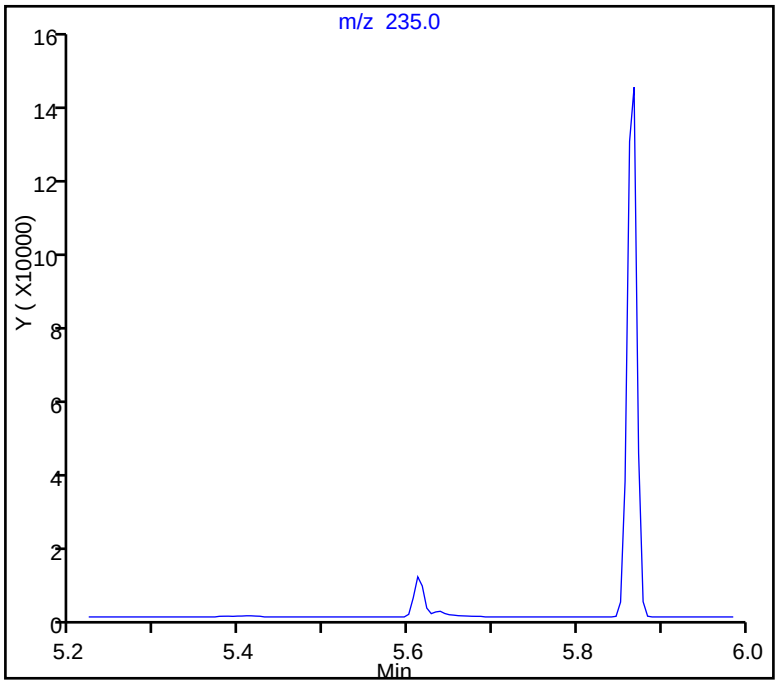
m/z	Y	m/z	Y	m/z	Y	m/z	Y
97.90	1734	160.90	604	227.90	401	373.10	199
98.90	1555	164.90	455	228.90	710	383.00	222
100.90	906	166.00	366	230.00	153	402.10	342
102.80	284	167.00	2526	231.00	225	403.00	538
103.90	570	167.90	1130	233.90	165	404.00	224
104.90	557	168.90	192	234.90	234	420.90	474
105.90	186	171.90	205	237.00	240	422.00	399
106.90	7066	173.00	327	241.00	162	423.00	3399
107.90	1106	173.90	561	241.90	388	424.00	815
108.80	190	174.90	961	243.00	463	441.10	10540
109.90	14890	175.90	360	244.00	6220	442.10	69368
110.90	2025	176.90	582	245.10	836	443.00	14186
111.90	249	178.00	160	246.00	939	444.00	1398
115.90	442	178.90	1918	247.00	218		

Breakdown Report

TestAmerica Savannah

Data File:	\\SAVCHROM\ChromData\CMSY\20141007-13559.b\3YJ0701.D				
Injection Date:	07-Oct-2014 13:30:30	Instrument ID:	CMSY		
Lims ID:	DFTPP				
Client ID:					
Operator ID:	RM	ALS Bottle#:	1	Worklist Smp#:	1
Injection Vol:	2.0 ul	Dil. Factor:	1.0000		
Method:	8270D_LLPAH_MSY	Limit Group:	8270D_LL_PAH		

30 4,4'-DDT, Detector: MS SCAN



SW-846 Method

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

30 4,4'-DDT, Area = 116474
29 4,4'-DDD, Area = 9184
28 4,4'-DDE, Area = 548

%Breakdown: 7.71%, Max Limit: 20.00%
Passed

TestAmerica Savannah
Target Compound Quantitation Report

Data File:	\\SAVCHROM\ChromData\CMSY\20141017-13845.b\1YJ1701.D				
Lims ID:	DFTPP				
Client ID:					
Sample Type:	DFTPP				
Inject. Date:	17-Oct-2014 09:26:30	ALS Bottle#:	1	Worklist Smp#:	1
Injection Vol:	2.0 ul	Dil. Factor:	1.0000		
Sample Info:	DFTPP				
Misc. Info.:	680-0013845-001				
Operator ID:	RM	Instrument ID:	CMSY		
Method:	\\SAVCHROM\ChromData\CMSY\20141017-13845.b\8270D_LLPAH_MSY.m				
Limit Group:	8270D_LL_PAH				
Last Update:	20-Oct-2014 09:21:48	Calib Date:	07-Oct-2014 15:41:30		
Integrator:	RTE	ID Type:	Deconvolution ID		
Quant Method:	Internal Standard	Quant By:	Initial Calibration		
Last ICal File:	\\SAVCHROM\ChromData\CMSY\20141007-13559.b\3YJ0707.D				
Column 1 :	Restek RXi-5Sil MS (0.25 mm)		Det: MS SCAN		
Process Host:	XAWRK024				
First Level Reviewer: webbk		Date:	17-Oct-2014 09:47:38		

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'-DDE	246	4.854	4.854	0.000	84	324		NR	7
29 4,4'-DDD	235	5.122	5.122	0.000	99	20068		NR	7
30 4,4'-DDT	235	5.368	5.368	0.000	97	89819	NR	NR	7

QC Flag Legend

Processing Flags

NR - Missing Quant Standard

7 - Failed Limit of Detection

Reagents:

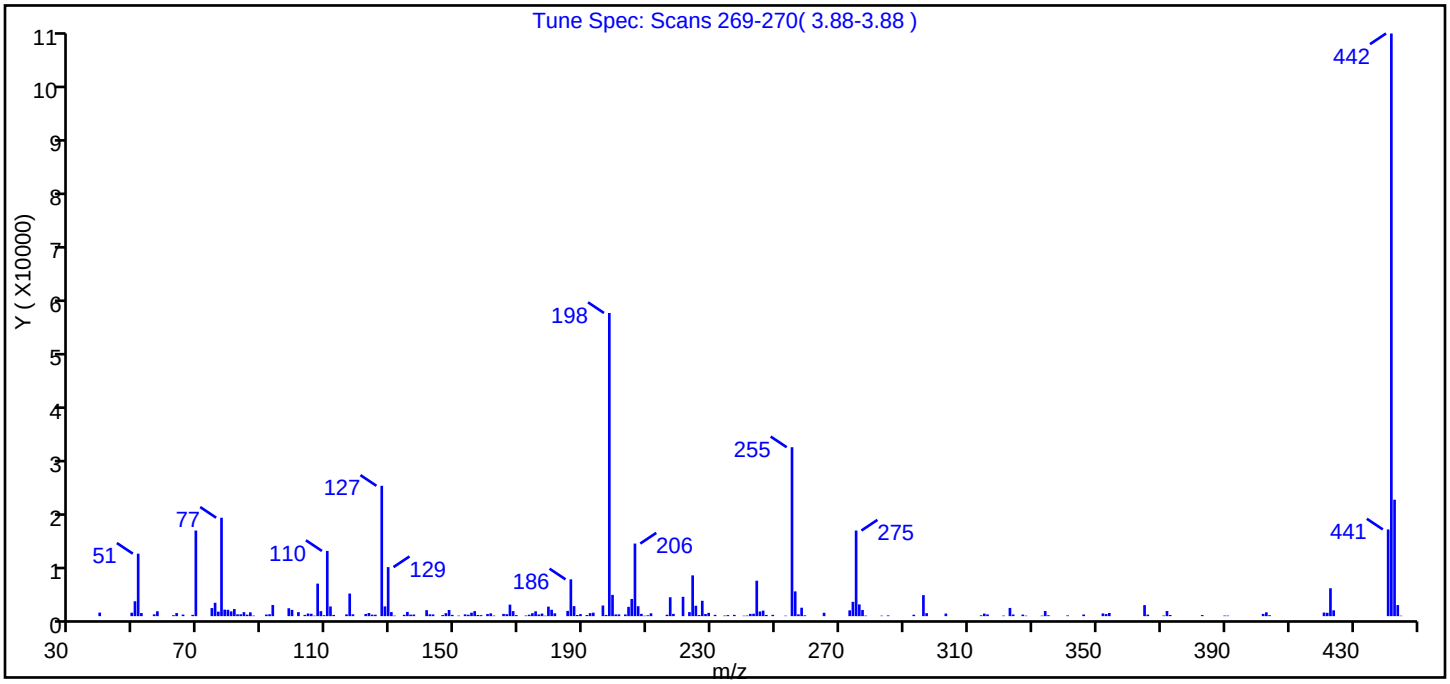
SM-LLTUNE_00079 Amount Added: 1.00 Units: mL

MS Tune Report

TestAmerica Savannah

Data File: \\SAVCHROM\ChromData\CMSY\20141017-13845.b\1YJ1701.D
Injection Date: 17-Oct-2014 09:26:30 Instrument ID: CMSY
Lims ID: DFTPP
Client ID:
Operator ID: RM ALS Bottle#: 1 Worklist Smp#: 1
Injection Vol: 2.0 ul Dil. Factor: 1.0000
Method: 8270D_LLPAH_MSY 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	10.70
68	Less than 2.00% of mass 69	0.20 (1.50)
69	Present	14.70
70	Less than 2.00% of mass 69	0.00 (0.00)
127	10.00 - 80.00% of mass 442	22.40
197	Less than 2.00% of mass 198	0.20 (0.40)
198	Greater than 50.00% of mass 442	52.00
199	5.00 - 9.00% of mass 198	3.60 (7.00)
275	10.00 - 60.00% of mass 442	14.70
365	Greater than 1.00% of mass 442	1.90
441	Present, but less than mass 443	14.90 (74.50)
443	15.00 - 24.00% of mass 442	20.00

Data File: \\SAVCHROM\ChromData\CMSY\20141017-13845.b\1YJ1701.D\8270D_LLPAH_MSY.rslt\spectra.d
Injection Date: 17-Oct-2014 09:26:30
Spectrum: Tune Spec: Scans 269-270(3.88-3.88)
Base Peak: 442.00
Minimum % Base Peak: 0
Number of Points: 192

m/z	Y	m/z	Y	m/z	Y	m/z	Y
39.00	616	125.00	247	192.00	519	273.00	1004
49.00	599	127.00	22544	193.00	600	274.00	2477
50.00	2578	128.00	1687	196.00	1838	275.00	14805
51.00	10803	129.00	8480	197.00	207	276.00	2031
52.00	537	130.00	701	198.00	52432	277.00	1062
56.00	310	131.00	87	199.00	3674	278.00	94
57.00	845	134.00	237	200.00	297	283.00	83
62.00	165	135.00	730	201.00	300	285.00	128
63.00	534	136.00	261	203.00	290	293.00	246
65.00	273	137.00	279	204.00	1603	296.00	3638
68.00	227	141.00	1036	205.00	2973	297.00	524
69.00	14806	142.00	319	206.00	12555	303.00	449
74.00	1394	143.00	296	207.00	1718	314.00	145
75.00	2315	146.00	189	208.00	400	315.00	445
76.00	777	147.00	514	209.00	77	316.00	295
77.00	17024	148.00	1063	210.00	150	321.00	98
78.00	1126	149.00	221	211.00	489	323.00	1420
79.00	1092	151.00	92	216.00	249	324.00	281
80.00	822	153.00	311	217.00	3267	327.00	268
81.00	1233	154.00	243	218.00	392	328.00	84
82.00	314	155.00	600	221.00	3343	333.00	86
83.00	324	156.00	875	223.00	702	334.00	889
84.00	694	157.00	202	224.00	7052	335.00	155
85.00	256	158.00	173	225.00	1801	341.00	131
86.00	658	160.00	370	226.00	194	346.00	284
87.00	95	161.00	481	227.00	2659	352.00	472
91.00	278	162.00	99	228.00	371	353.00	360
92.00	326	165.00	391	229.00	571	354.00	545
93.00	1932	166.00	339	231.00	224	365.00	1905
98.00	1364	167.00	1989	234.00	101	366.00	264
99.00	1085	168.00	865	235.00	187	371.00	107
101.00	693	169.00	175	237.00	223	372.00	887
103.00	216	172.00	105	240.00	76	373.00	201

Report Date: 20-Oct-2014 09:21:48 Chrom Revision: 2.2 18-Aug-2014 12:17:36
Data File: \\SAVCHROM\ChromData\CMSY\20141017-13845.b\1YJ1701.D\8270D_LLPAH_MSY.rslt\spectra.d
Injection Date: 17-Oct-2014 09:26:30
Spectrum: Tune Spec: Scans 269-270(3.88-3.88)
Base Peak: 442.00
Minimum % Base Peak: 0
Number of Points: 192

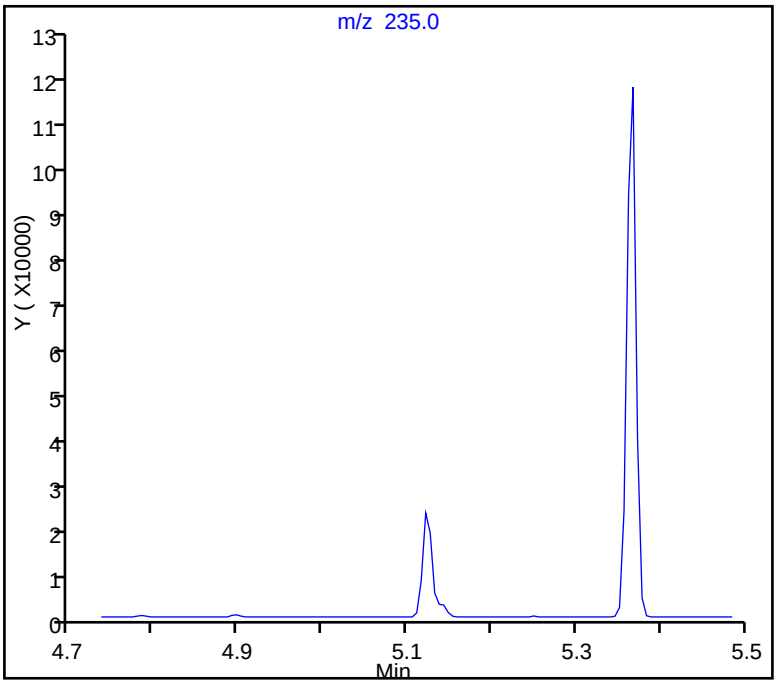
m/z	Y	m/z	Y	m/z	Y	m/z	Y
104.00	453	173.00	248	241.00	100	383.00	187
105.00	414	174.00	509	242.00	396	390.00	100
106.00	84	175.00	833	243.00	418	391.00	88
107.00	5629	176.00	284	244.00	6130	402.00	387
108.00	865	177.00	442	245.00	807	403.00	666
109.00	161	178.00	78	246.00	960	404.00	162
110.00	11274	179.00	1642	247.00	209	421.00	623
111.00	1673	180.00	1103	249.00	225	422.00	582
112.00	213	181.00	483	253.00	80	423.00	4825
116.00	305	185.00	910	255.00	29216	424.00	1006
117.00	3904	186.00	6365	256.00	4282	441.00	14997
118.00	316	187.00	1732	257.00	307	442.00	100776
122.00	371	188.00	201	258.00	1458	443.00	20136
123.00	541	189.00	354	259.00	142	444.00	1915
124.00	253	191.00	195	265.00	580	445.00	79

Breakdown Report

TestAmerica Savannah

Data File:	\\SAVCHROM\ChromData\CMSY\20141017-13845.b\1YJ1701.D				
Injection Date:	17-Oct-2014 09:26:30	Instrument ID:	CMSY		
Lims ID:	DFTPP				
Client ID:					
Operator ID:	RM	ALS Bottle#:	1	Worklist Smp#:	1
Injection Vol:	2.0 ul	Dil. Factor:	1.0000		
Method:	8270D_LLPAH_MSY	Limit Group:	8270D_LL_PAH		

30 4,4'-DDT, Detector: MS SCAN



SW-846 Method

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

30 4,4'-DDT, Area = 89819
29 4,4'-DDD, Area = 20068
28 4,4'-DDE, Area = 324

%Breakdown: 18.50%, Max Limit: 20.00%
Passed

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Savannah | Job No.: 680-106200-4

SDG No.: 680-106200-04

Client Sample ID: | Lab Sample ID: MB 680-353671/19-A

Matrix: Solid | Lab File ID: 1YJ1705.D

Analysis Method: 8270D_LL_PAH | Date Collected:

Extract. Method: 3546 | Date Extracted: 10/15/2014 14:21

Sample wt/vol: 30.01(g) | Date Analyzed: 10/17/2014 11:06

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.: 354069 | 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	107		36-131

TestAmerica Savannah
Target Compound Quantitation Report

Data File: \\SAVCHROM\ChromData\CMSY\20141017-13845.b\1YJ1705.D
Lims ID: MB 680-353671/19-A
Client ID:
Sample Type: MB
Inject. Date: 17-Oct-2014 11:06:30 ALS Bottle#: 5 Worklist Smp#: 5
Injection Vol: 2.0 ul Dil. Factor: 1.0000
Sample Info: MB 353671/19-a
Misc. Info.: 680-0013845-005
Operator ID: RM Instrument ID: CMSY

Method: \\SAVCHROM\ChromData\CMSY\20141017-13845.b\8270D_LLPAH_MSY.m
Limit Group: 8270D_LL_PAH
Last Update: 20-Oct-2014 09:21:49 Calib Date: 07-Oct-2014 15:41:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\SAVCHROM\ChromData\CMSY\20141007-13559.b\3YJ0707.D

Column 1 : Restek RXi-5Sil MS (0.25 mm) Det: MS SCAN
Process Host: XAWRK024

First Level Reviewer: webbk Date: 17-Oct-2014 11:33:02

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	2.752	2.753	-0.001	98	132697	2.00	2.00	
* 2 Acenaphthene-d10	164	4.432	4.437	-0.005	91	76408	2.00	2.00	
* 3 Phenanthrene-d10	188	5.999	6.005	-0.005	98	130046	2.00	2.00	
* 4 Chrysene-d12	240	8.866	8.877	-0.011	99	107674	2.00	2.00	
* 5 Perylene-d12	264	10.219	10.225	-0.006	99	86594	2.00	2.00	
$ 6 o-Terphenyl	230	6.486	6.491	-0.005	91	74195	2.00	2.15	

Reagents:

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

Report Date: 20-Oct-2014 09:21:52 Chrom Revision: 2.2 18-Aug-2014 12:17:36

TestAmerica Savannah

Data File: \\SAVCHROM\ChromData\CMSY\20141017-13845.b\1YJ1705.D

Injection Date: 17-Oct-2014 11:06:30 Instrument ID: CMSY Operator ID: RM

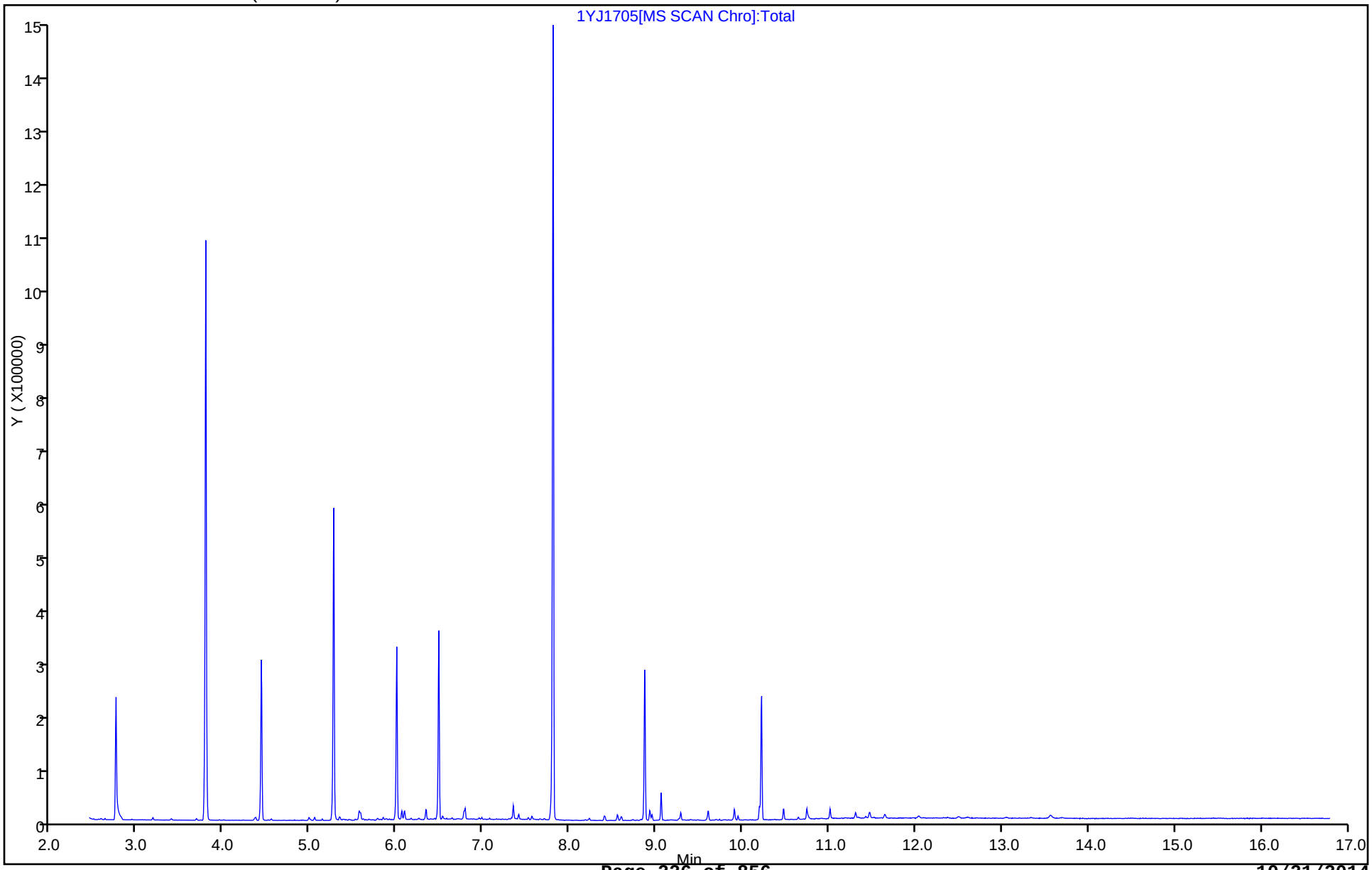
Lims ID: MB 680-353671/19-A Worklist Smp#: 5

Client ID:

Injection Vol: 2.0 ul Dil. Factor: 1.0000 ALS Bottle#: 5

Method: 8270D_LLPAH_MSY 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.: 680-106200-4

SDG No.: 680-106200-04

Client Sample ID: | Lab Sample ID: LCS 680-353671/20-A

Matrix: Solid | Lab File ID: 1YJ1706.D

Analysis Method: 8270D_LL_PAH | Date Collected:

Extract. Method: 3546 | Date Extracted: 10/15/2014 14:21

Sample wt/vol: 30.05(g) | Date Analyzed: 10/17/2014 11:28

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.: 354069 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
83-32-9	Acenaphthene	226		6.7	3.3
208-96-8	Acenaphthylene	221		6.7	3.3
120-12-7	Anthracene	243		6.7	3.3
56-55-3	Benzo[a]anthracene	255		6.7	3.3
50-32-8	Benzo[a]pyrene	261		6.7	1.2
205-99-2	Benzo[b]fluoranthene	275		6.7	3.3
191-24-2	Benzo[g,h,i]perylene	232		6.7	3.3
207-08-9	Benzo[k]fluoranthene	257		6.7	2.0
218-01-9	Chrysene	274		6.7	3.3
53-70-3	Dibenz(a,h)anthracene	251		6.7	3.3
206-44-0	Fluoranthene	253		6.7	3.3
86-73-7	Fluorene	233		6.7	3.3
193-39-5	Indeno[1,2,3-cd]pyrene	223		6.7	3.3
90-12-0	1-Methylnaphthalene	236		6.7	3.1
91-57-6	2-Methylnaphthalene	232		6.7	3.3
91-20-3	Naphthalene	225		6.7	3.3
85-01-8	Phenanthrene	238		6.7	2.4
129-00-0	Pyrene	252		6.7	3.3

CAS NO.	SURROGATE	%REC	Q	LIMITS
84-15-1	o-Terphenyl	83		36-131

TestAmerica Savannah
Target Compound Quantitation Report

Data File: \\SAVCHROM\ChromData\CMSY\20141017-13845.b\1YJ1706.D
Lims ID: LCS 680-353671/20-A
Client ID:
Sample Type: LCS
Inject. Date: 17-Oct-2014 11:28:30 ALS Bottle#: 6 Worklist Smp#: 6
Injection Vol: 2.0 ul Dil. Factor: 1.0000
Sample Info: LCS 353671/20-A
Misc. Info.: 680-0013845-006
Operator ID: RM Instrument ID: CMSY

Method: \\SAVCHROM\ChromData\CMSY\20141017-13845.b\8270D_LLPAH_MSY.m
Limit Group: 8270D_LL_PAH
Last Update: 20-Oct-2014 09:27:17 Calib Date: 07-Oct-2014 15:41:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\SAVCHROM\ChromData\CMSY\20141007-13559.b\3YJ0707.D

Column 1 : Restek RXi-5Sil MS (0.25 mm) Det: MS SCAN
Process Host: XAWRK021

First Level Reviewer: webbk Date: 17-Oct-2014 12:11:45

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	2.752	2.753	-0.001	97	139948	2.00	2.00	
* 2 Acenaphthene-d10	164	4.437	4.437	0.000	92	82018	2.00	2.00	
* 3 Phenanthrene-d10	188	6.004	6.005	0.000	98	138175	2.00	2.00	
* 4 Chrysene-d12	240	8.877	8.877	0.000	99	139862	2.00	2.00	
* 5 Perylene-d12	264	10.224	10.225	-0.001	99	120225	2.00	2.00	
$ 6 o-Terphenyl	230	6.486	6.491	-0.005	90	74624	2.00	1.67	
7 Naphthalene	128	2.774	2.774	0.000	99	515745	10.0	6.76	
8 2-Methylnaphthalene	142	3.410	3.410	0.000	87	353542	10.0	6.98	
9 1-Methylnaphthalene	142	3.501	3.501	0.000	92	333329	10.0	7.10	
10 1,1'-Biphenyl	154	4.287	4.282	0.005	0	4149	NC	NC	
11 Acenaphthylene	152	4.287	4.288	-0.001	98	528591	10.0	6.65	
12 Acenaphthene	153	4.475	4.469	0.006	95	346470	10.0	6.79	
14 Fluorene	166	5.015	5.015	0.000	96	394382	10.0	7.00	
15 Phenanthrene	178	6.031	6.031	0.000	97	591241	10.0	7.15	
16 Anthracene	178	6.090	6.085	0.005	99	601565	10.0	7.31	
17 Fluoranthene	202	7.325	7.320	0.005	98	666475	10.0	7.60	
18 Pyrene	202	7.561	7.556	0.005	98	687246	10.0	7.56	
19 Benzo[a]anthracene	228	8.871	8.866	0.005	98	627864	10.0	7.68	
20 Chrysene	228	8.909	8.903	0.006	99	611156	10.0	8.23	
21 Benzo[b]fluoranthene	252	9.903	9.904	-0.001	99	653700	10.0	8.27	
22 Benzo[k]fluoranthene	252	9.930	9.930	0.000	99	574878	10.0	7.73	
23 Benzo[a]pyrene	252	10.182	10.176	0.006	98	510764	10.0	7.85	
24 Indeno[1,2,3-cd]pyrene	276	11.064	11.070	-0.006	99	514420	10.0	6.70	
25 Dibenz(a,h)anthracene	278	11.091	11.091	0.000	99	433352	10.0	7.54	
26 Benzo[g,h,i]perylene	276	11.278	11.273	0.005	98	416416	10.0	6.96	

QC Flag Legend

Processing Flags
NC - Not Calibrated

Reagents:

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

Report Date: 20-Oct-2014 11:11:55 Chrom Revision: 2.2 18-Aug-2014 12:17:36

TestAmerica Savannah

Data File: \\SAVCHROM\ChromData\CMSY\20141017-13845.b\1YJ1706.D

Injection Date: 17-Oct-2014 11:28:30 Instrument ID: CMSY Operator ID: RM

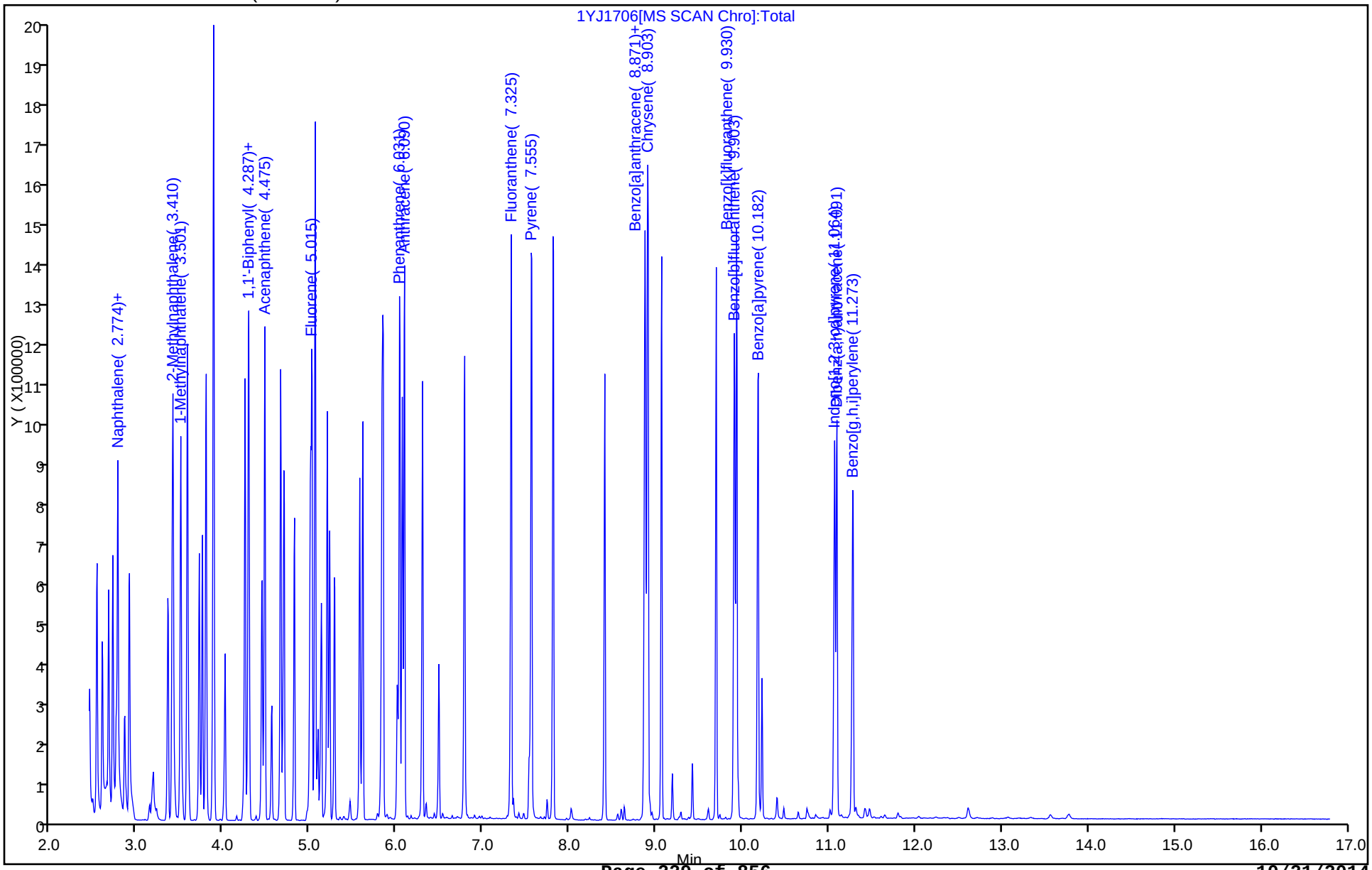
Lims ID: LCS 680-353671/20-A Worklist Smp#: 6

Client ID:

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

Method: 8270D_LLPAH_MSY 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.: 680-106200-4
SDG No.: 680-106200-04
Client Sample ID:
Lab Sample ID: LCSD 680-353671/23-A
Matrix: Solid
Lab File ID: 1YJ1707.D
Analysis Method: 8270D_LL_PAH
Date Collected:
Extract. Method: 3546
Date Extracted: 10/15/2014 14:21
Sample wt/vol: 30.01(g)
Date Analyzed: 10/17/2014 11:50
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.: 354069
Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
83-32-9	Acenaphthene	224		6.7	3.3
208-96-8	Acenaphthylene	220		6.7	3.3
120-12-7	Anthracene	242		6.7	3.3
56-55-3	Benzo[a]anthracene	260		6.7	3.3
50-32-8	Benzo[a]pyrene	256		6.7	1.2
205-99-2	Benzo[b]fluoranthene	259		6.7	3.3
191-24-2	Benzo[g,h,i]perylene	236		6.7	3.3
207-08-9	Benzo[k]fluoranthene	271		6.7	2.0
218-01-9	Chrysene	262		6.7	3.3
53-70-3	Dibenz(a,h)anthracene	247		6.7	3.3
206-44-0	Fluoranthene	252		6.7	3.3
86-73-7	Fluorene	224		6.7	3.3
193-39-5	Indeno[1,2,3-cd]pyrene	201		6.7	3.3
90-12-0	1-Methylnaphthalene	217		6.7	3.1
91-57-6	2-Methylnaphthalene	218		6.7	3.3
91-20-3	Naphthalene	214		6.7	3.3
85-01-8	Phenanthrene	235		6.7	2.4
129-00-0	Pyrene	248		6.7	3.3

CAS NO.	SURROGATE	%REC	Q	LIMITS
84-15-1	o-Terphenyl	82		36-131

TestAmerica Savannah
Target Compound Quantitation Report

Data File: \\SAVCHROM\ChromData\CMSY\20141017-13845.b\1YJ1707.D
Lims ID: LCSD 680-353671/23-A
Client ID:
Sample Type: LCSD
Inject. Date: 17-Oct-2014 11:50:30 ALS Bottle#: 7 Worklist Smp#: 7
Injection Vol: 2.0 ul Dil. Factor: 1.0000
Sample Info: LCSD 353671/23-A
Misc. Info.: 680-0013845-007
Operator ID: RM Instrument ID: CMSY

Method: \\SAVCHROM\ChromData\CMSY\20141017-13845.b\8270D_LLPAH_MSY.m
Limit Group: 8270D_LL_PAH
Last Update: 20-Oct-2014 09:21:49 Calib Date: 07-Oct-2014 15:41:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\SAVCHROM\ChromData\CMSY\20141007-13559.b\3YJ0707.D

Column 1 : Restek RXi-5Sil MS (0.25 mm) Det: MS SCAN
Process Host: XAWRK024

First Level Reviewer: webbk Date: 17-Oct-2014 13:51:46

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	2.752	2.753	-0.001	98	135078	2.00	2.00	
* 2 Acenaphthene-d10	164	4.437	4.437	0.000	92	76927	2.00	2.00	
* 3 Phenanthrene-d10	188	6.004	6.005	0.000	98	130306	2.00	2.00	
* 4 Chrysene-d12	240	8.877	8.877	0.000	99	131957	2.00	2.00	
* 5 Perylene-d12	264	10.224	10.225	-0.001	99	102518	2.00	2.00	
$ 6 o-Terphenyl	230	6.486	6.491	-0.005	91	69749	2.00	1.65	
7 Naphthalene	128	2.774	2.774	0.000	99	473773	10.0	6.43	
8 2-Methylnaphthalene	142	3.410	3.410	0.000	86	319575	10.0	6.54	
9 1-Methylnaphthalene	142	3.501	3.501	0.000	92	294849	10.0	6.51	
10 1,1'-Biphenyl	154	4.287	4.282	0.005	0	3904	NC	NC	
11 Acenaphthylene	152	4.287	4.288	-0.001	98	491449	10.0	6.59	
12 Acenaphthene	153	4.475	4.469	0.006	93	322619	10.0	6.74	
14 Fluorene	166	5.015	5.015	0.000	95	355145	10.0	6.72	
15 Phenanthrene	178	6.031	6.031	0.000	96	549453	10.0	7.05	
16 Anthracene	178	6.085	6.085	0.000	99	563688	10.0	7.27	
17 Fluoranthene	202	7.326	7.320	0.006	98	624855	10.0	7.56	
18 Pyrene	202	7.556	7.556	0.000	98	637124	10.0	7.43	
19 Benzo[a]anthracene	228	8.866	8.866	0.000	98	601295	10.0	7.79	
20 Chrysene	228	8.903	8.903	0.000	99	552663	10.0	7.87	
21 Benzo[b]fluoranthene	252	9.904	9.904	0.000	99	524937	10.0	7.79	
22 Benzo[k]fluoranthene	252	9.930	9.930	0.000	98	514883	10.0	8.13	
23 Benzo[a]pyrene	252	10.176	10.176	0.000	98	426830	10.0	7.70	
24 Indeno[1,2,3-cd]pyrene	276	11.064	11.070	-0.006	99	437413	10.0	6.04	
25 Dibenz(a,h)anthracene	278	11.086	11.091	-0.005	99	363149	10.0	7.41	
26 Benzo[g,h,i]perylene	276	11.273	11.273	0.000	98	361272	10.0	7.08	

QC Flag Legend

Processing Flags
NC - Not Calibrated

Reagents:

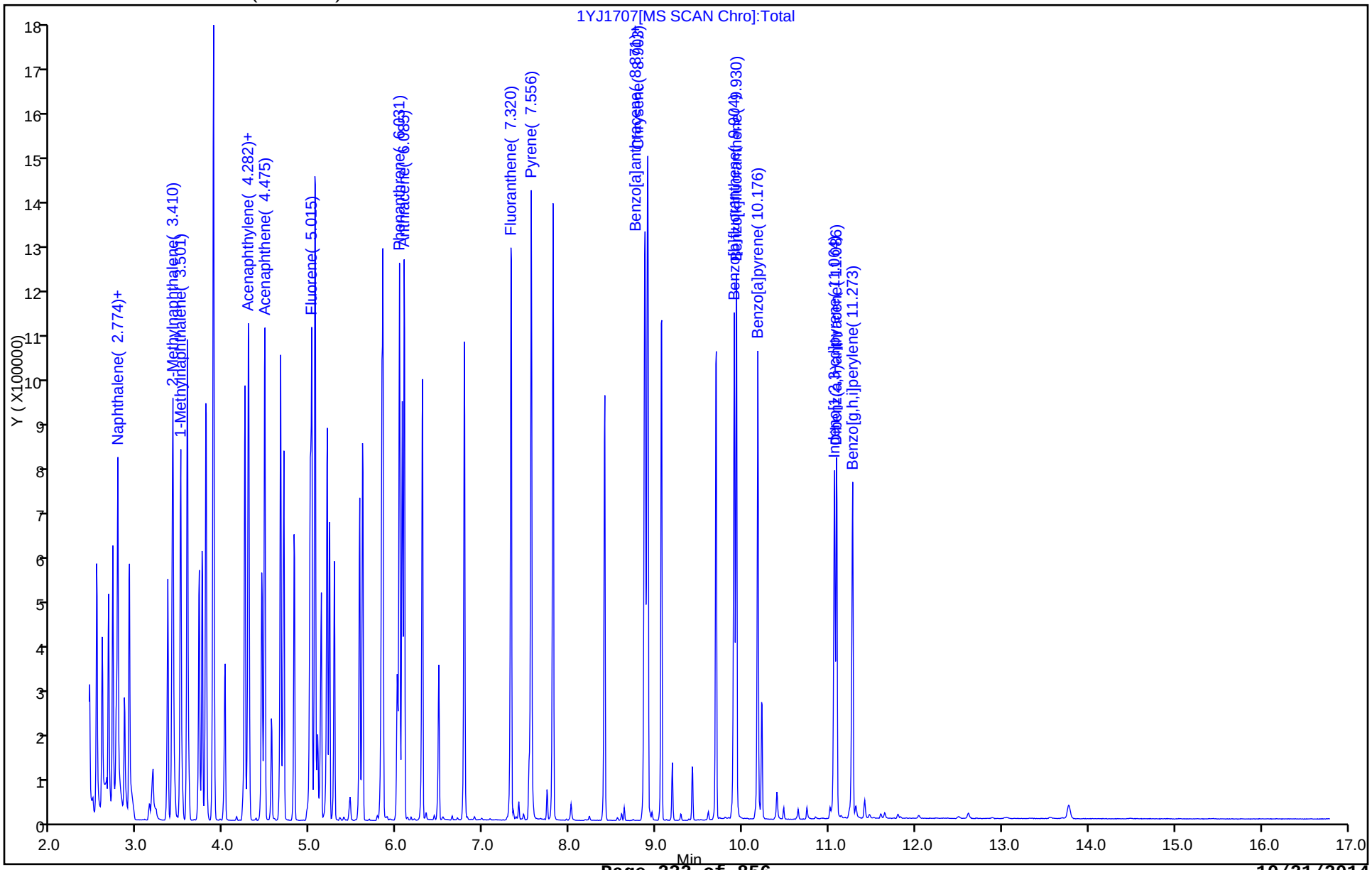
SM-LLISTD_00106 Amount Added: 10.00 Units: uL Run Reagent

Report Date: 20-Oct-2014 09:21:54 Chrom Revision: 2.2 18-Aug-2014 12:17:36

TestAmerica Savannah

Data File:	\\SAVCHROM\ChromData\CMSY\20141017-13845.b\1YJ1707.D				
Injection Date:	17-Oct-2014 11:50:30	Instrument ID:	CMSY	Operator ID:	RM
Lims ID:	LCSD 680-353671/23-A			Worklist Smp#:	7
Client ID:					
Injection Vol:	2.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	7
Method:	8270D_LLPAH_MSY	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.: 680-106200-4

SDG No.: 680-106200-04

Client Sample ID: CV0753B-CS (0-4") MS | Lab Sample ID: 680-106200-51 MS

Matrix: Solid | Lab File ID: 1YJ1710.D

Analysis Method: 8270D_LL_PAH | Date Collected: 10/07/2014 16:20

Extract. Method: 3546 | Date Extracted: 10/15/2014 14:21

Sample wt/vol: 30.03(g) | Date Analyzed: 10/17/2014 12:57

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

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

% Moisture: 12.7 | GPC Cleanup:(Y/N) N

Analysis Batch No.: 354069 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
83-32-9	Acenaphthene	212		77	38
208-96-8	Acenaphthylene	183		77	38
120-12-7	Anthracene	193		77	38
56-55-3	Benzo[a]anthracene	307		77	38
50-32-8	Benzo[a]pyrene	267		77	14
205-99-2	Benzo[b]fluoranthene	373		77	38
191-24-2	Benzo[g,h,i]perylene	192		77	38
207-08-9	Benzo[k]fluoranthene	253		77	23
218-01-9	Chrysene	415		77	38
53-70-3	Dibenz(a,h)anthracene	164		77	38
206-44-0	Fluoranthene	378		77	38
86-73-7	Fluorene	205		77	38
193-39-5	Indeno[1,2,3-cd]pyrene	157		77	38
90-12-0	1-Methylnaphthalene	472		77	35
91-57-6	2-Methylnaphthalene	518		77	38
91-20-3	Naphthalene	451		77	38
85-01-8	Phenanthrene	445		77	27
129-00-0	Pyrene	401		77	38

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\CMSY\20141017-13845.b\1YJ1710.D
Lims ID: 680-106200-A-51-D MS
Client ID: CV0753B-CS (0-4")
Sample Type: MS
Inject. Date: 17-Oct-2014 12:57:30 ALS Bottle#: 10 Worklist Smp#: 10
Injection Vol: 2.0 ul Dil. Factor: 10.0000
Sample Info: 106200-A-51-D MS 1:10
Misc. Info.: 680-0013845-010
Operator ID: RM Instrument ID: CMSY

Method: \\SAVCHROM\ChromData\CMSY\20141017-13845.b\8270D_LLPAH_MSY.m
Limit Group: 8270D_LL_PAH
Last Update: 20-Oct-2014 09:21:49 Calib Date: 07-Oct-2014 15:41:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\SAVCHROM\ChromData\CMSY\20141007-13559.b\3YJ0707.D

Column 1 : Restek RXi-5Sil MS (0.25 mm) Det: MS SCAN
Process Host: XAWRK024

First Level Reviewer: webbk Date: 17-Oct-2014 13:54:35

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	2.758	2.753	0.005	98	141702	0.2000	2.00	
* 2 Acenaphthene-d10	164	4.437	4.437	0.000	92	80114	0.2000	2.00	
* 3 Phenanthrene-d10	188	6.004	6.005	0.000	98	141349	0.2000	2.00	
* 4 Chrysene-d12	240	8.877	8.877	0.000	99	126034	0.2000	2.00	
* 5 Perylene-d12	264	10.230	10.225	0.005	99	100259	0.2000	2.00	
7 Naphthalene	128	2.774	2.774	0.000	99	91414	1.00	1.18	
8 2-Methylnaphthalene	142	3.410	3.410	0.000	87	69560	1.00	1.36	
9 1-Methylnaphthalene	142	3.501	3.501	0.000	92	58794	1.00	1.24	
13 Dibenzofuran	168	4.464	4.225	0.239	87	4722	NC	NC	
10 1,1'-Biphenyl	154	4.223	4.282	-0.059	0	1282	NC	NC	
11 Acenaphthylene	152	4.287	4.288	-0.001	98	37264	1.00	0.4800	
12 Acenaphthene	153	4.469	4.469	0.000	95	27765	1.00	0.5567	
14 Fluorene	166	5.015	5.015	0.000	95	29578	1.00	0.5372	
15 Phenanthrene	178	6.026	6.031	-0.005	96	98684	1.00	1.17	
16 Anthracene	178	6.085	6.085	0.000	99	42633	1.00	0.5068	
17 Fluoranthene	202	7.320	7.320	0.000	98	88777	1.00	0.99	
18 Pyrene	202	7.555	7.556	-0.001	98	86629	1.00	1.05	
19 Benzo[a]anthracene	228	8.866	8.866	0.000	98	59384	1.00	0.8056	
20 Chrysene	228	8.898	8.903	-0.005	99	76132	1.00	1.09	
21 Benzo[b]fluoranthene	252	9.903	9.904	-0.001	99	64498	1.00	0.9781	
22 Benzo[k]fluoranthene	252	9.925	9.930	-0.005	98	42407	1.00	0.6632	
23 Benzo[a]pyrene	252	10.176	10.176	0.000	99	37997	1.00	0.7006	
24 Indeno[1,2,3-cd]pyrene	276	11.064	11.070	-0.006	99	28545	1.00	0.4125	
25 Dibenz(a,h)anthracene	278	11.091	11.091	0.000	97	20425	1.00	0.4308	
26 Benzo[g,h,i]perylene	276	11.273	11.273	0.000	98	24832	1.00	0.5022	

QC Flag Legend

Processing Flags
NC - Not Calibrated

Reagents:

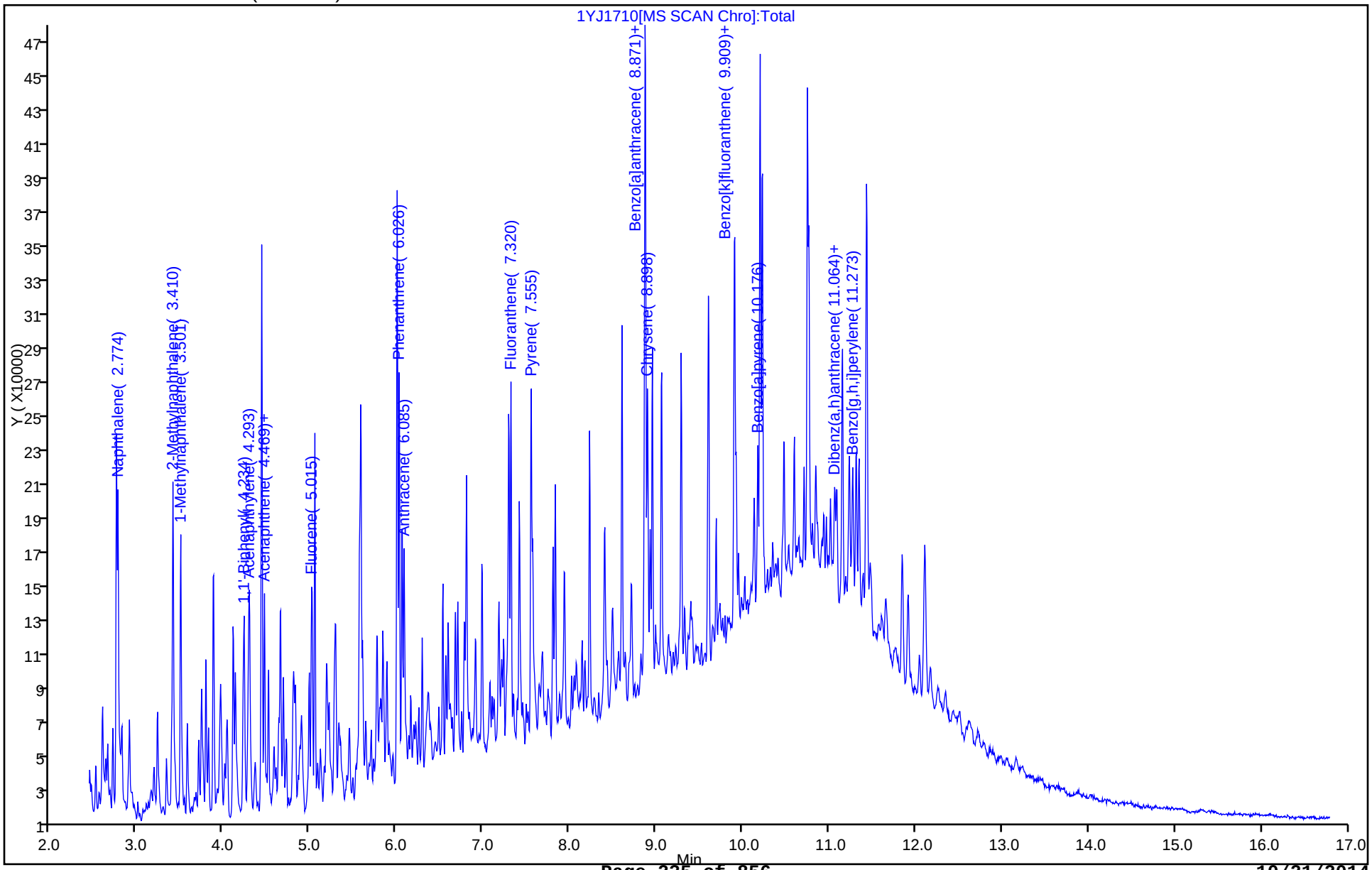
SM-LLISTD_00106 Amount Added: 10.00 Units: uL Run Reagent

Report Date: 20-Oct-2014 09:21:57 Chrom Revision: 2.2 18-Aug-2014 12:17:36

TestAmerica Savannah

Data File:	\\SAVCHROM\ChromData\CMSY\20141017-13845.b\1YJ1710.D				
Injection Date:	17-Oct-2014 12:57:30	Instrument ID:	CMSY	Operator ID:	RM
Lims ID:	680-106200-A-51-D MS			Worklist Smp#:	10
Client ID:	CV0753B-CS (0-4")				
Injection Vol:	2.0 ul	Dil. Factor:	10.0000	ALS Bottle#:	10
Method:	8270D_LLPAH_MSY	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.: 680-106200-4

SDG No.: 680-106200-04

Client Sample ID: CV0753B-CS (0-4") MSD | Lab Sample ID: 680-106200-51 MSD

Matrix: Solid | Lab File ID: 1YJ1711.D

Analysis Method: 8270D_LL_PAH | Date Collected: 10/07/2014 16:20

Extract. Method: 3546 | Date Extracted: 10/15/2014 14:21

Sample wt/vol: 30.05(g) | Date Analyzed: 10/17/2014 13:19

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

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

% Moisture: 12.7 | GPC Cleanup:(Y/N) N

Analysis Batch No.: 354069 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
83-32-9	Acenaphthene	189		77	38
208-96-8	Acenaphthylene	175		77	38
120-12-7	Anthracene	187		77	38
56-55-3	Benzo[a]anthracene	339		77	38
50-32-8	Benzo[a]pyrene	251		77	14
205-99-2	Benzo[b]fluoranthene	410		77	38
191-24-2	Benzo[g,h,i]perylene	187		77	38
207-08-9	Benzo[k]fluoranthene	203		77	23
218-01-9	Chrysene	382		77	38
53-70-3	Dibenz(a,h)anthracene	160		77	38
206-44-0	Fluoranthene	446		77	38
86-73-7	Fluorene	182		77	38
193-39-5	Indeno[1,2,3-cd]pyrene	154		77	38
90-12-0	1-Methylnaphthalene	372		77	35
91-57-6	2-Methylnaphthalene	382		77	38
91-20-3	Naphthalene	359		77	38
85-01-8	Phenanthrene	484		77	27
129-00-0	Pyrene	456		77	38

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\CMSY\20141017-13845.b\1YJ1711.D
Lims ID: 680-106200-A-51-E MSD
Client ID: CV0753B-CS (0-4")
Sample Type: MSD
Inject. Date: 17-Oct-2014 13:19:30 ALS Bottle#: 11 Worklist Smp#: 11
Injection Vol: 2.0 ul Dil. Factor: 10.0000
Sample Info: 106200-A-51-E MSD 1:10
Misc. Info.: 680-0013845-011
Operator ID: RM Instrument ID: CMSY

Method: \\SAVCHROM\ChromData\CMSY\20141017-13845.b\8270D_LLPAH_MSY.m
Limit Group: 8270D_LL_PAH
Last Update: 20-Oct-2014 09:21:49 Calib Date: 07-Oct-2014 15:41:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\SAVCHROM\ChromData\CMSY\20141007-13559.b\3YJ0707.D

Column 1 : Restek RXi-5Sil MS (0.25 mm) Det: MS SCAN
Process Host: XAWRK024

First Level Reviewer: webbk Date: 17-Oct-2014 13:55:01

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	2.758	2.753	0.005	98	150371	0.2000	2.00	
* 2 Acenaphthene-d10	164	4.437	4.437	0.000	92	84934	0.2000	2.00	
* 3 Phenanthrene-d10	188	6.004	6.005	0.000	98	151958	0.2000	2.00	
* 4 Chrysene-d12	240	8.877	8.877	0.000	99	132536	0.2000	2.00	
* 5 Perylene-d12	264	10.230	10.225	0.005	99	102817	0.2000	2.00	
7 Naphthalene	128	2.774	2.774	0.000	99	77297	1.00	0.9424	
8 2-Methylnaphthalene	142	3.410	3.410	0.000	87	54529	1.00	1.00	
9 1-Methylnaphthalene	142	3.501	3.501	0.000	94	49174	1.00	0.9750	
13 Dibenzofuran	168	4.464	4.225	0.239	87	4631	NC	NC	
10 1,1'-Biphenyl	154	4.223	4.282	-0.059	0	1071	NC	NC	
11 Acenaphthylene	152	4.288	4.288	0.000	98	37834	1.00	0.4597	
12 Acenaphthene	153	4.469	4.469	0.000	94	26167	1.00	0.4949	
14 Fluorene	166	5.015	5.015	0.000	97	27821	1.00	0.4766	
15 Phenanthrene	178	6.031	6.031	0.000	96	115389	1.00	1.27	
16 Anthracene	178	6.085	6.085	0.000	99	44407	1.00	0.4910	
17 Fluoranthene	202	7.320	7.320	0.000	98	112816	1.00	1.17	
18 Pyrene	202	7.556	7.556	0.000	97	103593	1.00	1.19	
19 Benzo[a]anthracene	228	8.866	8.866	0.000	97	68901	1.00	0.8889	
20 Chrysene	228	8.903	8.903	0.000	99	73699	1.00	1.00	
21 Benzo[b]fluoranthene	252	9.904	9.904	0.000	98	72785	1.00	1.08	
22 Benzo[k]fluoranthene	252	9.925	9.930	-0.005	98	34880	1.00	0.5316	
23 Benzo[a]pyrene	252	10.176	10.176	0.000	98	36616	1.00	0.6583	
24 Indeno[1,2,3-cd]pyrene	276	11.064	11.070	-0.006	99	29382	1.00	0.4038	
25 Dibenz(a,h)anthracene	278	11.091	11.091	0.000	98	20393	1.00	0.4194	
26 Benzo[g,h,i]perylene	276	11.273	11.273	0.000	98	24870	1.00	0.4905	

QC Flag Legend

Processing Flags
NC - Not Calibrated

Reagents:

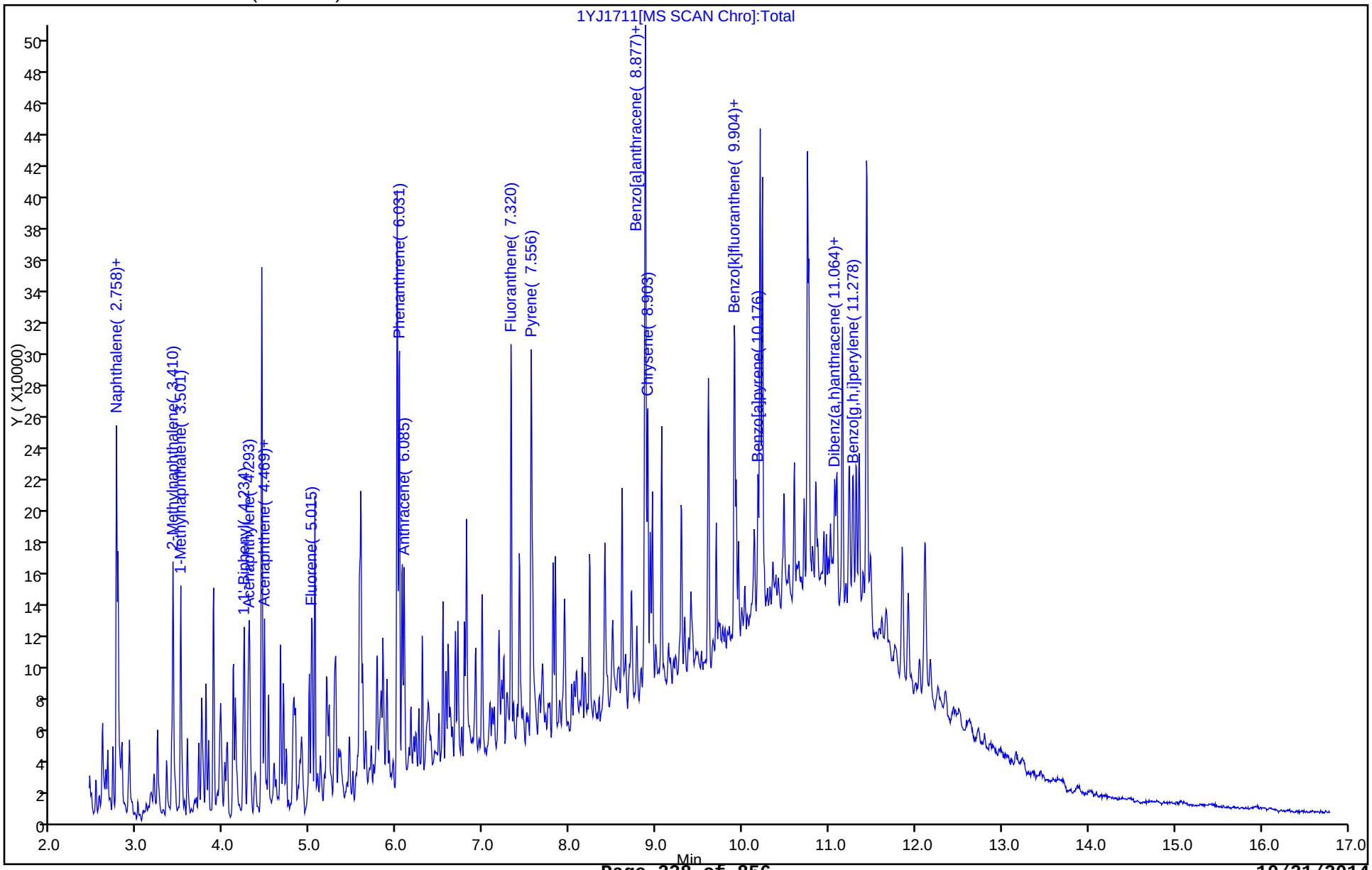
SM-LLISTD_00106 Amount Added: 10.00 Units: uL Run Reagent

Report Date: 20-Oct-2014 09:22:00 Chrom Revision: 2.2 18-Aug-2014 12:17:36

TestAmerica Savannah

Data File:	\\SAVCHROM\ChromData\CMSY\20141017-13845.b\1YJ1711.D				
Injection Date:	17-Oct-2014 13:19:30	Instrument ID:	CMSY	Operator ID:	RM
Lims ID:	680-106200-A-51-E MSD			Worklist Smp#:	11
Client ID:	CV0753B-CS (0-4")				
Injection Vol:	2.0 ul	Dil. Factor:	10.0000	ALS Bottle#:	11
Method:	8270D_LLPAH_MSY	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.: 680-106200-4

SDG No.: 680-106200-04

Instrument ID: CMSY Start Date: 10/07/2014 13:30

Analysis Batch Number: 352391 End Date: 10/07/2014 23:50

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
DFTPP 680-352391/1		10/07/2014 13:30	1	3YJ0701.D	RXi- 5Sil MS 0.25(mm)
ICIS 680-352391/2		10/07/2014 13:49	1	3YJ0702.D	RXi- 5Sil MS 0.25(mm)
IC 680-352391/3		10/07/2014 14:12	1	3YJ0703.D	RXi- 5Sil MS 0.25(mm)
IC 680-352391/4		10/07/2014 14:34	1	3YJ0704.D	RXi- 5Sil MS 0.25(mm)
IC 680-352391/5		10/07/2014 14:56	1	3YJ0705.D	RXi- 5Sil MS 0.25(mm)
IC 680-352391/6		10/07/2014 15:18	1	3YJ0706.D	RXi- 5Sil MS 0.25(mm)
IC 680-352391/7		10/07/2014 15:41	1	3YJ0707.D	RXi- 5Sil MS 0.25(mm)
IC 680-352391/8		10/07/2014 16:03	1	3YJ0708.D	RXi- 5Sil MS 0.25(mm)
ICV 680-352391/9		10/07/2014 16:25	1	3YJ0709.D	RXi- 5Sil MS 0.25(mm)
ZZZZZ		10/07/2014 16:48	1		RXi- 5Sil MS 0.25(mm)
ZZZZZ		10/07/2014 17:10	1		RXi- 5Sil MS 0.25(mm)
ZZZZZ		10/07/2014 17:32	1		RXi- 5Sil MS 0.25(mm)
ZZZZZ		10/07/2014 17:55	1		RXi- 5Sil MS 0.25(mm)
ZZZZZ		10/07/2014 18:17	1		RXi- 5Sil MS 0.25(mm)
ZZZZZ		10/07/2014 18:39	1		RXi- 5Sil MS 0.25(mm)
ZZZZZ		10/07/2014 19:01	20		RXi- 5Sil MS 0.25(mm)
ZZZZZ		10/07/2014 19:24	20		RXi- 5Sil MS 0.25(mm)
ZZZZZ		10/07/2014 19:46	20		RXi- 5Sil MS 0.25(mm)
ZZZZZ		10/07/2014 20:08	1		RXi- 5Sil MS 0.25(mm)
ZZZZZ		10/07/2014 20:31	1		RXi- 5Sil MS 0.25(mm)
ZZZZZ		10/07/2014 21:15	1		RXi- 5Sil MS 0.25(mm)
ZZZZZ		10/07/2014 21:37	1		RXi- 5Sil MS 0.25(mm)
ZZZZZ		10/07/2014 22:00	1		RXi- 5Sil MS 0.25(mm)
ZZZZZ		10/07/2014 22:22	1		RXi- 5Sil MS 0.25(mm)
ZZZZZ		10/07/2014 22:44	20		RXi- 5Sil MS 0.25(mm)
ZZZZZ		10/07/2014 23:06	20		RXi- 5Sil MS 0.25(mm)
ZZZZZ		10/07/2014 23:28	20		RXi- 5Sil MS 0.25(mm)
ZZZZZ		10/07/2014 23:50	20		RXi- 5Sil MS 0.25(mm)

GC/MS SEMI VOA ANALYSIS RUN LOG

Lab Name: TestAmerica Savannah Job No.: 680-106200-4

SDG No.: 680-106200-04

Instrument ID: CMSY Start Date: 10/17/2014 09:26

Analysis Batch Number: 354069 End Date: 10/17/2014 20:20

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
DFTPP 680-354069/1		10/17/2014 09:26	1	1YJ1701.D	RXi- 5Sil MS 0.25(mm)
CCVIS 680-354069/2		10/17/2014 09:52	1	1YJ1702.D	RXi- 5Sil MS 0.25(mm)
RL 680-354069/3		10/17/2014 10:22	1		RXi- 5Sil MS 0.25(mm)
ZZZZZ		10/17/2014 10:44	1		RXi- 5Sil MS 0.25(mm)
MB 680-353671/19-A		10/17/2014 11:06	1	1YJ1705.D	RXi- 5Sil MS 0.25(mm)
LCS 680-353671/20-A		10/17/2014 11:28	1	1YJ1706.D	RXi- 5Sil MS 0.25(mm)
LCSD 680-353671/23-A		10/17/2014 11:50	1	1YJ1707.D	RXi- 5Sil MS 0.25(mm)
ZZZZZ		10/17/2014 12:12	10		RXi- 5Sil MS 0.25(mm)
ZZZZZ		10/17/2014 12:34	10		RXi- 5Sil MS 0.25(mm)
680-106200-51 MS	CV0753B-CS (0-4") MS	10/17/2014 12:57	10	1YJ1710.D	RXi- 5Sil MS 0.25(mm)
680-106200-51 MSD	CV0753B-CS (0-4") MSD	10/17/2014 13:19	10	1YJ1711.D	RXi- 5Sil MS 0.25(mm)
ZZZZZ		10/17/2014 13:41	10		RXi- 5Sil MS 0.25(mm)
680-106200-51	CV0753B-CS (0-4")	10/17/2014 14:03	10	1YJ1713.D	RXi- 5Sil MS 0.25(mm)
ZZZZZ		10/17/2014 14:25	10		RXi- 5Sil MS 0.25(mm)
ZZZZZ		10/17/2014 14:48	10		RXi- 5Sil MS 0.25(mm)
ZZZZZ		10/17/2014 15:10	1		RXi- 5Sil MS 0.25(mm)
ZZZZZ		10/17/2014 15:32	10		RXi- 5Sil MS 0.25(mm)
ZZZZZ		10/17/2014 15:54	10		RXi- 5Sil MS 0.25(mm)
ZZZZZ		10/17/2014 16:16	1		RXi- 5Sil MS 0.25(mm)
ZZZZZ		10/17/2014 16:39	1		RXi- 5Sil MS 0.25(mm)
ZZZZZ		10/17/2014 17:01	10		RXi- 5Sil MS 0.25(mm)
ZZZZZ		10/17/2014 17:23	10		RXi- 5Sil MS 0.25(mm)
680-106200-55	CV0509X-CS6	10/17/2014 17:45	10	1YJ1723.D	RXi- 5Sil MS 0.25(mm)
680-106200-56	CV0509X-CS12	10/17/2014 18:07	10	1YJ1724.D	RXi- 5Sil MS 0.25(mm)
680-106200-57	CV0509X-CS18	10/17/2014 18:29	1	1YJ1725.D	RXi- 5Sil MS 0.25(mm)
680-106200-58	CV0613A-CS6	10/17/2014 18:52	10	1YJ1726.D	RXi- 5Sil MS 0.25(mm)
680-106200-59	CV0613A-CS12	10/17/2014 19:14	1	1YJ1727.D	RXi- 5Sil MS 0.25(mm)
680-106200-60	CV0613A-CS18	10/17/2014 19:36	1	1YJ1728.D	RXi- 5Sil MS 0.25(mm)
680-106200-61	CV0613A-CS24	10/17/2014 19:58	1	1YJ1729.D	RXi- 5Sil MS 0.25(mm)
680-106200-62	CV0509KK-CS6	10/17/2014 20:20	10	1YJ1730.D	RXi- 5Sil MS 0.25(mm)

GC/MS SEMI VOA BATCH WORKSHEET

Lab Name: TestAmerica Savannah Job No.: 680-106200-4

SDG No.: 680-106200-04

Batch Number: 353671 Batch Start Date: 10/15/14 14:21 Batch Analyst: Kicklighter, Jasmine M

Batch Method: 3546 Batch End Date: 10/15/14 14:51

Lab Sample ID	Client Sample ID	Method Chain	Basis	InitialAmount	FinalAmount	EX8270SPKL1 00015	LLBNAwkSUR 00079	AnalysisComment	
680-106200-A-51	CV0753B-CS (0-4")	3546, 8270D_LL_PAH	T	30.01 g	1 mL		1 mL		
680-106200-A-55	CV0509X-CS6	3546, 8270D_LL_PAH	T	30.03 g	1 mL		1 mL		
680-106200-A-56	CV0509X-CS12	3546, 8270D_LL_PAH	T	30.03 g	1 mL		1 mL		
680-106200-A-57	CV0509X-CS18	3546, 8270D_LL_PAH	T	30.01 g	1 mL		1 mL		
680-106200-A-58	CV0613A-CS6	3546, 8270D_LL_PAH	T	30.02 g	1 mL		1 mL		
680-106200-A-60	CV0613A-CS18	3546, 8270D_LL_PAH	T	30.01 g	1 mL		1 mL		
680-106200-A-61	CV0613A-CS24	3546, 8270D_LL_PAH	T	30.01 g	1 mL		1 mL		
680-106200-A-62	CV0509KK-CS6	3546, 8270D_LL_PAH	T	30.02 g	1 mL		1 mL		
MB 680-353671/19		3546, 8270D_LL_PAH		30.01 g	1 mL		1 mL		
LCS 680-353671/20		3546, 8270D_LL_PAH		30.05 g	1 mL	100 uL	1 mL	8270LLSPK	
LCSD 680-353671/23		3546, 8270D_LL_PAH		30.01 g	1 mL	100 uL	1 mL	8270LLSPK	
680-106200-A-51 MS	CV0753B-CS (0-4")	3546, 8270D_LL_PAH	T	30.03 g	1 mL	100 uL	1 mL	8270LLSPK	
680-106200-A-51 MSD	CV0753B-CS (0-4")	3546, 8270D_LL_PAH	T	30.05 g	1 mL	100 uL	1 mL	8270LLSPK	
680-106200-A-59	CV0613A-CS12	3546, 8270D_LL_PAH	T	30.04 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.: 680-106200-4

SDG No.: 680-106200-04

Batch Number: 353671 Batch Start Date: 10/15/14 14:21 Batch Analyst: Kicklighter, Jasmine M

Batch Method: 3546 Batch End Date: 10/15/14 14:51

Batch Notes	
Balance ID	30
Batch Comment	8270D_LL_PAH BOX LL205
Concentration End Time	1808
Concentration Start Time	1644
Person's name who did the concentration	JMK
Exchange Solvent Lot #	3796962
Exchange Solvent Name	MECL2
Filter Paper Lot Number	09-795G
Final Concentrator Volume	1 mL
MeCl2/Acetone Lot #	3787739
Microwave Oven ID	1
Microwave Start Time	1421
Microwave Stop Time	1451
Na2SO4 Lot Number	3796247
Ottawa Sand Lot #	3776812
Person's name who did the prep	JMK
Person who performed Spike	JMK
Person who witnessed spiking	JV

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: 680-106200-4

SDG No.: 680-106200-04

Project: 35th Avenue Superfund Site

Client Sample ID	Lab Sample ID
CV0753B-CS (0-4")	680-106200-51
CV0613E-CS (0-4")	680-106200-52
CV0509Y-CS (0-4")	680-106200-53
CV0509Y-CSD (0-4")	680-106200-54
CV0509X-CS6	680-106200-55
CV0509X-CS12	680-106200-56
CV0509X-CS18	680-106200-57
CV0613A-CS6	680-106200-58
CV0613A-CS12	680-106200-59
CV0613A-CS18	680-106200-60
CV0613A-CS24	680-106200-61
CV0509KK-CS6	680-106200-62

Comments:

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS

Client Sample ID: CV0753B-CS (0-4")
Lab Sample ID: 680-106200-51
Lab Name: TestAmerica Savannah
Job No.: 680-106200-4
SDG ID.: 680-106200-04
Matrix: Solid
Date Sampled: 10/07/2014 16:20
Reporting Basis: DRY
Date Received: 10/11/2014 09:33
% Solids: 87.3

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7429-90-5	Aluminum	13000	20	10	mg/Kg			1	6010C
7440-38-2	Arsenic	28	2.0	0.59	mg/Kg			1	6010C
7439-89-6	Iron	41000	20	7.0	mg/Kg			1	6010C
7439-92-1	Lead	340	1.0	0.53	mg/Kg			1	6010C

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS

Client Sample ID: CV0613E-CS (0-4")
Lab Sample ID: 680-106200-52
Lab Name: TestAmerica Savannah
Job No.: 680-106200-4
SDG ID.: 680-106200-04
Matrix: Solid
Date Sampled: 10/07/2014 15:40
Reporting Basis: DRY
Date Received: 10/11/2014 09:33
% Solids: 94.1

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	10	1.9	0.58	mg/Kg			1	6010C
7439-89-6	Iron	33000	19	6.8	mg/Kg			1	6010C
7439-92-1	Lead	140	0.97	0.52	mg/Kg			1	6010C

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS

Client Sample ID: CV0509Y-CS (0-4")
Lab Sample ID: 680-106200-53
Lab Name: TestAmerica Savannah
Job No.: 680-106200-4
SDG ID.: 680-106200-04
Matrix: Solid
Date Sampled: 10/07/2014 11:30
Reporting Basis: DRY
Date Received: 10/11/2014 09:33
% Solids: 86.0

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7429-90-5	Aluminum	13000	23	11	mg/Kg			1	6010C
7440-38-2	Arsenic	26	2.3	0.67	mg/Kg			1	6010C
7439-89-6	Iron	37000	23	8.0	mg/Kg			1	6010C
7439-92-1	Lead	340	11	6.0	mg/Kg			10	6010C

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS

Client Sample ID: CV0509Y-CSD (0-4")
Lab Sample ID: 680-106200-54
Lab Name: TestAmerica Savannah
Job No.: 680-106200-4
SDG ID.: 680-106200-04
Matrix: Solid
Date Sampled: 10/07/2014 11:30
Reporting Basis: DRY
Date Received: 10/11/2014 09:33
% Solids: 80.4

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7429-90-5	Aluminum	14000	23	12	mg/Kg			1	6010C
7440-38-2	Arsenic	24	2.3	0.69	mg/Kg			1	6010C
7439-89-6	Iron	35000	23	8.1	mg/Kg			1	6010C
7439-92-1	Lead	280	12	6.2	mg/Kg			10	6010C

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS

Client Sample ID: CV0509X-CS6
Lab Sample ID: 680-106200-55
Lab Name: TestAmerica Savannah
Job No.: 680-106200-4
SDG ID.: 680-106200-04
Matrix: Solid
Date Sampled: 10/07/2014 10:20
Reporting Basis: DRY
Date Received: 10/11/2014 09:33
% Solids: 80.6

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7429-90-5	Aluminum	13000	23	11	mg/Kg			1	6010C
7440-38-2	Arsenic	18	2.3	0.68	mg/Kg			1	6010C
7439-89-6	Iron	33000	23	8.0	mg/Kg			1	6010C
7439-92-1	Lead	80	1.1	0.61	mg/Kg			1	6010C

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS

Client Sample ID: CV0509X-CS12
Lab Sample ID: 680-106200-56
Lab Name: TestAmerica Savannah
Job No.: 680-106200-4
SDG ID.: 680-106200-04
Matrix: Solid
Date Sampled: 10/07/2014 10:30
Reporting Basis: DRY
Date Received: 10/11/2014 09:33
% Solids: 89.7

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7429-90-5	Aluminum	11000	20	9.8	mg/Kg			1	6010C
7440-38-2	Arsenic	11	2.0	0.58	mg/Kg			1	6010C
7439-89-6	Iron	31000	20	6.8	mg/Kg			1	6010C
7439-92-1	Lead	39	0.98	0.52	mg/Kg			1	6010C

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS

Client Sample ID: CV0509X-CS18
Lab Sample ID: 680-106200-57
Lab Name: TestAmerica Savannah
Job No.: 680-106200-4
SDG ID.: 680-106200-04
Matrix: Solid
Date Sampled: 10/07/2014 10:40
Reporting Basis: DRY
Date Received: 10/11/2014 09:33
% Solids: 88.6

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	8.8	2.2	0.66	mg/Kg			1	6010C
7439-89-6	Iron	35000	22	7.8	mg/Kg			1	6010C
7439-92-1	Lead	30	1.1	0.59	mg/Kg			1	6010C

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS

Client Sample ID: CV0613A-CS6
Lab Sample ID: 680-106200-58
Lab Name: TestAmerica Savannah
Job No.: 680-106200-4
SDG ID.: 680-106200-04
Matrix: Solid
Date Sampled: 10/07/2014 13:00
Reporting Basis: DRY
Date Received: 10/11/2014 09:33
% Solids: 93.0

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	33000	21	7.5	mg/Kg			1	6010C
7439-92-1	Lead	83	1.1	0.56	mg/Kg			1	6010C

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS

Client Sample ID: CV0613A-CS12
Lab Sample ID: 680-106200-59
Lab Name: TestAmerica Savannah
Job No.: 680-106200-4
SDG ID.: 680-106200-04
Matrix: Solid
Date Sampled: 10/07/2014 13:10
Reporting Basis: DRY
Date Received: 10/11/2014 09:33
% Solids: 92.3

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7429-90-5	Aluminum	14000	19	9.3	mg/Kg			1	6010C
7440-38-2	Arsenic	42	1.9	0.55	mg/Kg			1	6010C
7439-89-6	Iron	68000	19	6.5	mg/Kg			1	6010C
7439-92-1	Lead	63	9.3	5.0	mg/Kg			10	6010C

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS

Client Sample ID: CV0613A-CS18
Lab Sample ID: 680-106200-60
Lab Name: TestAmerica Savannah
Job No.: 680-106200-4
SDG ID.: 680-106200-04
Matrix: Solid
Date Sampled: 10/07/2014 13:20
Reporting Basis: DRY
Date Received: 10/11/2014 09:33
% Solids: 89.3

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7429-90-5	Aluminum	17000	21	10	mg/Kg			1	6010C
7440-38-2	Arsenic	62	2.1	0.61	mg/Kg			1	6010C
7439-89-6	Iron	73000	21	7.2	mg/Kg			1	6010C
7439-92-1	Lead	32	1.0	0.54	mg/Kg			1	6010C

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS

Client Sample ID: CV0613A-CS24
Lab Sample ID: 680-106200-61
Lab Name: TestAmerica Savannah
Job No.: 680-106200-4
SDG ID.: 680-106200-04
Matrix: Solid
Date Sampled: 10/07/2014 13:30
Reporting Basis: DRY
Date Received: 10/11/2014 09:33
% Solids: 87.2

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7429-90-5	Aluminum	18000	21	11	mg/Kg			1	6010C
7440-38-2	Arsenic	40	2.1	0.63	mg/Kg			1	6010C
7439-89-6	Iron	57000	21	7.5	mg/Kg			1	6010C
7439-92-1	Lead	20	1.1	0.57	mg/Kg			1	6010C

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS

Client Sample ID: CV0509KK-CS6
Lab Sample ID: 680-106200-62
Lab Name: TestAmerica Savannah
Job No.: 680-106200-4
SDG ID.: 680-106200-04
Matrix: Solid
Date Sampled: 10/07/2014 14:10
Reporting Basis: DRY
Date Received: 10/11/2014 09:33
% Solids: 94.8

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7429-90-5	Aluminum	6000	19	9.3	mg/Kg			1	6010C
7440-38-2	Arsenic	12	1.9	0.55	mg/Kg			1	6010C
7439-89-6	Iron	19000	19	6.5	mg/Kg			1	6010C
7439-92-1	Lead	40	0.93	0.49	mg/Kg			1	6010C

2A-IN
CALIBRATION VERIFICATIONS
METALS

Lab Name: TestAmerica Savannah Job No.: 680-106200-4

SDG No.: 680-106200-04

ICV Source: P_ICV_wk_00229 Concentration Units: ug/L

CCV Source: P_CCV_wk_00128

Analyte	ICV 680-353429/4 10/13/2014 13:36				CCV 680-353429/12 10/13/2014 14:13				CCV 680-353429/204 10/14/2014 03:56			
	Found	C	True	%R	Found	C	True	%R	Found	C	True	%R
Aluminum	966		1000	97	4780		5000	96	4810		5000	96
Arsenic	980		1000	98	477		500	95	466		500	93
Iron	977		1000	98	4840		5000	97	4910		5000	98
Lead	1000		1000	100	486		500	97	488		500	98

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

2A-IN
CALIBRATION VERIFICATIONS
METALS

Lab Name: TestAmerica Savannah Job No.: 680-106200-4

SDG No.: 680-106200-04

ICV Source: P_ICV_wk_00229 Concentration Units: ug/L

CCV Source: P_CCV_wk_00128

Analyte	CCV 680-353429/216 10/14/2014 04:47				CCV 680-353429/228 10/14/2014 05:39				CCV 680-353429/238 10/14/2014 06:22			
	Found	C	True	%R	Found	C	True	%R	Found	C	True	%R
Aluminum	4860		5000	97	4950		5000	99	4950		5000	99
Arsenic	472		500	94	484		500	97	489		500	98
Iron	4990		5000	100	5120		5000	102	5060		5000	101
Lead	497		500	99	506		500	101	503		500	101

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.: 680-106200-4

SDG No.: 680-106200-04

ICV Source: P_ICV_wk_00229 Concentration Units: ug/L

CCV Source: P_CCV_wk_00128

Analyte	ICV 680-353783/4 10/15/2014 09:59				CCV 680-353783/13 10/15/2014 10:38				CCV 680-353783/37 10/15/2014 12:21			
	Found	C	True	%R	Found	C	True	%R	Found	C	True	%R
Lead	977		1000	98	484		500	97	500		500	100
Aluminum	956		1000	96	4710		5000	94	4860		5000	97
Arsenic	950		1000	95	456		500	91	459		500	92
Iron	959		1000	96	4780		5000	96	4940		5000	99

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

2A-IN
CALIBRATION VERIFICATIONS
METALS

Lab Name: TestAmerica Savannah Job No.: 680-106200-4

SDG No.: 680-106200-04

ICV Source: P_ICV_wk_00229 Concentration Units: ug/L

CCV Source: P_CCV_wk_00128

Analyte	CCV 680-353783/49 10/15/2014 13:12											
	Found	C	True	%R	Found	C	True	%R	Found	C	True	%R
Lead	494		500	99								
Aluminum	4800		5000	96								
Arsenic	460		500	92								
Iron	4870		5000	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.: 680-106200-4

SDG No.: 680-106200-04

ICV Source: P_ICV_wk_00229 Concentration Units: ug/L

CCV Source: P_CCV_wk_00128

Analyte	ICV 680-353949/4 10/15/2014 09:59				CCV 680-353949/13 10/15/2014 10:38				CCV 680-353949/118 10/15/2014 18:23			
	Found	C	True	%R	Found	C	True	%R	Found	C	True	%R
Aluminum	956		1000	96	4710		5000	94	4840		5000	97
Arsenic	1010		1000	101	459		500	92	464		500	93
Iron	959		1000	96	4780		5000	96	4900		5000	98
Lead	977		1000	98	484		500	97	494		500	99

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

2A-IN
CALIBRATION VERIFICATIONS
METALS

Lab Name: TestAmerica Savannah Job No.: 680-106200-4

SDG No.: 680-106200-04

ICV Source: P_ICV_wk_00229 Concentration Units: ug/L

CCV Source: P_CCV_wk_00128

Analyte	CCV 680-353949/130 10/15/2014 19:14				CCV 680-353949/142 10/15/2014 20:06				CCV 680-353949/154 10/15/2014 20:57			
	Found	C	True	%R	Found	C	True	%R	Found	C	True	%R
Aluminum	4820		5000	96	4830		5000	97	4820		5000	96
Arsenic	458		500	92	457		500	91	458		500	92
Iron	4880		5000	98	4910		5000	98	4840		5000	97
Lead	491		500	98	484		500	97	480		500	96

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.: 680-106200-4

SDG No.: 680-106200-04

ICV Source: P_ICV_wk_00229 Concentration Units: ug/L

CCV Source: P_CCV_wk_00128

Analyte	CCV 680-353949/195 10/16/2014 09:56				CCV 680-353949/207 10/16/2014 10:47				CCV 680-353949/219 10/16/2014 11:39			
	Found	C	True	%R	Found	C	True	%R	Found	C	True	%R
Aluminum	4780		5000	96	4760		5000	95	4790		5000	96
Arsenic	458		500	92	449		500	90	459		500	92
Iron	4750		5000	95	4780		5000	96	4860		5000	97
Lead	478		500	96	483		500	97	482		500	96

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

2B-IN
CRQL CHECK STANDARD
METALS

Lab Name: TestAmerica Savannah Job No.: 680-106200-4

SDG No.: 680-106200-04

Method: 6010C Instrument ID: ICPE

Lab Sample ID: CRI 680-353429/6 Concentration Units: ug/L

CRQL Check Standard Source: P_RL_Int_00034

Analyte	CRQL Check Standard				
	True	Found	Qualifiers	%R(1)	Limits
Aluminum	200	197	J	99	70-130
Arsenic	20.0	22.2		111	70-130
Iron	50.0	200	U	100	70-130
Lead	10.0	11.9		119	70-130

Lab Sample ID: CRI 680-353429/237 Concentration Units: ug/L

CRQL Check Standard Source: P_RL_Int_00034

Analyte	CRQL Check Standard				
	True	Found	Qualifiers	%R(1)	Limits
Aluminum	200	204		102	70-130
Arsenic	20.0	21.9		110	70-130
Iron	50.0	200	U	125	70-130
Lead	10.0	9.95	J	99	70-130

Lab Sample ID: CRI 680-353783/7 Concentration Units: ug/L

CRQL Check Standard Source: P_RL_Int_00034

Analyte	CRQL Check Standard				
	True	Found	Qualifiers	%R(1)	Limits
Aluminum	200	204		102	70-130
Arsenic	20.0	17.9	J	90	70-130
Iron	50.0	200	U	106	70-130
Lead	10.0	11.2		112	70-130

Lab Sample ID: CRI 680-353949/7 Concentration Units: ug/L

CRQL Check Standard Source: P_RL_Int_00034

Analyte	CRQL Check Standard				
	True	Found	Qualifiers	%R(1)	Limits
Aluminum	200	204		102	70-130
Arsenic	20.0	22.4		112	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.: 680-106200-4

SDG No.: 680-106200-04

Method: 6010C Instrument ID: ICPE

Lab Sample ID: CRI 680-353949/7 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	106	70-130
Lead	10.0	11.2		112	70-130

Lab Sample ID: CRI 680-353783/69 Concentration Units: ug/L

CRQL Check Standard Source: P_RL_Int_00034

Analyte	CRQL Check Standard				
	True	Found	Qualifiers	%R(1)	Limits
Aluminum	200	215		108	70-130
Arsenic	20.0	21.7		109	70-130
Iron	50.0	200	U	107	70-130
Lead	10.0	12.6		126	70-130

Lab Sample ID: CRI 680-353949/226 Concentration Units: ug/L

CRQL Check Standard Source: P_RL_Int_00034

Analyte	CRQL Check Standard				
	True	Found	Qualifiers	%R(1)	Limits
Aluminum	200	218		109	70-130
Arsenic	20.0	25.6		128	70-130
Iron	50.0	200	U	103	70-130
Lead	10.0	11.4		114	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.: 680-106200-4

SDG No.: 680-106200-04

Concentration Units: ug/L

Analyte	RL	ICBIS 680-353429/5 10/13/2014 13:40		CCB 680-353429/13 10/13/2014 14:18		CCB 680-353429/205 10/14/2014 04:00		CCB 680-353429/217 10/14/2014 04:52	
		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.: 680-106200-4

SDG No.: 680-106200-04

Concentration Units: ug/L

Analyte	RL	CCB 680-353429/229 10/14/2014 05:44		CCB 680-353429/239 10/14/2014 06:27					
		Found	C	Found	C	Found	C	Found	C
Aluminum	200	200	U	200	U				
Arsenic	20	20	U	20	U				
Iron	200	200	U	200	U				
Lead	10	10	U	10	U				

Italicized analytes were not requested for this sequence.

3-IN
INSTRUMENT BLANKS
METALS

Lab Name: TestAmerica Savannah Job No.: 680-106200-4

SDG No.: 680-106200-04

Concentration Units: ug/L

Analyte	RL	ICBIS 680-353783/5 10/15/2014 10:03		CCB 680-353783/14 10/15/2014 10:43		CCB 680-353783/38 10/15/2014 12:25		CCB 680-353783/50 10/15/2014 13:16	
		Found	C	Found	C	Found	C	Found	C
Lead	10	10	U	10	U	10	U	10	U
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

Italicized analytes were not requested for this sequence.

3-IN
INSTRUMENT BLANKS
METALS

Lab Name: TestAmerica Savannah Job No.: 680-106200-4

SDG No.: 680-106200-04

Concentration Units: ug/L

Analyte	RL	ICBIS 680-353949/5 10/15/2014 10:03		CCB 680-353949/14 10/15/2014 10:43		CCB 680-353949/119 10/15/2014 18:27		CCB 680-353949/131 10/15/2014 19:18	
		Found	C	Found	C	Found	C	Found	C
Aluminum	200	200	U	200	U	200	U	200	U
Arsenic	20	20	U	8.88	J	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.: 680-106200-4

SDG No.: 680-106200-04

Concentration Units: ug/L

Analyte	RL	CCB 680-353949/143 10/15/2014 20:10		CCB 680-353949/155 10/15/2014 21:01		CCB 680-353949/196 10/16/2014 10:00		CCB 680-353949/208 10/16/2014 10:52	
		Found	C	Found	C	Found	C	Found	C
Aluminum	200	200	U	200	U	200	U	200	U
Arsenic	20	20	U	20	U	6.17	J	6.25	J
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.: 680-106200-4

SDG No.: 680-106200-04

Concentration Units: ug/L

Analyte	RL	CCB 680-353949/220 10/16/2014 11:44							
		Found	C	Found	C	Found	C	Found	C
Aluminum	200	200	U						
Arsenic	20	20	U						
Iron	200	200	U						
Lead	10	10	U						

Italicized analytes were not requested for this sequence.

3-IN
METHOD BLANK
METALS

Lab Name: TestAmerica Savannah Job No.: 680-106200-4

SDG No.: 680-106200-04

Concentration Units: mg/Kg Lab Sample ID: MB 680-353249/1-A

Instrument Code: ICPE Batch No.: 353429

CAS No.	Analyte	Concentration	C	Q	Method
7429-90-5	Aluminum	18	U		6010C
7440-38-2	Arsenic	1.8	U		6010C
7439-89-6	Iron	18	U		6010C
7439-92-1	Lead	0.90	U		6010C

3-IN
METHOD BLANK
METALS

Lab Name: TestAmerica Savannah Job No.: 680-106200-4

SDG No.: 680-106200-04

Concentration Units: mg/Kg Lab Sample ID: MB 680-353262/1-A

Instrument Code: ICPE Batch No.: 353949

CAS No.	Analyte	Concentration	C	Q	Method
7429-90-5	Aluminum	20	U		6010C
7440-38-2	Arsenic	2.0	U		6010C
7439-89-6	Iron	20	U		6010C
7439-92-1	Lead	0.99	U		6010C

4A-IN
INTERFERENCE CHECK STANDARD
METALS

Lab Name: TestAmerica Savannah Job No.: 680-106200-4

SDG No.: 680-106200-04

Lab Sample ID: ICSA 680-353429/7 Instrument ID: ICPE

Lab File ID: E10132014.csv ICS Source: P_ICSA_wk_00038

Concentration Units: ug/L

Analyte	True Solution A	Found Solution A	Percent Recovery
Aluminum	**500000**	**544047**	**109**
Arsenic		**-3.61**	
Iron	**200000**	**189338**	**95**
Lead		**-3.28**	
Antimony		*-1.23*	
Barium		*4.28*	
Beryllium		*-0.166*	
Boron		*6.82*	
Cadmium		*1.34*	
Calcium	*500000*	*499309*	*100*
Chromium		*0.233*	
Cobalt		*-1.08*	
Copper		*2.53*	
Magnesium	*500000*	*513061*	*103*
Manganese		*3.06*	
Molybdenum		*1.18*	
Nickel		*2.09*	
Potassium		*8.81*	
Selenium		*4.78*	
Silver		*0.183*	
Sodium		*-235*	
Strontium		*7.64*	
Thallium		*-10.6*	
Tin		*-4.99*	
Titanium		*0.974*	
Vanadium		*-0.426*	
Zinc		*9.93*	

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.: 680-106200-4

SDG No.: 680-106200-04

Lab Sample ID: ICSAB 680-353429/8 Instrument ID: ICPE

Lab File ID: E10132014.csv ICS Source: P_ICSAB_wk_00053

Concentration Units: ug/L

Analyte	True Solution AB	Found Solution AB	Percent Recovery
Aluminum	**500000**	**555368**	**111**
Arsenic	**100**	**104**	**104**
Iron	**200000**	**192972**	**96**
Lead	**50.0**	**43.8**	**88**
Antimony	*600*	*645*	*107*
Barium	*500*	*521*	*104*
Beryllium	*500*	*494*	*99*
Boron		*4.26*	
Cadmium	*1000*	*953*	*95*
Calcium	*500000*	*510405*	*102*
Chromium	*500*	*495*	*99*
Cobalt	*500*	*482*	*96*
Copper	*500*	*593*	*119*
Magnesium	*500000*	*524127*	*105*
Manganese	*500*	*520*	*104*
Molybdenum	*1000*	*993*	*99*
Nickel	*1000*	*937*	*94*
Potassium		*4.18*	
Selenium	*50.0*	*49.5*	*99*
Silver	*200*	*230*	*115*
Sodium		*-5.30*	
Strontium		*9.06*	
Thallium	*100*	*84.1*	*84*
Tin	*1000*	*994*	*99*
Titanium		*0.320*	
Vanadium	*500*	*499*	*100*
Zinc	*1000*	*938*	*94*

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.: 680-106200-4

SDG No.: 680-106200-04

Lab Sample ID: ICSA 680-353783/8 Instrument ID: ICPE

Lab File ID: E10152014P.csv ICS Source: P_ICSA_wk_00038

Concentration Units: ug/L

Analyte	True Solution A	Found Solution A	Percent Recovery
Lead		**-6.85**	
Aluminum	*500000*	*538716*	*108*
Antimony		*0.752*	
Arsenic		*-3.45*	
Barium		*7.02*	
Beryllium		*-0.130*	
Boron		*8.78*	
Cadmium		*1.82*	
Calcium	*500000*	*497715*	*100*
Chromium		*0.377*	
Cobalt		*-1.54*	
Copper		*2.42*	
Iron	*200000*	*186650*	*93*
Magnesium	*500000*	*509862*	*102*
Manganese		*3.00*	
Molybdenum		*1.53*	
Nickel		*0.735*	
Potassium		*11.4*	
Selenium		*9.85*	
Silver		*0.355*	
Sodium		*-209*	
Strontium		*7.98*	
Thallium		*-14.3*	
Tin		*-3.16*	
Titanium		*1.01*	
Vanadium		*-0.697*	
Zinc		*7.29*	

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.: 680-106200-4

SDG No.: 680-106200-04

Lab Sample ID: ICSA 680-353949/8 Instrument ID: ICPE

Lab File ID: E10152014F.csv ICS Source: P_ICSA_wk_00038

Concentration Units: ug/L

Analyte	True Solution A	Found Solution A	Percent Recovery
Aluminum	**500000**	**538716**	**108**
Arsenic		**0.911**	
Iron	**200000**	**186650**	**93**
Lead		**-6.85**	
Antimony		*0.752*	
Barium		*7.02*	
Beryllium		*-0.130*	
Boron		*8.78*	
Cadmium		*2.37*	
Calcium	*500000*	*497715*	*100*
Chromium		*0.377*	
Cobalt		*-1.54*	
Copper		*2.42*	
Magnesium	*500000*	*509862*	*102*
Manganese		*3.00*	
Molybdenum		*1.53*	
Nickel		*0.735*	
Potassium		*11.4*	
Selenium		*8.96*	
Silver		*0.355*	
Sodium		*-209*	
Strontium		*7.98*	
Thallium		*-14.3*	
Tin		*-3.16*	
Titanium		*1.01*	
Vanadium		*-0.697*	
Zinc		*7.29*	

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.: 680-106200-4

SDG No.: 680-106200-04

Lab Sample ID: ICSAB 680-353783/9 Instrument ID: ICPE

Lab File ID: E10152014P.csv ICS Source: P_ICSAB_wk_00053

Concentration Units: ug/L

Analyte	True Solution AB	Found Solution AB	Percent Recovery
Lead	**50.0**	**40.8**	**82**
Aluminum	*500000*	*551561*	*110*
Antimony	*600*	*641*	*107*
Arsenic	*100*	*106*	*106*
Barium	*500*	*516*	*103*
Beryllium	*500*	*489*	*98*
Boron		*6.63*	
Cadmium	*1000*	*941*	*94*
Calcium	*500000*	*509506*	*102*
Chromium	*500*	*491*	*98*
Cobalt	*500*	*480*	*96*
Copper	*500*	*590*	*118*
Iron	*200000*	*190934*	*95*
Magnesium	*500000*	*520762*	*104*
Manganese	*500*	*517*	*103*
Molybdenum	*1000*	*990*	*99*
Nickel	*1000*	*926*	*93*
Potassium		*7.31*	
Selenium	*50.0*	*58.2*	*116*
Silver	*200*	*227*	*113*
Sodium		*-27.3*	
Strontium		*9.38*	
Thallium	*100*	*83.1*	*83*
Tin	*1000*	*982*	*98*
Titanium		*0.348*	
Vanadium	*500*	*492*	*98*
Zinc	*1000*	*932*	*93*

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.: 680-106200-4

SDG No.: 680-106200-04

Lab Sample ID: ICSAB 680-353949/9 Instrument ID: ICPE

Lab File ID: E10152014F.csv ICS Source: P_ICSAB_wk_00053

Concentration Units: ug/L

Analyte	True Solution AB	Found Solution AB	Percent Recovery
Aluminum	**500000**	**551561**	**110**
Arsenic	**100**	**110**	**110**
Iron	**200000**	**190934**	**95**
Lead	**50.0**	**40.8**	**82**
Antimony	*600*	*641*	*107*
Barium	*500*	*516*	*103*
Beryllium	*500*	*489*	*98*
Boron		*6.63*	
Cadmium	*1000*	*942*	*94*
Calcium	*500000*	*509506*	*102*
Chromium	*500*	*491*	*98*
Cobalt	*500*	*480*	*96*
Copper	*500*	*590*	*118*
Magnesium	*500000*	*520762*	*104*
Manganese	*500*	*517*	*103*
Molybdenum	*1000*	*990*	*99*
Nickel	*1000*	*926*	*93*
Potassium		*7.31*	
Selenium	*50.0*	*58.2*	*116*
Silver	*200*	*227*	*113*
Sodium		*-27.3*	
Strontium		*9.38*	
Thallium	*100*	*83.1*	*83*
Tin	*1000*	*982*	*98*
Titanium		*0.348*	
Vanadium	*500*	*492*	*98*
Zinc	*1000*	*932*	*93*

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: CV0753B-CS (0-4") MS
Lab ID: 680-106200-51 MS
Lab Name: TestAmerica Savannah
Job No.: 680-106200-4
SDG No.: 680-106200-04
Matrix: Solid
Concentration Units: mg/Kg
% Solids: 87.3

Analyte	SSR	C	Sample Result (SR)	C	Spike Added (SA)	%R	Control Limit %R	Q	Method
Aluminum	15400		13000		498	385	75-125	4	6010C
Arsenic	47.3		28		9.96	194	75-125	F1	6010C
Iron	51900		41000		498	2193	75-125	4	6010C
Lead	385		340		49.8	99	75-125	4	6010C

SSR = Spiked Sample Result

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

FORM VA - IN

5A-IN
MATRIX SPIKE SAMPLE RECOVERY
METALS

Client ID: _____ Lab ID: 640-49420-A-9-B MS

Lab Name: TestAmerica Savannah Job No.: 680-106200-4

SDG No.: 680-106200-04

Matrix: Solid Concentration Units: mg/Kg

% Solids: 78.7

Analyte	SSR	C	Sample Result (SR)	C	Spike Added (SA)	%R	Control Limit %R	Q	Method
Aluminum	1550		690		588	145	75-125	F1	6010C
Arsenic	11.6		2.5	U	11.8	98	75-125		6010C
Iron	1100		430		588	115	75-125		6010C
Lead	60.7		0.96	J	58.8	102	75-125		6010C

SSR = Spiked Sample Result

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

FORM VA - IN

5A-IN
MATRIX SPIKE DUPLICATE SAMPLE RECOVERY
METALS

Client ID: CV0753B-CS (0-4") MSD
Lab ID: 680-106200-51 MSD
Lab Name: TestAmerica Savannah
Job No.: 680-106200-4
SDG No.: 680-106200-04
Matrix: Solid
Concentration Units: mg/Kg
% Solids: 87.3

Analyte	(SDR)	C	Spike Added (SA)	%R	Control Limit %R	RPD	RPD Limit	Q	Method
Aluminum	15900		498	502	75-125	4	20	4	6010C
Arsenic	39.9		9.96	120	75-125	17	20		6010C
Iron	47700		498	1362	75-125	8	20	4	6010C
Lead	363		49.8	55	75-125	6	20	4	6010C

SDR = Sample Duplicate Result

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

FORM VD - IN

5A-IN
MATRIX SPIKE DUPLICATE SAMPLE RECOVERY
METALS

Client ID: _____ Lab ID: 640-49420-A-9-C MSD

Lab Name: TestAmerica Savannah Job No.: 680-106200-4

SDG No.: 680-106200-04

Matrix: Solid Concentration Units: mg/Kg

% Solids: 78.7

Analyte	(SDR)	C	Spike Added (SA)	%R	Control Limit %R	RPD	RPD Limit	Q	Method
Aluminum	1520		611	135	75-125	2	20	F1	6010C
Arsenic	11.9		12.2	97	75-125	3	20		6010C
Iron	1070		611	105	75-125	3	20		6010C
Lead	63.2		61.1	102	75-125	4	20		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: CV0753B-CS (0-4") PDS
Lab ID: 680-106200-51 PDS
Lab Name: TestAmerica Savannah
Job No.: 680-106200-4
SDG No.: 680-106200-04
Matrix: Solid
Concentration Units: mg/Kg

Analyte	SSR	C	Sample Result (SR)	C	Spike Added (SA)	%R	Control Limit %R	Q	Method
Aluminum	13500		13000		101	NC	80-120		6010C
Arsenic	38.4		28		10.1	104	80-120		6010C
Iron	41400		41000		1010	NC	80-120		6010C
Lead	341		340		10.1	NC	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

5B-IN
POST DIGESTION SPIKE SAMPLE RECOVERY
METALS

Client ID: _____ Lab ID: 640-49420-A-9-A PDS

Lab Name: TestAmerica Savannah Job No.: 680-106200-4

SDG No.: 680-106200-04

Matrix: Solid Concentration Units: mg/Kg

Analyte	SSR	C	Sample Result (SR)	C	Spike Added (SA)	%R	Control Limit %R	Q	Method
Aluminum	816		690		125	97	80-120		6010C
Arsenic	11.7		2.5	U	12.5	94	80-120		6010C
Iron	1640		430		1250	97	80-120		6010C
Lead	13.3		0.96	J	12.5	99	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 680-353249/2-A

Lab Name: TestAmerica Savannah Job No.: 680-106200-4

Sample Matrix: Solid LCS Source: MS_LCS1_WK_00014

Analyte	Solid(mg/Kg)							
	True	Found	C	%R	Limits		Q	Method
Aluminum	463	440		95	80	120		6010C
Arsenic	9.26	8.82		95	80	120		6010C
Iron	463	457		99	80	120		6010C
Lead	46.3	45.6		98	80	120		6010C

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

FORM VIIA - IN

7A-IN
LAB CONTROL SAMPLE
METALS

Lab ID: LCS 680-353262/2-A

Lab Name: TestAmerica Savannah Job No.: 680-106200-4

Sample Matrix: Solid LCS Source: MS_LCS1_WK_00014

Analyte	Solid(mg/Kg)							
	True	Found	C	%R	Limits		Q	Method
Aluminum	481	451		94	80	120		6010C
Arsenic	9.62	10.0		104	80	120		6010C
Iron	481	462		96	80	120		6010C
Lead	48.1	46.5		97	80	120		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: 680-106200-51

SDG No: 680-106200-04

Lab Name: TestAmerica Savannah Job No: 680-106200-4

Matrix: Solid Concentration Units: mg/Kg

Analyte	Initial Sample Result (I)	C	Serial Dilution Result (S)	C	% Difference	Q	Method
Aluminum	13000		13300		1.3		6010C
Arsenic	28		30.0		NC		6010C
Iron	41000		41700		1.7		6010C
Lead	340		351		4.4		6010C

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

FORM VIII-IN

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

Lab ID: 640-49420-A-9-A SD

SDG No: 680-106200-04

Lab Name: TestAmerica Savannah Job No: 680-106200-4

Matrix: Solid Concentration Units: mg/Kg

Analyte	Initial Sample Result (I)	C	Serial Dilution Result (S)	C	% Difference	Q	Method
Aluminum	690		684		1.6		6010C
Arsenic	2.5	U	12	U	NC		6010C
Iron	430		425		NC		6010C
Lead	0.96	J	6.2	U	NC		6010C

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

FORM VIII-IN

9-IN
DETECTION LIMITS
METALS

Lab Name: TestAmerica Savannah Job Number: 680-106200-4

SDG Number: 680-106200-04

Matrix: Solid Instrument ID: ICPE

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

Prep Method: 3050B

Analyte	Wavelength/ Mass	RL (mg/Kg)	MDL (mg/Kg)
Aluminum		20	10
Arsenic		2	0.59
Iron		20	7
Lead		1	0.53

9-IN
CALIBRATION BLANK DETECTION LIMITS
METALS

Lab Name: TestAmerica Savannah Job Number: 680-106200-4

SDG Number: 680-106200-04

Matrix: Solid Instrument ID: ICPE

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

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

10-IN
ICP-AES INTERELEMENT CORRECTION FACTORS
METALS

Lab Name: TestAmerica Savannah Job Number: 680-106200-4

SDG No.: 680-106200-04

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

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

X-IN

10-IN
ICP-AES INTERELEMENT CORRECTION FACTORS
METALS

Lab Name: TestAmerica Savannah Job Number: 680-106200-4

SDG No.: 680-106200-04

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

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

X-IN

11-IN
LINEAR RANGES
METALS

Lab Name: TestAmerica Savannah Job No: 680-106200-4

SDG No.: 680-106200-04

Instrument ID: ICPE Date: 02/27/2012 11:40

Analyte	Integ. Time (Sec.)	Concentration (ug/L)	Method
Aluminum		720000	6010C
Arsenic		18000	6010C
Iron		900000	6010C
Lead		18000	6010C

12-IN
PREPARATION LOG
METALS

Lab Name: TestAmerica Savannah Job No.: 680-106200-4

SDG No.: 680-106200-04

Prep Method: 3050B

Lab Sample ID	Preparation Date	Prep Batch	Initial Weight (g)	Initial Volume	Final Volume (mL)
MB 680-353249/1-A	10/13/2014 09:05	353249	1.11		100
LCS 680-353249/2-A	10/13/2014 09:05	353249	1.08		100
640-49420-A-9-B MS	10/13/2014 09:05	353249	1.08		100
640-49420-A-9-C MSD	10/13/2014 09:05	353249	1.04		100
680-106200-54	10/13/2014 09:05	353249	1.07		100
680-106200-52	10/13/2014 09:05	353249	1.09		100
680-106200-56	10/13/2014 09:05	353249	1.14		100
680-106200-61	10/13/2014 09:05	353249	1.07		100

FORM XII-IN

12-IN
PREPARATION LOG
METALS

Lab Name: TestAmerica Savannah Job No.: 680-106200-4

SDG No.: 680-106200-04

Prep Method: 3050B

Lab Sample ID	Preparation Date	Prep Batch	Initial Weight (g)	Initial Volume	Final Volume (mL)
MB 680-353262/1-A	10/13/2014 09:39	353262	1.01		100
LCS 680-353262/2-A	10/13/2014 09:39	353262	1.04		100
680-106200-51	10/13/2014 09:39	353262	1.14		100
680-106200-51 MS	10/13/2014 09:39	353262	1.15		100
680-106200-51 MSD	10/13/2014 09:39	353262	1.15		100
680-106200-53	10/13/2014 09:39	353262	1.02		100
680-106200-60	10/13/2014 09:39	353262	1.09		100
680-106200-58	10/13/2014 09:39	353262	1.01		100
680-106200-59	10/13/2014 09:39	353262	1.16		100
680-106200-62	10/13/2014 09:39	353262	1.14		100
680-106200-57	10/13/2014 09:39	353262	1.01		100
680-106200-55	10/13/2014 09:39	353262	1.08		100

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: TestAmerica Savannah Job No.: 680-106200-4

SDG No.: 680-106200-04

Instrument ID: ICPE Method: 6010C

Start Date: 10/13/2014 13:23 End Date: 10/14/2014 06:27

Lab Sample ID	D/F	Type	Time	Analytes																			
				Al	As	Fe	Pb																
ZZZZZZ			13:23																				
ZZZZZZ			13:28																				
ZZZZZZ			13:32																				
ICV 680-353429/4	1		13:36	X	X	X	X																
ICBIS 680-353429/5	1		13:40	X	X	X	X																
CRI 680-353429/6	1		13:45	X	X	X	X																
ICSA 680-353429/7	1		13:52	X	X	X	X																
ICSAB 680-353429/8	1		13:56	X	X	X	X																
ZZZZZZ			14:00																				
ZZZZZZ			14:05																				
ZZZZZZ			14:09																				
CCV 680-353429/12	1		14:13	X	X	X	X																
CCB 680-353429/13	1		14:18	X	X	X	X																
ZZZZZZ			14:22																				
ZZZZZZ			14:26																				
ZZZZZZ			14:30																				
ZZZZZZ			14:35																				
ZZZZZZ			14:39																				
ZZZZZZ			14:43																				
ZZZZZZ			14:47																				
ZZZZZZ			14:52																				
ZZZZZZ			14:56																				
ZZZZZZ			15:00																				
CCV 680-353429/24			15:05																				
CCB 680-353429/25			15:09																				
ZZZZZZ			15:13																				
ZZZZZZ			15:17																				
ZZZZZZ			15:22																				
ZZZZZZ			15:26																				
ZZZZZZ			15:30																				
ZZZZZZ			15:34																				
ZZZZZZ			15:39																				
ZZZZZZ			15:43																				
ZZZZZZ			15:47																				
ZZZZZZ			15:51																				
CCV 680-353429/36			15:56																				
CCB 680-353429/37			16:00																				
ZZZZZZ			16:04																				
ZZZZZZ			16:08																				
ZZZZZZ			16:13																				
ZZZZZZ			16:17																				
ZZZZZZ			16:21																				

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: TestAmerica Savannah Job No.: 680-106200-4

SDG No.: 680-106200-04

Instrument ID: ICPE Method: 6010C

Start Date: 10/13/2014 13:23 End Date: 10/14/2014 06:27

Lab Sample ID	D/F	Type	Time	Analytes																			
				Al	As	Fe	Pb																
ZZZZZZ			16:25																				
ZZZZZZ			16:30																				
ZZZZZZ			16:34																				
ZZZZZZ			16:38																				
ZZZZZZ			16:43																				
CCV 680-353429/48			16:47																				
CCB 680-353429/49			16:51																				
ZZZZZZ			16:55																				
ZZZZZZ			17:00																				
ZZZZZZ			17:04																				
ZZZZZZ			17:08																				
ZZZZZZ			17:12																				
ZZZZZZ			17:17																				
ZZZZZZ			17:21																				
ZZZZZZ			17:25																				
ZZZZZZ			17:30																				
ZZZZZZ			17:34																				
CCV 680-353429/60			17:39																				
CCB 680-353429/61			17:43																				
ZZZZZZ			17:47																				
ZZZZZZ			17:51																				
ZZZZZZ			17:56																				
ZZZZZZ			18:00																				
ZZZZZZ			18:04																				
ZZZZZZ			18:08																				
ZZZZZZ			18:13																				
ZZZZZZ			18:17																				
ZZZZZZ			18:21																				
ZZZZZZ			18:25																				
CCV 680-353429/72			18:30																				
CCB 680-353429/73			18:34																				
ZZZZZZ			18:38																				
ZZZZZZ			18:43																				
ZZZZZZ			18:47																				
ZZZZZZ			18:51																				
ZZZZZZ			18:55																				
ZZZZZZ			19:00																				
ZZZZZZ			19:04																				
ZZZZZZ			19:08																				
ZZZZZZ			19:12																				
ZZZZZZ			19:17																				
CCV 680-353429/84			19:21																				

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: TestAmerica Savannah Job No.: 680-106200-4

SDG No.: 680-106200-04

Instrument ID: ICPE Method: 6010C

Start Date: 10/13/2014 13:23 End Date: 10/14/2014 06:27

Lab Sample ID	D/F	Type	Time	Analytes																			
				Al	As	Fe	Pb																
CCB 680-353429/85			19:25																				
ZZZZZZ			19:30																				
ZZZZZZ			19:34																				
ZZZZZZ			19:38																				
ZZZZZZ			19:42																				
ZZZZZZ			19:47																				
ZZZZZZ			19:51																				
ZZZZZZ			19:55																				
ZZZZZZ			19:59																				
ZZZZZZ			20:04																				
ZZZZZZ			20:08																				
CCV 680-353429/96			20:12																				
CCB 680-353429/97			20:16																				
ZZZZZZ			20:21																				
ZZZZZZ			20:25																				
ZZZZZZ			20:29																				
ZZZZZZ			20:34																				
ZZZZZZ			20:38																				
ZZZZZZ			20:42																				
ZZZZZZ			20:46																				
ZZZZZZ			20:51																				
ZZZZZZ			20:55																				
ZZZZZZ			20:59																				
CCV 680-353429/108			21:03																				
CCB 680-353429/109			21:08																				
ZZZZZZ			21:12																				
ZZZZZZ			21:16																				
ZZZZZZ			21:21																				
ZZZZZZ			21:25																				
ZZZZZZ			21:29																				
ZZZZZZ			21:33																				
ZZZZZZ			21:38																				
ZZZZZZ			21:42																				
ZZZZZZ			21:46																				
ZZZZZZ			21:51																				
CCV 680-353429/120			21:55																				
CCB 680-353429/121			21:59																				
ZZZZZZ			22:03																				
ZZZZZZ			22:08																				
ZZZZZZ			22:12																				
ZZZZZZ			22:16																				
ZZZZZZ			22:20																				

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: TestAmerica Savannah Job No.: 680-106200-4

SDG No.: 680-106200-04

Instrument ID: ICPE Method: 6010C

Start Date: 10/13/2014 13:23 End Date: 10/14/2014 06:27

Lab Sample ID	D/F	Type	Time	Analytes																			
				Al	As	Fe	Pb																
ZZZZZZ			22:25																				
ZZZZZZ			22:29																				
ZZZZZZ			22:33																				
ZZZZZZ			22:38																				
ZZZZZZ			22:42																				
CCV 680-353429/132			22:46																				
CCB 680-353429/133			22:50																				
ZZZZZZ			22:55																				
ZZZZZZ			22:59																				
ZZZZZZ			23:03																				
ZZZZZZ			23:08																				
ZZZZZZ			23:12																				
ZZZZZZ			23:16																				
ZZZZZZ			23:20																				
ZZZZZZ			23:25																				
ZZZZZZ			23:29																				
ZZZZZZ			23:33																				
CCV 680-353429/144			23:38																				
CCB 680-353429/145			23:42																				
ZZZZZZ			23:46																				
ZZZZZZ			23:50																				
ZZZZZZ			23:55																				
ZZZZZZ			23:59																				
ZZZZZZ			00:03																				
ZZZZZZ			00:08																				
ZZZZZZ			00:12																				
ZZZZZZ			00:16																				
ZZZZZZ			00:20																				
ZZZZZZ			00:25																				
CCV 680-353429/156			00:29																				
CCB 680-353429/157			00:33																				
ZZZZZZ			00:38																				
ZZZZZZ			00:42																				
ZZZZZZ			00:46																				
ZZZZZZ			00:50																				
ZZZZZZ			00:55																				
ZZZZZZ			00:59																				
ZZZZZZ			01:03																				
ZZZZZZ			01:08																				
ZZZZZZ			01:12																				
ZZZZZZ			01:16																				
CCV 680-353429/168			01:21																				

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: TestAmerica Savannah Job No.: 680-106200-4

SDG No.: 680-106200-04

Instrument ID: ICPE Method: 6010C

Start Date: 10/13/2014 13:23 End Date: 10/14/2014 06:27

Lab Sample ID	D/F	Type	Time	Analytes																			
				Al	As	Fe	Pb																
CCB 680-353429/169			01:25																				
ZZZZZZ			01:29																				
ZZZZZZ			01:33																				
ZZZZZZ			01:38																				
ZZZZZZ			01:42																				
ZZZZZZ			01:46																				
ZZZZZZ			01:51																				
ZZZZZZ			01:55																				
ZZZZZZ			01:59																				
ZZZZZZ			02:04																				
ZZZZZZ			02:08																				
CCV 680-353429/180			02:12																				
CCB 680-353429/181			02:16																				
ZZZZZZ			02:21																				
ZZZZZZ			02:25																				
ZZZZZZ			02:29																				
ZZZZZZ			02:34																				
ZZZZZZ			02:38																				
ZZZZZZ			02:42																				
ZZZZZZ			02:47																				
ZZZZZZ			02:51																				
ZZZZZZ			02:55																				
ZZZZZZ			02:59																				
CCV 680-353429/192			03:04																				
CCB 680-353429/193			03:08																				
ZZZZZZ			03:12																				
ZZZZZZ			03:17																				
ZZZZZZ			03:21																				
ZZZZZZ			03:25																				
ZZZZZZ			03:30																				
ZZZZZZ			03:34																				
ZZZZZZ			03:38																				
ZZZZZZ			03:43																				
ZZZZZZ			03:47																				
ZZZZZZ			03:51																				
CCV 680-353429/204	1		03:56	X	X	X	X																
CCB 680-353429/205	1		04:00	X	X	X	X																
MB 680-353249/1-A	1	T	04:04	X	X	X	X																
LCS 680-353249/2-A	1	T	04:08	X	X	X	X																
ZZZZZZ			04:13																				
640-49420-A-9-A SD	5	T	04:17	X	X	X	X																
640-49420-A-9-A PDS	1	T	04:21	X	X	X	X																

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: TestAmerica Savannah Job No.: 680-106200-4

SDG No.: 680-106200-04

Instrument ID: ICPE Method: 6010C

Start Date: 10/13/2014 13:23 End Date: 10/14/2014 06:27

Lab Sample ID	D/F	Type	Time	Analytes																			
				Al	As	Fe	Pb																
640-49420-A-9-B MS	1	T	04:26	X	X	X	X																
640-49420-A-9-C MSD	1	T	04:30	X	X	X	X																
ZZZZZZ			04:34																				
ZZZZZZ			04:39																				
ZZZZZZ			04:43																				
CCV 680-353429/216	1		04:47	X	X	X	X																
CCB 680-353429/217	1		04:52	X	X	X	X																
ZZZZZZ			04:56																				
ZZZZZZ			05:00																				
ZZZZZZ			05:05																				
ZZZZZZ			05:09																				
ZZZZZZ			05:13																				
ZZZZZZ			05:18																				
ZZZZZZ			05:22																				
ZZZZZZ			05:26																				
ZZZZZZ			05:31																				
ZZZZZZ			05:35																				
CCV 680-353429/228	1		05:39	X	X	X	X																
CCB 680-353429/229	1		05:44	X	X	X	X																
680-106200-54	1	T	05:48	X	X	X																	
680-106200-52	1	T	05:52	X	X	X	X																
680-106200-56	1	T	05:56	X	X	X	X																
680-106200-61	1	T	06:01	X	X	X	X																
ZZZZZZ			06:05																				
ZZZZZZ			06:09																				
ZZZZZZ			06:14																				
CRI 680-353429/237	1		06:18	X	X	X	X																
CCV 680-353429/238	1		06:22	X	X	X	X																
CCB 680-353429/239	1		06:27	X	X	X	X																

Prep Types

T = Total/NA

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: TestAmerica Savannah Job No.: 680-106200-4

SDG No.: 680-106200-04

Instrument ID: ICPE Method: 6010C

Start Date: 10/15/2014 09:46 End Date: 10/15/2014 15:43

Lab Sample ID	D/F	Type	Time	Analytes																			
				Pb																			
ZZZZZZ			09:46																				
ZZZZZZ			09:50																				
ZZZZZZ			09:54																				
ICV 680-353783/4	1		09:59	X																			
ICBIS 680-353783/5	1		10:03	X																			
ZZZZZZ			10:07																				
CRI 680-353783/7	1		10:13	X																			
ICSA 680-353783/8	1		10:17	X																			
ICSAB 680-353783/9	1		10:21	X																			
ZZZZZZ			10:26																				
ZZZZZZ			10:30																				
ZZZZZZ			10:34																				
CCV 680-353783/13	1		10:38	X																			
CCB 680-353783/14	1		10:43	X																			
ZZZZZZ			10:47																				
ZZZZZZ			10:51																				
ZZZZZZ			10:55																				
ZZZZZZ			11:00																				
ZZZZZZ			11:04																				
ZZZZZZ			11:08																				
ZZZZZZ			11:13																				
ZZZZZZ			11:17																				
ZZZZZZ			11:21																				
ZZZZZZ			11:25																				
CCV 680-353783/25			11:30																				
CCB 680-353783/26			11:34																				
ZZZZZZ			11:38																				
ZZZZZZ			11:42																				
ZZZZZZ			11:47																				
ZZZZZZ			11:51																				
ZZZZZZ			11:55																				
ZZZZZZ			11:59																				
ZZZZZZ			12:04																				
ZZZZZZ			12:08																				
ZZZZZZ			12:12																				
ZZZZZZ			12:17																				
CCV 680-353783/37	1		12:21	X																			
CCB 680-353783/38	1		12:25	X																			
ZZZZZZ			12:29																				
ZZZZZZ			12:34																				
680-106200-54	10	T	12:38	X																			
ZZZZZZ			12:42																				

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: TestAmerica Savannah Job No.: 680-106200-4

SDG No.: 680-106200-04

Instrument ID: ICPE Method: 6010C

Start Date: 10/15/2014 09:46 End Date: 10/15/2014 15:43

Lab Sample ID	D/F	Type	Time	Analytes																			
				Pb																			
ZZZZZZ			12:46																				
ZZZZZZ			12:51																				
ZZZZZZ			12:55																				
ZZZZZZ			12:59																				
ZZZZZZ			13:03																				
ZZZZZZ			13:08																				
CCV 680-353783/49	1		13:12	X																			
CCB 680-353783/50	1		13:16	X																			
ZZZZZZ			13:20																				
ZZZZZZ			13:25																				
ZZZZZZ			13:29																				
ZZZZZZ			13:33																				
ZZZZZZ			13:38																				
ZZZZZZ			13:42																				
ZZZZZZ			13:46																				
ZZZZZZ			13:50																				
ZZZZZZ			13:55																				
ZZZZZZ			13:59																				
CCV 680-353783/61			14:03																				
CCB 680-353783/62			14:07																				
ZZZZZZ			14:12																				
ZZZZZZ			14:16																				
ZZZZZZ			14:20																				
ZZZZZZ			14:24																				
ZZZZZZ			14:29																				
ZZZZZZ			14:33																				
CRI 680-353783/69	1		14:37	X																			
CCV 680-353783/70			14:44																				
CCB 680-353783/71			14:48																				
ZZZZZZ			14:52																				
ZZZZZZ			14:57																				
ZZZZZZ			15:01																				
ZZZZZZ			15:05																				
ZZZZZZ			15:09																				
ZZZZZZ			15:14																				
ZZZZZZ			15:18																				
ZZZZZZ			15:22																				
ZZZZZZ			15:26																				
ZZZZZZ			15:31																				
CCV 680-353783/82			15:35																				
CCB 680-353783/83			15:39																				
ZZZZZZ			15:43																				

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: TestAmerica Savannah Job No.: 680-106200-4

SDG No.: 680-106200-04

Instrument ID: ICPE Method: 6010C

Start Date: 10/15/2014 09:46 End Date: 10/15/2014 15:43

Prep Types
T = Total/NA

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: TestAmerica Savannah Job No.: 680-106200-4

SDG No.: 680-106200-04

Instrument ID: ICPE Method: 6010C

Start Date: 10/15/2014 09:46 End Date: 10/16/2014 12:26

Lab Sample ID	D/F	Type	Time	Analytes																			
				Al	As	Fe	Pb																
ZZZZZZ			09:46																				
ZZZZZZ			09:50																				
ZZZZZZ			09:54																				
ICV 680-353949/4	1		09:59	X	X	X	X																
ICBIS 680-353949/5	1		10:03	X	X	X	X																
ZZZZZZ			10:07																				
CRI 680-353949/7	1		10:13	X	X	X	X																
ICSA 680-353949/8	1		10:17	X	X	X	X																
ICSAB 680-353949/9	1		10:21	X	X	X	X																
ZZZZZZ			10:26																				
ZZZZZZ			10:30																				
ZZZZZZ			10:34																				
CCV 680-353949/13	1		10:38	X	X	X	X																
CCB 680-353949/14	1		10:43	X	X	X	X																
ZZZZZZ			10:47																				
ZZZZZZ			10:51																				
ZZZZZZ			10:55																				
ZZZZZZ			11:00																				
ZZZZZZ			11:04																				
ZZZZZZ			11:08																				
ZZZZZZ			11:13																				
ZZZZZZ			11:17																				
ZZZZZZ			11:21																				
ZZZZZZ			11:25																				
CCV 680-353949/25			11:30																				
CCB 680-353949/26			11:34																				
ZZZZZZ			11:38																				
ZZZZZZ			11:42																				
ZZZZZZ			11:47																				
ZZZZZZ			11:51																				
ZZZZZZ			11:55																				
ZZZZZZ			11:59																				
ZZZZZZ			12:04																				
ZZZZZZ			12:08																				
ZZZZZZ			12:12																				
ZZZZZZ			12:17																				
CCV 680-353949/37			12:21																				
CCB 680-353949/38			12:25																				
ZZZZZZ			12:29																				
ZZZZZZ			12:34																				
ZZZZZZ			12:38																				
ZZZZZZ			12:42																				

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: TestAmerica Savannah Job No.: 680-106200-4

SDG No.: 680-106200-04

Instrument ID: ICPE Method: 6010C

Start Date: 10/15/2014 09:46 End Date: 10/16/2014 12:26

Lab Sample ID	D/F	Type	Time	Analytes																			
				Al	As	Fe	Pb																
ZZZZZZ			12:46																				
ZZZZZZ			12:51																				
ZZZZZZ			12:55																				
ZZZZZZ			12:59																				
ZZZZZZ			13:03																				
ZZZZZZ			13:08																				
CCV 680-353949/49			13:12																				
CCB 680-353949/50			13:16																				
ZZZZZZ			13:20																				
ZZZZZZ			13:25																				
ZZZZZZ			13:29																				
ZZZZZZ			13:33																				
ZZZZZZ			13:38																				
ZZZZZZ			13:42																				
ZZZZZZ			13:46																				
ZZZZZZ			13:50																				
ZZZZZZ			13:55																				
ZZZZZZ			13:59																				
CCV 680-353949/61			14:03																				
CCB 680-353949/62			14:07																				
ZZZZZZ			14:12																				
ZZZZZZ			14:16																				
ZZZZZZ			14:20																				
ZZZZZZ			14:24																				
ZZZZZZ			14:29																				
ZZZZZZ			14:33																				
ZZZZZZ			14:37																				
CCV 680-353949/70			14:44																				
CCB 680-353949/71			14:48																				
ZZZZZZ			14:52																				
ZZZZZZ			14:57																				
ZZZZZZ			15:01																				
ZZZZZZ			15:05																				
ZZZZZZ			15:09																				
ZZZZZZ			15:14																				
ZZZZZZ			15:18																				
ZZZZZZ			15:22																				
ZZZZZZ			15:26																				
ZZZZZZ			15:31																				
CCV 680-353949/82			15:35																				
CCB 680-353949/83			15:39																				
ZZZZZZ			15:43																				

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: TestAmerica Savannah Job No.: 680-106200-4

SDG No.: 680-106200-04

Instrument ID: ICPE Method: 6010C

Start Date: 10/15/2014 09:46 End Date: 10/16/2014 12:26

Lab Sample ID	D/F	Type	Time	Analytes																			
				Al	As	Fe	Pb																
ZZZZZZ			15:55																				
ZZZZZZ			15:59																				
ZZZZZZ			16:04																				
ZZZZZZ			16:08																				
ZZZZZZ			16:17																				
ZZZZZZ			16:21																				
ZZZZZZ			16:25																				
ZZZZZZ			16:30																				
ZZZZZZ			16:34																				
CCV 680-353949/94			16:38																				
CCB 680-353949/95			16:42																				
ZZZZZZ			16:47																				
ZZZZZZ			16:51																				
ZZZZZZ			16:55																				
ZZZZZZ			17:00																				
ZZZZZZ			17:04																				
ZZZZZZ			17:08																				
ZZZZZZ			17:12																				
ZZZZZZ			17:17																				
ZZZZZZ			17:21																				
ZZZZZZ			17:25																				
CCV 680-353949/106			17:29																				
CCB 680-353949/107			17:34																				
ZZZZZZ			17:38																				
ZZZZZZ			17:42																				
ZZZZZZ			17:47																				
ZZZZZZ			17:51																				
ZZZZZZ			17:57																				
ZZZZZZ			18:01																				
ZZZZZZ			18:06																				
ZZZZZZ			18:10																				
ZZZZZZ			18:14																				
ZZZZZZ			18:18																				
CCV 680-353949/118	1		18:23	X	X	X	X																
CCB 680-353949/119	1		18:27	X	X	X	X																
ZZZZZZ			18:31																				
ZZZZZZ			18:36																				
ZZZZZZ			18:40																				
ZZZZZZ			18:44																				
ZZZZZZ			18:48																				
ZZZZZZ			18:53																				
ZZZZZZ			18:57																				

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: TestAmerica Savannah Job No.: 680-106200-4

SDG No.: 680-106200-04

Instrument ID: ICPE Method: 6010C

Start Date: 10/15/2014 09:46 End Date: 10/16/2014 12:26

Lab Sample ID	D/F	Type	Time	Analytes																			
				Al	As	Fe	Pb																
MB 680-353262/1-A	1	T	19:01	X	X	X	X																
LCS 680-353262/2-A	1	T	19:05	X	X	X	X																
680-106200-51	1	T	19:10	X	X	X	X																
CCV 680-353949/130	1		19:14	X	X	X	X																
CCB 680-353949/131	1		19:18	X	X	X	X																
680-106200-51 SD	5	T	19:23	X	X	X	X																
680-106200-51 PDS	1	T	19:27	X	X	X	X																
680-106200-51 MS	1	T	19:31	X	X	X	X																
680-106200-51 MSD	1	T	19:35	X	X	X	X																
680-106200-53	1	T	19:40	X	X	X																	
680-106200-60	1	T	19:44	X	X	X	X																
ZZZZZZ			19:48																				
ZZZZZZ			19:53																				
680-106200-58	1	T	19:57	X	X	X	X																
ZZZZZZ			20:01																				
CCV 680-353949/142	1		20:06	X	X	X	X																
CCB 680-353949/143	1		20:10	X	X	X	X																
680-106200-59	1	T	20:14	X	X	X																	
680-106200-62	1	T	20:18	X	X	X	X																
ZZZZZZ			20:23																				
ZZZZZZ			20:27																				
ZZZZZZ			20:31																				
680-106200-57	1	T	20:36	X	X	X	X																
ZZZZZZ			20:40																				
ZZZZZZ			20:44																				
680-106200-55	1	T	20:48	X	X	X	X																
ZZZZZZ			20:53																				
CCV 680-353949/154	1		20:57	X	X	X	X																
CCB 680-353949/155	1		21:01	X	X	X	X																
ZZZZZZ			21:06																				
ZZZZZZ			21:10																				
ZZZZZZ			21:14																				
ZZZZZZ			21:18																				
ZZZZZZ			21:23																				
ZZZZZZ			21:27																				
ZZZZZZ			21:31																				
ZZZZZZ			21:36																				
ZZZZZZ			21:40																				
ZZZZZZ			21:44																				
CCV 680-353949/166			21:49																				
CCB 680-353949/167			21:53																				
ZZZZZZ			21:57																				

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: TestAmerica Savannah Job No.: 680-106200-4

SDG No.: 680-106200-04

Instrument ID: ICPE Method: 6010C

Start Date: 10/15/2014 09:46 End Date: 10/16/2014 12:26

Lab Sample ID	D/F	Type	Time	Analytes																			
				Al	As	Fe	Pb																
ZZZZZZ			22:01																				
ZZZZZZ			22:06																				
ZZZZZZ			22:10																				
ZZZZZZ			22:14																				
ZZZZZZ			22:19																				
ZZZZZZ			22:23																				
ZZZZZZ			22:27																				
ZZZZZZ			22:32																				
ZZZZZZ			22:36																				
CCV 680-353949/178			22:40																				
CCB 680-353949/179			22:44																				
ZZZZZZ			22:49																				
ZZZZZZ			22:53																				
ZZZZZZ			22:57																				
ZZZZZZ			23:02																				
ZZZZZZ			23:06																				
ZZZZZZ			23:10																				
ZZZZZZ			23:15																				
ZZZZZZ			23:19																				
ZZZZZZ			23:23																				
ZZZZZZ			23:27																				
CCV 680-353949/190			23:32																				
CCB 680-353949/191			23:36																				
ZZZZZZ			23:40																				
CCV 680-353949/193			23:45																				
CCB 680-353949/194			23:49																				
CCV 680-353949/195	1		09:56	X	X	X	X																
CCB 680-353949/196	1		10:00	X	X	X	X																
ZZZZZZ			10:04																				
ZZZZZZ			10:09																				
ZZZZZZ			10:13																				
ZZZZZZ			10:17																				
ZZZZZZ			10:22																				
ZZZZZZ			10:26																				
ZZZZZZ			10:30																				
ZZZZZZ			10:35																				
ZZZZZZ			10:39																				
680-106200-53	10	T	10:43				X																
CCV 680-353949/207	1		10:47	X	X	X	X																
CCB 680-353949/208	1		10:52	X	X	X	X																
ZZZZZZ			10:56																				
680-106200-59	10	T	11:00				X																

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: TestAmerica Savannah Job No.: 680-106200-4

SDG No.: 680-106200-04

Instrument ID: ICPE Method: 6010C

Start Date: 10/15/2014 09:46 End Date: 10/16/2014 12:26

Lab Sample ID	D/F	Type	Time	Analytes																			
				Al	As	Fe	Pb																
ZZZZZZ			11:05																				
ZZZZZZ			11:09																				
ZZZZZZ			11:13																				
ZZZZZZ			11:18																				
ZZZZZZ			11:22																				
ZZZZZZ			11:26																				
ZZZZZZ			11:31																				
ZZZZZZ			11:35																				
CCV 680-353949/219	1		11:39	X	X	X	X																
CCB 680-353949/220	1		11:44	X	X	X	X																
ZZZZZZ			11:48																				
ZZZZZZ			11:52																				
ZZZZZZ			11:59																				
CCV 680-353949/224			12:04																				
CCB 680-353949/225			12:08																				
CRI 680-353949/226	1		12:13	X	X	X	X																
ZZZZZZ			12:17																				
CCV 680-353949/228			12:22																				
CCB 680-353949/229			12:26																				

Prep Types

T = Total/NA

Blank (Blk) **10/13/2014, 1:23:58 PM** **Rack S, Tube 1**

Label	Replicates Concentration		
Ag 328.068	-0.2177	-0.1244	0.3421
Al 308.215	-0.3151	-0.6069	0.9220
As 188.980	1.9948	-2.8548	0.8600
B 249.678	0.1032	0.0949	-0.1981
Ba 389.178	0.4387	0.2744	-0.7131
Be 313.042	-0.0015	0.0005	0.0010
Ca 370.602	-1.904	0.6504	1.253
Cd 226.502	-0.0019	0.0330	-0.0312
Co 228.615	0.2427	-0.1537	-0.0890
Cr 267.716	0.0452	-0.0168	-0.0284
Cu 324.754	-0.0234	-0.0516	0.0750
Fe 271.441	0.3648	0.7343	-1.0991
K 766.491	0.0450	-0.1278	0.0829
Mg 279.078	0.5919	1.0743	-1.6662
Mn 257.610	0.0031	-0.0198	0.0167
Mo 202.032	0.2016	-0.1973	-0.0044
Na 330.237	119.840	-27.6562	-92.1837
Ni 231.604	0.7336	-0.4128	-0.3208
Pb 220.353	1.8718	-3.2194	1.3477
Sb 206.834	0.5426	-1.1694	0.6268
Se 196.026	2.6348	0.3372	-2.9721
Sn 189.925	1.4446	-1.2708	-0.1738
Sr 216.596	0.0404	0.0590	-0.0994
Ti 334.941	-0.0028	0.0019	0.0009
Tl 190.794	-0.1670	-0.2123	0.3792
V 292.401	-0.2833	-0.0343	0.3177
Zn 206.200	-0.0239	-1.2790	1.3029

Label	Sol'n Conc.	Units	SD(Int)	%RSD(Int)	Int. (c/s)
Ag 328.068	0.0000	ppb	23.523	183.1	-12.8458
Al 308.215	0.0000	ppb	5.441	1.1	515.884
As 188.980	0.0000	ppb	1.492	29.4	-5.0770
B 249.678	0.0000	ppb	2.623	7.4	35.2591
Ba 389.178	0.0000	ppb	12.817	21.5	-59.7220
Be 313.042	0.0000	ppb	2.131	0.9	-248.775
Ca 370.602	0.0000	ppb	4.043	29.2	13.84
Cd 226.502	0.0000	ppb	1.202	21.4	5.6217
Co 228.615	0.0000	ppb	2.234	97.1	-2.3011
Cr 267.716	0.0000	ppb	1.990	6.2	31.8486
Cu 324.754	0.0000	ppb	4.798	2.0	238.745
Fe 271.441	0.0000	ppb	1.380	16.4	8.4177
K 766.491	0.0000	ppb	4.986	2.5	196.767
Mg 279.078	0.0000	ppb	3.619	31.6	11.4552
Mn 257.610	0.0000	ppb	3.903	8.3	47.1958
Mo 202.032	0.0000	ppb	1.262	23.1	5.4509
Na 330.237	0.0000	ppb	5.755	26.1	22.0418
Ni 231.604	0.0000	ppb	1.769	27.9	-6.3371
Pb 220.353	0.0000	ppb	4.049	383.3	1.0564
Sb 206.834	0.0000	ppb	1.350	30.3	4.4581
Se 196.026	0.0000	ppb	1.129	51.8	2.1786
Sn 189.925	0.0000	ppb	0.903	26.3	-3.4356
Sr 216.596	0.0000	ppb	0.944	31.9	2.9646
Ti 334.941	0.0000	ppb	0.713	1.5	-48.0059

Label	Sol'n Conc.	Units	SD(Int)	%RSD(Int)	Int. (c/s)
Tl 190.794	0.0000	ppb	0.326	6.2	-5.2614
V 292.401	0.0000	ppb	7.851	169.2	-4.6394
Zn 206.200	0.0000	ppb	1.167	142.1	0.8216

HIGH STD (Std) **10/13/2014, 1:28:13 PM** **Rack S, Tube 2**

Label	Replicates Concentration		
Ag 328.068	997.882	998.104	1004.02
Al 308.215	10018.3	10002.5	9979.15
As 188.980	1004.40	1001.13	994.468
B 249.678	997.534	999.102	1003.36
Ba 389.178	10007.0	10007.6	9985.42
Be 313.042	1001.92	1000.81	997.270
Ca 370.602	10016	9994	9990
Cd 226.502	1002.10	999.043	998.853
Co 228.615	1003.91	996.576	999.515
Cr 267.716	10021.7	9989.81	9988.45
Cu 324.754	10038.3	9927.81	10033.8
Fe 271.441	10012.3	10001.0	9986.75
K 766.491	20034.0	19996.6	19969.4
Mg 279.078	10021.4	10003.7	9974.89
Mn 257.610	10014.7	10027.8	9957.57
Mo 202.032	1002.99	999.165	997.844
Na 330.237	15139.9	14969.1	14891.0
Ni 231.604	5011.61	4998.39	4989.99
Pb 220.353	1001.15	1002.95	995.895
Sb 206.834	2003.85	1993.93	2002.23
Se 196.026	10044.7	9994.15	9961.14
Sn 189.925	10013.5	9958.28	10028.3
Sr 216.596	5012.59	4995.08	4992.32
Ti 334.941	1001.92	999.389	998.688
Tl 190.794	10014.4	9999.58	9986.00
V 292.401	10011.8	9996.61	9991.64
Zn 206.200	5001.02	5008.16	4990.82

Label	Sol'n Conc.	Units	SD(Int)	%RSD(Int)	Int. (c/s)
Ag 328.068	1000.00	ppb	272.876	0.3	78422.8
Al 308.215	10000.0	ppb	132.088	0.2	67545.4
As 188.980	1000.00	ppb	2.977	0.5	583.162
B 249.678	1000.00	ppb	46.112	0.3	15318.7
Ba 389.178	10000.0	ppb	259.929	0.1	205673
Be 313.042	1000.00	ppb	3988.404	0.2	1641792
Ca 370.602	10000	ppb	34.443	0.1	24132
Cd 226.502	1000.00	ppb	68.233	0.2	37421.1
Co 228.615	1000.00	ppb	38.758	0.4	10499.1
Cr 267.716	10000.0	ppb	947.104	0.2	502771
Cu 324.754	10000.0	ppb	4512.715	0.6	721619
Fe 271.441	10000.0	ppb	18.205	0.1	14242.2
K 766.491	20000.0	ppb	1440.746	0.2	888080
Mg 279.078	10000.0	ppb	58.063	0.2	24746.7
Mn 257.610	10000.0	ppb	7884.708	0.4	2112706
Mo 202.032	1000.00	ppb	16.912	0.3	6330.31
Na 330.237	15000.0	ppb	6.739	0.8	816.381
Ni 231.604	5000.00	ppb	30.270	0.2	13881.7

Label	Sol'n Conc.	Units	SD(Int)	%RSD(Int)	Int. (c/s)
Pb 220.353	1000.00	ppb	5.303	0.4	1446.85
Sb 206.834	2000.00	ppb	7.087	0.3	2669.00
Se 196.026	10000.0	ppb	16.856	0.4	4006.67
Sn 189.925	10000.0	ppb	24.378	0.4	6605.72
Sr 216.596	5000.00	ppb	119.922	0.2	54546.8
Ti 334.941	1000.00	ppb	484.257	0.2	284559
Tl 190.794	10000.0	ppb	14.074	0.1	9894.79
V 292.401	10000.0	ppb	272.355	0.1	259991
Zn 206.200	5000.00	ppb	7.880	0.2	4521.34

Ag 328.068 Calibration (ppb) **10/13/2014, 1:28:13 PM** **Correlation Coefficient: 1.000000**

Label	Flags	Int. (c/s)	Std Conc.	Calc Conc.	Error	%Error
Blank		-12.8458	0.0000	0.0000	-	-
HIGH STD		78422.8	1000.00	1000.00	0.0001	0.0

Curve Type: Linear Equation: y = 78.4 x + -12.8

Al 308.215 Calibration (ppb) **10/13/2014, 1:28:13 PM** **Correlation Coefficient: 1.000000**

Label	Flags	Int. (c/s)	Std Conc.	Calc Conc.	Error	%Error
Blank		515.884	0.0000	0.0000	-	-
HIGH STD		67545.4	10000.0	10000.0	0.0010	0.0

Curve Type: Linear Equation: y = 6.7 x + 515.9

As 188.980 Calibration (ppb) **10/13/2014, 1:28:13 PM** **Correlation Coefficient: 1.000000**

Label	Flags	Int. (c/s)	Std Conc.	Calc Conc.	Error	%Error
Blank		-5.0770	0.0000	0.0000	-	-
HIGH STD		583.162	1000.00	1000.000	-0.0001	0.0

Curve Type: Linear Equation: y = 0.6 x + -5.1

B 249.678 Calibration (ppb) **10/13/2014, 1:28:13 PM** **Correlation Coefficient: 1.000000**

Label	Flags	Int. (c/s)	Std Conc.	Calc Conc.	Error	%Error
Blank		35.2591	0.0000	0.0000	-	-
HIGH STD		15318.7	1000.00	1000.00	0.0000	0.0

Curve Type: Linear Equation: y = 15.3 x + 35.3

Ba 389.178 Calibration (ppb) **10/13/2014, 1:28:13 PM** **Correlation Coefficient: 1.000000**

Label	Flags	Int. (c/s)	Std Conc.	Calc Conc.	Error	%Error
Blank		-59.7220	0.0000	0.0000	-	-
HIGH STD		205673	10000.0	10000.0	0.0010	0.0

Curve Type: Linear Equation: y = 20.6 x + -59.7

Be 313.042 Calibration (ppb) 10/13/2014, 1:28:13 PM Correlation Coefficient: 1.000000

Label	Flags	Int. (c/s)	Std Conc.	Calc Conc.	Error	%Error
Blank		-248.775	0.0000	0.0000	-	-
HIGH STD		1641792	1000.00	1000.00	0.0000	0.0

Curve Type: Linear Equation: y = 1642.0 x + -248.8

Ca 370.602 Calibration (ppb) 10/13/2014, 1:28:13 PM Correlation Coefficient: 1.000000

Label	Flags	Int. (c/s)	Std Conc.	Calc Conc.	Error	%Error
Blank		13.84	0.0000	0.0000	-	-
HIGH STD		24132	10000	10000	0.0010	0.0

Curve Type: Linear Equation: y = 2.4 x + 13.8

Cd 226.502 Calibration (ppb) 10/13/2014, 1:28:13 PM Correlation Coefficient: 1.000000

Label	Flags	Int. (c/s)	Std Conc.	Calc Conc.	Error	%Error
Blank		5.6217	0.0000	0.0000	-	-
HIGH STD		37421.1	1000.00	1000.000	-0.0002	0.0

Curve Type: Linear Equation: y = 37.4 x + 5.6

Co 228.615 Calibration (ppb) 10/13/2014, 1:28:13 PM Correlation Coefficient: 1.000000

Label	Flags	Int. (c/s)	Std Conc.	Calc Conc.	Error	%Error
Blank		-2.3011	0.0000	0.0000	-	-
HIGH STD		10499.1	1000.00	1000.00	0.0001	0.0

Curve Type: Linear Equation: y = 10.5 x + -2.3

Cr 267.716 Calibration (ppb) 10/13/2014, 1:28:13 PM Correlation Coefficient: 1.000000

Label	Flags	Int. (c/s)	Std Conc.	Calc Conc.	Error	%Error
Blank		31.8486	0.0000	0.0000	-	-
HIGH STD		502771	10000.0	10000.0	0.0000	0.0

Curve Type: Linear Equation: y = 50.3 x + 31.8

Cu 324.754 Calibration (ppb) 10/13/2014, 1:28:13 PM Correlation Coefficient: 1.000000

Label	Flags	Int. (c/s)	Std Conc.	Calc Conc.	Error	%Error
Blank		238.745	0.0000	0.0000	-	-
HIGH STD		721619	10000.0	10000.00	-0.0010	0.0

Curve Type: Linear Equation: y = 72.1 x + 238.7

Fe 271.441 Calibration (ppb) 10/13/2014, 1:28:13 PM Correlation Coefficient: 1.000000

Label	Flags	Int. (c/s)	Std Conc.	Calc Conc.	Error	%Error
Blank		8.4177	0.0000	0.0000	-	-
HIGH STD		14242.2	10000.0	10000.00	-0.0010	0.0

Curve Type: Linear Equation: y = 1.4 x + 8.4

K 766.491 Calibration (ppb) 10/13/2014, 1:28:13 PM Correlation Coefficient: 1.000000

Label	Flags	Int. (c/s)	Std Conc.	Calc Conc.	Error	%Error
Blank		196.767	0.0000	0.0000	-	-
HIGH STD		888080	20000.0	20000.0	-0.0020	0.0

Curve Type: Linear Equation: y = 44.4 x + 196.8

Mg 279.078 Calibration (ppb) 10/13/2014, 1:28:13 PM Correlation Coefficient: 1.000000

Label	Flags	Int. (c/s)	Std Conc.	Calc Conc.	Error	%Error
Blank		11.4552	0.0000	0.0000	-	-
HIGH STD		24746.7	10000.0	10000.00	-0.0010	0.0

Curve Type: Linear Equation: y = 2.5 x + 11.5

Mn 257.610 Calibration (ppb) 10/13/2014, 1:28:13 PM Correlation Coefficient: 1.000000

Label	Flags	Int. (c/s)	Std Conc.	Calc Conc.	Error	%Error
Blank		47.1958	0.0000	0.0000	-	-
HIGH STD		2112706	10000.0	10000.00	-0.0010	0.0

Curve Type: Linear Equation: y = 211.3 x + 47.2

Mo 202.032 Calibration (ppb) 10/13/2014, 1:28:13 PM Correlation Coefficient: 1.000000

Label	Flags	Int. (c/s)	Std Conc.	Calc Conc.	Error	%Error
Blank		5.4509	0.0000	0.0000	-	-
HIGH STD		6330.31	1000.00	1000.00	0.0001	0.0

Curve Type: Linear Equation: y = 6.3 x + 5.5

Na 330.237 Calibration (ppb) 10/13/2014, 1:28:13 PM Correlation Coefficient: 1.000000

Label	Flags	Int. (c/s)	Std Conc.	Calc Conc.	Error	%Error
Blank		22.0418	0.0000	0.0000	-	-
HIGH STD		816.381	15000.0	15000.0	0.0010	0.0

Curve Type: Linear Equation: y = 0.1 x + 22.0

Ni 231.604 Calibration (ppb) 10/13/2014, 1:28:13 PM Correlation Coefficient: 1.000000

Label	Flags	Int. (c/s)	Std Conc.	Calc Conc.	Error	%Error
Blank		-6.3371	0.0000	0.0000	-	-
HIGH STD		13881.7	5000.00	5000.00	-0.0005	0.0

Curve Type: Linear Equation: y = 2.8 x + -6.3

Pb 220.353 Calibration (ppb) 10/13/2014, 1:28:13 PM Correlation Coefficient: 1.000000

Label	Flags	Int. (c/s)	Std Conc.	Calc Conc.	Error	%Error
Blank		1.0564	0.0000	0.0000	-	-
HIGH STD		1446.85	1000.00	1000.00	0.0000	0.0

Curve Type: Linear Equation: y = 1.4 x + 1.1

Sb 206.834 Calibration (ppb) 10/13/2014, 1:28:13 PM Correlation Coefficient: 1.000000

Label	Flags	Int. (c/s)	Std Conc.	Calc Conc.	Error	%Error
Blank		4.4581	0.0000	0.0000	-	-
HIGH STD		2669.00	2000.00	2000.00	0.0000	0.0

Curve Type: Linear Equation: y = 1.3 x + 4.5

Se 196.026 Calibration (ppb) 10/13/2014, 1:28:13 PM Correlation Coefficient: 1.000000

Label	Flags	Int. (c/s)	Std Conc.	Calc Conc.	Error	%Error
Blank		2.1786	0.0000	0.0000	-	-
HIGH STD		4006.67	10000.0	10000.0	0.0000	0.0

Curve Type: Linear Equation: y = 0.4 x + 2.2

Sn 189.925 Calibration (ppb) 10/13/2014, 1:28:13 PM Correlation Coefficient: 1.000000

Label	Flags	Int. (c/s)	Std Conc.	Calc Conc.	Error	%Error
Blank		-3.4356	0.0000	0.0000	-	-
HIGH STD		6605.72	10000.0	10000.0	0.0000	0.0

Curve Type: Linear Equation: y = 0.7 x + -3.4

Sr 216.596 Calibration (ppb) 10/13/2014, 1:28:13 PM Correlation Coefficient: 1.000000

Label	Flags	Int. (c/s)	Std Conc.	Calc Conc.	Error	%Error
Blank		2.9646	0.0000	0.0000	-	-
HIGH STD		54546.8	5000.00	5000.00	0.0000	0.0

Curve Type: Linear Equation: y = 10.9 x + 3.0

Ti 334.941 Calibration (ppb) 10/13/2014, 1:28:13 PM Correlation Coefficient: 1.000000

Label	Flags	Int. (c/s)	Std Conc.	Calc Conc.	Error	%Error
Blank		-48.0059	0.0000	0.0000	-	-
HIGH STD		284559	1000.00	1000.000	-0.0001	0.0

Curve Type: Linear Equation: y = 284.6 x + -48.0

Tl 190.794 Calibration (ppb) 10/13/2014, 1:28:13 PM Correlation Coefficient: 1.000000

Label	Flags	Int. (c/s)	Std Conc.	Calc Conc.	Error	%Error
Blank		-5.2614	0.0000	0.0000	-	-
HIGH STD		9894.79	10000.0	10000.0	0.0000	0.0

Curve Type: Linear Equation: y = 1.0 x + -5.3

V 292.401 Calibration (ppb) 10/13/2014, 1:28:13 PM Correlation Coefficient: 1.000000

Label	Flags	Int. (c/s)	Std Conc.	Calc Conc.	Error	%Error
Blank		-4.6394	0.0000	0.0000	-	-
HIGH STD		259991	10000.0	10000.0	0.0000	0.0

Curve Type: Linear Equation: y = 26.0 x + -4.6

Zn 206.200 Calibration (ppb) 10/13/2014, 1:28:13 PM Correlation Coefficient: 1.000000

Label	Flags	Int. (c/s)	Std Conc.	Calc Conc.	Error	%Error
Blank		0.8216	0.0000	0.0000	-	-
HIGH STD		4521.34	5000.00	5000.00	0.0000	0.0

Curve Type: Linear Equation: y = 0.9 x + 0.8

Lab Control Sample (LCS) 10/13/2014, 1:32:28 PM Rack S, Tube 2

Weight: 1 Volume: 1 Dilution: 1

Label	Replicates Concentration		
Ag 328.068	1003.67x	1009.71x	1006.18x
Al 308.215	10004.7	10029.0	10013.4
As 188.980	984.093	1000.43	998.922
B 249.678	1009.20	1014.87	1013.71
Ba 389.178	9992.16	10016.7x	10008.7x
Be 313.042	997.119	998.711	998.045
Ca 370.602	9985	10011	9986
Cd 226.502	997.239	998.818	999.073x
Co 228.615	996.558	999.316	996.558
Cr 267.716	9972.97	9991.26	9997.26
Cu 324.754	9920.66	9932.79	10048.1
Fe 271.441	9961.23	9977.22	10007.0
K 766.491	20041.2	20126.6	20050.3
Mg 279.078	9975.75	9998.37	9985.33
Mn 257.610	9943.21	9996.81	9960.24
Mo 202.032	998.474	997.089	999.364
Na 330.237	15685.5	15708.5	15557.7
Ni 231.604	4981.07	4991.42	4981.57
Pb 220.353	991.392	1002.44	993.115
Sb 206.834	1998.65	1985.15	1998.67
Se 196.026	9981.08	10026.4x	9966.87
Sn 189.925	9938.77	9986.45	9964.56
Sr 216.596	4984.52	4989.38	4999.80
Ti 334.941	1001.00	1004.15	1002.51
Tl 190.794	9971.15	10001.9x	9992.42x
V 292.401	9999.48	10017.8	10015.7
Zn 206.200	4981.36	4966.03	4971.05

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Ag 328.068	1006.52xb	ppb	3.0371	0.3	78845.4	100.65182
Al 308.215	10015.7b	ppb	12.3361	0.1	68711.8	100.15720

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
As 188.980	994.481b	ppb	9.0274	0.9	579.698	99.44808
B 249.678	1012.59b	ppb	2.9971	0.3	15517.2	20.25186*
Ba 389.178	10005.9xb	ppb	12.5299	0.1	205836	100.05863
Be 313.042	997.958b	ppb	0.7997	0.1	1638793	99.79582
Ca 370.602	9994b	ppb	14.88	0.1	24678	99.94205
Cd 226.502	998.377xb	ppb	0.9934	0.1	37401.2	99.83770
Co 228.615	997.478b	ppb	1.5923	0.2	10482.3	99.74776
Cr 267.716	9987.16b	ppb	12.6507	0.1	502067	99.87162
Cu 324.754	9967.18b	ppb	70.3352	0.7	719151	99.67181
Fe 271.441	9981.81b	ppb	23.2088	0.2	14418.0	99.81805
K 766.491	20072.7b	ppb	46.8996	0.2	891307	100.36337
Mg 279.078	9986.48b	ppb	11.3500	0.1	24522.3	99.86484
Mn 257.610	9966.75b	ppb	27.3841	0.3	2105786	99.66753
Mo 202.032	998.309b	ppb	1.1463	0.1	6309.04	99.83092
Na 330.237	15650.5b	ppb	81.2610	0.5	736.721	104.33695
Ni 231.604	4984.68b	ppb	5.8371	0.1	13837.7	99.69365
Pb 220.353	995.649b	ppb	5.9437	0.6	1447.18	99.56490
Sb 206.834	1994.16b	ppb	7.8043	0.4	2755.53	99.70785
Se 196.026	9991.45xb	ppb	31.0879	0.3	4005.32	99.91445
Sn 189.925	9963.26b	ppb	23.8639	0.2	6581.45	99.63261
Sr 216.596	4991.23b	ppb	7.8066	0.2	54331.0	99.82462
Ti 334.941	1002.56b	ppb	1.5753	0.2	285305	100.25563
Tl 190.794	9988.51xb	ppb	15.7635	0.2	9901.35	99.88507
V 292.401	10011.0b	ppb	10.0269	0.1	259709	100.10994
Zn 206.200	4972.81b	ppb	7.8154	0.2	4470.50	99.45622

Initial Calib Verif (ICV) **10/13/2014, 1:36:44 PM** **Rack S, Tube 3**

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

Label	Replicates Concentration		
Ag 328.068	1001.40	1002.73x	1002.28x
Al 308.215	968.582	961.022	967.982
As 188.980	985.322	979.661	974.177
B 249.678	999.920	996.746	1003.56
Ba 389.178	1014.89	1011.86	1014.36
Be 313.042	1001.18x	993.904	996.596
Ca 370.602	983.8	980.0	979.8
Cd 226.502	997.386	993.863	997.522
Co 228.615	1026.73	1024.72	1024.83
Cr 267.716	997.702	995.672	998.781
Cu 324.754	1021.62	1018.05	1021.64
Fe 271.441	979.407	971.717	979.819
K 766.491	10065.8	10000.7	10057.6
Mg 279.078	989.659	988.028	989.239
Mn 257.610	1033.19	1029.41	1033.26
Mo 202.032	1015.83x	1011.36x	1017.26x
Na 330.237	9511.51	9646.64	9563.61
Ni 231.604	1008.95	1009.26	1007.49
Pb 220.353	1003.15	999.960	1004.79
Sb 206.834	995.748	996.992	989.355
Se 196.026	957.928	961.361	967.597
Sn 189.925	4968.78	4915.48	4975.84
Sr 216.596	5022.84x	5012.36x	5027.69x
Ti 334.941	971.013	967.126	970.943

Label	Replicates Concentration		
Tl 190.794	984.389	987.509	991.311
V 292.401	1031.00	1027.55	1031.27
Zn 206.200	1006.35	996.297	996.439

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Ag 328.068	1002.14xb	ppb	0.6774	0.1	78439.4	100.21379
Al 308.215	965.862b	ppb	4.2022	0.4	7145.23	96.58618
As 188.980	979.720b	ppb	5.5724	0.6	570.978	97.97199
B 249.678	1000.08b	ppb	3.4117	0.3	15330.9	100.00767
Ba 389.178	1013.71b	ppb	1.6212	0.2	20803.9	101.37053
Be 313.042	997.228xb	ppb	3.6801	0.4	1637152	99.72278
Ca 370.602	981.2b	ppb	2.269	0.2	2762	98.11866
Cd 226.502	996.257b	ppb	2.0742	0.2	37285.3	99.62570
Co 228.615	1025.43b	ppb	1.1289	0.1	10758.4	102.54272
Cr 267.716	997.385b	ppb	1.5783	0.2	50161.3	99.73851
Cu 324.754	1020.44b	ppb	2.0670	0.2	73877.1	102.04382
Fe 271.441	976.981b	ppb	4.5635	0.5	1521.56	97.69812
K 766.491	10041.4b	ppb	35.4917	0.4	445975	100.41367
Mg 279.078	988.975b	ppb	0.8470	0.1	2437.97	98.89754
Mn 257.610	1031.95b	ppb	2.2003	0.2	218075	103.19543
Mo 202.032	1014.82xb	ppb	3.0804	0.3	6422.94	101.48155
Na 330.237	9573.92b	ppb	68.1509	0.7	504.539	95.73921
Ni 231.604	1008.56b	ppb	0.9432	0.1	2792.87	100.85642
Pb 220.353	1002.63b	ppb	2.4562	0.2	1449.49	100.26332
Sb 206.834	994.032b	ppb	4.0979	0.4	1325.17	99.40316
Se 196.026	962.295b	ppb	4.9020	0.5	387.744	96.22954
Sn 189.925	4953.36b	ppb	32.9992	0.7	3270.32	99.06727
Sr 216.596	5020.96xb	ppb	7.8333	0.2	54740.9	100.41925
Ti 334.941	969.694b	ppb	2.2244	0.2	275935	96.96940
Tl 190.794	987.736b	ppb	3.4663	0.4	974.179	98.77362
V 292.401	1029.94b	ppb	2.0769	0.2	26583.4	102.99406
Zn 206.200	999.694b	ppb	5.7626	0.6	902.025	99.96944

Initial Calib Blank (ICB) **10/13/2014, 1:40:59 PM** **Rack S, Tube 1**

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

Label	Replicates Concentration		
Ag 328.068	0.1612	0.2959	0.0043
Al 308.215	-7.0662u	-9.5057u	-8.9043u
As 188.980	8.2571	2.3368	-4.1849u
B 249.678	21.3188	18.9437	17.0519
Ba 389.178	0.4184	0.8467	0.3880
Be 313.042	0.0262	0.0317	0.0192
Ca 370.602	-3.843u	3.918	0.1408
Cd 226.502	0.2099	0.1556	0.2620
Co 228.615	0.3135	0.1104	0.5008
Cr 267.716	0.2040	0.0014	0.2300
Cu 324.754	0.3631	0.4466	0.3913
Fe 271.441	-1.4989u	0.9034	-2.8058u
K 766.491	0.7965	0.3405	0.5947
Mg 279.078	3.9990	0.8637	1.3905
Mn 257.610	0.0966	0.1328	0.0960
Mo 202.032	0.0486	-0.0456u	-0.1104u
Na 330.237	-79.8992u	-71.7770u	-20.5178u

Label	Replicates Concentration		
Ni 231.604	0.9584	0.0954	1.3501
Pb 220.353	0.9609	2.6040	2.2293
Sb 206.834	-2.7288u	-2.0234u	-3.9397u
Se 196.026	0.5150	7.3806	-2.6803u
Sn 189.925	-1.8081u	-0.3886u	-3.0021u
Sr 216.596	0.3422	0.4229	0.2981
Ti 334.941	0.0973	0.1161	0.0501
Tl 190.794	0.9616	1.9169	-2.1955u
V 292.401	0.1654	0.3789	0.2268
Zn 206.200	-0.2082u	0.7159	1.1115

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Ag 328.068	0.1538	ppb	0.1460	94.9	-0.7845	0.15382
Al 308.215	-8.4921	ppb	1.2709	15.0	458.975	-8.49207
As 188.980	2.1364	ppb	6.2234	291.3	-3.8204	2.13636
B 249.678	19.1048	ppb	2.1380	11.2	327.219	19.10479
Ba 389.178	0.5510	ppb	0.2565	46.6	-48.3812	0.55104
Be 313.042	0.0257	ppb	0.0063	24.3	-206.557	0.02570
Ca 370.602	0.0719	ppb	3.881	5395.6	14.06	0.07193
Cd 226.502	0.2092	ppb	0.0532	25.4	13.4461	0.20918
Co 228.615	0.3082	ppb	0.1952	63.3	0.9397	0.30823
Cr 267.716	0.1452	ppb	0.1252	86.2	39.1439	0.14517
Cu 324.754	0.4004	ppb	0.0425	10.6	267.622	0.40036
Fe 271.441	-1.1338	ppb	1.8814	165.9	6.8392	-1.13378
K 766.491	0.5772	ppb	0.2285	39.6	222.393	0.57723
Mg 279.078	2.0844	ppb	1.6789	80.5	16.6121	2.08441
Mn 257.610	0.1085	ppb	0.0211	19.4	70.1339	0.10847
Mo 202.032	-0.0358	ppb	0.0799	223.2	5.2243	-0.03580
Na 330.237	-57.3980	ppb	32.1963	56.1	19.0091	-57.39798
Ni 231.604	0.8013	ppb	0.6419	80.1	-4.1120	0.80134
Pb 220.353	1.9314	ppb	0.8611	44.6	3.8489	1.93140
Sb 206.834	-2.8973	ppb	0.9692	33.5	0.5996	-2.89729
Se 196.026	1.7384	ppb	5.1408	295.7	2.8748	1.73842
Sn 189.925	-1.7329	ppb	1.3084	75.5	-4.5810	-1.73292
Sr 216.596	0.3544	ppb	0.0633	17.9	6.7926	0.35436
Ti 334.941	0.0878	ppb	0.0340	38.7	-23.0020	0.08783
Tl 190.794	0.2276	ppb	2.1522	945.4	-5.0347	0.22764
V 292.401	0.2570	ppb	0.1099	42.8	2.0442	0.25704
Zn 206.200	0.5397	ppb	0.6772	125.5	1.3093	0.53972

CRI (CRI) **10/13/2014, 1:45:14 PM** **Rack S, Tube 4**

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

Label	Replicates Concentration		
Ag 328.068	11.1736	10.7515	11.0340
Al 308.215	197.971	197.978	195.327
As 188.980	20.8219	19.5368	26.1546
B 249.678	109.767	110.023	109.888
Ba 389.178	10.1448	9.5573	10.5227
Be 313.042	4.2447	4.2335	4.2227
Ca 370.602	515.9	514.3	511.6
Cd 226.502	5.3231	5.5295	5.3366
Co 228.615	10.6420	10.6586	10.6330
Cr 267.716	10.7402	10.6731	10.5605

Label	Replicates Concentration		
Cu 324.754	22.0627	22.2363	22.1378
Fe 271.441	47.8431	50.0837	51.4449
K 766.491	1090.52	1091.66	1086.43
Mg 279.078	521.508	525.190	518.407
Mn 257.610	11.0935	11.1732	11.1568
Mo 202.032	10.6815	10.6664	10.0255
Na 330.237	986.025	1050.95	987.304
Ni 231.604	43.1260	42.6406	43.2579
Pb 220.353	12.0157	10.7597	12.9778
Sb 206.834	18.3513	19.2188	16.9712
Se 196.026	18.3714	18.2632	14.4737
Sn 189.925	53.7842	53.3836	50.7194
Sr 216.596	10.3681	10.5094	10.4014
Ti 334.941	10.4940	10.5215	10.4818
Tl 190.794	27.9581	25.1497	25.6603
V 292.401	10.3283	10.2000	10.4460
Zn 206.200	21.2830	22.3589	20.9928

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Ag 328.068	10.9864	ppb	0.2150	2.0	848.613	109.86382
Al 308.215	197.092	ppb	1.5282	0.8	1838.62	98.54607
As 188.980	22.1711	ppb	3.5091	15.8	7.9637	110.85538
B 249.678	109.893	ppb	0.1281	0.1	1714.94	109.89265
Ba 389.178	10.0749	ppb	0.4865	4.8	148.319	100.74947
Be 313.042	4.2336	ppb	0.0110	0.3	6702.11	105.84077
Ca 370.602	513.9	ppb	2.185	0.4	1257	102.77903
Cd 226.502	5.3964	ppb	0.1155	2.1	207.749	107.92747
Co 228.615	10.6445	ppb	0.0130	0.1	109.415	106.44507
Cr 267.716	10.6579	ppb	0.0908	0.9	567.625	106.57932
Cu 324.754	22.1456	ppb	0.0870	0.4	1836.58	110.72805
Fe 271.441	49.7906	ppb	1.8187	3.7	80.5706	99.58111
K 766.491	1089.54	ppb	2.7535	0.3	48565.8	108.95363
Mg 279.078	521.702	ppb	3.3952	0.7	1301.62	104.34031
Mn 257.610	11.1412	ppb	0.0421	0.4	2405.00	111.41154
Mo 202.032	10.4578	ppb	0.3745	3.6	71.5824	104.57806
Na 330.237	1008.09	ppb	37.1234	3.7	74.9098	100.80942
Ni 231.604	43.0082	ppb	0.3251	0.8	113.103	107.52045
Pb 220.353	11.9178	ppb	1.1123	9.3	18.2700	119.17757
Sb 206.834	18.1804	ppb	1.1335	6.2	28.6414	90.90203
Se 196.026	17.0361	ppb	2.2198	13.0	9.0034	85.18050
Sn 189.925	52.6291	ppb	1.6659	3.2	31.3480	105.25813
Sr 216.596	10.4263	ppb	0.0738	0.7	115.738	104.26303
Ti 334.941	10.4991	ppb	0.0203	0.2	2940.94	104.99081
Tl 190.794	26.2560	ppb	1.4960	5.7	20.7435	105.02411
V 292.401	10.3248	ppb	0.1230	1.2	261.846	103.24791
Zn 206.200	21.5449	ppb	0.7197	3.3	20.2707	107.72436

Interf Check A (ICSA) **10/13/2014, 1:52:21 PM** **Rack S, Tube 5**

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

Label	Replicates Concentration		
Ag 328.068	0.1645u	0.4199u	-0.0343u
Al 308.215	543847	543914	544381
As 188.980	-4.8358	-1.5679	-4.4374

Label	Replicates Concentration		
B 249.678	7.2618u	6.7831u	6.4112u
Ba 389.178	4.4021	4.5013	3.9503
Be 313.042	-0.1728u	-0.1676u	-0.1570u
Ca 370.602	498353	499224	500350
Cd 226.502	1.4510	1.1824	1.3911
Co 228.615	-0.3155	-1.0800	-1.8559u
Cr 267.716	0.4455	0.1069	0.1476
Cu 324.754	2.3082	2.6828	2.6065
Fe 271.441	189391	189278	189345
K 766.491	9.1111	8.6102	8.7104
Mg 279.078	514046	512269	512868
Mn 257.610	3.0600	3.0130	3.1032
Mo 202.032	-0.2515u	1.8832	1.9191
Na 330.237	-254.989u	-164.335u	-285.733u
Ni 231.604	2.6731	1.1428	2.4530
Pb 220.353	-5.5422u	-2.5022u	-1.7982u
Sb 206.834	-3.9075	-1.8288	2.0385
Se 196.026	11.5807	9.4150	-6.6478u
Sn 189.925	-6.1894u	-5.1804u	-3.5881u
Sr 216.596	7.3995	8.4471	7.0631
Ti 334.941	0.9575	0.9677	0.9973
Tl 190.794	-8.1790u	-10.5568u	-13.0187u
V 292.401	-0.6980	-0.2627	-0.3158
Zn 206.200	13.9594	9.1155	6.7227u

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Ag 328.068	0.1834	ppb	0.2277	124.2	-35.6817	0.18336
Al 308.215	544047	ppb	290.899	0.1	3647557	-
As 188.980	-3.6137	ppb	1.7829	49.3	-3.2501	-3.61368
B 249.678	6.8187	ppb	0.4265	6.3	-262.475	6.81869
Ba 389.178	4.2846	ppb	0.2937	6.9	783.054	4.28459
Be 313.042	-0.1658	ppb	0.0081	4.9	-341.561	-0.16582
Ca 370.602	499309	ppb	1001	0.2	1202339	-
Cd 226.502	1.3415	ppb	0.1410	10.5	823.036	1.34152
Co 228.615	-1.0838	ppb	0.7702	71.1	-1.8406	-1.08379
Cr 267.716	0.2333	ppb	0.1849	79.2	133.351	0.23334
Cu 324.754	2.5325	ppb	0.1980	7.8	502.108	2.53252
Fe 271.441	189338	ppb	56.4762	0.0	269509	-
K 766.491	8.8106	ppb	0.2650	3.0	587.905	8.81058
Mg 279.078	513061	ppb	904.153	0.2	1268890	-
Mn 257.610	3.0587	ppb	0.0451	1.5	5069.48	3.05873
Mo 202.032	1.1836	ppb	1.2430	105.0	4.6742	1.18364
Na 330.237	-235.019	ppb	63.1149	26.9	-40.0121	-235.01901
Ni 231.604	2.0897	ppb	0.8274	39.6	14.1845	2.08966
Pb 220.353	-3.2809	ppb	1.9898	60.6	-22.2617	-3.28085
Sb 206.834	-1.2326	ppb	3.0175	244.8	8.5527	-1.23262
Se 196.026	4.7826	ppb	9.9581	208.2	5.5926	4.78264
Sn 189.925	-4.9860	ppb	1.3115	26.3	-6.7314	-4.98598
Sr 216.596	7.6366	ppb	0.7218	9.5	461.741	7.63657
Ti 334.941	0.9742	ppb	0.0207	2.1	1160.23	0.97418
Tl 190.794	-10.5848	ppb	2.4199	22.9	-38.8036	-10.58482
V 292.401	-0.4255	ppb	0.2375	55.8	54.4410	-0.42550
Zn 206.200	9.9325	ppb	3.6869	37.1	2.5447	9.93253

Interf Check AB (ICSAB) **10/13/2014, 1:56:38 PM** **Rack S, Tube 6**

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

Label	Replicates Concentration		
Ag 328.068	229.329	231.240	229.304
Al 308.215	555099	555865	555140
As 188.980	108.997	102.383	101.746
B 249.678	4.9002u	3.8137u	4.0739u
Ba 389.178	520.366	520.355	521.272
Be 313.042	492.819	496.147	491.680
Ca 370.602	510694	510053	510468
Cd 226.502	952.739	955.487	950.793
Co 228.615	484.759	483.433	478.213
Cr 267.716	494.298	496.331	495.028
Cu 324.754	590.129	597.151	591.584
Fe 271.441	192718	193360	192839
K 766.491	3.9627	4.3740	4.1943
Mg 279.078	524058	524362	523961
Mn 257.610	519.185	521.303	519.892
Mo 202.032	992.374	993.958	991.570
Na 330.237	133.424u	34.0500u	-183.386u
Ni 231.604	942.117	939.182	930.403
Pb 220.353	37.4769	47.6573	46.2252
Sb 206.834	642.979	648.509	642.645
Se 196.026	38.3595	44.4490	65.8373
Sn 189.925	988.141	1005.39	989.321
Sr 216.596	8.6402	9.6859	8.8562
Ti 334.941	0.3001	0.2935	0.3669
Tl 190.794	85.6321	81.5635	85.1422
V 292.401	497.572	499.977	498.038
Zn 206.200	941.004	934.791	938.167

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Ag 328.068	229.958	ppb	1.1104	0.5	17989.7	114.97878
Al 308.215	555368	ppb	430.875	0.1	3723546	111.07356
As 188.980	104.375	ppb	4.0150	3.8	60.1089	104.37514
B 249.678	4.2626	ppb	0.5673	13.3	-300.618	-
Ba 389.178	520.664	ppb	0.5260	0.1	11428.1	104.13286
Be 313.042	493.549	ppb	2.3209	0.5	810251	98.70970
Ca 370.602	510405	ppb	325.0	0.1	1229079	102.08099
Cd 226.502	953.006	ppb	2.3581	0.2	36444.8	95.30063
Co 228.615	482.135	ppb	3.4606	0.7	5048.15	96.42702
Cr 267.716	495.219	ppb	1.0302	0.2	25007.8	99.04377
Cu 324.754	592.955	ppb	3.7064	0.6	43127.9	118.59099
Fe 271.441	192972	ppb	341.310	0.2	274740	96.48620
K 766.491	4.1770	ppb	0.2062	4.9	382.202	-
Mg 279.078	524127	ppb	209.246	0.0	1296247	104.82541
Mn 257.610	520.127	ppb	1.0778	0.2	114401	104.02535
Mo 202.032	992.634	ppb	1.2150	0.1	6274.80	99.26335
Na 330.237	-5.3040	ppb	162.030	3054.9	-49.3489	-
Ni 231.604	937.234	ppb	6.0953	0.7	2610.86	93.72339
Pb 220.353	43.7865	ppb	5.5110	12.6	44.4946	87.57296
Sb 206.834	644.711	ppb	3.2934	0.5	858.935	107.45187
Se 196.026	49.5486	ppb	14.4312	29.1	23.6511	99.09723
Sn 189.925	994.283	ppb	9.6342	1.0	653.701	99.42828
Sr 216.596	9.0608	ppb	0.5520	6.1	450.550	-

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Ti 334.941	0.3202	ppb	0.0406	12.7	994.034	-
Tl 190.794	84.1126	ppb	2.2211	2.6	53.7300	84.11258
V 292.401	498.529	ppb	1.2755	0.3	12848.4	99.70586
Zn 206.200	937.987	ppb	3.1104	0.3	840.179	93.79872

LRA1 (Samp) **10/13/2014, 2:00:56 PM** **Rack S, Tube 7**

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

Label	Replicates Concentration		
Ag 328.068	-0.0573	-0.0021	0.1209
Al 308.215	37.0311	33.6964	33.7087
As 188.980	18877.4x	18853.4x	18944.1x
B 249.678	4837.58	4871.38	4893.86
Ba 389.178	0.6335	0.2889	-0.1922u
Be 313.042	0.0750	0.0703	0.0800
Ca 370.602	501.2	515.8	486.3
Cd 226.502	-3.2188u	-3.0380u	-3.0335u
Co 228.615	9603.70	9588.45	9658.48
Cr 267.716	-1.5618	-1.6822	-1.4809
Cu 324.754	-3.3479u	-3.4745u	-3.6556u
Fe 271.441	-64.0183	-57.2145	-67.8265
K 766.491	2.4741	3.2572	2.7428
Mg 279.078	1.7040u	0.1106u	-4.8113u
Mn 257.610	26944.4	26819.1	27050.8x
Mo 202.032	-0.1309u	0.3988	-0.0852u
Na 330.237	-820.895u	-659.347u	-645.481u
Ni 231.604	9721.89x	9759.69x	9767.29x
Pb 220.353	19497.0x	19614.0x	19629.5x
Sb 206.834	2.9446	0.2725	5.1480
Se 196.026	7.5062	-6.8168	-8.1036
Sn 189.925	-1.5554u	2.0270	2.6645
Sr 216.596	0.9807u	0.4465u	1.2670u
Ti 334.941	29151.8x	29208.5x	29208.4x
Tl 190.794	3.3111	-0.6535	8.8263
V 292.401	-8.4559	-8.7181	-8.4487
Zn 206.200	5.4336	3.9269	2.7169

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	0.0205b	ppb	0.0912	445.5	118.691
Al 308.215	34.8121b	ppb	1.9218	5.5	686.671
As 188.980	18891.6xb	ppb	46.9674	0.2	11107.7
B 249.678	4867.61b	ppb	28.3309	0.6	74427.6
Ba 389.178	0.2434b	ppb	0.4147	170.4	-54.6108
Be 313.042	0.0751b	ppb	0.0049	6.5	-139.119
Ca 370.602	501.1b	ppb	14.78	2.9	12758
Cd 226.502	-3.0968b	ppb	0.1057	3.4	-107.171
Co 228.615	9616.87b	ppb	36.8258	0.4	101558
Cr 267.716	-1.5750b	ppb	0.1013	6.4	133.747
Cu 324.754	-3.4926b	ppb	0.1547	4.4	-13.2906
Fe 271.441	-63.0197b	ppb	5.3760	8.5	980.368
K 766.491	2.8247b	ppb	0.3980	14.1	322.166
Mg 279.078	-0.9989b	ppb	3.3964	340.0	-497.629
Mn 257.610	26938.1xb	ppb	115.976	0.4	5691150
Mo 202.032	0.0609b	ppb	0.2935	481.9	5.7948

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Na 330.237	-708.574b	ppb	97.5195	13.8	-80.6722
Ni 231.604	9749.62xb	ppb	24.3199	0.2	27052.8
Pb 220.353	19580.2xb	ppb	72.4578	0.4	28298.4
Sb 206.834	2.7884b	ppb	2.4415	87.6	8.2079
Se 196.026	-2.4714b	ppb	8.6648	350.6	6.5902
Sn 189.925	1.0453b	ppb	2.2748	217.6	-2.7453
Sr 216.596	0.8981b	ppb	0.4165	46.4	-228.067
Ti 334.941	29189.5xb	ppb	32.7230	0.1	8307512
Tl 190.794	3.8280b	ppb	4.7610	124.4	37.9955
V 292.401	-8.5409b	ppb	0.1535	1.8	211.959
Zn 206.200	4.0258b	ppb	1.3610	33.8	4.4314

LRA2 (Samp) **10/13/2014, 2:05:14 PM** **Rack S, Tube 8**

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

Label	Replicates Concentration		
Ag 328.068	0.0617u	0.0908u	0.5029u
Al 308.215	852881x	852483x	837972
As 188.980	70.4566	72.2567	64.9654
B 249.678	79.1139u	68.7151u	59.9546u
Ba 389.178	2.0383	2.0276	1.8232
Be 313.042	-0.2376u	-0.2364u	-0.2366u
Ca 370.602	773666	771821	769122
Cd 226.502	8.1022	7.9448	8.3086
Co 228.615	-13.1239u	-12.1458u	-13.9971u
Cr 267.716	-4.9655	-5.0152	-4.4873
Cu 324.754	2.2351	2.9878	2.4246
Fe 271.441	898375	899463	899800
K 766.491	18.1407	18.4610	17.8469
Mg 279.078	767654	765603	766307
Mn 257.610	5.4434	5.2323	5.4482
Mo 202.032	5.1373u	3.5399u	3.2342u
Na 330.237	-85.1885u	-174.379u	-279.160u
Ni 231.604	-16.5707	-16.4565	-15.6833
Pb 220.353	4.3690u	-2.9292u	-9.2570u
Sb 206.834	9.7047	0.8015	4.3052
Se 196.026	3.7309	6.2017	26.5421
Sn 189.925	-12.9091u	-3.3047u	-2.6098u
Sr 216.596	19.1209	19.1997	20.3018
Ti 334.941	4.0134	3.5999	3.3551
Tl 190.794	-52.7059u	-52.3167u	-60.2655u
V 292.401	-5.5663	-5.2553	-4.0051
Zn 206.200	10.1198u	20.8755u	10.7958u

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	0.2184	ppb	0.2467	113.0	-150.222
Al 308.215	847779x	ppb	8495.19	1.0	5684654
As 188.980	69.2262	ppb	3.7981	5.5	38.3083
B 249.678	69.2612	ppb	9.5913	13.8	-815.102
Ba 389.178	1.9631	ppb	0.1212	6.2	1420.35
Be 313.042	-0.2369	ppb	0.0007	0.3	-387.223
Ca 370.602	771536	ppb	2286	0.3	1851674
Cd 226.502	8.1185	ppb	0.1825	2.2	3932.42
Co 228.615	-13.0889	ppb	0.9262	7.1	-83.6891

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Cr 267.716	-4.8227	ppb	0.2915	6.0	197.765
Cu 324.754	2.5492	ppb	0.3915	15.4	805.772
Fe 271.441	899213	ppb	744.956	0.1	1279930
K 766.491	18.1495	ppb	0.3071	1.7	1002.50
Mg 279.078	766521	ppb	1042.06	0.1	1895722
Mn 257.610	5.3746	ppb	0.1233	2.3	9515.39
Mo 202.032	3.9704	ppb	1.0220	25.7	-8.6806
Na 330.237	-179.576	ppb	97.0902	54.1	-222.421
Ni 231.604	-16.2368	ppb	0.4828	3.0	17.8104
Pb 220.353	-2.6058	ppb	6.8188	261.7	-68.6688
Sb 206.834	4.9372	ppb	4.4851	90.8	38.2568
Se 196.026	12.1582	ppb	12.5179	103.0	14.1524
Sn 189.925	-6.2745	ppb	5.7562	91.7	-7.5842
Sr 216.596	19.5408	ppb	0.6603	3.4	1436.79
Ti 334.941	3.6561	ppb	0.3327	9.1	2456.44
Tl 190.794	-55.0961	ppb	4.4811	8.1	-169.407
V 292.401	-4.9422	ppb	0.8264	16.7	192.907
Zn 206.200	13.9304	ppb	6.0241	43.2	-21.0364

LRA3 (Samp) **10/13/2014, 2:09:32 PM** **Rack S, Tube 9**

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

Label	Replicates Concentration		
Ag 328.068	0.0381	0.2041	0.1941
Al 308.215	29.9681	26.3432	26.2353
As 188.980	17.6367	16.3291	11.6353
B 249.678	19.8796	18.3555	16.7934
Ba 389.178	0.6789	0.7038	0.0318
Be 313.042	-0.0117u	-0.0121u	-0.0179u
Ca 370.602	44.94	41.86	40.86
Cd 226.502	0.1736	0.1593	0.1872
Co 228.615	0.5535	0.4563	-0.2055u
Cr 267.716	0.0572	-0.0284u	0.1416
Cu 324.754	0.4649	0.3467	0.5304
Fe 271.441	34.9942	41.2216	28.3513
K 766.491	39668.3x	39625.9x	39669.7x
Mg 279.078	42.9719	38.0352	37.6432
Mn 257.610	0.4108	0.3706	0.3676
Mo 202.032	0.0919	0.0505	0.0947
Na 330.237	104432x	103973x	104122x
Ni 231.604	0.6621	0.2297	0.7690
Pb 220.353	-0.6606u	-0.2787u	0.1665
Sb 206.834	0.9363	0.3792	1.5053
Se 196.026	-1.4720u	6.6456	4.2020
Sn 189.925	-2.1210u	2.4822	-2.8422u
Sr 216.596	-0.0407u	0.4125	-0.0296u
Ti 334.941	0.6140	0.5604	0.5129
Tl 190.794	-0.0697u	0.1599	-0.9846u
V 292.401	-0.3576u	-0.0937u	-0.0779u
Zn 206.200	28618.6x	28480.7x	28596.7x

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	0.1454b	ppb	0.0931	64.0	-1.4454
Al 308.215	27.5156b	ppb	2.1247	7.7	700.365

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
As 188.980	15.2004b	ppb	3.1559	20.8	3.8645
B 249.678	18.3428b	ppb	1.5431	8.4	315.645
Ba 389.178	0.4715b	ppb	0.3810	80.8	-49.9520
Be 313.042	-0.0139b	ppb	0.0034	24.8	-281.159
Ca 370.602	42.55b	ppb	2.124	5.0	116.3
Cd 226.502	0.1734b	ppb	0.0139	8.0	11.7317
Co 228.615	0.2681b	ppb	0.4130	154.1	0.5524
Cr 267.716	0.0568b	ppb	0.0850	149.6	35.9578
Cu 324.754	0.4473b	ppb	0.0931	20.8	271.035
Fe 271.441	34.8557b	ppb	6.4362	18.5	58.0720
K 766.491	39654.6xb	ppb	24.8949	0.1	1760631
Mg 279.078	39.5501b	ppb	2.9698	7.5	109.266
Mn 257.610	0.3830b	ppb	0.0241	6.3	128.046
Mo 202.032	0.0790b	ppb	0.0248	31.4	5.9493
Na 330.237	104175xb	ppb	234.152	0.2	4904.87
Ni 231.604	0.5536b	ppb	0.2855	51.6	-4.7685
Pb 220.353	-0.2576b	ppb	0.4140	160.7	0.6810
Sb 206.834	0.9403b	ppb	0.5630	59.9	5.7119
Se 196.026	3.1252b	ppb	4.1645	133.3	3.4305
Sn 189.925	-0.8270b	ppb	2.8885	349.3	-3.9557
Sr 216.596	0.1141b	ppb	0.2585	226.6	4.2314
Ti 334.941	0.5624b	ppb	0.0506	9.0	104.704
Tl 190.794	-0.2982b	ppb	0.6055	203.1	-5.5603
V 292.401	-0.1764b	ppb	0.1571	89.1	-9.9207
Zn 206.200	28565.3xb	ppb	74.1042	0.3	25826.9

Cont Calib Verif (CCV) **10/13/2014, 2:13:49 PM** **Rack 1, Tube 1**

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

Label	Replicates Concentration		
Ag 328.068	495.445	491.395	490.995
Al 308.215	4807.94	4789.20	4751.07
As 188.980	482.831	474.884	473.798
B 249.678	489.852	489.755	493.060
Ba 389.178	4860.16	4856.57	4852.14
Be 313.042	484.653	481.935	482.221
Ca 370.602	4854	4853	4863
Cd 226.502	491.156	489.043	488.762
Co 228.615	490.433	490.274	489.481
Cr 267.716	4845.45	4830.58	4835.52
Cu 324.754	4974.25	4934.33	5011.33
Fe 271.441	4847.35	4836.15	4833.30
K 766.491	10056.7	10043.4	10052.0
Mg 279.078	4833.94	4808.92	4814.01
Mn 257.610	4946.27	4912.83	4935.55
Mo 202.032	480.336	480.383	480.351
Na 330.237	7454.61	7317.63	7456.68
Ni 231.604	2480.09	2464.87	2469.06
Pb 220.353	489.699	481.365	488.379
Sb 206.834	949.143	939.681	943.503
Se 196.026	4819.81	4824.25	4852.28
Sn 189.925	4827.94	4813.40	4829.47
Sr 216.596	2452.61	2441.14	2440.57
Ti 334.941	483.424	481.367	482.299

Label	Replicates Concentration		
Tl 190.794	4920.81	4889.65	4915.33
V 292.401	4810.40	4807.31	4809.70
Zn 206.200	2444.83	2436.83	2419.63

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Ag 328.068	492.612	ppb	2.4617	0.5	38581.9	98.52235
Al 308.215	4782.74	ppb	28.9780	0.6	33084.2	95.65478
As 188.980	477.171	ppb	4.9315	1.0	275.508	95.43419
B 249.678	490.889	ppb	1.8809	0.4	7540.36	98.17776
Ba 389.178	4856.29	ppb	4.0149	0.1	99870.4	97.12584
Be 313.042	482.936	ppb	1.4937	0.3	792922	96.58728
Ca 370.602	4856	ppb	5.452	0.1	11998	97.12698
Cd 226.502	489.654	ppb	1.3089	0.3	18346.0	97.93075
Co 228.615	490.063	ppb	0.5099	0.1	5148.76	98.01252
Cr 267.716	4837.18	ppb	7.5764	0.2	243188	96.74368
Cu 324.754	4973.30	ppb	38.5099	0.8	358955	99.46603
Fe 271.441	4838.93	ppb	7.4297	0.2	6994.08	96.77869
K 766.491	10050.7	ppb	6.7593	0.1	446388	100.50680
Mg 279.078	4818.96	ppb	13.2249	0.3	11837.0	96.37915
Mn 257.610	4931.55	ppb	17.0729	0.3	1041965	98.63099
Mo 202.032	480.356	ppb	0.0238	0.0	3038.55	96.07129
Na 330.237	7409.64	ppb	79.6909	1.1	358.594	98.79517
Ni 231.604	2471.34	ppb	7.8607	0.3	6857.35	98.85354
Pb 220.353	486.481	ppb	4.4794	0.9	707.642	97.29611
Sb 206.834	944.109	ppb	4.7599	0.5	1308.06	94.41088
Se 196.026	4832.12	ppb	17.6064	0.4	1938.22	96.64230
Sn 189.925	4823.61	ppb	8.8719	0.2	3184.56	96.47214
Sr 216.596	2444.77	ppb	6.7929	0.3	26612.9	97.79099
Ti 334.941	482.364	ppb	1.0302	0.2	137245	96.47272
Tl 190.794	4908.60	ppb	16.6363	0.3	4862.97	98.17199
V 292.401	4809.14	ppb	1.6178	0.0	124756	96.18273
Zn 206.200	2433.76	ppb	12.8736	0.5	2188.46	97.35059

Cont Calib Blank (CCB) **10/13/2014, 2:18:04 PM** **Rack 1, Tube 2**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Replicates Concentration		
Ag 328.068	0.1955	-0.0666u	-0.1940u
Al 308.215	-6.1539u	-5.8290u	-7.3643u
As 188.980	7.6643	-0.4547u	2.2890
B 249.678	12.0822	10.8669	10.0402
Ba 389.178	0.7241	0.4797	0.6289
Be 313.042	-0.0024u	-0.0043u	-0.0049u
Ca 370.602	5.634	0.6006	6.191
Cd 226.502	0.1402	0.2184	0.2157
Co 228.615	-0.3145u	0.4525	0.3594
Cr 267.716	0.3524	0.0595	0.0945
Cu 324.754	0.4172	0.2390	0.3407
Fe 271.441	0.5555	1.1003	-3.2028u
K 766.491	0.6579	-0.0752u	0.4847
Mg 279.078	5.2792	2.9186	1.4435
Mn 257.610	0.2104	0.2129	0.1324
Mo 202.032	0.4630	0.4073	0.2497
Na 330.237	-203.102u	-100.803u	-29.4895u

Label	Replicates Concentration		
Ni 231.604	0.2066	1.2839	-0.0191u
Pb 220.353	0.4857	1.4545	0.1576
Sb 206.834	-0.8621u	-1.7491u	-0.1435u
Se 196.026	1.3299	-4.8818u	2.1187
Sn 189.925	0.4283	-1.8812u	-0.7776u
Sr 216.596	0.2742	-0.2565u	0.0916
Ti 334.941	0.1615	0.1454	0.0963
Tl 190.794	1.4375	2.8652	0.4351
V 292.401	0.4233	0.2496	0.2127
Zn 206.200	1.1575	0.2927	-0.7002u

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Ag 328.068	-0.0217	ppb	0.1986	915.4	-14.5456	-0.02169
Al 308.215	-6.4491	ppb	0.8091	12.5	472.695	-6.44905
As 188.980	3.1662	ppb	4.1300	130.4	-3.2147	3.16619
B 249.678	10.9964	ppb	1.0271	9.3	203.312	10.99642
Ba 389.178	0.6109	ppb	0.1232	20.2	-47.1465	0.61092
Be 313.042	-0.0039	ppb	0.0013	33.0	-255.179	-0.00389
Ca 370.602	4.142	ppb	3.079	74.3	23.89	4.14169
Cd 226.502	0.1914	ppb	0.0444	23.2	12.7852	0.19144
Co 228.615	0.1658	ppb	0.4186	252.5	-0.5633	0.16577
Cr 267.716	0.1688	ppb	0.1599	94.8	40.3308	0.16880
Cu 324.754	0.3323	ppb	0.0894	26.9	262.724	0.33229
Fe 271.441	-0.5157	ppb	2.3430	454.4	7.7016	-0.51567
K 766.491	0.3558	ppb	0.3832	107.7	212.562	0.35579
Mg 279.078	3.2138	ppb	1.9348	60.2	19.4031	3.21379
Mn 257.610	0.1852	ppb	0.0458	24.7	86.3575	0.18523
Mo 202.032	0.3733	ppb	0.1107	29.6	7.8119	0.37332
Na 330.237	-111.131	ppb	87.2659	78.5	16.1599	-111.13135
Ni 231.604	0.4905	ppb	0.6963	142.0	-4.9751	0.49047
Pb 220.353	0.6993	ppb	0.6743	96.4	2.0671	0.69928
Sb 206.834	-0.9182	ppb	0.8043	87.6	3.2318	-0.91822
Se 196.026	-0.4777	ppb	3.8344	802.6	1.9874	-0.47773
Sn 189.925	-0.7435	ppb	1.1551	155.4	-3.9271	-0.74350
Sr 216.596	0.0364	ppb	0.2696	740.5	3.3278	0.03642
Ti 334.941	0.1344	ppb	0.0340	25.3	-9.7437	0.13439
Tl 190.794	1.5793	ppb	1.2212	77.3	-3.6980	1.57928
V 292.401	0.2952	ppb	0.1125	38.1	2.9841	0.29520
Zn 206.200	0.2500	ppb	0.9295	371.8	1.0472	0.24998

mb 680-353208/1-a (Samp) **10/13/2014, 2:22:19 PM** **Rack 1, Tube 3**

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

Label	Replicates Concentration		
Ag 328.068	0.1596	-0.0384u	0.0745
Al 308.215	-5.0002u	-6.1223u	-4.9826u
As 188.980	0.0490	-0.2176u	-2.6292u
B 249.678	6.5973	6.3713	6.1080
Ba 389.178	-0.0794u	0.2607	-0.1965u
Be 313.042	-0.0192u	-0.0174u	-0.0176u
Ca 370.602	2.691	4.579	2.742
Cd 226.502	0.2109	0.2667	0.2166
Co 228.615	0.3397	-0.0738u	0.5285
Cr 267.716	0.4218	0.4571	0.3268

Label	Replicates Concentration		
Cu 324.754	0.1436	0.2207	0.0352
Fe 271.441	-0.8988u	2.4284	0.7109
K 766.491	0.3633	0.3666	0.1104
Mg 279.078	2.3126	3.8144	5.1915
Mn 257.610	0.0611	0.0486	0.0580
Mo 202.032	-0.0741u	-0.1989u	-0.0172u
Na 330.237	40.1833	68.0214	32.9664
Ni 231.604	0.4208	0.8905	1.0123
Pb 220.353	1.4202	2.6056	-0.8513u
Sb 206.834	0.4348	-0.8070u	-0.3556u
Se 196.026	-0.3822u	5.1265	5.3211
Sn 189.925	-2.3402u	-1.7433u	-0.6700u
Sr 216.596	0.1255	-0.1897u	-0.3294u
Ti 334.941	0.1243	0.1113	0.0920
Tl 190.794	0.9347	-2.0064u	0.9603
V 292.401	-0.0002u	0.0024	0.1270
Zn 206.200	3.0084	2.7190	4.9518

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	0.0652	ppb	0.0993	152.4	-7.7248
Al 308.215	-5.3684	ppb	0.6530	12.2	479.899
As 188.980	-0.9326	ppb	1.4753	158.2	-5.6257
B 249.678	6.3589	ppb	0.2449	3.9	132.437
Ba 389.178	-0.0051	ppb	0.2375	4665.1	-59.8197
Be 313.042	-0.0181	ppb	0.0010	5.6	-278.478
Ca 370.602	3.338	ppb	1.076	32.2	21.89
Cd 226.502	0.2314	ppb	0.0307	13.3	14.2952
Co 228.615	0.2648	ppb	0.3081	116.3	0.4861
Cr 267.716	0.4019	ppb	0.0674	16.8	52.0544
Cu 324.754	0.1332	ppb	0.0932	70.0	248.349
Fe 271.441	0.7468	ppb	1.6639	222.8	9.5138
K 766.491	0.2801	ppb	0.1470	52.5	209.201
Mg 279.078	3.7728	ppb	1.4399	38.2	20.7886
Mn 257.610	0.0559	ppb	0.0065	11.6	59.0541
Mo 202.032	-0.0967	ppb	0.0929	96.1	4.8390
Na 330.237	47.0571	ppb	18.5108	39.3	24.4449
Ni 231.604	0.7745	ppb	0.3123	40.3	-4.1861
Pb 220.353	1.0582	ppb	1.7567	166.0	2.5863
Sb 206.834	-0.2426	ppb	0.6286	259.1	4.1404
Se 196.026	3.3551	ppb	3.2381	96.5	3.5222
Sn 189.925	-1.5845	ppb	0.8464	53.4	-4.4828
Sr 216.596	-0.1312	ppb	0.2330	177.6	1.5002
Ti 334.941	0.1092	ppb	0.0163	14.9	-16.9166
Tl 190.794	-0.0371	ppb	1.7055	4593.1	-5.2976
V 292.401	0.0431	ppb	0.0727	168.7	-3.5211
Zn 206.200	3.5597	ppb	1.2142	34.1	4.0388

lcs 680-353208/2-a (Samp) **10/13/2014, 2:26:34 PM** **Rack 1, Tube 4**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Replicates Concentration		
Ag 328.068	48.8324	48.8990	48.9409
Al 308.215	4658.88	4662.20	4657.70
As 188.980	102.599	96.5211	97.1642

Label	Replicates Concentration		
B 249.678	190.951	191.330	192.191
Ba 389.178	96.5927	96.1992	96.1776
Be 313.042	49.3586	49.3523	49.3591
Ca 370.602	4716	4722	4736
Cd 226.502	48.9853	48.7216	49.0983
Co 228.615	49.0721	48.9099	48.9317
Cr 267.716	98.0616	97.4906	97.6427
Cu 324.754	98.5028	99.7027	99.5298
Fe 271.441	5014.14	5019.80	4997.12
K 766.491	4871.39	4881.81	4869.69
Mg 279.078	4668.59	4665.91	4670.09
Mn 257.610	503.814	504.010	503.577
Mo 202.032	96.6124	96.1553	95.8238
Na 330.237	4550.30	4602.93	4383.26
Ni 231.604	98.6713	98.7761	98.3452
Pb 220.353	480.363	478.451	483.011
Sb 206.834	41.3493	45.4179	45.4382
Se 196.026	99.6066	94.4365	95.6375
Sn 189.925	187.411	182.288	189.010
Sr 216.596	95.3861	94.9154	94.7450
Ti 334.941	97.4264	97.3452	97.4606
Tl 190.794	37.7866	35.9249	38.3387
V 292.401	97.0020	97.2004	97.7144
Zn 206.200	102.255	98.0677	100.024

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	48.8908	ppb	0.0548	0.1	3820.70
Al 308.215	4659.59	ppb	2.3332	0.1	31772.2
As 188.980	98.7615	ppb	3.3390	3.4	53.0081
B 249.678	191.491	ppb	0.6356	0.3	2951.84
Ba 389.178	96.3232	ppb	0.2336	0.2	1931.12
Be 313.042	49.3567	ppb	0.0038	0.0	80789.3
Ca 370.602	4725	ppb	10.00	0.2	11406
Cd 226.502	48.9351	ppb	0.1933	0.4	1856.75
Co 228.615	48.9712	ppb	0.0880	0.2	511.832
Cr 267.716	97.7316	ppb	0.2957	0.3	4948.56
Cu 324.754	99.2451	ppb	0.6486	0.7	7402.66
Fe 271.441	5010.35	ppb	11.8070	0.2	7146.41
K 766.491	4874.30	ppb	6.5648	0.1	216587
Mg 279.078	4668.20	ppb	2.1195	0.0	11547.3
Mn 257.610	503.800	ppb	0.2172	0.0	106532
Mo 202.032	96.1971	ppb	0.3960	0.4	613.568
Na 330.237	4512.16	ppb	114.695	2.5	257.254
Ni 231.604	98.5975	ppb	0.2247	0.2	267.805
Pb 220.353	480.608	ppb	2.2897	0.5	695.535
Sb 206.834	44.0685	ppb	2.3549	5.3	62.8786
Se 196.026	96.5602	ppb	2.7057	2.8	40.9863
Sn 189.925	186.236	ppb	3.5114	1.9	119.652
Sr 216.596	95.0155	ppb	0.3321	0.3	1042.97
Ti 334.941	97.4107	ppb	0.0593	0.1	27684.3
Tl 190.794	37.3501	ppb	1.2647	3.4	31.3168
V 292.401	97.3056	ppb	0.3677	0.4	2508.94
Zn 206.200	100.115	ppb	2.0949	2.1	90.8909

680-105983-h-1-a (Samp) **10/13/2014, 2:30:49 PM** **Rack 1, Tube 5**

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

Label	Replicates Concentration		
Ag 328.068	0.1150u	0.1692u	0.2688u
Al 308.215	17468.7	17485.7	17507.0
As 188.980	0.2037	3.5991	4.4544
B 249.678	3614.81	3628.95	3640.76
Ba 389.178	9.3262	9.2766	8.4065
Be 313.042	0.0051u	0.0013u	-0.0020u
Ca 370.602	23513	23580	23523
Cd 226.502	9.6874	9.5157	9.6669
Co 228.615	0.2809	1.0026	0.5852
Cr 267.716	328.262	328.337	328.839
Cu 324.754	5.7494	5.8168	5.7183
Fe 271.441	55.7244	55.7024	58.7864
K 766.491	7822.50	7856.02	7838.69
Mg 279.078	2619.40	2618.69	2621.41
Mn 257.610	75.4316	75.5644	75.4100
Mo 202.032	2.7494	2.0973	1.9661
Na 330.237	671330x	674635x	670120x
Ni 231.604	7.6036	7.4991	8.2864
Pb 220.353	-0.6030u	-1.1073u	-0.5221u
Sb 206.834	-2.7628u	1.5219	-3.2718u
Se 196.026	11.7649	9.0031	24.5963
Sn 189.925	-2.4883u	-1.1413u	-2.1078u
Sr 216.596	1164.90	1161.39	1165.35
Ti 334.941	0.3708	0.3454	0.2890
Tl 190.794	-3.3196u	-5.6530u	-10.3675u
V 292.401	1.3580	1.3847	1.2411
Zn 206.200	76.5875	75.8510	78.8644

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	0.1843b	ppb	0.0780	42.3	-34.9090
Al 308.215	17487.1b	ppb	19.1552	0.1	117732
As 188.980	2.7524b	ppb	2.2483	81.7	-3.2966
B 249.678	3628.17b	ppb	12.9901	0.4	55486.1
Ba 389.178	9.0031b	ppb	0.5173	5.7	128.901
Be 313.042	0.0014b	ppb	0.0035	244.0	-305.695
Ca 370.602	23539b	ppb	35.89	0.2	56786
Cd 226.502	9.6233b	ppb	0.0937	1.0	362.197
Co 228.615	0.6229b	ppb	0.3623	58.2	4.8859
Cr 267.716	328.480b	ppb	0.3135	0.1	16558.7
Cu 324.754	5.7615b	ppb	0.0504	0.9	654.479
Fe 271.441	56.7377b	ppb	1.7742	3.1	89.7876
K 766.491	7839.07b	ppb	16.7664	0.2	348206
Mg 279.078	2619.83b	ppb	1.4094	0.1	6484.19
Mn 257.610	75.4687b	ppb	0.0836	0.1	16007.8
Mo 202.032	2.2709b	ppb	0.4196	18.5	19.8112
Na 330.237	672028xb	ppb	2337.00	0.3	35608.2
Ni 231.604	7.7963b	ppb	0.4276	5.5	15.3284
Pb 220.353	-0.7441b	ppb	0.3171	42.6	0.0114
Sb 206.834	-1.5042b	ppb	2.6330	175.0	5.9305
Se 196.026	15.1214b	ppb	8.3209	55.0	8.2495
Sn 189.925	-1.9125b	ppb	0.6944	36.3	-4.5107
Sr 216.596	1163.88b	ppb	2.1697	0.2	12707.5

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ti 334.941	0.3351b	ppb	0.0418	12.5	-0.2375
Tl 190.794	-6.4467b	ppb	3.5904	55.7	-11.6210
V 292.401	1.3279b	ppb	0.0764	5.7	10.3559
Zn 206.200	77.1010b	ppb	1.5710	2.0	69.6739

680-105983-h-2-a (Samp) **10/13/2014, 2:35:05 PM** **Rack 1, Tube 6**

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

Label	Replicates Concentration		
Ag 328.068	0.1007u	-0.1983u	-0.1738u
Al 308.215	80.3681	78.1740	79.3034
As 188.980	3.3155	-0.4002u	3.7669
B 249.678	95.1148	89.4321	84.6776
Ba 389.178	15.7080	15.3594	16.2031
Be 313.042	-0.0294u	-0.0298u	-0.0188u
Ca 370.602	81723	81953	82217
Cd 226.502	0.2708	0.0297	0.0649
Co 228.615	0.2835	0.3707	0.0155
Cr 267.716	2.0055	2.0857	1.9080
Cu 324.754	0.5665	0.7744	0.6629
Fe 271.441	266.748	263.397	267.222
K 766.491	2820.10	2815.89	2806.98
Mg 279.078	4525.18	4533.20	4533.60
Mn 257.610	24.8348	24.7693	24.9184
Mo 202.032	0.6254	0.4270	0.3681
Na 330.237	18118.1	18312.3	18309.1
Ni 231.604	1.4534	1.3995	0.5919
Pb 220.353	0.0197	0.1459	0.8868
Sb 206.834	-0.6625u	-2.4487u	-4.5570u
Se 196.026	3.9667	-2.6557u	4.8628
Sn 189.925	-0.4341u	0.0506	-2.5473u
Sr 216.596	433.964	432.652	434.713
Ti 334.941	0.8193	0.7918	0.8072
Tl 190.794	-3.0287u	-2.6236u	-0.5300u
V 292.401	2.5914	2.6135	2.3921
Zn 206.200	7.5152	9.2663	10.0643

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.0904	ppb	0.1660	183.6	-33.8809
Al 308.215	79.2818	ppb	1.0972	1.4	1048.03
As 188.980	2.2274	ppb	2.2867	102.7	-3.7677
B 249.678	89.7415	ppb	5.2255	5.8	1406.22
Ba 389.178	15.7568	ppb	0.4240	2.7	270.408
Be 313.042	-0.0260	ppb	0.0063	24.1	-267.430
Ca 370.602	81964	ppb	247.5	0.3	197697
Cd 226.502	0.1218	ppb	0.1303	107.0	11.1890
Co 228.615	0.2232	ppb	0.1851	82.9	0.0724
Cr 267.716	1.9997	ppb	0.0890	4.5	132.928
Cu 324.754	0.6679	ppb	0.1041	15.6	287.017
Fe 271.441	265.789	ppb	2.0848	0.8	386.798
K 766.491	2814.33	ppb	6.6982	0.2	125136
Mg 279.078	4530.66	ppb	4.7505	0.1	11217.6
Mn 257.610	24.8408	ppb	0.0748	0.3	5330.66
Mo 202.032	0.4735	ppb	0.1348	28.5	8.4317

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Na 330.237	18246.5	ppb	111.225	0.6	988.029
Ni 231.604	1.1483	ppb	0.4826	42.0	-3.1282
Pb 220.353	0.3508	ppb	0.4684	133.5	1.5517
Sb 206.834	-2.5560	ppb	1.9495	76.3	1.0760
Se 196.026	2.0579	ppb	4.1066	199.6	3.0098
Sn 189.925	-0.9769	ppb	1.3814	141.4	-4.0762
Sr 216.596	433.776	ppb	1.0432	0.2	4763.90
Ti 334.941	0.8061	ppb	0.0138	1.7	187.799
Tl 190.794	-2.0608	ppb	1.3410	65.1	-7.3185
V 292.401	2.5323	ppb	0.1219	4.8	61.0721
Zn 206.200	8.9486	ppb	1.3039	14.6	8.8968

680-105989-e-1-a (Samp) **10/13/2014, 2:39:21 PM** **Rack 1, Tube 7**

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

Label	Replicates Concentration		
Ag 328.068	0.0925u	-0.0755u	-0.0353u
Al 308.215	5.0028	6.9133	5.0390
As 188.980	3.7393	3.8882	1.3685
B 249.678	41.6137	40.8396	38.9657
Ba 389.178	100.982	101.503	101.406
Be 313.042	-0.0306u	-0.0260u	-0.0272u
Ca 370.602	29200	29306	29245
Cd 226.502	0.0628	-0.0538u	0.1077
Co 228.615	-0.1098u	0.1484	-0.1513u
Cr 267.716	0.9718	1.1481	0.9647
Cu 324.754	265.850	265.563	266.265
Fe 271.441	53.8218	47.0256	56.6483
K 766.491	10313.9	10320.5	10338.8
Mg 279.078	7076.80	7069.37	7057.95
Mn 257.610	21.9097	21.7775	21.8634
Mo 202.032	0.0581	-0.4328u	0.0153
Na 330.237	60295.5	60416.9	60589.1
Ni 231.604	3.2680	2.5906	2.0570
Pb 220.353	1.8669	2.0445	-0.9117u
Sb 206.834	2.4072	-1.9421u	-1.7675u
Se 196.026	3.5188	9.4511	2.4261
Sn 189.925	-2.3805u	-1.4655u	-2.2211u
Sr 216.596	433.164	432.359	432.036
Ti 334.941	0.1593	0.1344	0.1638
Tl 190.794	-2.8220u	-1.6199u	-1.1504u
V 292.401	0.1552	-0.2425u	-0.3180u
Zn 206.200	44.7316	44.8099	47.0094

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.0061	ppb	0.0877	1443.1	-27.0537
Al 308.215	5.6517	ppb	1.0927	19.3	553.847
As 188.980	2.9987	ppb	1.4138	47.1	-3.3133
B 249.678	40.4730	ppb	1.3615	3.4	653.736
Ba 389.178	101.297	ppb	0.2773	0.3	2033.39
Be 313.042	-0.0279	ppb	0.0024	8.6	-292.162
Ca 370.602	29250	ppb	53.33	0.2	70561
Cd 226.502	0.0389	ppb	0.0834	214.3	7.0513
Co 228.615	-0.0376	ppb	0.1624	432.3	-2.6752

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Cr 267.716	1.0282	ppb	0.1039	10.1	84.7898
Cu 324.754	265.893	ppb	0.3529	0.1	19419.7
Fe 271.441	52.4986	ppb	4.9459	9.4	83.1322
K 766.491	10324.4	ppb	12.8895	0.1	458540
Mg 279.078	7068.04	ppb	9.4992	0.1	17494.0
Mn 257.610	21.8502	ppb	0.0671	0.3	4716.24
Mo 202.032	-0.1198	ppb	0.2719	227.0	4.6908
Na 330.237	60433.8	ppb	147.515	0.2	3221.35
Ni 231.604	2.6385	ppb	0.6069	23.0	0.9963
Pb 220.353	0.9999	ppb	1.6579	165.8	2.5036
Sb 206.834	-0.4341	ppb	2.4622	567.2	3.8948
Se 196.026	5.1320	ppb	3.7801	73.7	4.2386
Sn 189.925	-2.0224	ppb	0.4888	24.2	-4.7552
Sr 216.596	432.520	ppb	0.5807	0.1	4731.38
Ti 334.941	0.1525	ppb	0.0158	10.4	2.7750
Tl 190.794	-1.8641	ppb	0.8621	46.2	-7.1035
V 292.401	-0.1351	ppb	0.2542	188.2	-8.5268
Zn 206.200	45.5170	ppb	1.2931	2.8	41.9688

680-105990-f-1-a (Samp) **10/13/2014, 2:43:37 PM** **Rack 1, Tube 8**

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

Label	Replicates Concentration		
Ag 328.068	0.1099u	0.1170u	0.2068
Al 308.215	0.0916	1.0421	-1.1319u
As 188.980	-4.0225u	0.3293	-0.6545u
B 249.678	30.6022	30.4004	29.4654
Ba 389.178	23.5792	23.7722	24.7416
Be 313.042	-0.0215u	-0.0251u	-0.0232u
Ca 370.602	19168	19179	19177
Cd 226.502	0.0290	0.1432	0.0985
Co 228.615	0.2286	-0.0747u	0.0853
Cr 267.716	0.3020	0.4761	0.2557
Cu 324.754	0.1716	0.2596	0.2389
Fe 271.441	2.4683	4.3685	4.2492
K 766.491	2418.79	2420.72	2419.40
Mg 279.078	9464.17	9457.09	9478.92
Mn 257.610	0.2005	0.1609	0.1376
Mo 202.032	0.1189	0.9846	0.8723
Na 330.237	24140.1	24080.1	24155.1
Ni 231.604	2.3300	1.9608	0.7120
Pb 220.353	-0.8264u	1.0169	1.9471
Sb 206.834	-2.5942u	-4.6056u	-1.1041u
Se 196.026	5.1808	2.6436	-0.7260u
Sn 189.925	-1.7527u	-1.7633u	0.9650
Sr 216.596	319.534	316.980	318.803
Ti 334.941	0.0357	0.0860	0.1014
Tl 190.794	-2.0385u	0.8948	0.2763
V 292.401	-0.0764u	-0.2200u	-0.1098u
Zn 206.200	41.2989	42.4344	40.9894

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	0.1446	ppb	0.0540	37.4	-11.7267
Al 308.215	0.0006	ppb	1.0899	173991.7	-515.924

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
As 188.980	-1.4492	ppb	2.2822	157.5	-5.9297
B 249.678	30.1560	ppb	0.6065	2.0	496.122
Ba 389.178	24.0310	ppb	0.6229	2.6	446.837
Be 313.042	-0.0232	ppb	0.0018	7.8	-283.819
Ca 370.602	19175	ppb	6.095	0.0	46261
Cd 226.502	0.0902	ppb	0.0576	63.8	9.0003
Co 228.615	0.0797	ppb	0.1517	190.3	-1.4736
Cr 267.716	0.3446	ppb	0.1162	33.7	49.6262
Cu 324.754	0.2233	ppb	0.0460	20.6	254.883
Fe 271.441	3.6953	ppb	1.0643	28.8	13.6882
K 766.491	2419.63	ppb	0.9846	0.0	107614
Mg 279.078	9466.72	ppb	11.1395	0.1	23427.6
Mn 257.610	0.1664	ppb	0.0318	19.1	152.954
Mo 202.032	0.6586	ppb	0.4707	71.5	9.6166
Na 330.237	24125.1	ppb	39.6837	0.2	1298.69
Ni 231.604	1.6676	ppb	0.8479	50.8	-1.7049
Pb 220.353	0.7125	ppb	1.4116	198.1	2.0857
Sb 206.834	-2.7680	ppb	1.7572	63.5	0.7642
Se 196.026	2.3661	ppb	2.9632	125.2	3.1263
Sn 189.925	-0.8503	ppb	1.5721	184.9	-3.9908
Sr 216.596	318.439	ppb	1.3152	0.4	3483.35
Ti 334.941	0.0743	ppb	0.0343	46.2	-12.4747
Tl 190.794	-0.2891	ppb	1.5462	534.8	-5.5497
V 292.401	-0.1354	ppb	0.0751	55.5	-8.3371
Zn 206.200	41.5742	ppb	0.7608	1.8	38.4081

680-105979-d-1-a (Samp) **10/13/2014, 2:47:54 PM** **Rack 1, Tube 9**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Replicates Concentration		
Ag 328.068	0.0332u	0.1628	0.0119u
Al 308.215	88.6333	88.1557	88.6386
As 188.980	3.8422	1.7407	3.0701
B 249.678	52.4818	52.5621	52.7734
Ba 389.178	17.9255	18.3404	18.1654
Be 313.042	-0.0204u	-0.0306u	-0.0191u
Ca 370.602	34121	34201	34275
Cd 226.502	0.2390	0.1129	0.1952
Co 228.615	0.2837	0.7836	0.3070
Cr 267.716	0.9037	1.0890	1.0624
Cu 324.754	3.7871	3.7135	3.8675
Fe 271.441	889.426	894.479	888.274
K 766.491	48508.5x	48446.6x	48454.5x
Mg 279.078	6951.46	6960.90	6959.95
Mn 257.610	37.0191	37.1162	37.1239
Mo 202.032	1.7449	1.7506	1.9318
Na 330.237	57195.2	56560.6	56961.7
Ni 231.604	5.4859	3.7751	5.0247
Pb 220.353	0.5349	2.8379	2.4568
Sb 206.834	-2.2444u	-3.6482u	-3.4007u
Se 196.026	0.1505	6.4063	-6.3049u
Sn 189.925	-0.9772u	0.5410	2.0407
Sr 216.596	229.486	227.744	226.732
Ti 334.941	0.4943	0.4782	0.5833

Label	Replicates Concentration		
Tl 190.794	-3.0973u	-1.6806u	-1.4691u
V 292.401	0.5941	0.3198	0.1814
Zn 206.200	112.323	115.778	112.404

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	0.0693b	ppb	0.0816	117.8	-14.7595
Al 308.215	88.4759b	ppb	0.2773	0.3	1110.56
As 188.980	2.8843b	ppb	1.0630	36.9	-3.3851
B 249.678	52.6058b	ppb	0.1507	0.3	837.459
Ba 389.178	18.1438b	ppb	0.2083	1.1	322.948
Be 313.042	-0.0233b	ppb	0.0063	27.0	-284.627
Ca 370.602	34199b	ppb	77.34	0.2	82489
Cd 226.502	0.1823b	ppb	0.0640	35.1	15.7809
Co 228.615	0.4581b	ppb	0.2821	61.6	2.5632
Cr 267.716	1.0184b	ppb	0.1002	9.8	84.6657
Cu 324.754	3.7893b	ppb	0.0770	2.0	512.546
Fe 271.441	890.726b	ppb	3.3008	0.4	1276.33
K 766.491	48469.9xb	ppb	33.6996	0.1	2151978
Mg 279.078	6957.44b	ppb	5.1970	0.1	17220.1
Mn 257.610	37.0864b	ppb	0.0584	0.2	7936.80
Mo 202.032	1.8091b	ppb	0.1063	5.9	16.8543
Na 330.237	56905.8b	ppb	320.942	0.6	3032.79
Ni 231.604	4.7619b	ppb	0.8852	18.6	6.9566
Pb 220.353	1.9432b	ppb	1.2344	63.5	3.8154
Sb 206.834	-3.0977b	ppb	0.7493	24.2	0.3400
Se 196.026	0.0840b	ppb	6.3559	7567.2	2.2267
Sn 189.925	0.5348b	ppb	1.5090	282.1	-3.0661
Sr 216.596	227.988b	ppb	1.3928	0.6	2502.70
Ti 334.941	0.5186b	ppb	0.0566	10.9	107.155
Tl 190.794	-2.0824b	ppb	0.8853	42.5	-7.4177
V 292.401	0.3651b	ppb	0.2101	57.5	4.5000
Zn 206.200	113.502b	ppb	1.9720	1.7	103.402

680-105979-d-3-a (Samp) **10/13/2014, 2:52:12 PM** **Rack 1, Tube 10**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Replicates Concentration		
Ag 328.068	-0.0671u	0.2173	0.0644u
Al 308.215	25.8372	28.1686	26.8593
As 188.980	-1.4793u	2.3689	3.2411
B 249.678	18.6707	18.7376	18.1036
Ba 389.178	14.8984	14.7082	14.7416
Be 313.042	-0.0287u	-0.0283u	-0.0288u
Ca 370.602	23806	23776	23734
Cd 226.502	0.1231	-0.0218u	-0.1913u
Co 228.615	0.0505	0.4306	0.0459
Cr 267.716	0.3796	0.4595	0.3619
Cu 324.754	1.0559	1.0721	0.9100
Fe 271.441	27.2682	21.6241	18.7856
K 766.491	1726.20	1736.09	1696.07
Mg 279.078	6620.21	6616.35	6595.24
Mn 257.610	0.7700	0.7731	0.7872
Mo 202.032	2.3148	1.9923	2.2103
Na 330.237	7940.45	7878.47	7701.82

Label	Replicates Concentration		
Ni 231.604	1.3401	-0.5482u	2.2453
Pb 220.353	-0.9624u	0.3712	2.2095
Sb 206.834	0.1730	-1.7463u	-1.1143u
Se 196.026	-9.1598u	7.1193	2.6148
Sn 189.925	-4.2526u	1.2350	0.9382
Sr 216.596	283.625	282.502	280.712
Ti 334.941	0.3830	0.3694	0.4432
Tl 190.794	0.3503	-1.2377u	-3.6486u
V 292.401	-0.1319u	0.0951	0.0230
Zn 206.200	8.4339	13.1739	10.4523

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	0.0716	ppb	0.1423	198.9	-16.3150
Al 308.215	26.9550	ppb	1.1686	4.3	696.731
As 188.980	1.3769	ppb	2.5117	182.4	-4.2675
B 249.678	18.5040	ppb	0.3484	1.9	318.010
Ba 389.178	14.7827	ppb	0.1015	0.7	252.917
Be 313.042	-0.0286	ppb	0.0003	0.9	-289.553
Ca 370.602	23772	ppb	36.43	0.2	57348
Cd 226.502	-0.0300	ppb	0.1574	524.7	4.6373
Co 228.615	0.1757	ppb	0.2207	125.7	-0.4978
Cr 267.716	0.4003	ppb	0.0520	13.0	52.1367
Cu 324.754	1.0127	ppb	0.0893	8.8	311.891
Fe 271.441	22.5593	ppb	4.3179	19.1	40.5407
K 766.491	1719.45	ppb	20.8445	1.2	76530.5
Mg 279.078	6610.60	ppb	13.4411	0.2	16362.9
Mn 257.610	0.7768	ppb	0.0092	1.2	260.841
Mo 202.032	2.1724	ppb	0.1646	7.6	19.1902
Na 330.237	7840.24	ppb	123.823	1.6	436.994
Ni 231.604	1.0124	ppb	1.4253	140.8	-3.5232
Pb 220.353	0.5394	ppb	1.5926	295.2	1.8320
Sb 206.834	-0.8959	ppb	0.9781	109.2	3.2343
Se 196.026	0.1914	ppb	8.4058	4391.1	2.2557
Sn 189.925	-0.6931	ppb	3.0861	445.2	-3.8915
Sr 216.596	282.280	ppb	1.4691	0.5	3090.53
Ti 334.941	0.3985	ppb	0.0393	9.9	76.1708
Tl 190.794	-1.5120	ppb	2.0135	133.2	-6.7671
V 292.401	-0.0046	ppb	0.1160	2548.5	-5.0839
Zn 206.200	10.6867	ppb	2.3787	22.3	10.4816

680-104533-a-5-c (Samp) **10/13/2014, 2:56:29 PM** **Rack 1, Tube 11**

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

Label	Replicates Concentration		
Ag 328.068	0.0157u	-0.1664u	0.0047u
Al 308.215	105.883	106.428	104.927
As 188.980	2.9748	0.3323	8.2603
B 249.678	140.393	140.309	141.796
Ba 389.178	30.7083	30.9959	30.2074
Be 313.042	-0.0275u	-0.0360u	-0.0268u
Ca 370.602	65078	64907	64828
Cd 226.502	0.2338	0.0439	0.3089
Co 228.615	-0.0658u	-0.0726u	-0.2560u
Cr 267.716	0.8445	0.6275	0.5452

Label	Replicates Concentration		
Cu 324.754	8.3286	8.2158	8.3427
Fe 271.441	896.688	899.025	898.032
K 766.491	22027.1	22005.3	21972.7
Mg 279.078	21017.2	21029.5	21025.4
Mn 257.610	112.976	112.986	112.754
Mo 202.032	2.8797	3.0157	3.2635
Na 330.237	212211x	213370x	212353x
Ni 231.604	3.5938	5.0341	3.8119
Pb 220.353	2.0383	-0.5356u	2.2285
Sb 206.834	-1.0982u	-0.7717u	-1.9430u
Se 196.026	-2.3725u	3.0065	1.9044
Sn 189.925	-3.4619u	-0.9882u	3.7860
Sr 216.596	428.986	428.644	428.424
Ti 334.941	0.6816	0.6224	0.5710
Tl 190.794	-0.0331u	-0.2729u	-0.8614u
V 292.401	0.4937	0.4171	0.3939
Zn 206.200	274.188	276.417	279.922

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.0487b	ppb	0.1021	209.7	-30.2985
Al 308.215	105.746b	ppb	0.7599	0.7	1226.44
As 188.980	3.8558b	ppb	4.0368	104.7	-2.8139
B 249.678	140.833b	ppb	0.8351	0.6	2185.81
Ba 389.178	30.6372b	ppb	0.3990	1.3	598.049
Be 313.042	-0.0301b	ppb	0.0051	17.0	-301.040
Ca 370.602	64938b	ppb	128.1	0.2	156627
Cd 226.502	0.1955b	ppb	0.1366	69.8	15.6143
Co 228.615	-0.1315b	ppb	0.1079	82.1	-3.6733
Cr 267.716	0.6724b	ppb	0.1547	23.0	70.4995
Cu 324.754	8.2957b	ppb	0.0696	0.8	837.674
Fe 271.441	897.915b	ppb	1.1729	0.1	1286.50
K 766.491	22001.7b	ppb	27.4076	0.1	976945
Mg 279.078	21024.0b	ppb	6.2876	0.0	52012.6
Mn 257.610	112.905b	ppb	0.1309	0.1	24059.1
Mo 202.032	3.0530b	ppb	0.1946	6.4	24.7209
Na 330.237	212645xb	ppb	632.136	0.3	11276.5
Ni 231.604	4.1466b	ppb	0.7763	18.7	5.2496
Pb 220.353	1.2437b	ppb	1.5439	124.1	2.8161
Sb 206.834	-1.2710b	ppb	0.6045	47.6	2.7499
Se 196.026	0.8462b	ppb	2.8414	335.8	2.5472
Sn 189.925	-0.2214b	ppb	3.6843	1664.3	-3.5222
Sr 216.596	428.685b	ppb	0.2833	0.1	4702.79
Ti 334.941	0.6250b	ppb	0.0554	8.9	149.369
Tl 190.794	-0.3891b	ppb	0.4262	109.5	-5.7122
V 292.401	0.4349b	ppb	0.0522	12.0	5.1377
Zn 206.200	276.842b	ppb	2.8902	1.0	251.080

680-106028-c-1-c (Samp) **10/13/2014, 3:00:46 PM** **Rack 1, Tube 12**

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

Label	Replicates Concentration		
Ag 328.068	1.2980	1.4952	1.4520
Al 308.215	23.4623	21.9855	23.4961
As 188.980	193.754	195.563	193.232

Label	Replicates Concentration		
B 249.678	641.308	643.289	646.452
Ba 389.178	0.9614	1.6621	1.1264
Be 313.042	0.3054u	0.3117u	0.3071u
Ca 370.602	22759	22662	22782
Cd 226.502	0.9173	0.8926	0.9291
Co 228.615	0.1442u	0.6780	0.4874
Cr 267.716	5.6731	5.9028	5.5645
Cu 324.754	91.5517	90.6698	91.5622
Fe 271.441	8.3630	1.4677	6.6574
K 766.491	63212.8x	63224.3x	63589.9x
Mg 279.078	21107.7	21049.7	21100.6
Mn 257.610	-0.2437	-0.1899	-0.2544
Mo 202.032	180.175	178.088	179.016
Na 330.237	6003290x	6014442x	5998324x
Ni 231.604	19.6726	19.6091	18.3065
Pb 220.353	0.5680	0.7705	-3.1274u
Sb 206.834	372.572	372.959	370.860
Se 196.026	88.4443	92.1610	90.9340
Sn 189.925	-6.7806u	-8.5974u	-6.1337u
Sr 216.596	122.238	120.894	122.142
Ti 334.941	1.6021	1.6059	1.6007
Tl 190.794	-3.8538u	-6.0562u	-8.9609u
V 292.401	3.2094	3.4816	3.3422
Zn 206.200	52.7802	54.0468	57.0634

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	1.4151b	ppb	0.1036	7.3	93.9026
Al 308.215	22.9813b	ppb	0.8625	3.8	680.377
As 188.980	194.183b	ppb	1.2233	0.6	109.104
B 249.678	643.683b	ppb	2.5943	0.4	9878.10
Ba 389.178	1.2499b	ppb	0.3663	29.3	-6.1372
Be 313.042	0.3081b	ppb	0.0033	1.1	-367.190
Ca 370.602	22734b	ppb	63.76	0.3	54846
Cd 226.502	0.9130b	ppb	0.0186	2.0	6.5340
Co 228.615	0.4365b	ppb	0.2705	62.0	-2.1870
Cr 267.716	5.7134b	ppb	0.1727	3.0	430.687
Cu 324.754	91.2612b	ppb	0.5122	0.6	6829.28
Fe 271.441	5.4961b	ppb	3.5914	65.3	16.4718
K 766.491	63342.3xb	ppb	214.449	0.3	2812227
Mg 279.078	21086.0b	ppb	31.6216	0.1	52168.1
Mn 257.610	-0.2293b	ppb	0.0346	15.1	126.101
Mo 202.032	179.093b	ppb	1.0453	0.6	1138.19
Na 330.237	6005352xb	ppb	8254.54	0.1	318040
Ni 231.604	19.1961b	ppb	0.7711	4.0	46.9825
Pb 220.353	-0.5963b	ppb	2.1943	368.0	-0.0271
Sb 206.834	372.130b	ppb	1.1167	0.3	497.350
Se 196.026	90.5131b	ppb	1.8938	2.1	38.4247
Sn 189.925	-7.1706b	ppb	1.2773	17.8	-6.4846
Sr 216.596	121.758b	ppb	0.7496	0.6	1336.55
Ti 334.941	1.6029b	ppb	0.0027	0.2	-29.5375
Tl 190.794	-6.2903b	ppb	2.5616	40.7	-12.0465
V 292.401	3.3444b	ppb	0.1361	4.1	8.6499
Zn 206.200	54.6301b	ppb	2.2003	4.0	50.1917

Cont Calib Verif (CCV) **10/13/2014, 3:05:02 PM** **Rack 1, Tube 13**

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

Label	Replicates Concentration		
Ag 328.068	491.468	491.556	494.232
Al 308.215	4747.33	4755.46	4749.01
As 188.980	472.054	478.974	476.231
B 249.678	488.309	491.304	491.514
Ba 389.178	4814.79	4831.55	4826.57
Be 313.042	480.875	481.757	483.062
Ca 370.602	4780	4797	4796
Cd 226.502	484.756	484.187	485.058
Co 228.615	486.473	486.762	486.789
Cr 267.716	4779.31	4795.22	4792.13
Cu 324.754	5014.21	5002.89	5056.54
Fe 271.441	4788.81	4792.67	4804.78
K 766.491	10161.1	10160.8	10131.8
Mg 279.078	4792.83	4802.12	4792.28
Mn 257.610	4897.16	4884.36	4899.56
Mo 202.032	473.037	473.552	476.925
Na 330.237	7684.15	7798.02	7639.14
Ni 231.604	2449.71	2444.96	2442.53
Pb 220.353	480.720	481.886	481.786
Sb 206.834	937.930	940.708	946.359
Se 196.026	4862.57	4860.85	4861.64
Sn 189.925	4813.40	4754.14	4775.37
Sr 216.596	2395.31	2402.15	2400.47
Ti 334.941	480.136	481.374	480.861
Tl 190.794	4866.48	4864.84	4881.50
V 292.401	4787.14	4802.56	4799.14
Zn 206.200	2377.51	2380.87	2382.74

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Ag 328.068	492.418	ppb	1.5711	0.3	38568.0	98.48370
Al 308.215	4750.60	ppb	4.2906	0.1	32866.9	95.01194
As 188.980	475.753	ppb	3.4850	0.7	274.676	95.15057
B 249.678	490.376	ppb	1.7928	0.4	7532.59	98.07519
Ba 389.178	4824.30	ppb	8.6021	0.2	99212.2	96.48605
Be 313.042	481.898	ppb	1.1001	0.2	791217	96.37965
Ca 370.602	4791	ppb	9.823	0.2	11840	95.82142
Cd 226.502	484.667	ppb	0.4424	0.1	18159.3	96.93340
Co 228.615	486.675	ppb	0.1751	0.0	5113.22	97.33495
Cr 267.716	4788.89	ppb	8.4344	0.2	240760	95.77779
Cu 324.754	5024.55	ppb	28.2813	0.6	362651	100.49096
Fe 271.441	4795.42	ppb	8.3300	0.2	6931.51	95.90839
K 766.491	10151.2	ppb	16.8469	0.2	450852	101.51231
Mg 279.078	4795.74	ppb	5.5338	0.1	11780.4	95.91484
Mn 257.610	4893.69	ppb	8.1674	0.2	1033967	97.87387
Mo 202.032	474.505	ppb	2.1117	0.4	3001.56	94.90092
Na 330.237	7707.10	ppb	81.8863	1.1	375.551	102.76138
Ni 231.604	2445.73	ppb	3.6536	0.1	6786.24	97.82932
Pb 220.353	481.464	ppb	0.6464	0.1	700.350	96.29277
Sb 206.834	941.666	ppb	4.2954	0.5	1304.27	94.16655
Se 196.026	4861.69	ppb	0.8595	0.0	1950.05	97.23372
Sn 189.925	4780.97	ppb	30.0223	0.6	3156.38	95.61938
Sr 216.596	2399.31	ppb	3.5660	0.1	26117.7	95.97240

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Ti 334.941	480.790	ppb	0.6222	0.1	136797	96.15804
Tl 190.794	4870.94	ppb	9.1834	0.2	4825.66	97.41881
V 292.401	4796.28	ppb	8.0963	0.2	124425	95.92561
Zn 206.200	2380.37	ppb	2.6542	0.1	2140.34	95.21499

Cont Calib Blank (CCB) **10/13/2014, 3:09:16 PM** **Rack 1, Tube 14**

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

Label	Replicates Concentration		
Ag 328.068	0.1700	0.2611	0.0257
Al 308.215	-7.0960u	-7.6924u	-8.0091u
As 188.980	5.4090	1.0545	-1.2142u
B 249.678	11.1833	9.6784	8.7225
Ba 389.178	0.2878	0.4850	-0.2021u
Be 313.042	-0.0058u	-0.0124u	-0.0131u
Ca 370.602	-1.531u	1.506	2.968
Cd 226.502	0.3480	0.2038	0.1775
Co 228.615	0.0246	-0.0625u	0.2814
Cr 267.716	0.2968	0.3146	0.0836
Cu 324.754	0.5206	0.3505	0.3596
Fe 271.441	-7.0598u	-5.8602u	-0.7099u
K 766.491	0.9578	0.6083	0.4618
Mg 279.078	1.5716	0.1288	1.9977
Mn 257.610	0.1689	0.1274	0.0981
Mo 202.032	0.8298	0.1683	-0.0663u
Na 330.237	-19.6750u	-61.4177u	-62.9376u
Ni 231.604	1.8154	0.4039	0.9135
Pb 220.353	0.7104	-0.4531u	1.5881
Sb 206.834	-2.4420u	-3.3169u	1.5002
Se 196.026	0.0333	0.7630	6.9916
Sn 189.925	0.5402	-3.0379u	0.9882
Sr 216.596	-0.0956u	-0.4510u	-0.3505u
Ti 334.941	0.0782	0.0488	0.0423
Tl 190.794	2.1675	-1.0500u	2.3106
V 292.401	0.3207	-0.1161u	0.0613
Zn 206.200	0.4100	0.4799	1.3218

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Ag 328.068	0.1523	ppb	0.1187	78.0	-0.8925	0.15225
Al 308.215	-7.5991	ppb	0.4636	6.1	464.969	-7.59913
As 188.980	1.7498	ppb	3.3659	192.4	-4.0479	1.74978
B 249.678	9.8614	ppb	1.2406	12.6	185.969	9.86143
Ba 389.178	0.1902	ppb	0.3538	186.0	-55.8059	0.19023
Be 313.042	-0.0104	ppb	0.0040	38.3	-265.926	-0.01043
Ca 370.602	0.9809	ppb	2.295	234.0	16.25	0.98086
Cd 226.502	0.2431	ppb	0.0918	37.8	14.7107	0.24308
Co 228.615	0.0812	ppb	0.1788	220.3	-1.4536	0.08117
Cr 267.716	0.2317	ppb	0.1285	55.5	43.4929	0.23167
Cu 324.754	0.4102	ppb	0.0957	23.3	268.348	0.41024
Fe 271.441	-4.5433	ppb	3.3736	74.3	1.9702	-4.54330
K 766.491	0.6759	ppb	0.2548	37.7	226.775	0.67595
Mg 279.078	1.2327	ppb	0.9795	79.5	14.5046	1.23269
Mn 257.610	0.1315	ppb	0.0356	27.1	74.9787	0.13147
Mo 202.032	0.3106	ppb	0.4647	149.6	7.4156	0.31062

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Na 330.237	-48.0101	ppb	24.5507	51.1	19.4849	-48.01013
Ni 231.604	1.0442	ppb	0.7148	68.4	-3.4371	1.04424
Pb 220.353	0.6151	ppb	1.0239	166.5	1.9457	0.61514
Sb 206.834	-1.4196	ppb	2.5662	180.8	2.5644	-1.41957
Se 196.026	2.5959	ppb	3.8242	147.3	3.2182	2.59594
Sn 189.925	-0.5032	ppb	2.2065	438.5	-3.7682	-0.50317
Sr 216.596	-0.2990	ppb	0.1832	61.3	-0.3419	-0.29900
Ti 334.941	0.0564	ppb	0.0192	33.9	-31.9380	0.05644
Tl 190.794	1.1427	ppb	1.9003	166.3	-4.1301	1.14273
V 292.401	0.0886	ppb	0.2197	247.8	-2.3865	0.08865
Zn 206.200	0.7372	ppb	0.5074	68.8	1.4878	0.73725

680-106028-c-1-cSD (Samp) **10/13/2014, 3:13:31 PM** **Rack 1, Tube 15**

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

Label	Replicates Concentration		
Ag 328.068	0.3288	0.5396	0.4114
Al 308.215	5.1782	4.0124	6.3921
As 188.980	33.5018	37.7761	34.1692
B 249.678	122.705	120.538	119.242
Ba 389.178	0.3043	1.2874	0.7259
Be 313.042	0.0252u	0.0263u	0.0202u
Ca 370.602	4447	4371	4312
Cd 226.502	0.3221	0.1411u	0.2930
Co 228.615	0.1746	0.3365	0.6032
Cr 267.716	1.1836	0.9859	1.2604
Cu 324.754	17.4446	17.2038	17.2705
Fe 271.441	-0.3551u	-7.4352u	1.3649
K 766.491	8349.20	8138.31	8058.86
Mg 279.078	4399.26	4315.25	4281.16
Mn 257.610	0.0597	0.0442	-0.0081
Mo 202.032	35.8903	35.1355	34.6694
Na 330.237	1096104x	1071706x	1053072x
Ni 231.604	3.9457	3.8940	4.1882
Pb 220.353	-0.6915u	0.1459	1.6993
Sb 206.834	65.8626	67.0284	63.9564
Se 196.026	21.8873	15.1725	21.9329
Sn 189.925	-5.5647u	-2.3576u	-5.5204u
Sr 216.596	23.2668	22.8728	22.7692
Ti 334.941	0.1016u	0.0925u	0.1669u
Tl 190.794	-3.6743u	-1.3885u	-1.9606u
V 292.401	0.5222u	0.6281	0.4382u
Zn 206.200	11.1067	8.4307	10.7039

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	0.4266b	ppb	0.1063	24.9	19.8261
Al 308.215	5.1943b	ppb	1.1899	22.9	552.740
As 188.980	35.1490b	ppb	2.2994	6.5	15.5901
B 249.678	120.828b	ppb	1.7494	1.4	1882.82
Ba 389.178	0.7725b	ppb	0.4932	63.8	-38.1110
Be 313.042	0.0239b	ppb	0.0032	13.5	-321.563
Ca 370.602	4377b	ppb	67.39	1.5	10570
Cd 226.502	0.2521b	ppb	0.0972	38.6	9.0943
Co 228.615	0.3714b	ppb	0.2164	58.3	0.7181

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Cr 267.716	1.1433b	ppb	0.1416	12.4	109.321
Cu 324.754	17.3063b	ppb	0.1243	0.7	1488.59
Fe 271.441	-2.1418b	ppb	4.6642	217.8	5.4517
K 766.491	8182.13b	ppb	150.043	1.8	363436
Mg 279.078	4331.89b	ppb	60.7818	1.4	10726.5
Mn 257.610	0.0319b	ppb	0.0356	111.4	80.8814
Mo 202.032	35.2317b	ppb	0.6161	1.7	228.287
Na 330.237	1073627xb	ppb	21579.9	2.0	56876.7
Ni 231.604	4.0093b	ppb	0.1571	3.9	4.7984
Pb 220.353	0.3845b	ppb	1.2131	315.5	1.5689
Sb 206.834	65.6158b	ppb	1.5508	2.4	91.3077
Se 196.026	19.6642b	ppb	3.8900	19.8	10.0532
Sn 189.925	-4.4809b	ppb	1.8389	41.0	-6.0943
Sr 216.596	22.9696b	ppb	0.2625	1.1	254.543
Ti 334.941	0.1204b	ppb	0.0406	33.7	-91.2276
Tl 190.794	-2.3412b	ppb	1.1895	50.8	-7.6876
V 292.401	0.5295b	ppb	0.0952	18.0	-4.5687
Zn 206.200	10.0805b	ppb	1.4428	14.3	9.9314

680-106028-c-1-cPDS (Samp) **10/13/2014, 3:17:46 PM** **Rack 1, Tube 16**

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

Label	Replicates Concentration		
Ag 328.068	122.792	123.504	123.457
Al 308.215	1234.13	1235.52	1235.53
As 188.980	319.402	319.056	322.703
B 249.678	876.676	882.732	879.813
Ba 389.178	79.6687	80.2760	80.7963
Be 313.042	97.0524	97.3960	97.6861
Ca 370.602	32403	32513	32537
Cd 226.502	98.1223	98.0512	98.5286
Co 228.615	93.8716	94.2698	94.8768
Cr 267.716	102.649	102.974	103.085
Cu 324.754	211.046	212.250	210.791
Fe 271.441	9392.05	9438.56	9447.14
K 766.491	90907.7x	91412.4x	90604.2x
Mg 279.078	30559.1	30601.6	30679.9
Mn 257.610	1009.10	1012.08	1013.90
Mo 202.032	277.385	279.317	278.340
Na 330.237	6196460x	6221225x	6198748x
Ni 231.604	111.269	109.795	112.462
Pb 220.353	91.6396	96.7085	91.9301
Sb 206.834	496.717	495.527	501.016
Se 196.026	208.638	212.560	194.688
Sn 189.925	88.5357	83.3362	86.8171
Sr 216.596	222.670	223.085	223.979
Ti 334.941	98.8420	99.3748	99.2704
Tl 190.794	14.2254	9.0078	12.1528
V 292.401	102.266	103.009	102.617
Zn 206.200	156.445	154.650	149.439

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	123.251b	ppb	0.3984	0.3	9650.34
Al 308.215	1235.06b	ppb	0.8024	0.1	8835.79

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
As 188.980	320.387b	ppb	2.0132	0.6	183.273
B 249.678	879.740b	ppb	3.0285	0.3	13467.6
Ba 389.178	80.2470b	ppb	0.5643	0.7	1636.74
Be 313.042	97.3782b	ppb	0.3172	0.3	158999
Ca 370.602	32484b	ppb	71.65	0.2	78324
Cd 226.502	98.2340b	ppb	0.2576	0.3	3684.79
Co 228.615	94.3394b	ppb	0.5062	0.5	984.052
Cr 267.716	102.903b	ppb	0.2265	0.2	5327.30
Cu 324.754	211.362b	ppb	0.7794	0.4	15499.7
Fe 271.441	9425.92b	ppb	29.6452	0.3	13436.6
K 766.491	90974.8xb	ppb	408.236	0.4	4038946
Mg 279.078	30613.5b	ppb	61.2739	0.2	75715.2
Mn 257.610	1011.69b	ppb	2.4203	0.2	214008
Mo 202.032	278.348b	ppb	0.9660	0.3	1765.45
Na 330.237	6205478xb	ppb	13685.8	0.2	328633
Ni 231.604	111.175b	ppb	1.3361	1.2	302.979
Pb 220.353	93.4261b	ppb	2.8464	3.0	135.381
Sb 206.834	497.753b	ppb	2.8877	0.6	664.527
Se 196.026	205.295b	ppb	9.3934	4.6	84.6658
Sn 189.925	86.2297b	ppb	2.6491	3.1	55.2985
Sr 216.596	223.245b	ppb	0.6693	0.3	2453.72
Ti 334.941	99.1624b	ppb	0.2823	0.3	27739.2
Tl 190.794	11.7953b	ppb	2.6271	22.3	5.2745
V 292.401	102.630b	ppb	0.3716	0.4	2573.45
Zn 206.200	153.511b	ppb	3.6394	2.4	138.977

680-106028-c-1-d ms (Samp) **10/13/2014, 3:22:02 PM** **Rack 1, Tube 17**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Replicates Concentration		
Ag 328.068	66.9408	67.0874	67.3914
Al 308.215	6121.55	6152.07	6174.75
As 188.980	321.382	317.320	317.156
B 249.678	870.125	877.549	880.794
Ba 389.178	99.5872	101.169	100.788
Be 313.042	51.0923	51.3703	51.2507
Ca 370.602	27662	27883	27836
Cd 226.502	51.0265	51.4628	51.5446
Co 228.615	48.9377	49.8056	49.9789
Cr 267.716	105.118	105.876	105.535
Cu 324.754	206.479	206.512	209.956
Fe 271.441	4810.46	4847.13	4831.01
K 766.491	75760.6x	75872.7x	76529.3x
Mg 279.078	25711.1	25876.1	25847.8
Mn 257.610	516.095	519.118	517.825
Mo 202.032	276.984	277.639	279.888
Na 330.237	6054028x	6070756x	6073620x
Ni 231.604	112.616	113.505	114.778
Pb 220.353	473.795	472.343	474.590
Sb 206.834	429.996	431.300	437.950
Se 196.026	222.153	205.215	212.263
Sn 189.925	180.337	183.791	186.538
Sr 216.596	221.687	223.554	223.318
Ti 334.941	99.7983	100.107	100.072

Label	Replicates Concentration		
Tl 190.794	33.2604	31.8770	26.0269
V 292.401	103.991	103.805	103.922
Zn 206.200	150.278	153.271	149.262

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	67.1399b	ppb	0.2299	0.3	5247.74
Al 308.215	6149.46b	ppb	26.6926	0.4	41769.4
As 188.980	318.619b	ppb	2.3937	0.8	182.306
B 249.678	876.156b	ppb	5.4688	0.6	13421.7
Ba 389.178	100.515b	ppb	0.8253	0.8	2045.23
Be 313.042	51.2378b	ppb	0.1394	0.3	83249.6
Ca 370.602	27793b	ppb	116.5	0.4	67047
Cd 226.502	51.3446b	ppb	0.2785	0.5	1912.68
Co 228.615	49.5741b	ppb	0.5579	1.1	513.616
Cr 267.716	105.510b	ppb	0.3793	0.4	5451.86
Cu 324.754	207.649b	ppb	1.9978	1.0	15229.8
Fe 271.441	4829.54b	ppb	18.3790	0.4	6889.23
K 766.491	76054.2xb	ppb	415.238	0.5	3376560
Mg 279.078	25811.7b	ppb	88.2188	0.3	63845.2
Mn 257.610	517.679b	ppb	1.5170	0.3	109592
Mo 202.032	278.171b	ppb	1.5232	0.5	1764.53
Na 330.237	6066135xb	ppb	10581.9	0.2	321255
Ni 231.604	113.633b	ppb	1.0867	1.0	309.557
Pb 220.353	473.576b	ppb	1.1396	0.2	685.139
Sb 206.834	433.082b	ppb	4.2660	1.0	578.224
Se 196.026	213.210b	ppb	8.5085	4.0	87.7004
Sn 189.925	183.555b	ppb	3.1073	1.7	119.581
Sr 216.596	222.853b	ppb	1.0166	0.5	2442.88
Ti 334.941	99.9927b	ppb	0.1692	0.2	27978.5
Tl 190.794	30.3881b	ppb	3.8398	12.6	23.8885
V 292.401	103.906b	ppb	0.0945	0.1	2605.84
Zn 206.200	150.937b	ppb	2.0841	1.4	136.819

680-106028-c-1-e msd (Samp) **10/13/2014, 3:26:18 PM** **Rack 1, Tube 18**

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

Label	Replicates Concentration		
Ag 328.068	67.2995	66.5500	67.9430
Al 308.215	6156.47	6104.30	6213.18
As 188.980	319.042	315.832	323.394
B 249.678	866.387	860.699	878.395
Ba 389.178	102.551	100.902	103.634
Be 313.042	52.0815	51.7155	52.6581
Ca 370.602	28076	27900	28293
Cd 226.502	52.2297	52.1329	52.5216
Co 228.615	49.7358	50.0603	49.7004
Cr 267.716	107.864	107.068	109.105
Cu 324.754	206.936	203.623	207.058
Fe 271.441	4931.64	4895.58	4977.77
K 766.491	73198.7x	72313.8x	73768.9x
Mg 279.078	25952.2	25856.6	26212.2
Mn 257.610	526.741	523.519	531.373
Mo 202.032	279.779	278.930	285.288
Na 330.237	5962828x	5944477x	6004672x

Label	Replicates Concentration		
Ni 231.604	116.854	115.192	119.834
Pb 220.353	483.840	477.250	487.093
Sb 206.834	430.356	426.071	436.131
Se 196.026	210.334	216.875	207.727
Sn 189.925	190.362	195.051	184.828
Sr 216.596	225.684	224.372	228.011
Ti 334.941	101.216	100.660	102.331
Tl 190.794	29.5431	32.5721	32.2243
V 292.401	106.115	105.615	106.855
Zn 206.200	159.271	164.503	158.240

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	67.2642b	ppb	0.6972	1.0	5257.43
Al 308.215	6157.98b	ppb	54.4530	0.9	41827.1
As 188.980	319.422b	ppb	3.7955	1.2	182.777
B 249.678	868.494b	ppb	9.0341	1.0	13304.3
Ba 389.178	102.362b	ppb	1.3757	1.3	2083.55
Be 313.042	52.1517b	ppb	0.4752	0.9	84758.7
Ca 370.602	28089b	ppb	196.8	0.7	67760
Cd 226.502	52.2947b	ppb	0.2024	0.4	1949.13
Co 228.615	49.8321b	ppb	0.1983	0.4	516.291
Cr 267.716	108.012b	ppb	1.0265	1.0	5576.16
Cu 324.754	205.872b	ppb	1.9492	0.9	15101.8
Fe 271.441	4934.99b	ppb	41.1974	0.8	7039.50
K 766.491	73093.8xb	ppb	733.202	1.0	3245137
Mg 279.078	26007.0b	ppb	184.036	0.7	64328.3
Mn 257.610	527.211b	ppb	3.9479	0.7	111607
Mo 202.032	281.333b	ppb	3.4519	1.2	1784.52
Na 330.237	5970659xb	ppb	30852.2	0.5	316199
Ni 231.604	117.294b	ppb	2.3517	2.0	319.729
Pb 220.353	482.728b	ppb	5.0152	1.0	698.363
Sb 206.834	430.853b	ppb	5.0487	1.2	575.239
Se 196.026	211.645b	ppb	4.7128	2.2	87.0763
Sn 189.925	190.080b	ppb	5.1174	2.7	123.870
Sr 216.596	226.022b	ppb	1.8430	0.8	2477.51
Ti 334.941	101.402b	ppb	0.8509	0.8	28386.7
Tl 190.794	31.4465b	ppb	1.6575	5.3	24.9264
V 292.401	106.195b	ppb	0.6238	0.6	2665.53
Zn 206.200	160.672b	ppb	3.3581	2.1	145.610

480-68928-e-1-a (Samp) **10/13/2014, 3:30:33 PM** **Rack 1, Tube 19**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Replicates Concentration		
Ag 328.068	0.2018	0.0365	-0.0330u
Al 308.215	340.601	342.853	339.879
As 188.980	-1.5458u	-2.1092u	1.0250
B 249.678	37.1766	35.5833	35.8242
Ba 389.178	23.0474	21.8238	22.4737
Be 313.042	-0.0237u	-0.0221u	-0.0265u
Ca 370.602	29650	29630	29502
Cd 226.502	0.2478	0.1923	0.4751
Co 228.615	0.3284	0.5698	0.5118
Cr 267.716	0.5565	0.6663	0.5494

Label	Replicates Concentration		
Cu 324.754	24.6199	24.2678	24.6849
Fe 271.441	21.6923	24.5646	25.0963
K 766.491	18146.5	18123.6	18130.7
Mg 279.078	2414.97	2416.98	2409.88
Mn 257.610	10.2921	10.2937	10.3530
Mo 202.032	1.8318	1.3193	1.8301
Na 330.237	39228.0	39014.3	39316.5
Ni 231.604	3.7987	4.3198	4.8601
Pb 220.353	1.3294	2.9739	-1.3474u
Sb 206.834	1.1321	-0.1153u	-5.2290u
Se 196.026	2.2948	-2.2405u	1.3399
Sn 189.925	-2.6845u	-4.3827u	-4.3611u
Sr 216.596	73.9408	72.8443	72.8708
Ti 334.941	0.8826	1.0279	1.0695
Tl 190.794	0.5491	-2.9994u	-3.2025u
V 292.401	0.3021	0.2936	0.4636
Zn 206.200	15.1573	15.5708	14.9503

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	0.0684	ppb	0.1206	176.3	-9.8663
Al 308.215	341.111	ppb	1.5510	0.5	2802.51
As 188.980	-0.8767	ppb	1.6708	190.6	-5.5901
B 249.678	36.1947	ppb	0.8589	2.4	588.418
Ba 389.178	22.4483	ppb	0.6122	2.7	405.234
Be 313.042	-0.0241	ppb	0.0022	9.2	-283.972
Ca 370.602	29594	ppb	79.91	0.3	71390
Cd 226.502	0.3051	ppb	0.1498	49.1	16.9491
Co 228.615	0.4700	ppb	0.1260	26.8	2.6285
Cr 267.716	0.5907	ppb	0.0656	11.1	62.3318
Cu 324.754	24.5242	ppb	0.2244	0.9	2007.94
Fe 271.441	23.7844	ppb	1.8312	7.7	42.3351
K 766.491	18133.6	ppb	11.7236	0.1	805222
Mg 279.078	2413.94	ppb	3.6615	0.2	5982.08
Mn 257.610	10.3129	ppb	0.0347	0.3	2244.19
Mo 202.032	1.6604	ppb	0.2954	17.8	15.9513
Na 330.237	39186.3	ppb	155.389	0.4	2096.83
Ni 231.604	4.3262	ppb	0.5307	12.3	5.6803
Pb 220.353	0.9853	ppb	2.1811	221.4	2.4747
Sb 206.834	-1.4040	ppb	3.3707	240.1	2.5662
Se 196.026	0.4647	ppb	2.3910	514.5	2.3670
Sn 189.925	-3.8095	ppb	0.9743	25.6	-5.9423
Sr 216.596	73.2186	ppb	0.6255	0.9	811.890
Ti 334.941	0.9933	ppb	0.0981	9.9	235.778
Tl 190.794	-1.8843	ppb	2.1098	112.0	-7.1283
V 292.401	0.3531	ppb	0.0958	27.1	4.0029
Zn 206.200	15.2261	ppb	0.3159	2.1	14.5851

480-68928-d-3-a (Samp) **10/13/2014, 3:34:49 PM** **Rack 1, Tube 20**

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

Label	Replicates Concentration		
Ag 328.068	0.1113	-0.1784u	-0.0826u
Al 308.215	36.4230	34.4298	36.0431
As 188.980	-2.8594u	1.7948	1.2914

Label	Replicates Concentration		
B 249.678	12.5254	12.7352	12.3781
Ba 389.178	9.5312	9.3310	9.3170
Be 313.042	-0.0202u	-0.0249u	-0.0255u
Ca 370.602	13829	13876	13796
Cd 226.502	0.2256	0.1624	0.4056
Co 228.615	0.1443	0.2162	0.6988
Cr 267.716	1.0745	1.1535	0.8761
Cu 324.754	1.6758	1.9544	1.7161
Fe 271.441	168.891	169.201	163.153
K 766.491	1469.36	1468.90	1461.93
Mg 279.078	1796.32	1797.97	1786.55
Mn 257.610	30.2370	30.1705	30.0647
Mo 202.032	0.0554	0.0327	0.1771
Na 330.237	9350.42	9054.63	9077.47
Ni 231.604	3.8910	3.7645	3.7139
Pb 220.353	1.3353	-0.9369u	1.8302
Sb 206.834	-3.1399u	1.7276	-0.9897u
Se 196.026	3.2843	1.9615	-2.6828u
Sn 189.925	-3.9919u	-4.1462u	-1.9387u
Sr 216.596	69.1134	68.5681	68.4039
Ti 334.941	0.9710	0.9923	0.9761
Tl 190.794	-4.0037u	-3.6704u	2.7500
V 292.401	-0.1532u	0.5066	-0.1990u
Zn 206.200	6.5238	6.8236	6.8895

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.0499	ppb	0.1476	295.7	-18.8846
Al 308.215	35.6319	ppb	1.0583	3.0	755.017
As 188.980	0.0756	ppb	2.5542	3378.7	-5.0332
B 249.678	12.5462	ppb	0.1795	1.4	226.662
Ba 389.178	9.3931	ppb	0.1198	1.3	135.911
Be 313.042	-0.0236	ppb	0.0029	12.4	-284.153
Ca 370.602	13834	ppb	40.31	0.3	33378
Cd 226.502	0.2646	ppb	0.1262	47.7	16.1391
Co 228.615	0.3531	ppb	0.3015	85.4	1.4385
Cr 267.716	1.0347	ppb	0.1429	13.8	84.2447
Cu 324.754	1.7821	ppb	0.1506	8.4	367.374
Fe 271.441	167.082	ppb	3.4057	2.0	246.286
K 766.491	1466.73	ppb	4.1596	0.3	65311.0
Mg 279.078	1793.61	ppb	6.1707	0.3	4447.41
Mn 257.610	30.1574	ppb	0.0869	0.3	6432.37
Mo 202.032	0.0884	ppb	0.0777	87.9	6.0027
Na 330.237	9160.84	ppb	164.576	1.8	506.977
Ni 231.604	3.7898	ppb	0.0912	2.4	4.2010
Pb 220.353	0.7429	ppb	1.4756	198.6	2.1258
Sb 206.834	-0.8007	ppb	2.4392	304.6	3.4040
Se 196.026	0.8543	ppb	3.1338	366.8	2.5281
Sn 189.925	-3.3589	ppb	1.2324	36.7	-5.6530
Sr 216.596	68.6952	ppb	0.3714	0.5	757.226
Ti 334.941	0.9798	ppb	0.0111	1.1	233.230
Tl 190.794	-1.6414	ppb	3.8066	231.9	-6.8911
V 292.401	0.0514	ppb	0.3948	767.5	-3.3430
Zn 206.200	6.7456	ppb	0.1949	2.9	6.9116

480-68929-c-1-a (Samp) **10/13/2014, 3:39:05 PM** **Rack 1, Tube 21**

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

Label	Replicates Concentration		
Ag 328.068	-0.2162u	0.2400	-0.2972u
Al 308.215	20.7460	22.6494	20.4428
As 188.980	-3.9900u	-3.6917u	0.5042
B 249.678	110.892	110.586	111.867
Ba 389.178	25.9105	26.6825	25.0273
Be 313.042	-0.0244u	-0.0303u	-0.0237u
Ca 370.602	16631	16640	16636
Cd 226.502	0.3459	0.1752	0.3860
Co 228.615	0.5969	-0.3687u	0.4527
Cr 267.716	0.4245	0.1612	0.2040
Cu 324.754	2.5925	2.9670	2.7256
Fe 271.441	12.5201	21.0676	16.1703
K 766.491	10754.5	10794.6	10785.3
Mg 279.078	3612.86	3594.77	3599.35
Mn 257.610	9.2472	9.2433	9.2400
Mo 202.032	-0.2500u	0.1680	-0.3317u
Na 330.237	62885.2	62701.6	62960.7
Ni 231.604	2.4420	2.3003	2.7310
Pb 220.353	0.6764	-1.9012u	-0.0755u
Sb 206.834	-0.2635u	-2.3278u	-0.9090u
Se 196.026	-3.1249u	7.1645	0.5373
Sn 189.925	-3.6426u	-2.7262u	-0.7369u
Sr 216.596	46.4489	45.7425	46.1638
Ti 334.941	0.1635	0.1061	0.1151
Tl 190.794	-5.1044u	-3.5241u	-2.7591u
V 292.401	0.1936	0.1572	-0.1131u
Zn 206.200	32.6652	32.8300	36.2363

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.0911	ppb	0.2896	317.8	-21.5142
Al 308.215	21.2794	ppb	1.1961	5.6	658.551
As 188.980	-2.3925	ppb	2.5130	105.0	-6.4843
B 249.678	111.115	ppb	0.6692	0.6	1733.47
Ba 389.178	25.8734	ppb	0.8283	3.2	477.215
Be 313.042	-0.0262	ppb	0.0036	13.9	-293.375
Ca 370.602	16636	ppb	4.415	0.0	40137
Cd 226.502	0.3024	ppb	0.1119	37.0	16.6976
Co 228.615	0.2270	ppb	0.5209	229.5	0.0981
Cr 267.716	0.2632	ppb	0.1413	53.7	46.2978
Cu 324.754	2.7617	ppb	0.1898	6.9	437.967
Fe 271.441	16.5860	ppb	4.2888	25.9	32.0566
K 766.491	10778.1	ppb	20.9586	0.2	478683
Mg 279.078	3602.33	ppb	9.4033	0.3	8921.70
Mn 257.610	9.2435	ppb	0.0036	0.0	2026.79
Mo 202.032	-0.1379	ppb	0.2680	194.4	4.5778
Na 330.237	62849.2	ppb	133.266	0.2	3349.52
Ni 231.604	2.4911	ppb	0.2195	8.8	0.5830
Pb 220.353	-0.4334	ppb	1.3256	305.8	0.4303
Sb 206.834	-1.1668	ppb	1.0560	90.5	2.9085
Se 196.026	1.5257	ppb	5.2154	341.8	2.7916
Sn 189.925	-2.3686	ppb	1.4855	62.7	-4.9834
Sr 216.596	46.1184	ppb	0.3554	0.8	511.790

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ti 334.941	0.1283	ppb	0.0309	24.1	-10.2673
Tl 190.794	-3.7958	ppb	1.1960	31.5	-9.0158
V 292.401	0.0793	ppb	0.1675	211.4	-2.9925
Zn 206.200	33.9105	ppb	2.0159	5.9	31.4789

480-68929-c-3-a (Samp) **10/13/2014, 3:43:22 PM** **Rack 1, Tube 22**

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

Label	Replicates Concentration		
Ag 328.068	-0.0487u	-0.1511u	0.2941
Al 308.215	43.2339	43.6925	42.3428
As 188.980	-3.5952u	-3.3444u	0.9291
B 249.678	29.8875	28.9188	28.8688
Ba 389.178	20.7343	19.7824	19.9824
Be 313.042	-0.0128u	-0.0150u	-0.0143u
Ca 370.602	9283	9238	9243
Cd 226.502	0.0790	0.0805	0.3385
Co 228.615	0.9753	0.0849	0.2426
Cr 267.716	0.4935	0.5425	0.3232
Cu 324.754	0.7004	0.6720	0.9614
Fe 271.441	482.611	477.382	482.622
K 766.491	1750.00	1747.50	1743.46
Mg 279.078	1412.73	1421.23	1423.59
Mn 257.610	33.5246	33.4873	33.5265
Mo 202.032	-0.1742u	0.3253	0.8766
Na 330.237	19743.6	19866.0	19858.5
Ni 231.604	1.5350	1.9371	1.4639
Pb 220.353	-1.3827u	2.2993	-2.0040u
Sb 206.834	0.2439	-2.8476u	1.0288
Se 196.026	-1.8042u	-0.9569u	-9.5956u
Sn 189.925	-1.0255u	-1.0297u	-3.5880u
Sr 216.596	43.3670	43.9664	43.6829
Ti 334.941	0.7956	0.8526	0.7679
Tl 190.794	-2.0037u	-4.6056u	-2.0654u
V 292.401	0.1217	-0.0028u	0.0806
Zn 206.200	7.9180	8.8147	7.6833

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	0.0314	ppb	0.2331	741.6	-11.7303
Al 308.215	43.0897	ppb	0.6863	1.6	805.560
As 188.980	-2.0035	ppb	2.5428	126.9	-6.2580
B 249.678	29.2250	ppb	0.5743	2.0	480.891
Ba 389.178	20.1664	ppb	0.5019	2.5	357.237
Be 313.042	-0.0140	ppb	0.0011	8.0	-271.072
Ca 370.602	9255	ppb	24.61	0.3	22331
Cd 226.502	0.1660	ppb	0.1494	90.0	13.6820
Co 228.615	0.4342	ppb	0.4751	109.4	2.2997
Cr 267.716	0.4531	ppb	0.1151	25.4	55.3619
Cu 324.754	0.7779	ppb	0.1596	20.5	295.082
Fe 271.441	480.871	ppb	3.0223	0.6	692.939
K 766.491	1746.99	ppb	3.3005	0.2	77752.8
Mg 279.078	1419.18	ppb	5.7094	0.4	3521.19
Mn 257.610	33.5128	ppb	0.0221	0.1	7139.31
Mo 202.032	0.3426	ppb	0.5256	153.4	7.5964

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Na 330.237	19822.7	ppb	68.5894	0.3	1071.46
Ni 231.604	1.6454	ppb	0.2552	15.5	-1.7309
Pb 220.353	-0.3625	ppb	2.3260	641.7	0.5078
Sb 206.834	-0.5250	ppb	2.0494	390.4	3.7719
Se 196.026	-4.1189	ppb	4.7618	115.6	0.5397
Sn 189.925	-1.8811	ppb	1.4782	78.6	-4.6733
Sr 216.596	43.6721	ppb	0.2998	0.7	483.067
Ti 334.941	0.8054	ppb	0.0432	5.4	182.147
Tl 190.794	-2.8916	ppb	1.4847	51.3	-8.1671
V 292.401	0.0665	ppb	0.0634	95.4	-2.9371
Zn 206.200	8.1387	ppb	0.5971	7.3	8.1601

680-106124-a-1-a (Samp) **10/13/2014, 3:47:38 PM** **Rack 1, Tube 23**

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

Label	Replicates Concentration		
Ag 328.068	0.0198	0.0492	0.0146
Al 308.215	-0.5229u	-2.1820u	-2.5450u
As 188.980	0.1441	-0.4461u	-1.6773u
B 249.678	3.1022	3.1488	2.5353
Ba 389.178	0.0368	-0.7151u	-0.1566u
Be 313.042	-0.0242u	-0.0226u	-0.0182u
Ca 370.602	9.146	10.08	17.35
Cd 226.502	0.2918	0.1810	0.1386
Co 228.615	-0.0291u	0.4660	0.2852
Cr 267.716	0.5355	0.3965	0.4224
Cu 324.754	1.4287	1.2188	1.2661
Fe 271.441	26.2614	21.5370	17.4184
K 766.491	1.6905	1.8125	2.0385
Mg 279.078	3.9829	6.1666	1.9199
Mn 257.610	0.1378	0.1476	0.1612
Mo 202.032	0.0062	-0.2457u	-0.3729u
Na 330.237	92.0522	183.645	243.830
Ni 231.604	1.8970	-0.2467u	1.0110
Pb 220.353	1.4822	-0.8977u	1.5008
Sb 206.834	1.8907	-4.9455u	0.1005
Se 196.026	2.4952	2.1433	3.5692
Sn 189.925	-0.4577u	-5.5677u	-1.7167u
Sr 216.596	0.6093	0.2047	0.6703
Ti 334.941	0.0580	0.0845	0.0669
Tl 190.794	-3.8491u	-3.1574u	-4.4825u
V 292.401	-0.3291u	-0.0562u	-0.0131u
Zn 206.200	3.6208	4.2885	4.8562

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	0.0279	ppb	0.0187	67.1	-10.6734
Al 308.215	-1.7500	ppb	1.0780	61.6	504.157
As 188.980	-0.6598	ppb	0.9293	140.9	-5.4652
B 249.678	2.9288	ppb	0.3415	11.7	79.9648
Ba 389.178	-0.2783	ppb	0.3904	140.3	-65.4319
Be 313.042	-0.0216	ppb	0.0031	14.2	-284.314
Ca 370.602	12.19	ppb	4.493	36.9	43.07
Cd 226.502	0.2038	ppb	0.0791	38.8	13.3277
Co 228.615	0.2407	ppb	0.2505	104.1	0.2373

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Cr 267.716	0.4515	ppb	0.0739	16.4	54.5593
Cu 324.754	1.3046	ppb	0.1101	8.4	332.856
Fe 271.441	21.7389	ppb	4.4250	20.4	39.3831
K 766.491	1.8472	ppb	0.1765	9.6	278.771
Mg 279.078	4.0231	ppb	2.1236	52.8	21.4046
Mn 257.610	0.1489	ppb	0.0118	7.9	78.7417
Mo 202.032	-0.2041	ppb	0.1929	94.5	4.1591
Na 330.237	173.176	ppb	76.4287	44.1	31.1166
Ni 231.604	0.8871	ppb	1.0772	121.4	-3.8719
Pb 220.353	0.6951	ppb	1.3794	198.5	2.0606
Sb 206.834	-0.9847	ppb	3.5450	360.0	3.1548
Se 196.026	2.7359	ppb	0.7428	27.2	3.2744
Sn 189.925	-2.5807	ppb	2.6623	103.2	-5.1412
Sr 216.596	0.4948	ppb	0.2530	51.1	8.3529
Ti 334.941	0.0698	ppb	0.0135	19.3	-28.1394
Tl 190.794	-3.8297	ppb	0.6627	17.3	-9.0543
V 292.401	-0.1328	ppb	0.1713	129.0	-8.0742
Zn 206.200	4.2552	ppb	0.6184	14.5	4.6667

680-106124-a-2-a (Samp) **10/13/2014, 3:51:56 PM** **Rack 1, Tube 24**

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

Label	Replicates Concentration		
Ag 328.068	-0.1667u	0.2872	-0.1150u
Al 308.215	31.1630	31.4836	31.4529
As 188.980	0.0153	0.0715	-3.0746u
B 249.678	139.003	138.997	139.990
Ba 389.178	9.3710	8.8394	8.9334
Be 313.042	-0.0299u	-0.0241u	-0.0265u
Ca 370.602	15241	15242	15202
Cd 226.502	0.1879	0.1657	0.0374
Co 228.615	0.8986	0.0264	0.4969
Cr 267.716	0.9882	0.7611	0.9681
Cu 324.754	11.0099	11.0726	10.8228
Fe 271.441	157.345	159.547	162.033
K 766.491	9717.52	9694.92	9719.78
Mg 279.078	3062.45	3057.14	3047.52
Mn 257.610	24.3217	24.2680	24.1814
Mo 202.032	1.6113	1.3713	1.2070
Na 330.237	45377.1	45206.8	45541.4
Ni 231.604	3.7181	2.4961	3.2670
Pb 220.353	0.0901	0.9893	1.5859
Sb 206.834	1.6659	0.7276	1.0020
Se 196.026	1.9523	6.7697	6.3989
Sn 189.925	-3.6414u	-0.4536u	-1.3464u
Sr 216.596	67.7772	66.9381	67.0028
Ti 334.941	0.2196	0.2019	0.2304
Tl 190.794	-2.0688u	-5.7388u	-2.4683u
V 292.401	0.4269	0.9498	0.4498
Zn 206.200	25.0913	26.2438	27.1604

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	0.0019	ppb	0.2485	13286.6	-14.8155
Al 308.215	31.3665	ppb	0.1769	0.6	726.550

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
As 188.980	-0.9959	ppb	1.8004	180.8	-5.6639
B 249.678	139.330	ppb	0.5719	0.4	2164.42
Ba 389.178	9.0479	ppb	0.2837	3.1	130.437
Be 313.042	-0.0268	ppb	0.0029	10.8	-293.258
Ca 370.602	15228	ppb	22.34	0.1	36741
Cd 226.502	0.1303	ppb	0.0812	62.3	10.9323
Co 228.615	0.4740	ppb	0.4365	92.1	2.6624
Cr 267.716	0.9058	ppb	0.1257	13.9	78.4042
Cu 324.754	10.9685	ppb	0.1299	1.2	1030.10
Fe 271.441	159.641	ppb	2.3454	1.5	235.687
K 766.491	9710.74	ppb	13.7485	0.1	431297
Mg 279.078	3055.70	ppb	7.5681	0.2	7569.33
Mn 257.610	24.2570	ppb	0.0708	0.3	5195.06
Mo 202.032	1.3965	ppb	0.2033	14.6	14.2760
Na 330.237	45375.1	ppb	167.281	0.4	2424.32
Ni 231.604	3.1604	ppb	0.6179	19.6	2.4531
Pb 220.353	0.8884	ppb	0.7530	84.8	2.3338
Sb 206.834	1.1319	ppb	0.4824	42.6	5.9565
Se 196.026	5.0403	ppb	2.6807	53.2	4.2032
Sn 189.925	-1.8138	ppb	1.6445	90.7	-4.6217
Sr 216.596	67.2394	ppb	0.4669	0.7	741.833
Ti 334.941	0.2173	ppb	0.0144	6.6	15.5336
Tl 190.794	-3.4253	ppb	2.0135	58.8	-8.6638
V 292.401	0.6088	ppb	0.2955	48.5	10.6712
Zn 206.200	26.1652	ppb	1.0368	4.0	24.4690

Cont Calib Verif (CCV) **10/13/2014, 3:56:12 PM** **Rack 1, Tube 25**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Replicates Concentration		
Ag 328.068	518.014	520.683	521.778
Al 308.215	5032.23	5040.54	5025.11
As 188.980	487.704	489.867	491.361
B 249.678	504.706	507.715	509.786
Ba 389.178	5121.37	5121.78	5100.45
Be 313.042	509.601	508.449	510.224
Ca 370.602	5073	5071	5069
Cd 226.502	516.005	517.045	516.212
Co 228.615	515.841	517.003	515.938
Cr 267.716	5096.91	5091.14	5083.01
Cu 324.754	5152.03	5173.53	5223.09
Fe 271.441	5108.98	5099.76	5085.99
K 766.491	10273.9	10264.9	10247.4
Mg 279.078	5081.68	5092.70	5083.03
Mn 257.610	5173.81	5174.07	5189.23
Mo 202.032	506.731	507.340	505.699
Na 330.237	8081.07	7734.56	8005.64
Ni 231.604	2594.01	2596.47	2599.11
Pb 220.353	513.047	515.480	509.619
Sb 206.834	992.168	988.820	979.453
Se 196.026	4982.49	5018.66	4989.96
Sn 189.925	5097.44	5119.19	5084.87
Sr 216.596	2575.81	2580.34	2574.13
Ti 334.941	506.054	506.111	504.167

Label	Replicates Concentration		
Tl 190.794	5163.29	5169.57	5161.00
V 292.401	5067.18	5069.58	5058.17
Zn 206.200	2564.52	2557.50	2564.10

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Ag 328.068	520.159	ppb	1.9361	0.4	40739.9	104.03172
Al 308.215	5032.63	ppb	7.7234	0.2	34786.7	100.65253
As 188.980	489.644	ppb	1.8385	0.4	282.839	97.92876
B 249.678	507.402	ppb	2.5545	0.5	7792.80	101.48049
Ba 389.178	5114.53	ppb	12.1986	0.2	105184	102.29066
Be 313.042	509.425	ppb	0.9006	0.2	836426	101.88499
Ca 370.602	5071	ppb	2.292	0.0	12530	101.41754
Cd 226.502	516.421	ppb	0.5506	0.1	19348.6	103.28412
Co 228.615	516.261	ppb	0.6449	0.1	5424.07	103.25215
Cr 267.716	5090.35	ppb	6.9857	0.1	255915	101.80705
Cu 324.754	5182.88	ppb	36.4412	0.7	374071	103.65764
Fe 271.441	5098.24	ppb	11.5694	0.2	7368.46	101.96484
K 766.491	10262.1	ppb	13.4691	0.1	455773	102.62081
Mg 279.078	5085.80	ppb	6.0074	0.1	12492.1	101.71606
Mn 257.610	5179.04	ppb	8.8329	0.2	1094254	103.58072
Mo 202.032	506.590	ppb	0.8297	0.2	3204.20	101.31797
Na 330.237	7940.42	ppb	182.225	2.3	383.703	105.87231
Ni 231.604	2596.53	ppb	2.5481	0.1	7205.05	103.86120
Pb 220.353	512.715	ppb	2.9444	0.6	745.746	102.54301
Sb 206.834	986.814	ppb	6.5903	0.7	1367.43	98.68137
Se 196.026	4997.04	ppb	19.0978	0.4	2004.32	99.94072
Sn 189.925	5100.50	ppb	17.3658	0.3	3367.57	102.01001
Sr 216.596	2576.76	ppb	3.2130	0.1	28049.7	103.07030
Ti 334.941	505.444	ppb	1.1066	0.2	143814	101.08884
Tl 190.794	5164.62	ppb	4.4335	0.1	5116.89	103.29239
V 292.401	5064.98	ppb	6.0195	0.1	131392	101.29956
Zn 206.200	2562.04	ppb	3.9378	0.2	2303.74	102.48162

Cont Calib Blank (CCB) **10/13/2014, 4:00:26 PM** **Rack 1, Tube 26**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Replicates Concentration		
Ag 328.068	0.0580	0.1259	0.0173
Al 308.215	-4.2117u	-4.0251u	-3.8722u
As 188.980	0.6641	-3.8039u	3.1785
B 249.678	10.6825	9.6846	8.1988
Ba 389.178	0.4664	-0.3049u	0.7571
Be 313.042	0.0013	-0.0053u	-0.0201u
Ca 370.602	0.8905	-1.586u	-1.650u
Cd 226.502	0.2382	0.4051	0.2528
Co 228.615	0.1381	0.4657	0.7915
Cr 267.716	0.2675	0.4141	0.0653
Cu 324.754	0.3442	0.5697	0.3781
Fe 271.441	-3.6358u	-1.5743u	0.8908
K 766.491	0.6488	0.7063	1.0300
Mg 279.078	4.1523	4.7765	3.1003
Mn 257.610	0.2245	0.2068	0.1442
Mo 202.032	0.7318	0.4653	-0.1707u
Na 330.237	-0.6978u	116.412	-49.3635u

Label	Replicates Concentration		
Ni 231.604	2.6226	1.5692	1.2798
Pb 220.353	0.7674	-0.1781u	1.4217
Sb 206.834	-4.6328u	0.4944	-1.1690u
Se 196.026	-0.9104u	1.4328	0.5437
Sn 189.925	-1.6243u	-1.8544u	-2.8590u
Sr 216.596	0.3161	0.3234	0.2050
Ti 334.941	0.0895	0.0407	0.0641
Tl 190.794	2.7775	0.8571	0.8307
V 292.401	0.3560	0.2417	0.2458
Zn 206.200	1.1133	-0.6978u	-0.1060u

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Ag 328.068	0.0670	ppb	0.0549	81.9	-7.5967	0.06703
Al 308.215	-4.0363	ppb	0.1700	4.2	488.879	-4.03632
As 188.980	0.0129	ppb	3.5365	27386.7	-5.0696	0.01291
B 249.678	9.5219	ppb	1.2498	13.1	180.768	9.52194
Ba 389.178	0.3062	ppb	0.5488	179.2	-53.4153	0.30619
Be 313.042	-0.0080	ppb	0.0110	136.5	-262.032	-0.00804
Ca 370.602	-0.7817	ppb	1.449	185.3	11.97	-0.78173
Cd 226.502	0.2987	ppb	0.0924	30.9	16.8029	0.29871
Co 228.615	0.4651	ppb	0.3267	70.2	2.5754	0.46512
Cr 267.716	0.2490	ppb	0.1751	70.3	44.3623	0.24895
Cu 324.754	0.4307	ppb	0.1216	28.2	269.826	0.43065
Fe 271.441	-1.4398	ppb	2.2663	157.4	6.4166	-1.43977
K 766.491	0.7950	ppb	0.2055	25.8	232.060	0.79500
Mg 279.078	4.0097	ppb	0.8471	21.1	21.3715	4.00971
Mn 257.610	0.1918	ppb	0.0422	22.0	87.7517	0.19184
Mo 202.032	0.3421	ppb	0.4637	135.5	7.6144	0.34210
Na 330.237	22.1169	ppb	85.2101	385.3	23.2165	22.11686
Ni 231.604	1.8239	ppb	0.7067	38.7	-1.2719	1.82388
Pb 220.353	0.6703	ppb	0.8043	120.0	2.0249	0.67031
Sb 206.834	-1.7691	ppb	2.6158	147.9	2.0957	-1.76914
Se 196.026	0.3554	ppb	1.1829	332.9	2.3210	0.35536
Sn 189.925	-2.1126	ppb	0.6566	31.1	-4.8319	-2.11258
Sr 216.596	0.2815	ppb	0.0664	23.6	5.9703	0.28149
Ti 334.941	0.0648	ppb	0.0244	37.6	-29.5745	0.06475
Tl 190.794	1.4884	ppb	1.1164	75.0	-3.7878	1.48841
V 292.401	0.2812	ppb	0.0648	23.1	2.5895	0.28117
Zn 206.200	0.1031	ppb	0.9235	895.4	0.9142	0.10314

680-106124-a-2-b ms (Samp) **10/13/2014, 4:04:41 PM** **Rack 1, Tube 27**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Replicates Concentration		
Ag 328.068	50.4988	50.4375	50.2124
Al 308.215	4880.22	4875.10	4872.57
As 188.980	99.7842	96.4231	91.9580
B 249.678	323.025	323.751	324.245
Ba 389.178	106.663	106.193	106.815
Be 313.042	50.8569	50.7766	50.6568
Ca 370.602	19139	19077	18940
Cd 226.502	49.7808	49.9928	49.9515
Co 228.615	50.1019	50.5561	49.5546
Cr 267.716	100.493	100.503	100.051

Label	Replicates Concentration		
Cu 324.754	111.529	110.280	113.016
Fe 271.441	5096.15	5098.48	5073.38
K 766.491	14078.2	14059.0	14029.0
Mg 279.078	7634.84	7639.03	7618.25
Mn 257.610	535.327	534.027	532.206
Mo 202.032	99.2523	98.9740	100.281
Na 330.237	46745.9	46980.3	47156.7
Ni 231.604	101.452	100.357	101.643
Pb 220.353	492.012	485.953	483.911
Sb 206.834	51.3795	51.1023	46.1004
Se 196.026	87.8491	101.050	97.7728
Sn 189.925	196.859	195.801	191.793
Sr 216.596	160.108	159.552	159.577
Ti 334.941	99.1814	99.1313	99.1112
Tl 190.794	39.3897	37.7386	39.8863
V 292.401	100.306	100.318	99.9450
Zn 206.200	121.186	121.743	119.851

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	50.3829	ppb	0.1508	0.3	3935.74
Al 308.215	4875.96	ppb	3.8951	0.1	33223.1
As 188.980	96.0551	ppb	3.9261	4.1	51.4169
B 249.678	323.674	ppb	0.6135	0.2	4972.00
Ba 389.178	106.557	ppb	0.3244	0.3	2145.52
Be 313.042	50.7635	ppb	0.1007	0.2	83098.8
Ca 370.602	19052	ppb	101.9	0.5	45962
Cd 226.502	49.9084	ppb	0.1124	0.2	1893.27
Co 228.615	50.0708	ppb	0.5015	1.0	523.346
Cr 267.716	100.349	ppb	0.2579	0.3	5081.08
Cu 324.754	111.608	ppb	1.3694	1.2	8294.65
Fe 271.441	5089.33	ppb	13.8694	0.3	7258.95
K 766.491	14055.4	ppb	24.8118	0.2	624175
Mg 279.078	7630.71	ppb	10.9879	0.1	18874.4
Mn 257.610	533.853	ppb	1.5679	0.3	112904
Mo 202.032	99.5025	ppb	0.6886	0.7	634.467
Na 330.237	46961.0	ppb	206.089	0.4	2504.67
Ni 231.604	101.151	ppb	0.6939	0.7	274.901
Pb 220.353	487.292	ppb	4.2131	0.9	705.194
Sb 206.834	49.5274	ppb	2.9711	6.0	70.1331
Se 196.026	95.5572	ppb	6.8736	7.2	40.5914
Sn 189.925	194.817	ppb	2.6719	1.4	125.335
Sr 216.596	159.746	ppb	0.3143	0.2	1754.12
Ti 334.941	99.1413	ppb	0.0361	0.0	28178.6
Tl 190.794	39.0049	ppb	1.1243	2.9	32.9566
V 292.401	100.190	ppb	0.2120	0.2	2583.04
Zn 206.200	120.926	ppb	0.9721	0.8	109.696

680-106124-a-3-a (Samp) **10/13/2014, 4:08:56 PM** **Rack 1, Tube 28**

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

Label	Replicates Concentration		
Ag 328.068	0.1681	-0.0898u	-0.0162u
Al 308.215	29.9598	30.0019	31.3490
As 188.980	-0.9117u	3.3627	-2.9186u

Label	Replicates Concentration		
B 249.678	138.181	138.695	138.564
Ba 389.178	8.0497	9.2198	8.3858
Be 313.042	-0.0273u	-0.0214u	-0.0171u
Ca 370.602	14460	14493	14585
Cd 226.502	0.2238	0.3249	0.2007
Co 228.615	1.0447	0.4076	0.1761
Cr 267.716	0.5627	0.7016	0.6723
Cu 324.754	10.3376	10.0722	10.6985
Fe 271.441	156.677	156.233	159.595
K 766.491	9271.79	9244.92	9259.41
Mg 279.078	2926.26	2932.03	2932.62
Mn 257.610	23.8434	23.8426	23.8603
Mo 202.032	1.2739	1.6501	1.7330
Na 330.237	43547.5	43328.1	43144.4
Ni 231.604	3.1419	2.1646	3.8257
Pb 220.353	2.6378	1.4346	-0.2628u
Sb 206.834	3.1593	0.7479	-1.0979u
Se 196.026	8.5258	4.9873	7.9712
Sn 189.925	-3.3251u	-5.2628u	-0.8217u
Sr 216.596	64.5327	64.9705	65.1271
Ti 334.941	0.2097	0.1819	0.2220
Tl 190.794	-0.0502u	-2.2827u	-1.8539u
V 292.401	0.3965	0.5291	0.3620
Zn 206.200	24.3103	23.3597	23.7163

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	0.0207	ppb	0.1328	642.0	-13.2642
Al 308.215	30.4369	ppb	0.7901	2.6	720.302
As 188.980	-0.1558	ppb	3.2081	2058.6	-5.1697
B 249.678	138.480	ppb	0.2670	0.2	2151.44
Ba 389.178	8.5518	ppb	0.6024	7.0	120.066
Be 313.042	-0.0220	ppb	0.0051	23.3	-285.247
Ca 370.602	14513	ppb	64.83	0.4	35015
Cd 226.502	0.2498	ppb	0.0661	26.4	15.4022
Co 228.615	0.5428	ppb	0.4498	82.9	3.3822
Cr 267.716	0.6455	ppb	0.0732	11.3	65.2784
Cu 324.754	10.3695	ppb	0.3144	3.0	986.901
Fe 271.441	157.502	ppb	1.8262	1.2	232.679
K 766.491	9258.70	ppb	13.4470	0.1	411229
Mg 279.078	2930.30	ppb	3.5174	0.1	7259.15
Mn 257.610	23.8488	ppb	0.0100	0.0	5107.86
Mo 202.032	1.5523	ppb	0.2447	15.8	15.2616
Na 330.237	43340.0	ppb	201.808	0.5	2316.59
Ni 231.604	3.0441	ppb	0.8348	27.4	2.1289
Pb 220.353	1.2699	ppb	1.4573	114.8	2.8849
Sb 206.834	0.9364	ppb	2.1349	228.0	5.6905
Se 196.026	7.1614	ppb	1.9032	26.6	5.0525
Sn 189.925	-3.1365	ppb	2.2265	71.0	-5.4965
Sr 216.596	64.8768	ppb	0.3081	0.5	715.847
Ti 334.941	0.2045	ppb	0.0206	10.1	11.8521
Tl 190.794	-1.3956	ppb	1.1847	84.9	-6.6538
V 292.401	0.4292	ppb	0.0883	20.6	6.0082
Zn 206.200	23.7954	ppb	0.4802	2.0	22.3274

680-106124-a-3-b ms (Samp) **10/13/2014, 4:13:11 PM** **Rack 1, Tube 29**

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

Label	Replicates Concentration		
Ag 328.068	48.9247	48.5691	49.1702
Al 308.215	4714.80	4710.19	4722.10
As 188.980	92.1811	97.9958	93.1212
B 249.678	314.941	315.863	316.652
Ba 389.178	102.870	103.219	103.137
Be 313.042	49.0571	48.9762	49.1912
Ca 370.602	18470	18463	18520
Cd 226.502	48.2166	48.1761	48.3444
Co 228.615	48.4445	48.4460	48.9492
Cr 267.716	96.7788	96.7433	97.3472
Cu 324.754	107.748	107.413	108.739
Fe 271.441	4947.87	4914.49	4941.65
K 766.491	13632.1	13621.8	13653.2
Mg 279.078	7398.44	7392.55	7422.05
Mn 257.610	517.306	516.450	518.037
Mo 202.032	95.8167	96.4546	97.0772
Na 330.237	45366.2	45638.6	45241.3
Ni 231.604	98.0207	98.0590	98.1467
Pb 220.353	471.264	471.975	466.242
Sb 206.834	45.8692	45.2989	48.2847
Se 196.026	106.159	92.9855	101.251
Sn 189.925	181.959	183.014	182.738
Sr 216.596	155.461	155.186	154.726
Ti 334.941	95.7442	95.7228	95.9598
Tl 190.794	32.0301	37.3460	37.0361
V 292.401	96.8183	97.0704	97.1365
Zn 206.200	118.515	114.846	119.638

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	48.8880	ppb	0.3022	0.6	3818.58
Al 308.215	4715.70	ppb	6.0038	0.1	32148.2
As 188.980	94.4327	ppb	3.1213	3.3	50.4627
B 249.678	315.819	ppb	0.8563	0.3	4852.25
Ba 389.178	103.075	ppb	0.1823	0.2	2073.50
Be 313.042	49.0748	ppb	0.1086	0.2	80326.2
Ca 370.602	18484	ppb	30.93	0.2	44592
Cd 226.502	48.2457	ppb	0.0878	0.2	1830.43
Co 228.615	48.6132	ppb	0.2909	0.6	508.036
Cr 267.716	96.9564	ppb	0.3389	0.3	4910.39
Cu 324.754	107.967	ppb	0.6896	0.6	8031.80
Fe 271.441	4934.67	ppb	17.7502	0.4	7038.63
K 766.491	13635.7	ppb	15.9914	0.1	605543
Mg 279.078	7404.34	ppb	15.6127	0.2	18314.9
Mn 257.610	517.265	ppb	0.7945	0.2	109397
Mo 202.032	96.4495	ppb	0.6303	0.7	615.168
Na 330.237	45415.3	ppb	203.168	0.4	2422.95
Ni 231.604	98.0755	ppb	0.0646	0.1	266.350
Pb 220.353	469.827	ppb	3.1253	0.7	679.954
Sb 206.834	46.4843	ppb	1.5851	3.4	66.0795
Se 196.026	100.132	ppb	6.6576	6.6	42.4187
Sn 189.925	182.571	ppb	0.5471	0.3	117.241
Sr 216.596	155.125	ppb	0.3715	0.2	1703.42

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ti 334.941	95.8089	ppb	0.1311	0.1	27229.9
Tl 190.794	35.4707	ppb	2.9837	8.4	29.4699
V 292.401	97.0084	ppb	0.1680	0.2	2500.84
Zn 206.200	117.666	ppb	2.5066	2.1	106.763

680-106124-a-5-a (Samp) **10/13/2014, 4:17:27 PM** **Rack 1, Tube 30**

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

Label	Replicates Concentration		
Ag 328.068	0.0038u	-0.0830u	0.0679
Al 308.215	86.5162	87.0463	86.3811
As 188.980	-2.9244u	-4.2225u	-1.6042u
B 249.678	144.435	145.173	144.957
Ba 389.178	28.1518	27.2105	28.1930
Be 313.042	-0.0087u	-0.0080u	-0.0134u
Ca 370.602	28699	28682	28597
Cd 226.502	1.2780	1.2683	1.3763
Co 228.615	0.6522	0.1132	0.4545
Cr 267.716	1.2706	1.3522	1.2339
Cu 324.754	4.2902	4.0842	4.0204
Fe 271.441	156.278	155.384	157.073
K 766.491	52283.9x	52281.5x	52237.4x
Mg 279.078	4227.29	4219.86	4221.84
Mn 257.610	53.0200	52.9591	52.9181
Mo 202.032	11.0989	11.2351	10.8595
Na 330.237	413884x	414630x	412415x
Ni 231.604	2.4150	1.6466	2.9696
Pb 220.353	-0.5556u	-0.0802u	-1.8844u
Sb 206.834	1.6257	2.6800	-4.0526u
Se 196.026	3.5934	7.7796	11.0983
Sn 189.925	-1.8161u	-2.1279u	-3.3159u
Sr 216.596	122.178	121.982	122.139
Ti 334.941	1.0068	0.9691	1.0925
Tl 190.794	-1.9657u	-4.3563u	-1.5924u
V 292.401	2.3881	2.6305	2.4240
Zn 206.200	32.0192	35.0247	35.3964

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.0038b	ppb	0.0757	2017.6	-16.9026
Al 308.215	86.6479b	ppb	0.3516	0.4	1097.81
As 188.980	-2.9171b	ppb	1.3092	44.9	-6.7958
B 249.678	144.855b	ppb	0.3796	0.3	2248.97
Ba 389.178	27.8518b	ppb	0.5558	2.0	518.834
Be 313.042	-0.0100b	ppb	0.0029	29.1	-301.593
Ca 370.602	28659b	ppb	54.35	0.2	69136
Cd 226.502	1.3076b	ppb	0.0597	4.6	52.9137
Co 228.615	0.4066b	ppb	0.2727	67.1	1.7547
Cr 267.716	1.2856b	ppb	0.0606	4.7	104.441
Cu 324.754	4.1316b	ppb	0.1410	3.4	537.266
Fe 271.441	156.245b	ppb	0.8449	0.5	230.891
K 766.491	52267.6xb	ppb	26.1800	0.1	2320575
Mg 279.078	4223.00b	ppb	3.8506	0.1	10456.1
Mn 257.610	52.9657b	ppb	0.0513	0.1	11267.2
Mo 202.032	11.0645b	ppb	0.1901	1.7	75.4233

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Na 330.237	413643xb	ppb	1126.56	0.3	21926.1
Ni 231.604	2.3438b	ppb	0.6644	28.3	0.1841
Pb 220.353	-0.8401b	ppb	0.9352	111.3	-0.1724
Sb 206.834	0.0843b	ppb	3.6213	4293.5	4.4057
Se 196.026	7.4904b	ppb	3.7608	50.2	5.1900
Sn 189.925	-2.4200b	ppb	0.7914	32.7	-4.9187
Sr 216.596	122.099b	ppb	0.1037	0.1	1344.85
Ti 334.941	1.0228b	ppb	0.0632	6.2	217.723
Tl 190.794	-2.6381b	ppb	1.4996	56.8	-7.8976
V 292.401	2.4808b	ppb	0.1308	5.3	55.0516
Zn 206.200	34.1468b	ppb	1.8519	5.4	31.6843

680-106124-a-5-b ms (Samp) **10/13/2014, 4:21:43 PM** **Rack 1, Tube 31**

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

Label	Replicates Concentration		
Ag 328.068	52.8942	53.2561	53.0186
Al 308.215	5259.55	5258.29	5262.26
As 188.980	104.455	97.5848	101.541
B 249.678	336.435	337.594	338.447
Ba 389.178	126.499	126.057	126.818
Be 313.042	51.8605	51.7652	51.8597
Ca 370.602	32205	32232	32383
Cd 226.502	51.4507	51.5691	51.4691
Co 228.615	50.1248	49.5886	50.6640
Cr 267.716	101.070	101.227	101.777
Cu 324.754	108.926	108.602	108.994
Fe 271.441	5103.30	5104.15	5098.96
K 766.491	56032.7x	55985.3x	55913.4x
Mg 279.078	8865.15	8881.77	8893.59
Mn 257.610	563.406	563.638	564.751
Mo 202.032	109.470	109.646	109.604
Na 330.237	403057x	401580x	403750x
Ni 231.604	101.589	98.6242	101.386
Pb 220.353	483.577	478.155	490.832
Sb 206.834	49.8904	50.2190	53.7215
Se 196.026	109.321	103.650	114.143
Sn 189.925	193.063	191.730	191.174
Sr 216.596	216.065	216.057	216.381
Ti 334.941	100.880	100.888	100.621
Tl 190.794	34.8433	33.6341	34.7903
V 292.401	103.680	103.615	103.344
Zn 206.200	132.201	132.938	135.133

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	53.0563b	ppb	0.1839	0.3	4143.70
Al 308.215	5260.04b	ppb	2.0248	0.0	35798.5
As 188.980	101.194b	ppb	3.4483	3.4	54.4407
B 249.678	337.492b	ppb	1.0097	0.3	5183.31
Ba 389.178	126.458b	ppb	0.3821	0.3	2556.62
Be 313.042	51.8284b	ppb	0.0548	0.1	84813.0
Ca 370.602	32274b	ppb	95.75	0.3	77851
Cd 226.502	51.4963b	ppb	0.0637	0.1	1950.76
Co 228.615	50.1258b	ppb	0.5377	1.1	523.730

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Cr 267.716	101.358b	ppb	0.3711	0.4	5138.51
Cu 324.754	108.841b	ppb	0.2092	0.2	8095.35
Fe 271.441	5102.13b	ppb	2.7852	0.1	7277.23
K 766.491	55977.2xb	ppb	60.0533	0.1	2485256
Mg 279.078	8880.17b	ppb	14.2888	0.2	21964.3
Mn 257.610	563.932b	ppb	0.7193	0.1	119266
Mo 202.032	109.573b	ppb	0.0917	0.1	698.160
Na 330.237	402796xb	ppb	1108.10	0.3	21348.0
Ni 231.604	100.533b	ppb	1.6564	1.6	273.187
Pb 220.353	484.188b	ppb	6.3607	1.3	700.693
Sb 206.834	51.2769b	ppb	2.1234	4.1	72.3094
Se 196.026	109.038b	ppb	5.2519	4.8	45.9960
Sn 189.925	191.989b	ppb	0.9708	0.5	123.566
Sr 216.596	216.167b	ppb	0.1850	0.1	2374.14
Ti 334.941	100.796b	ppb	0.1519	0.2	28623.7
Tl 190.794	34.4226b	ppb	0.6834	2.0	28.4064
V 292.401	103.546b	ppb	0.1779	0.2	2666.01
Zn 206.200	133.424b	ppb	1.5251	1.1	120.991

680-106124-a-6-a (Samp) **10/13/2014, 4:25:58 PM** **Rack 1, Tube 32**

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

Label	Replicates Concentration		
Ag 328.068	-0.1537u	-0.1509u	-0.2065u
Al 308.215	84.0899	84.4699	85.4365
As 188.980	-6.7955u	2.6740	-2.1872u
B 249.678	141.421	140.668	140.237
Ba 389.178	26.7320	26.7011	26.5347
Be 313.042	-0.0140u	-0.0185u	-0.0136u
Ca 370.602	27663	27784	27710
Cd 226.502	1.2784	1.1138	1.2639
Co 228.615	0.5082	1.1346	0.3068
Cr 267.716	1.3544	1.1433	1.3428
Cu 324.754	4.3016	4.0853	4.1149
Fe 271.441	148.860	149.475	151.856
K 766.491	50684.4x	50555.4x	50509.9x
Mg 279.078	4105.55	4115.06	4113.90
Mn 257.610	50.8992	51.1264	50.8015
Mo 202.032	11.2589	10.3156	9.9888
Na 330.237	400067x	400119x	397715x
Ni 231.604	3.1444	2.6600	4.0367
Pb 220.353	-0.8951u	-1.8846u	0.6432
Sb 206.834	2.3519	-3.3119u	-2.7784u
Se 196.026	0.7867	3.8654	13.8323
Sn 189.925	-0.5566u	1.1974	-2.4177u
Sr 216.596	119.232	118.793	117.965
Ti 334.941	1.0450	0.9438	1.0033
Tl 190.794	-1.9516u	-8.5108u	-2.6543u
V 292.401	2.7158	2.7445	2.5298
Zn 206.200	33.9330	33.7442	32.6022

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.1703b	ppb	0.0313	18.4	-29.8662
Al 308.215	84.6655b	ppb	0.6943	0.8	1084.51

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
As 188.980	-2.1029b	ppb	4.7353	225.2	-6.3168
B 249.678	140.775b	ppb	0.5993	0.4	2186.60
Ba 389.178	26.6560b	ppb	0.1061	0.4	494.085
Be 313.042	-0.0154b	ppb	0.0027	17.7	-309.014
Ca 370.602	27719b	ppb	60.94	0.2	66868
Cd 226.502	1.2187b	ppb	0.0911	7.5	49.6493
Co 228.615	0.6499b	ppb	0.4317	66.4	4.3176
Cr 267.716	1.2801b	ppb	0.1187	9.3	103.885
Cu 324.754	4.1673b	ppb	0.1173	2.8	539.815
Fe 271.441	150.064b	ppb	1.5821	1.1	222.130
K 766.491	50583.2xb	ppb	90.5037	0.2	2245797
Mg 279.078	4111.50b	ppb	5.1895	0.1	10180.4
Mn 257.610	50.9423b	ppb	0.1667	0.3	10839.0
Mo 202.032	10.5211b	ppb	0.6595	6.3	71.9863
Na 330.237	399301xb	ppb	1373.11	0.3	21166.6
Ni 231.604	3.2804b	ppb	0.6984	21.3	2.7844
Pb 220.353	-0.7122b	ppb	1.2738	178.9	0.0129
Sb 206.834	-1.2461b	ppb	3.1274	251.0	2.6415
Se 196.026	6.1615b	ppb	6.8191	110.7	4.6574
Sn 189.925	-0.5923b	ppb	1.8078	305.2	-3.7148
Sr 216.596	118.663b	ppb	0.6430	0.5	1307.05
Ti 334.941	0.9974b	ppb	0.0509	5.1	211.448
Tl 190.794	-4.3723b	ppb	3.6013	82.4	-9.6121
V 292.401	2.6634b	ppb	0.1166	4.4	59.9771
Zn 206.200	33.4264b	ppb	0.7201	2.2	31.0331

680-106124-a-6-b ms (Samp) **10/13/2014, 4:30:15 PM** **Rack 1, Tube 33**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Replicates Concentration		
Ag 328.068	52.0092	51.8444	52.4063
Al 308.215	5133.55	5135.22	5144.93
As 188.980	100.017	99.2905	98.3019
B 249.678	323.728	324.835	326.211
Ba 389.178	123.701	122.844	123.359
Be 313.042	50.8215	50.8599	50.9286
Ca 370.602	30680	30692	30597
Cd 226.502	50.5751	50.6175	50.7189
Co 228.615	49.0169	49.5306	49.2993
Cr 267.716	99.8321	99.9481	99.8170
Cu 324.754	106.761	106.767	107.414
Fe 271.441	4996.51	5006.59	5005.17
K 766.491	52556.5x	52605.5x	52777.7x
Mg 279.078	8549.71	8550.62	8565.43
Mn 257.610	550.605	551.170	551.392
Mo 202.032	107.265	105.937	106.764
Na 330.237	377336x	378687x	379080x
Ni 231.604	99.5397	99.8919	98.5446
Pb 220.353	479.012	479.126	472.372
Sb 206.834	48.3463	46.7701	48.9819
Se 196.026	103.088	109.339	112.185
Sn 189.925	183.355	186.294	183.821
Sr 216.596	207.225	208.209	208.171
Ti 334.941	98.6301	98.7618	98.8975

Label	Replicates Concentration		
Tl 190.794	36.0068	42.1930	30.7635
V 292.401	100.933	101.711	101.676
Zn 206.200	130.720	130.796	131.525

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	52.0867b	ppb	0.2889	0.6	4067.91
Al 308.215	5137.90b	ppb	6.1463	0.1	34979.3
As 188.980	99.2033b	ppb	0.8611	0.9	53.2699
B 249.678	324.925b	ppb	1.2440	0.4	4991.40
Ba 389.178	123.302b	ppb	0.4311	0.3	2491.19
Be 313.042	50.8700b	ppb	0.0542	0.1	83241.5
Ca 370.602	30656b	ppb	51.69	0.2	73951
Cd 226.502	50.6372b	ppb	0.0739	0.1	1918.35
Co 228.615	49.2823b	ppb	0.2573	0.5	514.896
Cr 267.716	99.8657b	ppb	0.0718	0.1	5062.96
Cu 324.754	106.981b	ppb	0.3751	0.4	7961.03
Fe 271.441	5002.76b	ppb	5.4569	0.1	7135.68
K 766.491	52646.6xb	ppb	116.172	0.2	2337398
Mg 279.078	8555.25b	ppb	8.8250	0.1	21160.9
Mn 257.610	551.056b	ppb	0.4057	0.1	116543
Mo 202.032	106.655b	ppb	0.6705	0.6	679.710
Na 330.237	378368xb	ppb	915.033	0.2	20054.4
Ni 231.604	99.3254b	ppb	0.6988	0.7	269.826
Pb 220.353	476.837b	ppb	3.8671	0.8	690.074
Sb 206.834	48.0327b	ppb	1.1387	2.4	68.0116
Se 196.026	108.204b	ppb	4.6535	4.3	45.6586
Sn 189.925	184.490b	ppb	1.5793	0.9	118.603
Sr 216.596	207.869b	ppb	0.5573	0.3	2282.99
Ti 334.941	98.7631b	ppb	0.1337	0.1	28046.4
Tl 190.794	36.3211b	ppb	5.7212	15.8	30.2959
V 292.401	101.440b	ppb	0.4397	0.4	2611.89
Zn 206.200	131.013b	ppb	0.4444	0.3	118.820

680-106124-a-6-c msd (Samp) **10/13/2014, 4:34:31 PM** **Rack 1, Tube 34**

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

Label	Replicates Concentration		
Ag 328.068	54.8201	54.6644	54.8613
Al 308.215	5430.80	5434.21	5424.99
As 188.980	112.330	104.878	108.342
B 249.678	345.666	347.907	347.369
Ba 389.178	128.902	130.555	128.817
Be 313.042	53.5749	53.5402	53.4813
Ca 370.602	32778	32817	32810
Cd 226.502	53.1340	53.3905	52.9922
Co 228.615	51.6126	52.2014	51.6521
Cr 267.716	104.678	105.136	104.985
Cu 324.754	113.092	112.611	112.797
Fe 271.441	5267.81	5264.82	5268.23
K 766.491	56549.2x	56598.6x	56655.5x
Mg 279.078	9072.85	9086.18	9066.77
Mn 257.610	580.033	581.632	580.785
Mo 202.032	112.252	112.876	113.823
Na 330.237	408029x	410530x	406073x

Label	Replicates Concentration		
Ni 231.604	103.705	102.578	104.301
Pb 220.353	500.600	500.396	497.740
Sb 206.834	52.9597	53.4062	48.9835
Se 196.026	103.155	109.787	115.993
Sn 189.925	202.344	198.799	194.885
Sr 216.596	220.111	221.235	220.428
Ti 334.941	104.021	103.949	103.653
Tl 190.794	32.9743	38.2670	36.7508
V 292.401	106.421	107.054	106.421
Zn 206.200	137.103	141.212	136.236

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	54.7820b	ppb	0.1038	0.2	4279.03
Al 308.215	5430.00b	ppb	4.6626	0.1	36938.5
As 188.980	108.516b	ppb	3.7290	3.4	58.7478
B 249.678	346.980b	ppb	1.1701	0.3	5327.98
Ba 389.178	129.425b	ppb	0.9796	0.8	2618.00
Be 313.042	53.5321b	ppb	0.0473	0.1	87609.6
Ca 370.602	32802b	ppb	21.02	0.1	79124
Cd 226.502	53.1722b	ppb	0.2018	0.4	2014.10
Co 228.615	51.8220b	ppb	0.3291	0.6	541.525
Cr 267.716	104.933b	ppb	0.2337	0.2	5318.46
Cu 324.754	112.833b	ppb	0.2428	0.2	8383.52
Fe 271.441	5266.95b	ppb	1.8584	0.0	7512.02
K 766.491	56601.1xb	ppb	53.2227	0.1	2512955
Mg 279.078	9075.27b	ppb	9.9266	0.1	22446.5
Mn 257.610	580.817b	ppb	0.8001	0.1	122835
Mo 202.032	112.984b	ppb	0.7912	0.7	719.720
Na 330.237	408211xb	ppb	2233.84	0.5	21634.5
Ni 231.604	103.528b	ppb	0.8753	0.8	281.515
Pb 220.353	499.579b	ppb	1.5958	0.3	722.932
Sb 206.834	51.7832b	ppb	2.4348	4.7	72.9727
Se 196.026	109.645b	ppb	6.4199	5.9	46.2436
Sn 189.925	198.676b	ppb	3.7307	1.9	127.987
Sr 216.596	220.591b	ppb	0.5796	0.3	2422.60
Ti 334.941	103.874b	ppb	0.1952	0.2	29499.7
Tl 190.794	35.9974b	ppb	2.7256	7.6	29.9504
V 292.401	106.632b	ppb	0.3658	0.3	2745.60
Zn 206.200	138.184b	ppb	2.6580	1.9	125.279

640-49387-m-1-a (Samp) **10/13/2014, 4:38:48 PM** **Rack 1, Tube 35**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Replicates Concentration		
Ag 328.068	-0.0679u	0.3925	0.0036u
Al 308.215	925.946	926.820	925.974
As 188.980	4.3427	3.3209	11.5311
B 249.678	78.2001	77.3069	76.5743
Ba 389.178	23.8920	24.6192	24.1520
Be 313.042	0.0184	0.0102	0.0197
Ca 370.602	6107	6102	6089
Cd 226.502	0.2173	0.1706	0.0810
Co 228.615	0.6968	0.1845	0.7079
Cr 267.716	64.6151	64.7351	64.5010

Label	Replicates Concentration		
Cu 324.754	1.7303	1.7219	1.8603
Fe 271.441	1518.48	1516.90	1524.51
K 766.491	4377.50	4395.34	4384.88
Mg 279.078	1457.60	1455.77	1454.25
Mn 257.610	135.137	135.148	134.697
Mo 202.032	17.3826	17.0862	17.2108
Na 330.237	155440x	156565x	156259x
Ni 231.604	2.7548	4.6945	2.6068
Pb 220.353	-0.4234u	-1.5099u	0.0917
Sb 206.834	2.9081	-1.4444u	2.5426
Se 196.026	8.0113	10.7537	11.4875
Sn 189.925	-2.2086u	-0.2508u	-4.4080u
Sr 216.596	26.8294	26.7441	26.6817
Ti 334.941	7.5987	7.5992	7.6649
Tl 190.794	-0.2901u	1.5214	-2.9775u
V 292.401	32.3509	32.3595	32.1451
Zn 206.200	17.5782	19.8995	19.8190

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	0.1094b	ppb	0.2477	226.4	-4.6604
Al 308.215	926.247b	ppb	0.4963	0.1	6731.21
As 188.980	6.3982b	ppb	4.4744	69.9	-1.3179
B 249.678	77.3604b	ppb	0.8142	1.1	1214.42
Ba 389.178	24.2211b	ppb	0.3685	1.5	441.363
Be 313.042	0.0161b	ppb	0.0051	32.0	-237.080
Ca 370.602	6099b	ppb	8.995	0.1	14715
Cd 226.502	0.1563b	ppb	0.0693	44.3	16.7095
Co 228.615	0.5297b	ppb	0.2990	56.5	3.2085
Cr 267.716	64.6171b	ppb	0.1171	0.2	3284.29
Cu 324.754	1.7708b	ppb	0.0776	4.4	367.360
Fe 271.441	1519.96b	ppb	4.0166	0.3	2172.32
K 766.491	4385.91b	ppb	8.9595	0.2	194906
Mg 279.078	1455.88b	ppb	1.6766	0.1	3609.74
Mn 257.610	134.994b	ppb	0.2572	0.2	28581.3
Mo 202.032	17.2265b	ppb	0.1488	0.9	114.308
Na 330.237	156088xb	ppb	581.442	0.4	8286.99
Ni 231.604	3.3520b	ppb	1.1650	34.8	3.0890
Pb 220.353	-0.6139b	ppb	0.8176	133.2	0.1126
Sb 206.834	1.3354b	ppb	2.4143	180.8	6.6878
Se 196.026	10.0841b	ppb	1.8323	18.2	6.2558
Sn 189.925	-2.2892b	ppb	2.0798	90.9	-4.9047
Sr 216.596	26.7517b	ppb	0.0741	0.3	298.249
Ti 334.941	7.6209b	ppb	0.0381	0.5	2111.39
Tl 190.794	-0.5821b	ppb	2.2636	388.9	-5.9648
V 292.401	32.2851b	ppb	0.1214	0.4	828.738
Zn 206.200	19.0989b	ppb	1.3176	6.9	17.8633

640-49387-l-2-a (Samp) **10/13/2014, 4:43:06 PM** **Rack 1, Tube 36**

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

Label	Replicates Concentration		
Ag 328.068	0.2637	-0.0909u	-0.0375u
Al 308.215	175.115	176.132	175.392
As 188.980	6.4726	3.9318	8.2092

Label	Replicates Concentration		
B 249.678	61.9752	61.8085	61.0937
Ba 389.178	11.8855	11.3591	11.8640
Be 313.042	-0.0124u	-0.0199u	-0.0180u
Ca 370.602	17876	17840	17772
Cd 226.502	0.3221	0.0844	0.0348
Co 228.615	0.2505	0.7138	0.6532
Cr 267.716	10.6722	10.3956	10.5917
Cu 324.754	1.3734	1.0182	0.8370
Fe 271.441	188.097	187.878	184.871
K 766.491	2603.98	2607.48	2597.58
Mg 279.078	2339.67	2352.61	2344.67
Mn 257.610	53.1619	53.2573	53.1089
Mo 202.032	2.6861	2.2116	1.9804
Na 330.237	265570x	266671x	266656x
Ni 231.604	2.2010	1.9544	2.1513
Pb 220.353	-1.6500u	-0.6281u	-1.0604u
Sb 206.834	0.5319	2.8436	-4.0867u
Se 196.026	1.6930	0.4691	-3.9039u
Sn 189.925	-1.9840u	-2.9466u	-1.7056u
Sr 216.596	39.6412	39.9586	39.3903
Ti 334.941	0.4610	0.4400	0.4835
Tl 190.794	-6.4665u	0.9571	-4.7461u
V 292.401	5.4193	4.9195	5.1563
Zn 206.200	13.8728	16.1123	13.2808

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	0.0451b	ppb	0.1912	424.0	-10.4204
Al 308.215	175.546b	ppb	0.5257	0.3	1693.51
As 188.980	6.2045b	ppb	2.1512	34.7	-1.4273
B 249.678	61.6258b	ppb	0.4683	0.8	976.704
Ba 389.178	11.7029b	ppb	0.2979	2.5	184.174
Be 313.042	-0.0168b	ppb	0.0039	23.3	-297.646
Ca 370.602	17829b	ppb	52.84	0.3	43015
Cd 226.502	0.1471b	ppb	0.1536	104.4	10.4429
Co 228.615	0.5392b	ppb	0.2519	46.7	3.3506
Cr 267.716	10.5532b	ppb	0.1422	1.3	567.628
Cu 324.754	1.0762b	ppb	0.2729	25.4	316.480
Fe 271.441	186.948b	ppb	1.8026	1.0	274.637
K 766.491	2603.02b	ppb	5.0204	0.2	115756
Mg 279.078	2345.65b	ppb	6.5239	0.3	5812.41
Mn 257.610	53.1761b	ppb	0.0752	0.1	11298.4
Mo 202.032	2.2927b	ppb	0.3598	15.7	19.9383
Na 330.237	266299xb	ppb	631.646	0.2	14123.8
Ni 231.604	2.1023b	ppb	0.1304	6.2	-0.4842
Pb 220.353	-1.1128b	ppb	0.5130	46.1	-0.5518
Sb 206.834	-0.2371b	ppb	3.5286	1488.3	4.2246
Se 196.026	-0.5806b	ppb	2.9424	506.8	1.9583
Sn 189.925	-2.2120b	ppb	0.6512	29.4	-4.8226
Sr 216.596	39.6634b	ppb	0.2848	0.7	442.017
Ti 334.941	0.4615b	ppb	0.0217	4.7	66.3737
Tl 190.794	-3.4185b	ppb	3.8858	113.7	-8.6425
V 292.401	5.1650b	ppb	0.2500	4.8	126.946
Zn 206.200	14.4219b	ppb	1.4935	10.4	13.8255

Cont Calib Verif (CCV) **10/13/2014, 4:47:22 PM** **Rack 1, Tube 37**

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

Label	Replicates Concentration		
Ag 328.068	521.040	518.939	519.781
Al 308.215	5030.01	4991.55	5032.12
As 188.980	486.952	492.523	502.130
B 249.678	504.375	508.611	511.557
Ba 389.178	5089.77	5088.56	5091.54
Be 313.042	507.077	507.864	507.997
Ca 370.602	5056	5064	5053
Cd 226.502	514.418	514.854	514.827
Co 228.615	516.070	514.620	515.916
Cr 267.716	5074.56	5071.01	5072.14
Cu 324.754	5176.29	5225.24	5213.50
Fe 271.441	5081.98	5092.31	5084.63
K 766.491	10278.4	10266.0	10286.1
Mg 279.078	5079.12	5083.12	5080.27
Mn 257.610	5173.87	5202.07	5184.29
Mo 202.032	505.726	506.480	503.364
Na 330.237	7699.86	7908.40	7890.42
Ni 231.604	2599.11	2600.04	2596.81
Pb 220.353	515.932	507.171	516.252
Sb 206.834	986.414	983.728	995.184
Se 196.026	5030.38	5051.90	5016.22
Sn 189.925	5076.03	5130.71	5061.80
Sr 216.596	2566.18	2565.36	2566.60
Ti 334.941	504.154	503.954	504.060
Tl 190.794	5155.18	5170.76	5160.48
V 292.401	5057.17	5054.76	5055.92
Zn 206.200	2539.63	2544.79	2544.92

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Ag 328.068	519.920	ppb	1.0571	0.2	40721.5	103.98403
Al 308.215	5017.89	ppb	22.8370	0.5	34686.7	100.35783
As 188.980	493.868	ppb	7.6779	1.6	285.325	98.77361
B 249.678	508.181	ppb	3.6105	0.7	7804.74	101.63618
Ba 389.178	5089.96	ppb	1.4993	0.0	104679	101.79912
Be 313.042	507.646	ppb	0.4970	0.1	833505	101.52924
Ca 370.602	5058	ppb	5.468	0.1	12497	101.15266
Cd 226.502	514.700	ppb	0.2446	0.0	19284.1	102.93996
Co 228.615	515.536	ppb	0.7965	0.2	5416.42	103.10712
Cr 267.716	5072.57	ppb	1.8121	0.0	255021	101.45145
Cu 324.754	5205.01	ppb	25.5583	0.5	375667	104.10020
Fe 271.441	5086.31	ppb	5.3648	0.1	7351.22	101.72614
K 766.491	10276.8	ppb	10.1401	0.1	456427	102.76807
Mg 279.078	5080.84	ppb	2.0622	0.0	12479.8	101.61677
Mn 257.610	5186.75	ppb	14.2581	0.3	1095882	103.73490
Mo 202.032	505.190	ppb	1.6257	0.3	3195.36	101.03802
Na 330.237	7832.89	ppb	115.561	1.5	378.414	104.43855
Ni 231.604	2598.66	ppb	1.6633	0.1	7210.95	103.94620
Pb 220.353	513.119	ppb	5.1530	1.0	746.315	102.62370
Sb 206.834	988.442	ppb	5.9916	0.6	1369.36	98.84420
Se 196.026	5032.83	ppb	17.9640	0.4	2018.65	100.65669
Sn 189.925	5089.51	ppb	36.3805	0.7	3360.30	101.79022
Sr 216.596	2566.05	ppb	0.6280	0.0	27932.9	102.64192

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Ti 334.941	504.056	ppb	0.1000	0.0	143419	100.81120
Tl 190.794	5162.14	ppb	7.9187	0.2	5114.42	103.24275
V 292.401	5055.95	ppb	1.2061	0.0	131159	101.11904
Zn 206.200	2543.12	ppb	3.0168	0.1	2286.69	101.72466

Cont Calib Blank (CCB) **10/13/2014, 4:51:37 PM** **Rack 1, Tube 38**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Replicates Concentration		
Ag 328.068	0.2055	0.1565	0.2654
Al 308.215	-5.0494u	-4.9196u	-5.0133u
As 188.980	1.3715	6.0630	1.8063
B 249.678	10.0846	9.2618	7.9682
Ba 389.178	-0.3898u	0.1606	0.2549
Be 313.042	-0.0056u	-0.0107u	-0.0134u
Ca 370.602	4.376	1.149	0.8360
Cd 226.502	0.3257	0.3647	0.2391
Co 228.615	0.9858	0.3746	0.2332
Cr 267.716	0.3568	0.2174	0.3393
Cu 324.754	0.3958	0.4401	0.4203
Fe 271.441	-5.1992u	-1.5271u	2.8752
K 766.491	1.2505	0.9446	0.8662
Mg 279.078	0.4803	0.8103	3.3765
Mn 257.610	0.2065	0.1361	0.1574
Mo 202.032	0.3872	0.1467	0.3913
Na 330.237	67.2030	44.8577	69.9919
Ni 231.604	1.0919	-0.3643u	1.2465
Pb 220.353	2.6652	1.8179	1.0257
Sb 206.834	0.3625	1.1172	1.9658
Se 196.026	0.5292	2.8820	4.0360
Sn 189.925	-3.7012u	0.6197	-2.5526u
Sr 216.596	0.1619	-0.1468u	0.0356
Ti 334.941	0.0745	0.0549	0.0538
Tl 190.794	5.6846	2.2428	-1.2318u
V 292.401	0.2309	0.1823	0.4610
Zn 206.200	1.5044	-0.9758u	1.4393

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Ag 328.068	0.2091	ppb	0.0545	26.1	3.5633	0.20913
Al 308.215	-4.9941	ppb	0.0670	1.3	482.461	-4.99410
As 188.980	3.0803	ppb	2.5922	84.2	-3.2652	3.08029
B 249.678	9.1049	ppb	1.0669	11.7	174.434	9.10486
Ba 389.178	0.0085	ppb	0.3482	4074.3	-59.5383	0.00855
Be 313.042	-0.0099	ppb	0.0040	40.1	-265.062	-0.00989
Ca 370.602	2.120	ppb	1.959	92.4	18.95	2.12031
Cd 226.502	0.3098	ppb	0.0643	20.7	17.2281	0.30985
Co 228.615	0.5312	ppb	0.4000	75.3	3.2715	0.53120
Cr 267.716	0.3045	ppb	0.0759	24.9	47.1549	0.30449
Cu 324.754	0.4187	ppb	0.0222	5.3	268.965	0.41875
Fe 271.441	-1.2837	ppb	4.0427	314.9	6.6509	-1.28374
K 766.491	1.0204	ppb	0.2031	19.9	242.068	1.02042
Mg 279.078	1.5557	ppb	1.5854	101.9	15.3016	1.55570
Mn 257.610	0.1667	ppb	0.0361	21.6	82.4369	0.16666
Mo 202.032	0.3084	ppb	0.1400	45.4	7.4012	0.30841

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Na 330.237	60.6842	ppb	13.7769	22.7	25.2560	60.68422
Ni 231.604	0.6580	ppb	0.8888	135.1	-4.5102	0.65803
Pb 220.353	1.8363	ppb	0.8199	44.7	3.7107	1.83625
Sb 206.834	1.1485	ppb	0.8021	69.8	5.9852	1.14849
Se 196.026	2.4824	ppb	1.7872	72.0	3.1728	2.48238
Sn 189.925	-1.8780	ppb	2.2380	119.2	-4.6768	-1.87802
Sr 216.596	0.0169	ppb	0.1552	919.6	3.1151	0.01688
Ti 334.941	0.0611	ppb	0.0117	19.1	-30.6222	0.06107
Tl 190.794	2.2319	ppb	3.4582	154.9	-3.0515	2.23186
V 292.401	0.2914	ppb	0.1489	51.1	2.8639	0.29139
Zn 206.200	0.6560	ppb	1.4135	215.5	1.4137	0.65596

640-49387-m-3-a (Samp) **10/13/2014, 4:55:52 PM** **Rack 1, Tube 39**

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

Label	Replicates Concentration		
Ag 328.068	-0.0589u	-0.0309u	0.0695
Al 308.215	29.5744	27.3477	27.4753
As 188.980	1.3822	-1.3646u	-1.7078u
B 249.678	27.6264	27.9046	27.3412
Ba 389.178	42.3556	41.4707	41.4041
Be 313.042	0.0051u	-0.0021u	0.0035u
Ca 370.602	3888	3872	3876
Cd 226.502	0.2280	0.4326	0.1223
Co 228.615	1.7719	0.0977	0.9106
Cr 267.716	6.1077	5.8219	5.6901
Cu 324.754	4.4400	4.0194	4.0952
Fe 271.441	125.060	124.332	123.420
K 766.491	1094.11	1091.95	1088.14
Mg 279.078	2068.65	2071.52	2073.96
Mn 257.610	28.9320	28.8930	29.0763
Mo 202.032	4.0704	4.7314	4.1933
Na 330.237	605154x	604445x	603146x
Ni 231.604	2.8959	4.4058	2.5799
Pb 220.353	0.3831	0.2102	-0.4686u
Sb 206.834	-1.5073u	-1.5566u	-1.3313u
Se 196.026	5.1656	11.4295	5.9736
Sn 189.925	-6.4754u	-5.0662u	-4.6053u
Sr 216.596	24.1461	24.2680	24.0281
Ti 334.941	0.3208	0.2612	0.3212
Tl 190.794	-0.4829u	-3.1558u	-2.7097u
V 292.401	1.6159	2.0940	1.8702
Zn 206.200	14.8131	13.5669	15.4290

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.0068b	ppb	0.0675	995.7	-14.0555
Al 308.215	28.1325b	ppb	1.2504	4.4	705.077
As 188.980	-0.5634b	ppb	1.6937	300.6	-5.4100
B 249.678	27.6240b	ppb	0.2817	1.0	457.173
Ba 389.178	41.7435b	ppb	0.5312	1.3	801.825
Be 313.042	0.0022b	ppb	0.0038	176.3	-305.380
Ca 370.602	3879b	ppb	8.478	0.2	9368
Cd 226.502	0.2610b	ppb	0.1578	60.4	12.5439
Co 228.615	0.9267b	ppb	0.8372	90.3	7.3474

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Cr 267.716	5.8732b	ppb	0.2135	3.6	338.519
Cu 324.754	4.1848b	ppb	0.2242	5.4	540.836
Fe 271.441	124.270b	ppb	0.8219	0.7	185.431
K 766.491	1091.40b	ppb	3.0203	0.3	48648.6
Mg 279.078	2071.37b	ppb	2.6559	0.1	5134.48
Mn 257.610	28.9671b	ppb	0.0965	0.3	6179.79
Mo 202.032	4.3317b	ppb	0.3516	8.1	32.8411
Na 330.237	604248xb	ppb	1018.17	0.2	32020.2
Ni 231.604	3.2938b	ppb	0.9758	29.6	2.8195
Pb 220.353	0.0416b	ppb	0.4502	1083.4	1.1125
Sb 206.834	-1.4651b	ppb	0.1185	8.1	2.5001
Se 196.026	7.5229b	ppb	3.4073	45.3	5.1980
Sn 189.925	-5.3823b	ppb	0.9743	18.1	-6.8228
Sr 216.596	24.1474b	ppb	0.1200	0.5	267.727
Ti 334.941	0.3011b	ppb	0.0346	11.5	-6.4267
Tl 190.794	-2.1162b	ppb	1.4319	67.7	-7.3671
V 292.401	1.8600b	ppb	0.2392	12.9	38.3101
Zn 206.200	14.6030b	ppb	0.9487	6.5	14.0037

mb 680-352988/1-a (Samp) **10/13/2014, 5:00:06 PM** **Rack 1, Tube 40**

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

Label	Replicates Concentration		
Ag 328.068	-0.1170u	-0.2514u	-0.0498u
Al 308.215	-2.2139u	-0.3794u	-2.1400u
As 188.980	-2.8455u	-2.3738u	-0.1888u
B 249.678	3.4212	3.1995	3.3410
Ba 389.178	0.6392	0.4336	0.1826
Be 313.042	-0.0167u	-0.0210u	-0.0138u
Ca 370.602	14.70	12.55	8.286
Cd 226.502	0.2918	0.1474	0.0881
Co 228.615	0.2040	0.5939	-0.1792u
Cr 267.716	0.6715	0.6632	0.7818
Cu 324.754	0.6628	0.5737	0.6063
Fe 271.441	11.2998	17.0844	14.2877
K 766.491	8.0527	8.4822	8.5654
Mg 279.078	6.8182	6.5687	5.6423
Mn 257.610	0.3239	0.3488	0.3969
Mo 202.032	-0.3814u	0.1201	-0.3795u
Na 330.237	78.7607	-57.8255u	115.213
Ni 231.604	2.2020	0.6064	0.5533
Pb 220.353	-1.4137u	1.1607	0.6043
Sb 206.834	-0.8661u	-2.2095u	-4.7265u
Se 196.026	0.5246	-0.0377u	3.5146
Sn 189.925	5.3773	5.4755	4.5905
Sr 216.596	0.0790	-0.5389u	-0.2731u
Ti 334.941	0.1898	0.2127	0.2588
Tl 190.794	1.0328	-2.7443u	0.4538
V 292.401	-0.0189u	0.0625	0.1321
Zn 206.200	1.9509	2.8676	2.6462

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.1394	ppb	0.1027	73.6	-23.7710
Al 308.215	-1.5777	ppb	1.0385	65.8	-505.327

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
As 188.980	-1.8027	ppb	1.4174	78.6	-6.1375
B 249.678	3.3206	ppb	0.1122	3.4	85.9401
Ba 389.178	0.4185	ppb	0.2286	54.6	-51.0965
Be 313.042	-0.0172	ppb	0.0036	21.0	-276.965
Ca 370.602	11.85	ppb	3.264	27.6	42.33
Cd 226.502	0.1758	ppb	0.1048	59.6	12.2668
Co 228.615	0.2062	ppb	0.3866	187.4	-0.1259
Cr 267.716	0.7055	ppb	0.0662	9.4	67.3278
Cu 324.754	0.6143	ppb	0.0451	7.3	283.054
Fe 271.441	14.2240	ppb	2.8928	20.3	28.6930
K 766.491	8.3668	ppb	0.2751	3.3	568.203
Mg 279.078	6.3431	ppb	0.6196	9.8	27.1390
Mn 257.610	0.3565	ppb	0.0371	10.4	122.618
Mo 202.032	-0.2136	ppb	0.2890	135.3	4.0991
Na 330.237	45.3827	ppb	91.2202	201.0	24.3784
Ni 231.604	1.1206	ppb	0.9369	83.6	-3.2239
Pb 220.353	0.1171	ppb	1.3546	1156.7	1.2253
Sb 206.834	-2.6007	ppb	1.9597	75.4	1.0065
Se 196.026	1.3338	ppb	1.9094	143.2	2.7130
Sn 189.925	5.1478	ppb	0.4851	9.4	-0.0334
Sr 216.596	-0.2443	ppb	0.3099	126.9	0.2762
Ti 334.941	0.2205	ppb	0.0351	15.9	14.7451
Tl 190.794	-0.4193	ppb	2.0343	485.2	-5.6769
V 292.401	0.0586	ppb	0.0756	129.0	-3.1021
Zn 206.200	2.4883	ppb	0.4783	19.2	3.0688

lcs 680-352988/2-a (Samp) **10/13/2014, 5:04:22 PM** **Rack 1, Tube 41**

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

Label	Replicates Concentration		
Ag 328.068	52.6909	52.7331	52.5948
Al 308.215	5045.77	5043.15	5035.15
As 188.980	108.597	104.435	100.399
B 249.678	197.643	199.371	199.455
Ba 389.178	103.806	103.903	103.991
Be 313.042	52.9391	52.9511	52.8785
Ca 370.602	5089	5081	5069
Cd 226.502	52.7566	52.9760	52.6393
Co 228.615	52.8748	52.8262	53.1870
Cr 267.716	105.713	105.607	105.525
Cu 324.754	106.004	106.688	104.641
Fe 271.441	5213.97	5205.66	5201.65
K 766.491	5180.21	5167.07	5165.18
Mg 279.078	5103.47	5096.66	5079.19
Mn 257.610	540.534	540.629	539.049
Mo 202.032	102.979	101.895	102.373
Na 330.237	4770.32	4864.45	4805.48
Ni 231.604	104.308	105.828	104.421
Pb 220.353	522.136	518.587	520.008
Sb 206.834	47.5122	46.6579	49.4609
Se 196.026	102.972	113.951	105.869
Sn 189.925	211.640	209.352	208.812
Sr 216.596	102.362	101.072	101.724
Ti 334.941	104.606	104.568	104.434

Label	Replicates Concentration		
Tl 190.794	39.7351	37.3615	38.5569
V 292.401	104.607	104.260	104.416
Zn 206.200	105.982	104.668	104.765

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	52.6729	ppb	0.0709	0.1	4117.29
Al 308.215	5041.35	ppb	5.5322	0.1	34332.5
As 188.980	104.477	ppb	4.0994	3.9	56.3713
B 249.678	198.823	ppb	1.0225	0.5	3063.57
Ba 389.178	103.900	ppb	0.0922	0.1	2087.68
Be 313.042	52.9229	ppb	0.0389	0.1	86644.8
Ca 370.602	5079	ppb	10.23	0.2	12263
Cd 226.502	52.7907	ppb	0.1709	0.3	2001.78
Co 228.615	52.9627	ppb	0.1958	0.4	553.745
Cr 267.716	105.615	ppb	0.0941	0.1	5345.06
Cu 324.754	105.778	ppb	1.0421	1.0	7874.15
Fe 271.441	5207.09	ppb	6.2829	0.1	7426.96
K 766.491	5170.82	ppb	8.1832	0.2	229751
Mg 279.078	5093.10	ppb	12.5250	0.2	12597.5
Mn 257.610	540.071	ppb	0.8863	0.2	114199
Mo 202.032	102.416	ppb	0.5432	0.5	652.883
Na 330.237	4813.42	ppb	47.5672	1.0	273.024
Ni 231.604	104.853	ppb	0.8469	0.8	285.185
Pb 220.353	520.244	ppb	1.7865	0.3	752.824
Sb 206.834	47.8770	ppb	1.4367	3.0	67.9508
Se 196.026	107.597	ppb	5.6903	5.3	45.4150
Sn 189.925	209.935	ppb	1.5012	0.7	135.315
Sr 216.596	101.719	ppb	0.6452	0.6	1116.22
Ti 334.941	104.536	ppb	0.0902	0.1	29713.0
Tl 190.794	38.5512	ppb	1.1868	3.1	32.5022
V 292.401	104.428	ppb	0.1739	0.2	2692.96
Zn 206.200	105.138	ppb	0.7326	0.7	95.4042

680-106108-a-38-a (Samp) **10/13/2014, 5:08:37 PM** **Rack 1, Tube 42**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Replicates Concentration		
Ag 328.068	-3.1070u	-2.9807u	-3.1601u
Al 308.215	101758	101308	101373
As 188.980	19.3250	11.6650	17.4714
B 249.678	12.1327u	11.5220u	11.4230u
Ba 389.178	1383.27	1377.70	1377.81
Be 313.042	2.3995	2.3982	2.4039
Ca 370.602	24967	24930	25039
Cd 226.502	-3.3454	-3.2776	-3.5855
Co 228.615	87.3298	86.2267	86.3416
Cr 267.716	291.888	291.636	291.013
Cu 324.754	330.847	327.750	330.034
Fe 271.441	174346	173859	173969
K 766.491	73965.1x	73665.4x	73752.9x
Mg 279.078	74445.2	74300.2	74304.5
Mn 257.610	3118.45	3110.39	3113.32
Mo 202.032	4.6374	3.3808	4.8442
Na 330.237	731.972u	1077.35u	706.637u

Label	Replicates Concentration		
Ni 231.604	147.041	149.285	147.051
Pb 220.353	21.2816	27.7481	29.2112
Sb 206.834	0.7405	2.2880	-1.1901
Se 196.026	-3.3386	-3.6998	-11.2007u
Sn 189.925	13.0855	12.4004	16.1264
Sr 216.596	59.7480	59.9234	59.3435
Ti 334.941	13091.6	13063.5	13049.5
Tl 190.794	0.8749u	1.9101u	-1.4485u
V 292.401	434.703	433.548	434.936
Zn 206.200	370.659	369.374	369.344

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-3.0826b	ppb	0.0922	3.0	-269.101
Al 308.215	101480b	ppb	243.011	0.2	681067
As 188.980	16.1538b	ppb	3.9964	24.7	4.3622
B 249.678	11.6926b	ppb	0.3844	3.3	-154.543
Ba 389.178	1379.59b	ppb	3.1845	0.2	28507.3
Be 313.042	2.4006b	ppb	0.0030	0.1	3718.60
Ca 370.602	24979b	ppb	55.42	0.2	63468
Cd 226.502	-3.4028b	ppb	0.1618	4.8	577.188
Co 228.615	86.6327b	ppb	0.6064	0.7	1174.01
Cr 267.716	291.512b	ppb	0.4501	0.2	14801.6
Cu 324.754	329.544b	ppb	1.6061	0.5	24079.1
Fe 271.441	174058b	ppb	255.407	0.1	247775
K 766.491	73794.5xb	ppb	154.095	0.2	3276241
Mg 279.078	74350.0b	ppb	82.5057	0.1	183824
Mn 257.610	3114.05b	ppb	4.0786	0.1	659000
Mo 202.032	4.2875b	ppb	0.7920	18.5	24.5380
Na 330.237	838.653b	ppb	207.104	24.7	-16.1453
Ni 231.604	147.792b	ppb	1.2926	0.9	417.275
Pb 220.353	26.0803b	ppb	4.2197	16.2	21.4180
Sb 206.834	0.6128b	ppb	1.7425	284.4	13.6206
Se 196.026	-6.0797b	ppb	4.4386	73.0	1.7384
Sn 189.925	13.8708b	ppb	1.9832	14.3	5.7315
Sr 216.596	59.6716b	ppb	0.2974	0.5	845.082
Ti 334.941	13068.2b	ppb	21.4563	0.2	3719416
Tl 190.794	0.4455b	ppb	1.7200	386.1	-23.5954
V 292.401	434.396b	ppb	0.7436	0.2	11535.2
Zn 206.200	369.792b	ppb	0.7504	0.2	327.736

680-106108-a-38-aSD (Samp) **10/13/2014, 5:12:53 PM** **Rack 1, Tube 43**

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

Label	Replicates Concentration		
Ag 328.068	-0.5926u	-0.4023u	-0.4661u
Al 308.215	19834.1	19808.7	19860.5
As 188.980	0.2266	1.1504	-1.4149u
B 249.678	3.5392u	3.6121u	3.5612u
Ba 389.178	278.112	278.568	277.921
Be 313.042	0.4346	0.4402	0.4352
Ca 370.602	5036	5032	5040
Cd 226.502	-0.5253	-0.7879	-0.8512
Co 228.615	17.6025	18.1028	17.8988
Cr 267.716	58.9860	58.8618	59.1161

Label	Replicates Concentration		
Cu 324.754	64.4108	64.7822	65.4319
Fe 271.441	35398.2	35404.8	35358.5
K 766.491	14959.8	14962.4	14989.2
Mg 279.078	14927.8	14903.8	14933.1
Mn 257.610	643.884	643.830	643.500
Mo 202.032	1.1036	0.9375	0.4848
Na 330.237	119.473u	146.048u	223.519u
Ni 231.604	31.4447	31.2536	31.3755
Pb 220.353	5.4354	6.6628	4.6798
Sb 206.834	2.0696	-1.6528u	-4.1009u
Se 196.026	3.4367	1.7822	1.1112
Sn 189.925	-0.3044u	1.2055	-1.0487u
Sr 216.596	12.1630	11.5429	11.8063
Ti 334.941	2661.65	2661.73	2666.36
Tl 190.794	3.4686u	-3.3992u	2.1320u
V 292.401	87.6154	87.5212	87.6357
Zn 206.200	76.1761	74.1619	77.8236

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.4870	ppb	0.0968	19.9	-53.9192
Al 308.215	19834.4	ppb	25.8953	0.1	133533
As 188.980	-0.0126	ppb	1.2993	10301.5	-5.1046
B 249.678	3.5709	ppb	0.0374	1.0	14.9400
Ba 389.178	278.200	ppb	0.3325	0.1	5700.99
Be 313.042	0.4366	ppb	0.0031	0.7	473.363
Ca 370.602	5036	ppb	3.913	0.1	12816
Cd 226.502	-0.7215	ppb	0.1728	24.0	120.650
Co 228.615	17.8681	ppb	0.2516	1.4	239.676
Cr 267.716	58.9879	ppb	0.1272	0.2	3020.70
Cu 324.754	64.8750	ppb	0.5168	0.8	4932.47
Fe 271.441	35387.2	ppb	25.0115	0.1	50381.1
K 766.491	14970.5	ppb	16.2919	0.1	664799
Mg 279.078	14921.6	ppb	15.6266	0.1	36901.2
Mn 257.610	643.738	ppb	0.2082	0.0	136261
Mo 202.032	0.8420	ppb	0.3203	38.0	9.1450
Na 330.237	163.013	ppb	54.0576	33.2	13.8702
Ni 231.604	31.3580	ppb	0.0967	0.3	83.4251
Pb 220.353	5.5927	ppb	1.0008	17.9	5.6252
Sb 206.834	-1.2280	ppb	3.1071	253.0	4.5153
Se 196.026	2.1100	ppb	1.1969	56.7	3.4310
Sn 189.925	-0.0492	ppb	1.1486	2332.7	-3.4682
Sr 216.596	11.8374	ppb	0.3112	2.6	170.953
Ti 334.941	2663.25	ppb	2.6979	0.1	757963
Tl 190.794	0.7338	ppb	3.6411	496.2	-8.3456
V 292.401	87.5908	ppb	0.0611	0.1	2322.78
Zn 206.200	76.0539	ppb	1.8339	2.4	68.0760

680-106108-a-38-aPDS (Samp) **10/13/2014, 5:17:09 PM** **Rack 1, Tube 44**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Replicates Concentration		
Ag 328.068	99.3070	98.4537	98.7170
Al 308.215	99717.0	99640.2	99726.9
As 188.980	120.742	124.906	121.536

Label	Replicates Concentration		
B 249.678	200.826	201.785	203.629
Ba 389.178	1415.86	1417.91	1419.20
Be 313.042	100.654	100.613	100.589
Ca 370.602	33778	33719	33547
Cd 226.502	94.0942	94.2419	94.7222
Co 228.615	181.002	179.079	181.351
Cr 267.716	379.622	380.051	378.377
Cu 324.754	424.207	420.403	424.383
Fe 271.441	177790	177551	177632
K 766.491	81603.9x	81684.6x	81714.2x
Mg 279.078	82055.2	81979.2	81984.1
Mn 257.610	3985.70	3991.03	3992.47
Mo 202.032	101.404	101.650	101.658
Na 330.237	9883.61	9764.35	9741.40
Ni 231.604	239.967	238.816	243.011
Pb 220.353	121.982	127.161	115.563
Sb 206.834	94.0034	98.4186	95.2837
Se 196.026	101.309	101.824	101.202
Sn 189.925	111.577	107.155	104.866
Sr 216.596	154.201	154.148	153.680
Ti 334.941	12747.2	12750.0	12744.3
Tl 190.794	18.2456u	19.0594	21.1539
V 292.401	520.266	520.123	519.202
Zn 206.200	453.435	456.715	458.485

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	98.8259b	ppb	0.4369	0.4	7724.85
Al 308.215	99694.7b	ppb	47.4737	0.0	669121
As 188.980	122.395b	ppb	2.2110	1.8	66.7965
B 249.678	202.080b	ppb	1.4246	0.7	2749.03
Ba 389.178	1417.66b	ppb	1.6850	0.1	29302.6
Be 313.042	100.618b	ppb	0.0328	0.0	164988
Ca 370.602	33681b	ppb	120.2	0.4	84321
Cd 226.502	94.3528b	ppb	0.3283	0.3	4248.95
Co 228.615	180.477b	ppb	1.2239	0.7	2151.16
Cr 267.716	379.350b	ppb	0.8699	0.2	19220.8
Cu 324.754	422.998b	ppb	2.2485	0.5	30824.8
Fe 271.441	177658b	ppb	121.500	0.1	252910
K 766.491	81667.5xb	ppb	57.0801	0.1	3625759
Mg 279.078	82006.2b	ppb	42.4930	0.1	202746
Mn 257.610	3989.73b	ppb	3.5636	0.1	844068
Mo 202.032	101.571b	ppb	0.1443	0.1	639.602
Na 330.237	9796.46b	ppb	76.3497	0.8	456.114
Ni 231.604	240.598b	ppb	2.1676	0.9	675.116
Pb 220.353	121.569b	ppb	5.8098	4.8	159.512
Sb 206.834	95.9019b	ppb	2.2716	2.4	140.138
Se 196.026	101.445b	ppb	0.3325	0.3	45.0002
Sn 189.925	107.866b	ppb	3.4116	3.2	67.8568
Sr 216.596	154.010b	ppb	0.2864	0.2	1877.57
Ti 334.941	12747.2b	ppb	2.8362	0.0	3628053
Tl 190.794	19.4863b	ppb	1.5004	7.7	-4.6874
V 292.401	519.864b	ppb	0.5773	0.1	13734.5
Zn 206.200	456.212b	ppb	2.5625	0.6	405.506

680-106108-a-38-b ms (Samp) **10/13/2014, 5:21:26 PM** **Rack 1, Tube 45**

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

Label	Replicates Concentration		
Ag 328.068	49.3354	48.9499	49.1075
Al 308.215	125592	125729	126041
As 188.980	120.711	120.845	124.676
B 249.678	196.184	197.076	197.880
Ba 389.178	1750.10	1753.00	1755.69
Be 313.042	53.4274	53.5458	53.2343
Ca 370.602	25693	25840	25807
Cd 226.502	45.7729	46.1913	45.8997
Co 228.615	143.774	144.211	142.821
Cr 267.716	464.344	465.623	466.561
Cu 324.754	342.694	343.943	344.312
Fe 271.441	209023	209146	209421
K 766.491	90947.4x	90797.6x	91012.5x
Mg 279.078	90851.2	90959.8	91184.8
Mn 257.610	4172.34	4189.07	4170.97
Mo 202.032	99.2021	101.182	100.533
Na 330.237	5745.40	5953.01	5802.87
Ni 231.604	278.207	277.055	274.485
Pb 220.353	517.109	513.318	521.156
Sb 206.834	15.5382	21.4838	14.6369
Se 196.026	102.674	82.0388	101.761
Sn 189.925	203.831	202.247	202.840
Sr 216.596	161.305	161.401	161.299
Ti 334.941	15648.4	15617.1	15680.0
Tl 190.794	40.7715	41.3122	41.7162
V 292.401	604.026	605.029	606.531
Zn 206.200	536.429	533.818	538.096

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	49.1309b	ppb	0.1938	0.4	3822.85
Al 308.215	125787b	ppb	230.279	0.2	844081
As 188.980	122.077b	ppb	2.2517	1.8	66.6708
B 249.678	197.047b	ppb	0.8481	0.4	2604.30
Ba 389.178	1752.93b	ppb	2.7975	0.2	36228.0
Be 313.042	53.4025b	ppb	0.1572	0.3	87460.1
Ca 370.602	25780b	ppb	76.74	0.3	66043
Cd 226.502	45.9546b	ppb	0.2145	0.5	2564.72
Co 228.615	143.602b	ppb	0.7106	0.5	1822.96
Cr 267.716	465.509b	ppb	1.1130	0.2	23572.9
Cu 324.754	343.650b	ppb	0.8480	0.2	25112.9
Fe 271.441	209197b	ppb	203.691	0.1	297799
K 766.491	90919.1xb	ppb	110.191	0.1	4036477
Mg 279.078	90998.6b	ppb	170.157	0.2	224976
Mn 257.610	4177.46b	ppb	10.0781	0.2	883887
Mo 202.032	100.306b	ppb	1.0094	1.0	630.139
Na 330.237	5833.76b	ppb	107.194	1.8	229.763
Ni 231.604	276.582b	ppb	1.9055	0.7	777.558
Pb 220.353	517.194b	ppb	3.9201	0.8	727.975
Sb 206.834	17.2196b	ppb	3.7202	21.6	37.1859
Se 196.026	95.4910b	ppb	11.6589	12.2	42.9016
Sn 189.925	202.972b	ppb	0.8003	0.4	130.713
Sr 216.596	161.335b	ppb	0.0572	0.0	1987.46

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ti 334.941	15648.5b	ppb	31.4470	0.2	4453819
Tl 190.794	41.2666b	ppb	0.4740	1.1	13.1715
V 292.401	605.196b	ppb	1.2605	0.2	16004.6
Zn 206.200	536.115b	ppb	2.1567	0.4	476.316

680-106108-a-38-c ms (Samp) **10/13/2014, 5:25:42 PM** **Rack 1, Tube 46**

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

Label	Replicates Concentration		
Ag 328.068	49.2188	49.0047	49.6257
Al 308.215	136606	137056	136760
As 188.980	114.031	124.178	113.167
B 249.678	199.376	199.595	200.560
Ba 389.178	1870.17	1874.45	1878.11
Be 313.042	53.0417	53.0668	53.1366
Ca 370.602	26274	26261	26311
Cd 226.502	45.3823	45.6426	45.8575
Co 228.615	159.631	159.863	158.927
Cr 267.716	475.613	476.256	476.860
Cu 324.754	447.091	446.932	445.505
Fe 271.441	229154	229440	229458
K 766.491	97648.6x	97771.7x	97675.2x
Mg 279.078	97397.1	97444.1	97572.0
Mn 257.610	4343.85	4346.02	4343.90
Mo 202.032	100.623	100.704	102.246
Na 330.237	6179.68	6140.25	6066.61
Ni 231.604	300.670	298.706	298.923
Pb 220.353	504.966	510.393	511.919
Sb 206.834	19.5104	17.2290	18.1707
Se 196.026	105.542	103.689	94.3989
Sn 189.925	204.135	213.484	203.167
Sr 216.596	164.314	163.205	164.039
Ti 334.941	16695.0	16772.2	16657.3
Tl 190.794	35.4965	43.3055	39.0660
V 292.401	650.625	651.380	652.468
Zn 206.200	560.869	563.322	557.460

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	49.2831b	ppb	0.3154	0.6	3832.37
Al 308.215	136807b	ppb	228.661	0.2	917986
As 188.980	117.125b	ppb	6.1233	5.2	63.7440
B 249.678	199.844b	ppb	0.6302	0.3	2604.48
Ba 389.178	1874.24b	ppb	3.9752	0.2	38742.4
Be 313.042	53.0817b	ppb	0.0492	0.1	86935.3
Ca 370.602	26282b	ppb	25.92	0.1	67445
Cd 226.502	45.6275b	ppb	0.2380	0.5	2633.17
Co 228.615	159.474b	ppb	0.4872	0.3	2011.25
Cr 267.716	476.243b	ppb	0.6235	0.1	24123.9
Cu 324.754	446.509b	ppb	0.8735	0.2	32540.9
Fe 271.441	229351b	ppb	170.277	0.1	326489
K 766.491	97698.5xb	ppb	64.7574	0.1	4337440
Mg 279.078	97471.1b	ppb	90.5370	0.1	240979
Mn 257.610	4344.59b	ppb	1.2397	0.0	919302
Mo 202.032	101.191b	ppb	0.9142	0.9	634814

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Na 330.237	6128.84b	ppb	57.3907	0.9	237.313
Ni 231.604	299.433b	ppb	1.0770	0.4	842.530
Pb 220.353	509.092b	ppb	3.6544	0.7	714.432
Sb 206.834	18.3034b	ppb	1.1464	6.3	39.3428
Se 196.026	101.210b	ppb	5.9709	5.9	45.3839
Sn 189.925	206.929b	ppb	5.6975	2.8	133.328
Sr 216.596	163.852b	ppb	0.5776	0.4	2035.88
Ti 334.941	16708.2b	ppb	58.5447	0.4	4755424
Tl 190.794	39.2893b	ppb	3.9093	10.0	8.9646
V 292.401	651.491b	ppb	0.9266	0.1	17230.6
Zn 206.200	560.550b	ppb	2.9441	0.5	497.611

680-106108-a-42-a (Samp) **10/13/2014, 5:30:29 PM** **Rack 1, Tube 47**

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

Label	Replicates Concentration		
Ag 328.068	-0.4409u	-0.5303u	-0.4503u
Al 308.215	93671.2	93789.5	93657.0
As 188.980	51.1141	46.9691	58.6221
B 249.678	20.0667	18.7904	18.8293
Ba 389.178	522.081	521.454	520.153
Be 313.042	5.4070	5.4183	5.3965
Ca 370.602	10858	10866	10894
Cd 226.502	2.2276	2.3231	2.3939
Co 228.615	32.0221	32.3762	31.8411
Cr 267.716	152.964	152.863	152.639
Cu 324.754	161.844	161.954	161.318
Fe 271.441	127842	127933	127531
K 766.491	7194.91	7195.62	7195.95
Mg 279.078	6931.26	6948.15	6927.36
Mn 257.610	673.513	674.997	673.973
Mo 202.032	11.2287	11.1695	11.4172
Na 330.237	313.218u	266.484u	281.647u
Ni 231.604	72.7139	73.6057	73.6829
Pb 220.353	148.612	148.844	154.518
Sb 206.834	-0.5429	-2.1104	-4.2349u
Se 196.026	-0.5913	7.8210	10.7197
Sn 189.925	12.4940	9.3204	11.7144
Sr 216.596	88.5398	90.2542	89.8426
Ti 334.941	621.341	620.668	619.139
Tl 190.794	-2.0550u	-3.0864u	-5.4387u
V 292.401	207.219	207.744	206.895
Zn 206.200	275.163	273.314	275.097

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.4739	ppb	0.0491	10.4	-69.1676
Al 308.215	93705.9	ppb	72.7833	0.1	628858
As 188.980	52.2351	ppb	5.9068	11.3	25.7796
B 249.678	19.2288	ppb	0.7259	3.8	58.5001
Ba 389.178	521.229	ppb	0.9838	0.2	10737.6
Be 313.042	5.4073	ppb	0.0109	0.2	8645.35
Ca 370.602	10873	ppb	18.54	0.2	25186
Cd 226.502	2.3149	ppb	0.0835	3.6	604.601
Co 228.615	32.0798	ppb	0.2721	0.8	354.659

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Cr 267.716	152.822	ppb	0.1663	0.1	7774.62
Cu 324.754	161.705	ppb	0.3399	0.2	11955.6
Fe 271.441	127769	ppb	210.633	0.2	181878
K 766.491	7195.49	ppb	0.5353	0.0	319635
Mg 279.078	6935.59	ppb	11.0492	0.2	17121.6
Mn 257.610	674.161	ppb	0.7597	0.1	142897
Mo 202.032	11.2718	ppb	0.1294	1.1	70.9690
Na 330.237	287.116	ppb	23.8427	8.3	-3.4734
Ni 231.604	73.3342	ppb	0.5386	0.7	207.086
Pb 220.353	150.658	ppb	3.3446	2.2	209.790
Sb 206.834	-2.2961	ppb	1.8530	80.7	6.7334
Se 196.026	5.9831	ppb	5.8752	98.2	5.7156
Sn 189.925	11.1763	ppb	1.6538	14.8	3.9508
Sr 216.596	89.5456	ppb	0.8950	1.0	1118.27
Ti 334.941	620.383	ppb	1.1282	0.2	176549
Tl 190.794	-3.5267	ppb	1.7343	49.2	-23.6092
V 292.401	207.286	ppb	0.4283	0.2	5430.98
Zn 206.200	274.525	ppb	1.0487	0.4	243.738

680-106108-a-43-a (Samp) **10/13/2014, 5:34:46 PM** **Rack 1, Tube 48**

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

Label	Replicates Concentration		
Ag 328.068	-4.4063u	-4.1555u	-3.7609u
Al 308.215	143943	143968	143538
As 188.980	23.0442	25.8509	21.2808
B 249.678	7.7260u	7.2190u	7.7941u
Ba 389.178	1931.42	1929.39	1925.68
Be 313.042	3.8450	3.8442	3.8380
Ca 370.602	20356	20294	20296
Cd 226.502	-5.1699	-4.9166	-5.1785
Co 228.615	122.734	122.301	121.139
Cr 267.716	586.572	586.306	584.703
Cu 324.754	320.810	318.231	320.877
Fe 271.441	246546	245776	245674
K 766.491	103552x	103393x	103627x
Mg 279.078	108846	108768	108496
Mn 257.610	5117.20	5108.74	5094.86
Mo 202.032	4.8775	5.2487	4.8104
Na 330.237	783.000u	782.627u	695.726u
Ni 231.604	254.757	258.180	250.246
Pb 220.353	23.5814	27.7114	26.9133
Sb 206.834	-3.2735	-5.3859	-4.1355
Se 196.026	5.0686	6.2196	14.3680
Sn 189.925	14.6113	19.3112	18.4055
Sr 216.596	66.1924	65.6065	65.4666
Ti 334.941	17300.7	17217.1	17339.5
Tl 190.794	-0.4675u	1.4373u	5.0121u
V 292.401	575.310	571.950	571.908
Zn 206.200	536.572	535.493	526.949

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-4.1076b	ppb	0.3254	7.9	-351.568
Al 308.215	143817b	ppb	241.384	0.2	964984

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
As 188.980	23.3919b	ppb	2.3048	9.9	8.6009
B 249.678	7.5797b	ppb	0.3142	4.1	-369.278
Ba 389.178	1928.83b	ppb	2.9108	0.2	39887.7
Be 313.042	3.8424b	ppb	0.0038	0.1	6089.58
Ca 370.602	20315b	ppb	35.12	0.2	53129
Cd 226.502	-5.0883b	ppb	0.1488	2.9	802.121
Co 228.615	122.058b	ppb	0.8245	0.7	1633.96
Cr 267.716	585.860b	ppb	1.0111	0.2	29648.1
Cu 324.754	319.973b	ppb	1.5087	0.5	23417.1
Fe 271.441	245999b	ppb	476.818	0.2	350180
K 766.491	103524xb	ppb	119.708	0.1	4596059
Mg 279.078	108703b	ppb	184.222	0.2	268745
Mn 257.610	5106.93b	ppb	11.2775	0.2	1080492
Mo 202.032	4.9789b	ppb	0.2361	4.7	25.6451
Na 330.237	753.785b	ppb	50.2802	6.7	-52.3337
Ni 231.604	254.394b	ppb	3.9793	1.6	718.779
Pb 220.353	26.0687b	ppb	2.1907	8.4	15.0514
Sb 206.834	-4.2650b	ppb	1.0621	24.9	12.4432
Se 196.026	8.5521b	ppb	5.0695	59.3	8.5617
Sn 189.925	17.4427b	ppb	2.4935	14.3	8.0920
Sr 216.596	65.7552b	ppb	0.3851	0.6	983.557
Ti 334.941	17285.8b	ppb	62.5428	0.4	4919833
Tl 190.794	1.9940b	ppb	2.7819	139.5	-29.5362
V 292.401	573.056b	ppb	1.9521	0.3	15217.2
Zn 206.200	533.005b	ppb	5.2721	1.0	471.789

Cont Calib Verif (CCV) **10/13/2014, 5:39:02 PM** **Rack 1, Tube 49**

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

Label	Replicates Concentration		
Ag 328.068	524.716	520.891	522.369
Al 308.215	5022.51	5019.92	5056.23
As 188.980	492.886	496.825	496.432
B 249.678	508.146	510.163	512.797
Ba 389.178	5100.83	5114.08	5087.91
Be 313.042	508.581	508.670	506.462
Ca 370.602	5089	5071	5026
Cd 226.502	517.089	516.434	516.397
Co 228.615	516.888	516.016	515.971
Cr 267.716	5080.65	5076.93	5057.80
Cu 324.754	5290.83	5242.62	5253.32
Fe 271.441	5115.52	5126.40	5122.10
K 766.491	10458.8	10455.6	10432.9
Mg 279.078	5091.58	5081.99	5083.81
Mn 257.610	5193.68	5176.18	5167.63
Mo 202.032	503.007	501.264	503.111
Na 330.237	7783.33	8045.44	7632.65
Ni 231.604	2597.72	2597.82	2592.54
Pb 220.353	508.595	510.645	508.799
Sb 206.834	998.258	992.833	992.281
Se 196.026	5110.56	5072.25	5036.32
Sn 189.925	5111.16	5070.25	5101.73
Sr 216.596	2554.97	2553.98	2556.75
Ti 334.941	508.596	508.652	506.771

Label	Replicates Concentration		
Tl 190.794	5156.37	5167.20	5151.41
V 292.401	5072.97	5071.66	5052.92
Zn 206.200	2552.43	2544.81	2526.62

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Ag 328.068	522.659	ppb	1.9286	0.4	40936.7	104.53172
Al 308.215	5032.88	ppb	20.2574	0.4	34788.1	100.65768
As 188.980	495.381	ppb	2.1701	0.4	286.215	99.07622
B 249.678	510.369	ppb	2.3322	0.5	7838.18	102.07373
Ba 389.178	5100.94	ppb	13.0868	0.3	104905	102.01886
Be 313.042	507.904	ppb	1.2498	0.2	833929	101.58085
Ca 370.602	5062	ppb	32.43	0.6	12509	101.24187
Cd 226.502	516.640	ppb	0.3890	0.1	19356.9	103.32799
Co 228.615	516.292	ppb	0.5172	0.1	5424.50	103.25835
Cr 267.716	5071.80	ppb	12.2628	0.2	254982	101.43592
Cu 324.754	5262.26	ppb	25.3178	0.5	379796	105.24512
Fe 271.441	5121.34	ppb	5.4814	0.1	7401.25	102.42686
K 766.491	10449.1	ppb	14.1306	0.1	464076	104.49092
Mg 279.078	5085.80	ppb	5.0946	0.1	12492.1	101.71592
Mn 257.610	5179.16	ppb	13.2783	0.3	1094281	103.58326
Mo 202.032	502.460	ppb	1.0375	0.2	3178.09	100.49208
Na 330.237	7820.47	ppb	208.882	2.7	377.711	104.27299
Ni 231.604	2596.03	ppb	3.0184	0.1	7203.65	103.84109
Pb 220.353	509.346	ppb	1.1297	0.2	740.861	101.86922
Sb 206.834	994.457	ppb	3.3029	0.3	1377.43	99.44573
Se 196.026	5073.04	ppb	37.1264	0.7	2034.75	101.46084
Sn 189.925	5094.38	ppb	21.4221	0.4	3363.52	101.88755
Sr 216.596	2555.23	ppb	1.4060	0.1	27815.0	102.20936
Ti 334.941	508.006	ppb	1.0701	0.2	144543	101.60127
Tl 190.794	5158.33	ppb	8.0736	0.2	5110.67	103.16651
V 292.401	5065.85	ppb	11.2150	0.2	131417	101.31699
Zn 206.200	2541.29	ppb	13.2616	0.5	2285.04	101.65161

Cont Calib Blank (CCB) **10/13/2014, 5:43:17 PM** **Rack 1, Tube 50**

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

Label	Replicates Concentration		
Ag 328.068	0.0112	-0.1203u	-0.1976u
Al 308.215	-3.8573u	-1.5275u	-1.1945u
As 188.980	1.9196	-0.7964u	-2.1227u
B 249.678	9.4738	8.4275	7.2518
Ba 389.178	0.6458	0.2984	0.1834
Be 313.042	0.0042	-0.0118u	-0.0117u
Ca 370.602	3.315	3.327	1.719
Cd 226.502	0.3180	0.2253	0.1560
Co 228.615	0.5494	-0.1030u	0.5942
Cr 267.716	0.2643	0.3033	0.2425
Cu 324.754	0.5074	0.3775	0.5376
Fe 271.441	0.8522	-0.0436u	0.5064
K 766.491	2.5073	2.0413	2.0333
Mg 279.078	6.9001	2.9740	3.2266
Mn 257.610	0.3198	0.3317	0.2906
Mo 202.032	-0.0311u	0.0520	0.1840
Na 330.237	39.3709	15.6928	-38.6454u

Label	Replicates Concentration		
Ni 231.604	1.0189	0.6547	-0.0831u
Pb 220.353	0.6228	0.1666	-1.0140u
Sb 206.834	-2.5659u	1.4490	2.9785
Se 196.026	11.6725	5.6995	-3.4951u
Sn 189.925	-1.6480u	-0.3026u	-4.7671u
Sr 216.596	-0.2503u	-0.2206u	0.1840
Ti 334.941	0.4746	0.4272	0.4128
Tl 190.794	1.6730	1.4726	-0.0944u
V 292.401	0.1613	0.2742	0.0228
Zn 206.200	0.9164	1.3758	0.1760

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Ag 328.068	-0.1022	ppb	0.1055	103.2	-20.8535	-0.10224
Al 308.215	-2.1931	ppb	1.4508	66.2	501.198	-2.19309
As 188.980	-0.3332	ppb	2.0606	618.5	-5.2731	-0.33317
B 249.678	8.3844	ppb	1.1117	13.3	163.404	8.38437
Ba 389.178	0.3759	ppb	0.2407	64.0	-51.9819	0.37588
Be 313.042	-0.0064	ppb	0.0092	142.4	-259.363	-0.00645
Ca 370.602	2.787	ppb	0.9254	33.2	20.72	2.78708
Cd 226.502	0.2331	ppb	0.0813	34.9	14.3495	0.23309
Co 228.615	0.3469	ppb	0.3902	112.5	1.3513	0.34686
Cr 267.716	0.2700	ppb	0.0308	11.4	45.4235	0.27004
Cu 324.754	0.4742	ppb	0.0851	17.9	272.953	0.47419
Fe 271.441	0.4383	ppb	0.4518	103.1	9.0909	0.43834
K 766.491	2.1940	ppb	0.2714	12.4	294.166	2.19395
Mg 279.078	4.3669	ppb	2.1975	50.3	22.2515	4.36691
Mn 257.610	0.3140	ppb	0.0212	6.7	113.578	0.31403
Mo 202.032	0.0683	ppb	0.1085	158.9	5.8827	0.06829
Na 330.237	5.4728	ppb	39.9997	730.9	22.3169	5.47275
Ni 231.604	0.5302	ppb	0.5614	105.9	-4.8653	0.53017
Pb 220.353	-0.0749	ppb	0.8447	1128.4	0.9479	-0.07486
Sb 206.834	0.6205	ppb	2.8635	461.5	5.2859	0.62054
Se 196.026	4.6256	ppb	7.6406	165.2	4.0310	4.62560
Sn 189.925	-2.2392	ppb	2.2902	102.3	-4.9156	-2.23922
Sr 216.596	-0.0956	ppb	0.2426	253.8	1.8913	-0.09562
Ti 334.941	0.4382	ppb	0.0323	7.4	76.7247	0.43821
Tl 190.794	1.0171	ppb	0.9677	95.2	-4.2533	1.01707
V 292.401	0.1527	ppb	0.1259	82.4	-0.6797	0.15272
Zn 206.200	0.8228	ppb	0.6053	73.6	1.5648	0.82276

680-106108-a-44-a (Samp) **10/13/2014, 5:47:32 PM** **Rack 1, Tube 51**

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

Label	Replicates Concentration		
Ag 328.068	-5.4557u	-5.1462u	-4.7573u
Al 308.215	143258	142906	143190
As 188.980	30.9403	31.0707	31.1433
B 249.678	9.1626u	8.7950u	9.6596u
Ba 389.178	1826.36	1827.25	1823.24
Be 313.042	4.4399	4.4432	4.4071
Ca 370.602	22181	22169	22100
Cd 226.502	-5.3315	-4.7284	-5.0332
Co 228.615	134.668	134.403	134.398
Cr 267.716	462.412	462.015	459.992

Label	Replicates Concentration		
Cu 324.754	359.076	360.540	358.249
Fe 271.441	242783	242721	242212
K 766.491	98327.1x	98407.7x	98602.2x
Mg 279.078	103628	103581	103276
Mn 257.610	4921.36	4871.87	4863.55
Mo 202.032	4.3609	4.3085	5.0664
Na 330.237	911.404u	700.321u	935.251u
Ni 231.604	230.366	229.448	227.449
Pb 220.353	28.7832	25.8977	30.5921
Sb 206.834	-4.7464	-5.2445	0.7647
Se 196.026	9.5697	9.5704	-4.0918
Sn 189.925	10.0523	12.2065	15.3910
Sr 216.596	69.4382	68.9895	68.7067
Ti 334.941	17034.0	17177.0	17116.6
Tl 190.794	0.4849u	-2.9078u	3.1874u
V 292.401	551.892	552.359	549.231
Zn 206.200	535.611	527.633	531.013

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-5.1198b	ppb	0.3500	6.8	-431.563
Al 308.215	143118b	ppb	186.208	0.1	960292
As 188.980	31.0514b	ppb	0.1028	0.3	13.1203
B 249.678	9.2058b	ppb	0.4339	4.7	-337.136
Ba 389.178	1825.62b	ppb	2.1060	0.1	37755.8
Be 313.042	4.4300b	ppb	0.0200	0.5	7054.59
Ca 370.602	22150b	ppb	43.56	0.2	57508
Cd 226.502	-5.0310b	ppb	0.3016	6.0	790.351
Co 228.615	134.489b	ppb	0.1543	0.1	1760.07
Cr 267.716	461.473b	ppb	1.2978	0.3	23391.9
Cu 324.754	359.288b	ppb	1.1603	0.3	26252.1
Fe 271.441	242572b	ppb	313.305	0.1	345304
K 766.491	98445.6xb	ppb	141.419	0.1	4370610
Mg 279.078	103495b	ppb	191.009	0.2	255867
Mn 257.610	4885.59b	ppb	31.2536	0.6	1033681
Mo 202.032	4.5786b	ppb	0.4232	9.2	23.2860
Na 330.237	848.992b	ppb	129.304	15.2	-45.9562
Ni 231.604	229.088b	ppb	1.4919	0.7	648.197
Pb 220.353	28.4244b	ppb	2.3677	8.3	18.6336
Sb 206.834	-3.0754b	ppb	3.3350	108.4	12.5902
Se 196.026	5.0161b	ppb	7.8877	157.2	7.0736
Sn 189.925	12.5500b	ppb	2.6859	21.4	4.8584
Sr 216.596	69.0448b	ppb	0.3689	0.5	1017.05
Ti 334.941	17109.2b	ppb	71.7946	0.4	4869565
Tl 190.794	0.2549b	ppb	3.0541	1198.4	-30.9398
V 292.401	551.161b	ppb	1.6870	0.3	14649.0
Zn 206.200	531.419b	ppb	4.0045	0.8	470.813

680-106108-a-45-a (Samp) **10/13/2014, 5:51:47 PM** **Rack 1, Tube 52**

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

Label	Replicates Concentration		
Ag 328.068	-3.3683u	-3.7142u	-3.1507u
Al 308.215	118175	118265	118118
As 188.980	20.5277	18.6933	22.8299

Label	Replicates Concentration		
B 249.678	9.8158u	9.4742u	10.4208u
Ba 389.178	1540.35	1537.30	1535.59
Be 313.042	2.5430	2.5417	2.5216
Ca 370.602	14593	14545	14500
Cd 226.502	-4.7479	-4.2601	-4.1711
Co 228.615	77.1799	75.7349	74.9346
Cr 267.716	391.210	389.743	389.719
Cu 324.754	330.915	328.404	332.881
Fe 271.441	227675	227376	227201
K 766.491	79798.6x	79756.0x	79767.1x
Mg 279.078	79795.3	79612.9	79749.5
Mn 257.610	3214.38	3206.05	3206.72
Mo 202.032	7.7054	8.9528	8.1787
Na 330.237	751.668u	511.695u	721.109u
Ni 231.604	171.795	171.645	171.523
Pb 220.353	1163.72	1152.41	1157.94
Sb 206.834	0.6246	-3.0592	0.2671
Se 196.026	8.9891	-5.9771	6.3391
Sn 189.925	18.9838	18.8964	14.4797
Sr 216.596	68.6406	70.9235	69.4161
Ti 334.941	14560.7	14567.3	14549.7
Tl 190.794	-4.3924u	0.4298u	-1.8595u
V 292.401	479.845	477.998	477.759
Zn 206.200	465.482	459.683	463.462

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-3.4111b	ppb	0.2842	8.3	-303.062
Al 308.215	118186b	ppb	73.9089	0.1	793142
As 188.980	20.6836b	ppb	2.0727	10.0	6.8755
B 249.678	9.9036b	ppb	0.4794	4.8	-294.516
Ba 389.178	1537.75b	ppb	2.4150	0.2	31795.1
Be 313.042	2.5354b	ppb	0.0120	0.5	3937.31
Ca 370.602	14546b	ppb	46.23	0.3	38331
Cd 226.502	-4.3930b	ppb	0.3105	7.1	753.460
Co 228.615	75.9498b	ppb	1.1380	1.5	1094.55
Cr 267.716	390.224b	ppb	0.8544	0.2	19791.0
Cu 324.754	330.733b	ppb	2.2442	0.7	24187.0
Fe 271.441	227417b	ppb	239.703	0.1	323725
K 766.491	79773.9xb	ppb	22.1009	0.0	3541692
Mg 279.078	79719.3b	ppb	94.9054	0.1	197097
Mn 257.610	3209.05b	ppb	4.6326	0.1	679264
Mo 202.032	8.2790b	ppb	0.6297	7.6	47.4222
Na 330.237	661.490b	ppb	130.624	19.7	-44.7626
Ni 231.604	171.655b	ppb	0.1364	0.1	487.646
Pb 220.353	1158.02b	ppb	5.6543	0.5	1653.88
Sb 206.834	-0.7225b	ppb	2.0315	281.2	14.4411
Se 196.026	3.1170b	ppb	7.9865	256.2	5.8593
Sn 189.925	17.4533b	ppb	2.5756	14.8	8.0991
Sr 216.596	69.6601b	ppb	1.1609	1.7	1006.51
Ti 334.941	14559.2b	ppb	8.8915	0.1	4143787
Tl 190.794	-1.9407b	ppb	2.4121	124.3	-32.3484
V 292.401	478.534b	ppb	1.1420	0.2	12719.5
Zn 206.200	462.875b	ppb	2.9437	0.6	409.603

680-106108-a-46-a (Samp) **10/13/2014, 5:56:02 PM** **Rack 1, Tube 53**

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

Label	Replicates Concentration		
Ag 328.068	-3.3534u	-3.7023u	-3.9749u
Al 308.215	117168	116915	116768
As 188.980	15.1116	18.5042	18.0833
B 249.678	18.8778u	19.3841u	19.2430u
Ba 389.178	1567.19	1569.59	1570.95
Be 313.042	3.1158	3.1218	3.1243
Ca 370.602	16449	16464	16508
Cd 226.502	-4.0940	-4.2240	-4.1853
Co 228.615	89.5640	90.6849	89.8384
Cr 267.716	379.724	380.865	381.327
Cu 324.754	267.939	268.743	267.556
Fe 271.441	196950	197205	197500
K 766.491	83725.3x	83649.7x	83355.8x
Mg 279.078	84616.1	84764.5	84726.3
Mn 257.610	3708.88	3714.30	3706.10
Mo 202.032	3.9924	3.2849	4.6918
Na 330.237	1485.43u	1616.88u	1541.72u
Ni 231.604	183.478	180.959	180.772
Pb 220.353	41.0913	41.9889	41.3122
Sb 206.834	-3.4346	-6.9783	-1.7737
Se 196.026	5.5555	0.3062	7.3645
Sn 189.925	13.6501	15.3734	16.1592
Sr 216.596	65.6623	65.1170	65.8852
Ti 334.941	14991.3	14996.8	15004.2
Tl 190.794	8.7527u	-2.1563u	7.1562u
V 292.401	473.860	475.078	474.232
Zn 206.200	425.351	428.024	423.185

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-3.6769b	ppb	0.3115	8.5	-316.678
Al 308.215	116950b	ppb	202.297	0.2	784806
As 188.980	17.2331b	ppb	1.8492	10.7	5.0096
B 249.678	19.1683b	ppb	0.2613	1.4	-88.8843
Ba 389.178	1569.25b	ppb	1.9014	0.1	32434.2
Be 313.042	3.1206b	ppb	0.0044	0.1	4899.66
Ca 370.602	16474b	ppb	30.62	0.2	43455
Cd 226.502	-4.1678b	ppb	0.0668	1.6	640.633
Co 228.615	90.0291b	ppb	0.5843	0.6	1248.69
Cr 267.716	380.639b	ppb	0.8251	0.2	19298.8
Cu 324.754	268.079b	ppb	0.6055	0.2	19654.3
Fe 271.441	197218b	ppb	275.567	0.1	280742
K 766.491	83576.9xb	ppb	195.193	0.2	3710526
Mg 279.078	84702.3b	ppb	77.0991	0.1	209414
Mn 257.610	3709.76b	ppb	4.1688	0.1	784996
Mo 202.032	3.9897b	ppb	0.7035	17.6	21.6151
Na 330.237	1548.01b	ppb	65.9532	4.3	9.9602
Ni 231.604	181.736b	ppb	1.5112	0.8	513.304
Pb 220.353	41.4641b	ppb	0.4677	1.1	41.3300
Sb 206.834	-4.0622b	ppb	2.6584	65.4	9.0362
Se 196.026	4.4087b	ppb	3.6662	83.2	6.2377
Sn 189.925	15.0609b	ppb	1.2834	8.5	6.5182
Sr 216.596	65.5548b	ppb	0.3952	0.6	929.788

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ti 334.941	14997.4b	ppb	6.4950	0.0	4268510
Tl 190.794	4.5842b	ppb	5.8918	128.5	-21.9344
V 292.401	474.390b	ppb	0.6243	0.1	12608.3
Zn 206.200	425.520b	ppb	2.4237	0.6	377.014

680-106108-a-47-a (Samp) **10/13/2014, 6:00:18 PM** **Rack 1, Tube 54**

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

Label	Replicates Concentration		
Ag 328.068	-3.3549u	-3.6388u	-3.6075u
Al 308.215	116313	116196	116271
As 188.980	18.3970	19.1302	26.2510
B 249.678	10.6430u	10.2823u	10.0133u
Ba 389.178	1652.89	1649.00	1655.18
Be 313.042	3.0154	3.0002	3.0105
Ca 370.602	19066	19060	19123
Cd 226.502	-4.0789	-3.6923	-3.9266
Co 228.615	93.9771	93.2026	93.6795
Cr 267.716	359.211	359.052	360.496
Cu 324.754	342.134	342.161	343.709
Fe 271.441	200321	200248	200758
K 766.491	81357.4x	81290.2x	81516.6x
Mg 279.078	81700.3	81523.2	81771.5
Mn 257.610	3554.73	3550.85	3558.18
Mo 202.032	5.0613	5.3141	4.7440
Na 330.237	1516.35u	1551.41u	1579.46u
Ni 231.604	181.307	184.656	183.113
Pb 220.353	39.3065	43.7198	40.4142
Sb 206.834	-0.6882	-1.7232	-2.3740
Se 196.026	4.4176	-8.6747u	-2.8934
Sn 189.925	12.4416	8.0695	19.4640
Sr 216.596	69.1905	69.3253	70.1107
Ti 334.941	14461.4	14435.2	14454.1
Tl 190.794	-3.2529u	-4.9353u	-0.4163u
V 292.401	498.567	497.648	499.351
Zn 206.200	418.122	420.103	424.561

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-3.5337b	ppb	0.1557	4.4	-306.739
Al 308.215	116260b	ppb	59.3170	0.1	780187
As 188.980	21.2594b	ppb	4.3384	20.4	7.3529
B 249.678	10.3129b	ppb	0.3160	3.1	-231.083
Ba 389.178	1652.36b	ppb	3.1267	0.2	34141.8
Be 313.042	3.0087b	ppb	0.0077	0.3	4717.84
Ca 370.602	19083b	ppb	34.99	0.2	49508
Cd 226.502	-3.8993b	ppb	0.1947	5.0	663.641
Co 228.615	93.6197b	ppb	0.3907	0.4	1275.89
Cr 267.716	359.586b	ppb	0.7918	0.2	18239.8
Cu 324.754	342.668b	ppb	0.9017	0.3	25036.1
Fe 271.441	200442b	ppb	275.689	0.1	285332
K 766.491	81388.1xb	ppb	116.274	0.1	3613353
Mg 279.078	81665.0b	ppb	127.855	0.2	201904
Mn 257.610	3554.59b	ppb	3.6689	0.1	752200
Mo 202.032	5.0398b	ppb	0.2857	5.7	28.0913

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Na 330.237	1549.08b	ppb	31.6214	2.0	10.5012
Ni 231.604	183.026b	ppb	1.6765	0.9	517.126
Pb 220.353	41.1468b	ppb	2.2960	5.6	40.8920
Sb 206.834	-1.5951b	ppb	0.8501	53.3	12.1806
Se 196.026	-2.3835b	ppb	6.5610	275.3	3.5125
Sn 189.925	13.3251b	ppb	5.7484	43.1	5.3710
Sr 216.596	69.5422b	ppb	0.4970	0.7	977.598
Ti 334.941	14450.2b	ppb	13.5040	0.1	4112765
Tl 190.794	-2.8682b	ppb	2.2839	79.6	-29.7366
V 292.401	498.522b	ppb	0.8527	0.2	13229.4
Zn 206.200	420.929b	ppb	3.2979	0.8	372.793

680-106108-a-48-a (Samp) **10/13/2014, 6:04:34 PM** **Rack 1, Tube 55**

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

Label	Replicates Concentration		
Ag 328.068	-1.8656u	-2.5062u	-1.8217u
Al 308.215	86878.6	86805.1	86717.3
As 188.980	25.3409	26.0082	24.7857
B 249.678	9.3891u	9.7907u	8.9768u
Ba 389.178	1057.45	1056.98	1054.96
Be 313.042	3.0159	3.0189	3.0244
Ca 370.602	15223	15207	15238
Cd 226.502	-2.4774	-2.3265	-2.5109
Co 228.615	67.5118	67.2095	67.1434
Cr 267.716	273.136	272.886	273.127
Cu 324.754	187.570	186.962	187.736
Fe 271.441	186832	186965	186758
K 766.491	56807.3x	56706.0x	56660.6x
Mg 279.078	54945.9	54972.6	54927.7
Mn 257.610	2457.05	2457.55	2455.85
Mo 202.032	25.0206	24.9205	24.8918
Na 330.237	442.310u	534.948u	570.391u
Ni 231.604	132.383	133.156	132.299
Pb 220.353	115.613	116.291	118.831
Sb 206.834	-3.5369	1.7627	-2.3212
Se 196.026	4.5392	4.9634	-2.5157
Sn 189.925	20.8266	18.0619	19.8577
Sr 216.596	53.9344	54.6944	55.2721
Ti 334.941	9502.90	9481.00	9460.69
Tl 190.794	-0.0475u	1.1027u	-0.8470u
V 292.401	338.607	337.733	337.418
Zn 206.200	319.567	315.377	318.536

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-2.0645b	ppb	0.3831	18.6	-194.165
Al 308.215	86800.3b	ppb	80.7667	0.1	582684
As 188.980	25.3783b	ppb	0.6121	2.4	9.5743
B 249.678	9.3855b	ppb	0.4070	4.3	-216.742
Ba 389.178	1056.46b	ppb	1.3215	0.1	21841.0
Be 313.042	3.0198b	ppb	0.0043	0.1	4724.49
Ca 370.602	15223b	ppb	15.37	0.1	38456
Cd 226.502	-2.4383b	ppb	0.0983	4.0	663.890
Co 228.615	67.2882b	ppb	0.1964	0.3	901.485

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Cr 267.716	273.050b	ppb	0.1415	0.1	13869.7
Cu 324.754	187.423b	ppb	0.4075	0.2	13834.4
Fe 271.441	186852b	ppb	105.135	0.1	265982
K 766.491	56724.6xb	ppb	75.1018	0.1	2518440
Mg 279.078	54948.7b	ppb	22.5504	0.0	135852
Mn 257.610	2456.81b	ppb	0.8718	0.0	520040
Mo 202.032	24.9443b	ppb	0.0676	0.3	154.738
Na 330.237	515.883b	ppb	66.1343	12.8	-27.4453
Ni 231.604	132.612b	ppb	0.4729	0.4	376.133
Pb 220.353	116.912b	ppb	1.6965	1.5	153.681
Sb 206.834	-1.3652b	ppb	2.7761	203.4	10.8322
Se 196.026	2.3289b	ppb	4.2010	180.4	5.0749
Sn 189.925	19.5821b	ppb	1.4028	7.2	9.5061
Sr 216.596	54.6336b	ppb	0.6709	1.2	800.337
Ti 334.941	9481.53b	ppb	21.1115	0.2	2698585
Tl 190.794	0.0694b	ppb	0.9801	1412.6	-26.0948
V 292.401	337.919b	ppb	0.6160	0.2	8975.21
Zn 206.200	317.827b	ppb	2.1834	0.7	280.316

680-106108-a-49-a (Samp) **10/13/2014, 6:08:50 PM** **Rack 1, Tube 56**

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

Label	Replicates Concentration		
Ag 328.068	-2.7833u	-2.2725u	-2.9749u
Al 308.215	121644	121707	121634
As 188.980	19.6691	17.4522	15.9559
B 249.678	6.2172u	6.7274u	6.9657u
Ba 389.178	1631.69	1633.34	1630.94
Be 313.042	3.2303	3.2379	3.2451
Ca 370.602	19860	19863	19899
Cd 226.502	-3.9610	-4.1416	-4.0574
Co 228.615	101.780	101.290	102.558
Cr 267.716	394.100	394.286	394.387
Cu 324.754	296.446	295.797	298.304
Fe 271.441	208299	208650	208218
K 766.491	78255.4x	78316.6x	78309.9x
Mg 279.078	83986.5	84039.4	83954.1
Mn 257.610	3528.64	3541.32	3522.18
Mo 202.032	4.2914	3.4645	2.7485
Na 330.237	691.162u	632.302u	618.037u
Ni 231.604	195.301	192.748	194.395
Pb 220.353	25.4915	30.5632	28.9314
Sb 206.834	-3.9537	-0.6735	-5.7693
Se 196.026	-4.2523	-0.1451	-7.9306u
Sn 189.925	11.8765	15.5710	14.3654
Sr 216.596	70.5436	70.0099	68.9467
Ti 334.941	14748.7	14729.1	14717.6
Tl 190.794	0.6038u	0.8322u	-4.7486u
V 292.401	510.266	509.482	509.713
Zn 206.200	449.322	443.953	444.016

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-2.6769b	ppb	0.3631	13.6	-240.904
Al 308.215	121662b	ppb	39.5530	0.0	816410

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
As 188.980	17.6924b	ppb	1.8682	10.6	5.2593
B 249.678	6.6368b	ppb	0.3824	5.8	-304.015
Ba 389.178	1631.99b	ppb	1.2317	0.1	33729.8
Be 313.042	3.2378b	ppb	0.0074	0.2	5095.33
Ca 370.602	19874b	ppb	21.70	0.1	51441
Cd 226.502	-4.0533b	ppb	0.0903	2.2	689.585
Co 228.615	101.876b	ppb	0.6399	0.6	1368.79
Cr 267.716	394.257b	ppb	0.1455	0.0	19986.8
Cu 324.754	296.849b	ppb	1.3013	0.4	21733.9
Fe 271.441	208389b	ppb	229.965	0.1	296644
K 766.491	78294.0xb	ppb	33.5602	0.0	3475993
Mg 279.078	83993.3b	ppb	43.0838	0.1	207662
Mn 257.610	3530.72b	ppb	9.7371	0.3	747197
Mo 202.032	3.5015b	ppb	0.7721	22.1	18.0062
Na 330.237	647.167b	ppb	38.7625	6.0	-40.4874
Ni 231.604	194.148b	ppb	1.2939	0.7	548.608
Pb 220.353	28.3287b	ppb	2.5890	9.1	21.6938
Sb 206.834	-3.4655b	ppb	2.5828	74.5	10.3276
Se 196.026	-4.1093b	ppb	3.8947	94.8	2.8784
Sn 189.925	13.9376b	ppb	1.8840	13.5	5.7756
Sr 216.596	69.8334b	ppb	0.8130	1.2	989.236
Ti 334.941	14731.8b	ppb	15.7444	0.1	4192907
Tl 190.794	-1.1042b	ppb	3.1582	286.0	-28.9188
V 292.401	509.820b	ppb	0.4031	0.1	13529.1
Zn 206.200	445.764b	ppb	3.0819	0.7	394.854

680-106108-a-50-a (Samp) **10/13/2014, 6:13:06 PM** **Rack 1, Tube 57**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Replicates Concentration		
Ag 328.068	-2.6032u	-1.8777u	-2.7724u
Al 308.215	97437.8	97535.0	97518.1
As 188.980	23.1535	18.4180	15.5247
B 249.678	7.4358u	8.9915u	8.9513u
Ba 389.178	1446.94	1446.45	1449.85
Be 313.042	2.3591	2.3699	2.3754
Ca 370.602	14374	14394	14421
Cd 226.502	-0.6905	-0.8948	-0.7192
Co 228.615	75.4233	76.3634	76.3362
Cr 267.716	304.056	304.769	304.767
Cu 324.754	798.032	803.314	797.802
Fe 271.441	166493	166587	166823
K 766.491	69263.5x	69298.8x	69266.1x
Mg 279.078	68093.8	67990.5	68132.6
Mn 257.610	2930.99	2939.48	2935.01
Mo 202.032	3.7248	3.5430	3.0721
Na 330.237	774.801u	811.359u	712.955u
Ni 231.604	185.819	186.594	183.633
Pb 220.353	1390.57	1396.54	1392.10
Sb 206.834	13.1985	19.5336	15.0980
Se 196.026	-3.1742	-4.0691	0.1702
Sn 189.925	27.4160	24.2577	24.9844
Sr 216.596	65.1498	64.2815	65.4243
Ti 334.941	12571.8	12600.6	12597.1

Label	Replicates Concentration		
Tl 190.794	2.5027u	-4.3925u	0.6706u
V 292.401	406.397	406.421	407.716
Zn 206.200	419.355	417.065	419.868

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-2.4178b	ppb	0.4753	19.7	-216.714
Al 308.215	97497.0b	ppb	51.9683	0.1	654355
As 188.980	19.0321b	ppb	3.8513	20.2	6.0633
B 249.678	8.4595b	ppb	0.8868	10.5	-187.590
Ba 389.178	1447.75b	ppb	1.8339	0.1	29897.6
Be 313.042	2.3681b	ppb	0.0083	0.4	3660.62
Ca 370.602	14397b	ppb	23.44	0.2	37836
Cd 226.502	-0.7682b	ppb	0.1106	14.4	645.091
Co 228.615	76.0410b	ppb	0.5351	0.7	1052.82
Cr 267.716	304.530b	ppb	0.4110	0.1	15451.1
Cu 324.754	799.716b	ppb	3.1181	0.4	57993.5
Fe 271.441	166634b	ppb	169.736	0.1	237207
K 766.491	69276.1xb	ppb	19.6712	0.0	3075652
Mg 279.078	68072.3b	ppb	73.4460	0.1	168301
Mn 257.610	2935.16b	ppb	4.2480	0.1	621136
Mo 202.032	3.4466b	ppb	0.3369	9.8	19.5817
Na 330.237	766.372b	ppb	49.7407	6.5	-17.9490
Ni 231.604	185.349b	ppb	1.5357	0.8	521.034
Pb 220.353	1393.07b	ppb	3.1041	0.2	1998.53
Sb 206.834	15.9434b	ppb	3.2511	20.4	33.9585
Se 196.026	-2.3577b	ppb	2.2345	94.8	3.1322
Sn 189.925	25.5527b	ppb	1.6541	6.5	13.4523
Sr 216.596	64.9518b	ppb	0.5966	0.9	889.749
Ti 334.941	12589.8b	ppb	15.7064	0.1	3583257
Tl 190.794	-0.4064b	ppb	3.5716	878.8	-23.6684
V 292.401	406.845b	ppb	0.7546	0.2	10808.4
Zn 206.200	418.762b	ppb	1.4924	0.4	372.270

680-106108-a-51-a (Samp) **10/13/2014, 6:17:23 PM** **Rack 1, Tube 58**

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

Label	Replicates Concentration		
Ag 328.068	-2.6143u	-2.8753u	-2.9534u
Al 308.215	113340	112997	112813
As 188.980	19.3042	14.8559	16.6560
B 249.678	7.0004u	6.5283u	7.0627u
Ba 389.178	1599.91	1595.16	1592.57
Be 313.042	2.8225	2.8201	2.8176
Ca 370.602	15595	15642	15635
Cd 226.502	0.1720	0.0314	-0.2358
Co 228.615	92.6427	93.1979	92.3030
Cr 267.716	379.637	379.317	379.173
Cu 324.754	496.399	495.170	490.746
Fe 271.441	193583	193098	192900
K 766.491	79172.6x	78980.4x	78927.6x
Mg 279.078	79345.7	79248.8	79172.7
Mn 257.610	3357.22	3360.19	3349.44
Mo 202.032	4.1791	4.9978	4.0757
Na 330.237	1010.67u	808.906u	733.802u

Label	Replicates Concentration		
Ni 231.604	196.698	197.253	197.481
Pb 220.353	798.668	799.541	795.777
Sb 206.834	14.2351	10.6571	12.7620
Se 196.026	-13.1198u	11.0318	5.7406
Sn 189.925	20.1983	16.0456	18.9212
Sr 216.596	76.9551	77.7006	76.7781
Ti 334.941	14132.6	14087.0	14100.5
Tl 190.794	4.3945u	3.3692u	-5.5957u
V 292.401	454.081	451.886	452.753
Zn 206.200	493.228	488.617	487.508

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-2.8143b	ppb	0.1776	6.3	-250.392
Al 308.215	113050b	ppb	267.389	0.2	758653
As 188.980	16.9387b	ppb	2.2376	13.2	4.8234
B 249.678	6.8638b	ppb	0.2922	4.3	-268.255
Ba 389.178	1595.88b	ppb	3.7221	0.2	32973.1
Be 313.042	2.8201b	ppb	0.0024	0.1	4404.91
Ca 370.602	15624b	ppb	25.70	0.2	41113
Cd 226.502	-0.0108b	ppb	0.2071	1918.8	780.079
Co 228.615	92.7145b	ppb	0.4518	0.5	1259.72
Cr 267.716	379.375b	ppb	0.2377	0.1	19230.3
Cu 324.754	494.105b	ppb	2.9735	0.6	35958.0
Fe 271.441	193194b	ppb	351.417	0.2	275013
K 766.491	79026.9xb	ppb	128.933	0.2	3508528
Mg 279.078	79255.7b	ppb	86.7072	0.1	195950
Mn 257.610	3355.62b	ppb	5.5528	0.2	710126
Mo 202.032	4.4176b	ppb	0.5052	11.4	24.5177
Na 330.237	851.125b	ppb	143.179	16.8	-25.3672
Ni 231.604	197.144b	ppb	0.4030	0.2	555.790
Pb 220.353	797.995b	ppb	1.9703	0.2	1135.75
Sb 206.834	12.5514b	ppb	1.7983	14.3	31.0362
Se 196.026	1.2175b	ppb	12.6952	1042.7	4.8585
Sn 189.925	18.3884b	ppb	2.1270	11.6	8.7173
Sr 216.596	77.1446b	ppb	0.4896	0.6	1051.24
Ti 334.941	14106.7b	ppb	23.4554	0.2	4014990
Tl 190.794	0.7227b	ppb	5.4958	760.5	-25.4621
V 292.401	452.907b	ppb	1.1055	0.2	12035.2
Zn 206.200	489.784b	ppb	3.0334	0.6	435.270

680-106108-a-52-a (Samp) **10/13/2014, 6:21:40 PM** **Rack 1, Tube 59**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Replicates Concentration		
Ag 328.068	-1.5111u	-1.2961u	-0.7665u
Al 308.215	95317.9	95486.1	95458.4
As 188.980	21.9779	20.4209	17.3517
B 249.678	17.1565	17.8536	18.1830
Ba 389.178	481.698	481.106	482.181
Be 313.042	4.5215	4.5263	4.5200
Ca 370.602	3754	3748	3756
Cd 226.502	-0.1418	-0.1578	-0.2337
Co 228.615	30.1706	30.0068	30.6465
Cr 267.716	103.672	103.580	103.693

Label	Replicates Concentration		
Cu 324.754	58.3443	58.3395	58.0739
Fe 271.441	63884.1	63841.4	63953.8
K 766.491	4798.82	4804.29	4808.39
Mg 279.078	5598.18	5601.70	5591.79
Mn 257.610	1309.36	1307.50	1310.07
Mo 202.032	4.5449	4.4913	3.9695
Na 330.237	367.864u	187.407u	241.090u
Ni 231.604	50.6227	49.1767	50.2702
Pb 220.353	80.1214	82.3428	82.1616
Sb 206.834	1.4290	-5.1411u	0.4126
Se 196.026	-12.5353u	1.2543	-0.4102
Sn 189.925	8.0669	10.7323	6.4009
Sr 216.596	50.2868	50.2959	50.3954
Ti 334.941	584.524	585.662	586.080
Tl 190.794	4.2968u	1.8852u	-1.2778u
V 292.401	159.723	159.666	159.485
Zn 206.200	137.903	135.303	135.877

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-1.1912	ppb	0.3832	32.2	-111.008
Al 308.215	95420.8	ppb	90.2012	0.1	640240
As 188.980	19.9168	ppb	2.3539	11.8	7.1578
B 249.678	17.7310	ppb	0.5242	3.0	171.086
Ba 389.178	481.662	ppb	0.5384	0.1	9889.42
Be 313.042	4.5226	ppb	0.0033	0.1	7191.21
Ca 370.602	3752	ppb	3.827	0.1	8664
Cd 226.502	-0.1777	ppb	0.0491	27.6	254.915
Co 228.615	30.2746	ppb	0.3323	1.1	331.131
Cr 267.716	103.648	ppb	0.0599	0.1	5277.42
Cu 324.754	58.2526	ppb	0.1547	0.3	4465.94
Fe 271.441	63893.1	ppb	56.7294	0.1	90957.5
K 766.491	4803.83	ppb	4.7989	0.1	213459
Mg 279.078	5597.22	ppb	5.0257	0.1	13798.5
Mn 257.610	1308.98	ppb	1.3288	0.1	276816
Mo 202.032	4.3352	ppb	0.3179	7.3	29.9292
Na 330.237	265.454	ppb	92.6626	34.9	15.1723
Ni 231.604	50.0232	ppb	0.7540	1.5	137.453
Pb 220.353	81.5419	ppb	1.2335	1.5	113.853
Sb 206.834	-1.0998	ppb	3.5365	321.6	5.9747
Se 196.026	-3.8971	ppb	7.5270	193.1	1.3826
Sn 189.925	8.4000	ppb	2.1848	26.0	2.1160
Sr 216.596	50.3260	ppb	0.0603	0.1	620.251
Ti 334.941	585.422	ppb	0.8053	0.1	166589
Tl 190.794	1.6348	ppb	2.7957	171.0	-10.4854
V 292.401	159.625	ppb	0.1241	0.1	4171.52
Zn 206.200	136.361	ppb	1.3660	1.0	121.396

680-106108-a-53-a (Samp) **10/13/2014, 6:25:57 PM** **Rack 1, Tube 60**

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

Label	Replicates Concentration		
Ag 328.068	-1.5620u	-1.4188u	-1.6255u
Al 308.215	123438	123444	123861
As 188.980	27.4128	33.3452	30.8696

Label	Replicates Concentration		
B 249.678	18.1607	19.4936	19.4082
Ba 389.178	610.341	608.302	611.977
Be 313.042	6.2171	6.2033	6.2114
Ca 370.602	5261	5235	5242
Cd 226.502	-0.2019	-0.4854	-0.2684
Co 228.615	47.0791	48.3053	46.9017
Cr 267.716	139.333	139.025	139.904
Cu 324.754	79.9637	79.5948	79.8540
Fe 271.441	88508.0	88478.2	88671.5
K 766.491	5690.55	5702.93	5699.84
Mg 279.078	6787.37	6787.04	6811.10
Mn 257.610	2273.08	2268.21	2275.49
Mo 202.032	5.9972	6.0853	5.7114
Na 330.237	508.472u	392.159u	391.337u
Ni 231.604	69.7797	71.0890	69.8171
Pb 220.353	105.649	104.627	102.114
Sb 206.834	-4.3221u	-1.7353	0.6447
Se 196.026	-8.3602u	10.9253	5.9606
Sn 189.925	11.8407	6.5222	11.9059
Sr 216.596	65.3466	65.5680	65.0074
Ti 334.941	609.528	610.447	611.023
Tl 190.794	-5.2424u	-5.1133u	-4.5695u
V 292.401	210.230	210.763	211.423
Zn 206.200	169.043	169.265	171.699

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-1.5354	ppb	0.1059	6.9	-137.568
Al 308.215	123581	ppb	242.787	0.2	829044
As 188.980	30.5425	ppb	2.9797	9.8	13.5283
B 249.678	19.0208	ppb	0.7461	3.9	138.559
Ba 389.178	610.207	ppb	1.8412	0.3	12548.1
Be 313.042	6.2106	ppb	0.0070	0.1	9966.95
Ca 370.602	5246	ppb	13.82	0.3	12046
Cd 226.502	-0.3185	ppb	0.1483	46.5	348.510
Co 228.615	47.4287	ppb	0.7643	1.6	513.340
Cr 267.716	139.421	ppb	0.4462	0.3	7090.97
Cu 324.754	79.8042	ppb	0.1894	0.2	6030.43
Fe 271.441	88552.6	ppb	104.046	0.1	126060
K 766.491	5697.78	ppb	6.4457	0.1	253145
Mg 279.078	6795.17	ppb	13.7989	0.2	16733.7
Mn 257.610	2272.26	ppb	3.7084	0.2	480406
Mo 202.032	5.9313	ppb	0.1955	3.3	38.8990
Na 330.237	430.656	ppb	67.3919	15.6	16.6592
Ni 231.604	70.2286	ppb	0.7454	1.1	195.434
Pb 220.353	104.130	ppb	1.8194	1.7	144.831
Sb 206.834	-1.8042	ppb	2.4841	137.7	6.1470
Se 196.026	2.8419	ppb	10.0139	352.4	4.4684
Sn 189.925	10.0896	ppb	3.0896	30.6	3.2327
Sr 216.596	65.3074	ppb	0.2823	0.4	810.035
Ti 334.941	610.332	ppb	0.7542	0.1	173685
Tl 190.794	-4.9750	ppb	0.3571	7.2	-19.4625
V 292.401	210.805	ppb	0.5976	0.3	5509.46
Zn 206.200	170.002	ppb	1.4735	0.9	150.776

Cont Calib Verif (CCV) **10/13/2014, 6:30:13 PM** **Rack 2, Tube 1**

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

Label	Replicates Concentration		
Ag 328.068	521.407	518.926	522.643
Al 308.215	4977.27	4978.65	4998.12
As 188.980	493.074	491.094	498.505
B 249.678	507.440	509.108	512.404
Ba 389.178	5048.24	5053.29	5066.90
Be 313.042	502.818	502.639	506.291
Ca 370.602	5039	5024	5059
Cd 226.502	514.434	513.984	515.964
Co 228.615	513.615	513.325	517.640
Cr 267.716	5031.51	5028.53	5056.52
Cu 324.754	5205.02	5244.52	5159.14
Fe 271.441	5071.02	5043.25	5095.42
K 766.491	10385.3	10394.4	10414.0
Mg 279.078	5051.53	5046.02	5059.20
Mn 257.610	5135.03	5142.20	5154.18
Mo 202.032	499.708	497.849	502.229
Na 330.237	7759.65	7909.34	7734.44
Ni 231.604	2586.45	2584.71	2590.24
Pb 220.353	510.500	507.187	509.021
Sb 206.834	985.485	985.869	991.942
Se 196.026	5058.22	5060.65	5116.81
Sn 189.925	5044.89	5046.78	5104.24
Sr 216.596	2539.28	2530.43	2547.52
Ti 334.941	501.402	501.309	503.311
Tl 190.794	5150.92	5119.85	5158.59
V 292.401	5025.25	5022.64	5046.03
Zn 206.200	2532.89	2519.96	2546.56

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Ag 328.068	520.992	ppb	1.8930	0.4	40806.5	104.19834
Al 308.215	4984.68	ppb	11.6588	0.2	34460.9	99.69361
As 188.980	494.224	ppb	3.8375	0.8	285.536	98.84487
B 249.678	509.651	ppb	2.5262	0.5	7827.23	101.93019
Ba 389.178	5056.14	ppb	9.6544	0.2	103983	101.12281
Be 313.042	503.916	ppb	2.0587	0.4	827379	100.78313
Ca 370.602	5041	ppb	17.38	0.3	12454	100.81024
Cd 226.502	514.794	ppb	1.0378	0.2	19287.5	102.95878
Co 228.615	514.860	ppb	2.4116	0.5	5409.35	102.97198
Cr 267.716	5038.85	ppb	15.3715	0.3	253326	100.77701
Cu 324.754	5202.90	ppb	42.7291	0.8	375515	104.05790
Fe 271.441	5069.90	ppb	26.1029	0.5	7327.29	101.39796
K 766.491	10397.9	ppb	14.6961	0.1	461802	103.97883
Mg 279.078	5052.25	ppb	6.6186	0.1	12409.9	101.04496
Mn 257.610	5143.80	ppb	9.6714	0.2	1086810	102.87609
Mo 202.032	499.929	ppb	2.1979	0.4	3162.12	99.98576
Na 330.237	7801.14	ppb	94.5423	1.2	376.953	104.01523
Ni 231.604	2587.13	ppb	2.8280	0.1	7178.96	103.48539
Pb 220.353	508.902	ppb	1.6598	0.3	740.191	101.78048
Sb 206.834	987.766	ppb	3.6224	0.4	1368.08	98.77655
Se 196.026	5078.56	ppb	33.1492	0.7	2036.95	101.57127
Sn 189.925	5065.30	ppb	33.7373	0.7	3344.31	101.30608
Sr 216.596	2539.08	ppb	8.5455	0.3	27639.0	101.56305

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Ti 334.941	502.007	ppb	1.1299	0.2	142836	100.40141
Tl 190.794	5143.12	ppb	20.5162	0.4	5095.55	102.86242
V 292.401	5031.30	ppb	12.8171	0.3	130521	100.62608
Zn 206.200	2533.13	ppb	13.3026	0.5	2277.78	101.32538

Cont Calib Blank (CCB) **10/13/2014, 6:34:30 PM** **Rack 2, Tube 2**

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

Label	Replicates Concentration		
Ag 328.068	0.1933	-0.1904u	-0.0468u
Al 308.215	-1.3886u	-1.2330u	-1.1318u
As 188.980	2.3454	-1.3420u	-0.6958u
B 249.678	8.8207	7.8925	6.6924
Ba 389.178	0.6473	0.2655	1.3698
Be 313.042	0.0034	-0.0024u	-0.0091u
Ca 370.602	-2.672u	2.976	0.7684
Cd 226.502	0.2586	0.2112	0.1264
Co 228.615	-0.0212u	0.1837	0.4447
Cr 267.716	0.1720	0.3376	0.4920
Cu 324.754	0.6746	0.9103	0.7093
Fe 271.441	-0.6094u	0.3540	0.8399
K 766.491	3.3545	3.1052	3.0851
Mg 279.078	3.5020	3.2881	2.2914
Mn 257.610	0.4362	0.3784	0.3664
Mo 202.032	0.8605	-0.2832u	0.3398
Na 330.237	51.2127	-236.434u	-44.6055u
Ni 231.604	1.5068	1.1310	1.0226
Pb 220.353	1.0037	-1.6481u	0.5295
Sb 206.834	-3.8473u	-2.6920u	-4.4659u
Se 196.026	4.8558	-0.1640u	0.8153
Sn 189.925	-5.1024u	-4.6924u	-2.1841u
Sr 216.596	-0.0126u	0.6451	0.0090
Ti 334.941	0.2682	0.2738	0.2210
Tl 190.794	0.8959	1.5888	2.2715
V 292.401	0.2946	0.3387	0.2391
Zn 206.200	0.0099	1.3543	-0.4222u

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Ag 328.068	-0.0147	ppb	0.1939	1322.3	-13.9981	-0.01466
Al 308.215	-1.2511	ppb	0.1294	10.3	507.537	-1.25114
As 188.980	0.1025	ppb	1.9691	1920.6	-5.0168	0.10252
B 249.678	7.8019	ppb	1.0671	13.7	154.458	7.80185
Ba 389.178	0.7609	ppb	0.5608	73.7	-44.0614	0.76088
Be 313.042	-0.0027	ppb	0.0062	233.3	-253.194	-0.00268
Ca 370.602	0.3572	ppb	2.846	796.8	14.80	0.35723
Cd 226.502	0.1987	ppb	0.0670	33.7	13.0633	0.19874
Co 228.615	0.2024	ppb	0.2335	115.4	-0.1737	0.20240
Cr 267.716	0.3339	ppb	0.1600	47.9	48.6328	0.33388
Cu 324.754	0.7647	ppb	0.1273	16.6	293.919	0.76474
Fe 271.441	0.1948	ppb	0.7377	378.6	8.7336	0.19485
K 766.491	3.1816	ppb	0.1500	4.7	338.012	3.18161
Mg 279.078	3.0272	ppb	0.6461	21.3	18.9361	3.02716
Mn 257.610	0.3937	ppb	0.0373	9.5	130.393	0.39366
Mo 202.032	0.3057	ppb	0.5726	187.3	7.3841	0.30569

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Na 330.237	-76.6089	ppb	146.469	191.2	17.9837	-76.60888
Ni 231.604	1.2201	ppb	0.2541	20.8	-2.9486	1.22014
Pb 220.353	-0.0383	ppb	1.4141	3691.9	1.0007	-0.03830
Sb 206.834	-3.6684	ppb	0.9004	24.5	-0.4310	-3.66842
Se 196.026	1.8357	ppb	2.6610	145.0	2.9138	1.83570
Sn 189.925	-3.9930	ppb	1.5799	39.6	-6.0747	-3.99297
Sr 216.596	0.2138	ppb	0.3736	174.8	5.2487	0.21381
Ti 334.941	0.2543	ppb	0.0290	11.4	24.3855	0.25432
Tl 190.794	1.5854	ppb	0.6878	43.4	-3.6914	1.58541
V 292.401	0.2908	ppb	0.0500	17.2	2.8687	0.29080
Zn 206.200	0.3140	ppb	0.9265	295.0	1.1046	0.31402

680-106108-a-54-a (Samp) **10/13/2014, 6:38:46 PM** **Rack 2, Tube 3**

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

Label	Replicates Concentration		
Ag 328.068	-1.3789u	-1.2366u	-1.1107u
Al 308.215	89327.0	89195.1	89333.8
As 188.980	16.3254	23.4767	16.3656
B 249.678	13.5967	14.3036	13.7783
Ba 389.178	465.282	464.208	463.549
Be 313.042	4.6982	4.6945	4.6877
Ca 370.602	3601	3587	3586
Cd 226.502	-0.2322	-0.3847	-0.3203
Co 228.615	32.5321	32.7445	33.1474
Cr 267.716	87.9544	87.9785	87.7533
Cu 324.754	56.3939	56.7239	56.3602
Fe 271.441	53837.6	53818.1	53817.8
K 766.491	3447.48	3443.00	3439.36
Mg 279.078	4434.67	4427.19	4439.50
Mn 257.610	1302.49	1300.71	1302.13
Mo 202.032	2.3917	2.6441	2.8759
Na 330.237	192.761u	84.3172u	208.534u
Ni 231.604	46.6476	47.3814	47.5695
Pb 220.353	67.3029	69.6871	71.8482
Sb 206.834	-0.5037	-2.6591u	-0.8527
Se 196.026	-4.4483u	1.6824	-3.2153u
Sn 189.925	7.2040	9.3940	7.2418
Sr 216.596	41.9473	42.5894	42.0897
Ti 334.941	505.364	505.449	504.556
Tl 190.794	-0.2729u	2.7277u	-2.1788u
V 292.401	142.609	142.204	142.294
Zn 206.200	109.165	106.340	107.332

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-1.2421	ppb	0.1342	10.8	-113.224
Al 308.215	89285.3	ppb	78.1862	0.1	599095
As 188.980	18.7226	ppb	4.1172	22.0	6.4571
B 249.678	13.8929	ppb	0.3671	2.6	133.689
Ba 389.178	464.346	ppb	0.8747	0.2	9526.57
Be 313.042	4.6935	ppb	0.0054	0.1	7471.02
Ca 370.602	3591	ppb	8.345	0.2	8347
Cd 226.502	-0.3124	ppb	0.0765	24.5	209.588
Co 228.615	32.8080	ppb	0.3125	1.0	355.565

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Cr 267.716	87.8954	ppb	0.1236	0.1	4480.94
Cu 324.754	56.4927	ppb	0.2010	0.4	4334.90
Fe 271.441	53824.5	ppb	11.3473	0.0	76626.2
K 766.491	3443.28	ppb	4.0691	0.1	153058
Mg 279.078	4433.79	ppb	6.2013	0.1	10923.0
Mn 257.610	1301.78	ppb	0.9422	0.1	275258
Mo 202.032	2.6372	ppb	0.2421	9.2	19.6447
Na 330.237	161.871	ppb	67.6248	41.8	13.1010
Ni 231.604	47.1995	ppb	0.4871	1.0	128.835
Pb 220.353	69.6127	ppb	2.2736	3.3	97.3247
Sb 206.834	-1.3385	ppb	1.1569	86.4	5.2137
Se 196.026	-1.9937	ppb	3.2427	162.6	2.0644
Sn 189.925	7.9466	ppb	1.2537	15.8	1.8163
Sr 216.596	42.2088	ppb	0.3372	0.8	521.014
Ti 334.941	505.123	ppb	0.4926	0.1	143732
Tl 190.794	0.0920	ppb	2.4735	2687.9	-10.8083
V 292.401	142.369	ppb	0.2129	0.1	3719.05
Zn 206.200	107.612	ppb	1.4332	1.3	95.8293

680-106108-a-55-a (Samp) **10/13/2014, 6:43:01 PM** **Rack 2, Tube 4**

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

Label	Replicates Concentration		
Ag 328.068	-1.0364u	-1.0303u	-1.1784u
Al 308.215	78273.5	78320.1	78323.9
As 188.980	18.7729	17.6504	21.5699
B 249.678	11.2990	11.1355	11.3652
Ba 389.178	371.211	369.942	371.041
Be 313.042	3.9041	3.8936	3.9009
Ca 370.602	3063	3048	3066
Cd 226.502	-0.4835	-0.4037	-0.4357
Co 228.615	27.9730	28.1833	28.0986
Cr 267.716	82.4944	82.6475	82.7661
Cu 324.754	41.9954	41.7953	41.7921
Fe 271.441	51510.2	51472.5	51551.5
K 766.491	2730.43	2738.07	2737.90
Mg 279.078	3465.33	3452.30	3457.08
Mn 257.610	1403.26	1402.14	1404.74
Mo 202.032	2.8739	3.0098	3.2571
Na 330.237	24.0365u	155.659u	104.178u
Ni 231.604	38.1534	39.1436	39.4956
Pb 220.353	57.4327	62.2906	59.2568
Sb 206.834	-4.1637u	2.9047	-1.0515
Se 196.026	-1.7230u	-11.4688u	3.1354
Sn 189.925	9.1223	4.6578	9.1732
Sr 216.596	34.2235	34.1009	34.3194
Ti 334.941	480.967	480.581	481.573
Tl 190.794	-3.9765u	-2.7614u	-2.2265u
V 292.401	135.993	136.707	136.788
Zn 206.200	84.4111	86.9836	86.9405

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-1.0817	ppb	0.0838	7.7	-99.5867
Al 308.215	78305.8	ppb	28.0363	0.0	525496

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
As 188.980	19.3311	ppb	2.0185	10.4	6.7252
B 249.678	11.2666	ppb	0.1183	1.0	98.5031
Ba 389.178	370.731	ppb	0.6887	0.2	7598.16
Be 313.042	3.8995	ppb	0.0054	0.1	6166.02
Ca 370.602	3059	ppb	9.637	0.3	7079
Cd 226.502	-0.4410	ppb	0.0401	9.1	195.398
Co 228.615	28.0849	ppb	0.1058	0.4	305.311
Cr 267.716	82.6360	ppb	0.1362	0.2	4215.85
Cu 324.754	41.8609	ppb	0.1164	0.3	3278.51
Fe 271.441	51511.4	ppb	39.5273	0.1	73333.1
K 766.491	2735.47	ppb	4.3648	0.2	121636
Mg 279.078	3458.24	ppb	6.5916	0.2	8511.88
Mn 257.610	1403.38	ppb	1.3015	0.1	296709
Mo 202.032	3.0469	ppb	0.1943	6.4	22.3438
Na 330.237	94.6244	ppb	66.3291	70.1	10.7152
Ni 231.604	38.9309	ppb	0.6959	1.8	105.696
Pb 220.353	59.6600	ppb	2.4539	4.1	83.2482
Sb 206.834	-0.7702	ppb	3.5426	460.0	5.8330
Se 196.026	-3.3522	ppb	7.4371	221.9	1.5223
Sn 189.925	7.6511	ppb	2.5924	33.9	1.6210
Sr 216.596	34.2146	ppb	0.1095	0.3	431.318
Ti 334.941	481.040	ppb	0.5002	0.1	136875
Tl 190.794	-2.9882	ppb	0.8968	30.0	-13.5512
V 292.401	136.496	ppb	0.4373	0.3	3565.36
Zn 206.200	86.1117	ppb	1.4729	1.7	76.4941

680-105803-a-7-a (Samp) **10/13/2014, 6:47:17 PM** **Rack 2, Tube 5**

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

Label	Replicates Concentration		
Ag 328.068	1.9321u	1.8266u	1.8712u
Al 308.215	491.373	496.079	493.766
As 188.980	6.2589	9.1020	12.9210
B 249.678	93.8748	95.5513	94.2662
Ba 389.178	66.8594	69.7972	67.5719
Be 313.042	-0.6470u	-0.6326u	-0.6285u
Ca 370.602	3299153x	3301030x	3293215x
Cd 226.502	0.1297	0.1977	0.4196
Co 228.615	-1.2309u	-1.1925u	-2.0548u
Cr 267.716	26.4398	26.6678	26.3783
Cu 324.754	-0.7744u	-0.7055u	-0.9081u
Fe 271.441	254.844	266.248	259.375
K 766.491	396.049	395.044	396.335
Mg 279.078	9746.81	9734.44	9758.72
Mn 257.610	12.4889	12.5498	12.5554
Mo 202.032	0.7223	0.1468	0.8838
Na 330.237	17051.2	16858.9	17159.7
Ni 231.604	4.2747	5.3360	4.2839
Pb 220.353	8.2330	2.7962	6.9140
Sb 206.834	-2.5134u	-0.6455u	-1.7601u
Se 196.026	13.0044	14.3547	2.5785
Sn 189.925	2.9900	-1.2005u	2.6457
Sr 216.596	40741.0x	40739.3x	40872.0x
Ti 334.941	10.8305	10.7759	10.8261

Label	Replicates Concentration		
Tl 190.794	-2.2544u	-10.9615u	-2.7496u
V 292.401	15.0581	16.1524	15.0334
Zn 206.200	0.3801	6.0708	10.3587

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	1.8766b	ppb	0.0529	2.8	-1167.35
Al 308.215	493.739b	ppb	2.3531	0.5	3827.45
As 188.980	9.4273b	ppb	3.3429	35.5	0.4713
B 249.678	94.5641b	ppb	0.8770	0.9	1479.90
Ba 389.178	68.0761b	ppb	1.5325	2.3	1353.54
Be 313.042	-0.6361b	ppb	0.0097	1.5	-262.269
Ca 370.602	3297799xb	ppb	4079	0.1	7953782
Cd 226.502	0.2490b	ppb	0.1516	60.9	16.0923
Co 228.615	-1.4927b	ppb	0.4872	32.6	-17.7206
Cr 267.716	26.4953b	ppb	0.1525	0.6	1364.24
Cu 324.754	-0.7960b	ppb	0.1030	12.9	181.240
Fe 271.441	260.156b	ppb	5.7421	2.2	378.709
K 766.491	395.809b	ppb	0.6779	0.2	17768.4
Mg 279.078	9746.66b	ppb	12.1443	0.1	24119.6
Mn 257.610	12.5314b	ppb	0.0369	0.3	2809.12
Mo 202.032	0.5843b	ppb	0.3874	66.3	9.1187
Na 330.237	17023.3b	ppb	152.336	0.9	923.311
Ni 231.604	4.6315b	ppb	0.6101	13.2	6.5526
Pb 220.353	5.9811b	ppb	2.8359	47.4	9.6976
Sb 206.834	-1.6397b	ppb	0.9397	57.3	2.5569
Se 196.026	9.9792b	ppb	6.4447	64.6	6.1796
Sn 189.925	1.4784b	ppb	2.3264	157.4	-2.4538
Sr 216.596	40784.1xb	ppb	76.1031	0.2	446043
Ti 334.941	10.8108b	ppb	0.0303	0.3	3044.33
Tl 190.794	-5.3218b	ppb	4.8903	91.9	-10.5411
V 292.401	15.4147b	ppb	0.6390	4.1	395.144
Zn 206.200	5.6032b	ppb	5.0057	89.3	5.8079

680-105803-a-8-a (Samp) **10/13/2014, 6:51:33 PM** **Rack 2, Tube 6**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Replicates Concentration		
Ag 328.068	1.7266u	1.7631u	1.9356u
Al 308.215	1133.69	1133.37	1130.55
As 188.980	12.8483	6.5766	5.4747
B 249.678	90.6943	90.6182	91.1412
Ba 389.178	62.6274	60.6665	61.6085
Be 313.042	-0.5809u	-0.5694u	-0.5721u
Ca 370.602	2923700x	2924106x	2923974x
Cd 226.502	0.4955	0.3546	0.3146
Co 228.615	-0.9425u	-0.8227u	-0.5893u
Cr 267.716	29.0351	28.7090	29.0390
Cu 324.754	1.7906	2.3233	2.2514
Fe 271.441	554.560	553.509	560.047
K 766.491	353.118	353.226	351.497
Mg 279.078	6633.42	6635.97	6627.47
Mn 257.610	17.1731	17.2207	17.1663
Mo 202.032	1.1222	0.1638	0.3465
Na 330.237	13810.8	13748.6	13850.8

Label	Replicates Concentration		
Ni 231.604	4.6477	3.2570	2.4047
Pb 220.353	16.0330	15.2059	12.6399
Sb 206.834	2.9045	1.6873	-1.6141u
Se 196.026	16.1773	11.8178	-15.1097u
Sn 189.925	3.0976	6.0214	5.9158
Sr 216.596	38079.4x	38029.4x	38100.7x
Ti 334.941	17.2277	17.2335	17.5169
Tl 190.794	-8.6618u	-1.6263u	-5.6106u
V 292.401	13.0825	13.1748	13.4538
Zn 206.200	11.0615	8.8948	15.7023

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	1.8084b	ppb	0.1116	6.2	-1088.74
Al 308.215	1132.54b	ppb	1.7274	0.2	8109.59
As 188.980	8.2999b	ppb	3.9774	47.9	-0.1876
B 249.678	90.8179b	ppb	0.2826	0.3	1422.06
Ba 389.178	61.6342b	ppb	0.9807	1.6	1217.15
Be 313.042	-0.5741b	ppb	0.0060	1.0	-273.606
Ca 370.602	2923927xb	ppb	206.9	0.0	7052060
Cd 226.502	0.3882b	ppb	0.0950	24.5	22.4754
Co 228.615	-0.7848b	ppb	0.1796	22.9	-10.1364
Cr 267.716	28.9277b	ppb	0.1894	0.7	1486.66
Cu 324.754	2.1218b	ppb	0.2891	13.6	391.875
Fe 271.441	556.038b	ppb	3.5110	0.6	799.945
K 766.491	352.614b	ppb	0.9684	0.3	15850.8
Mg 279.078	6632.29b	ppb	4.3632	0.1	16415.8
Mn 257.610	17.1867b	ppb	0.0296	0.2	3765.82
Mo 202.032	0.5442b	ppb	0.5088	93.5	8.8538
Na 330.237	13803.4b	ppb	51.4816	0.4	752.578
Ni 231.604	3.4365b	ppb	1.1322	32.9	3.2545
Pb 220.353	14.6263b	ppb	1.7693	12.1	22.1697
Sb 206.834	0.9926b	ppb	2.3381	235.6	6.1001
Se 196.026	4.2951b	ppb	16.9459	394.5	3.9067
Sn 189.925	5.0116b	ppb	1.6584	33.1	-0.1195
Sr 216.596	38069.8xb	ppb	36.5610	0.1	416310
Ti 334.941	17.3260b	ppb	0.1653	1.0	4893.58
Tl 190.794	-5.2996b	ppb	3.5281	66.6	-10.5536
V 292.401	13.2370b	ppb	0.1934	1.5	338.617
Zn 206.200	11.8862b	ppb	3.4779	29.3	11.4707

680-106056-a-1-a (Samp) **10/13/2014, 6:55:48 PM** **Rack 2, Tube 7**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Replicates Concentration		
Ag 328.068	0.0853	0.0833	0.1985
Al 308.215	853.707	853.917	849.681
As 188.980	-2.2766u	3.7836	0.4607
B 249.678	7.1090	6.7456	6.3285
Ba 389.178	50.3217	51.0728	50.6082
Be 313.042	-0.0061u	0.0029	-0.0029u
Ca 370.602	1922	1908	1898
Cd 226.502	1.3970	1.4566	1.4570
Co 228.615	0.8462	1.0264	0.5878
Cr 267.716	4.2901	4.3158	4.5127

Label	Replicates Concentration		
Cu 324.754	12.2737	12.5752	12.1681
Fe 271.441	1349.11	1352.85	1353.57
K 766.491	795.352	797.205	794.511
Mg 279.078	244.453	244.436	244.110
Mn 257.610	687.513	689.415	686.577
Mo 202.032	2.3886	2.3649	2.3149
Na 330.237	3991.55	4186.51	3928.63
Ni 231.604	2.9832	2.4872	2.6889
Pb 220.353	0.1650	0.8265	1.2440
Sb 206.834	0.2832	-2.8255u	-0.2090u
Se 196.026	-8.1016u	-0.0993	1.2011
Sn 189.925	5.6729	8.8061	9.6204
Sr 216.596	16.3027	16.7746	16.0309
Ti 334.941	73.1316	74.3859	71.6450
Tl 190.794	1.9684	-3.7675u	0.9359
V 292.401	1.5761	1.1882	1.2982
Zn 206.200	25.0155	24.2847	25.4391

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	0.1223	ppb	0.0659	53.9	-0.6927
Al 308.215	852.435	ppb	2.3875	0.3	6232.27
As 188.980	0.6559	ppb	3.0348	462.7	-4.6917
B 249.678	6.7277	ppb	0.3906	5.8	135.203
Ba 389.178	50.6676	ppb	0.3791	0.7	983.684
Be 313.042	-0.0020	ppb	0.0046	224.8	-252.358
Ca 370.602	1910	ppb	11.94	0.6	4648
Cd 226.502	1.4369	ppb	0.0345	2.4	64.7989
Co 228.615	0.8201	ppb	0.2205	26.9	7.7669
Cr 267.716	4.3728	ppb	0.1218	2.8	255.601
Cu 324.754	12.3390	ppb	0.2112	1.7	1129.51
Fe 271.441	1351.85	ppb	2.3970	0.2	1932.73
K 766.491	795.690	ppb	1.3784	0.2	35520.7
Mg 279.078	244.333	ppb	0.1933	0.1	602.604
Mn 257.610	687.835	ppb	1.4462	0.2	145369
Mo 202.032	2.3561	ppb	0.0376	1.6	20.2925
Na 330.237	4035.56	ppb	134.461	3.3	234.689
Ni 231.604	2.7198	ppb	0.2495	9.2	1.3193
Pb 220.353	0.7452	ppb	0.5441	73.0	2.1346
Sb 206.834	-0.9171	ppb	1.6710	182.2	3.2877
Se 196.026	-2.3333	ppb	5.0377	215.9	1.3925
Sn 189.925	8.0332	ppb	2.0842	25.9	1.8747
Sr 216.596	16.3694	ppb	0.3763	2.3	183.534
Ti 334.941	73.0542	ppb	1.3721	1.9	20744.1
Tl 190.794	-0.2877	ppb	3.0574	1062.5	-5.3968
V 292.401	1.3542	ppb	0.2000	14.8	31.5495
Zn 206.200	24.9131	ppb	0.5840	2.3	23.2823

mb 680-352988/23-a (Samp) **10/13/2014, 7:00:04 PM** **Rack 2, Tube 8**

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

Label	Replicates Concentration		
Ag 328.068	0.4829	-0.1332u	-0.0056u
Al 308.215	4.4766	3.9076	2.8489
As 188.980	-2.7180u	-1.8960u	-4.8578u

Label	Replicates Concentration		
B 249.678	2.8514	2.4082	1.5014
Ba 389.178	-0.5141u	-0.3005u	-0.0123u
Be 313.042	-0.0288u	-0.0254u	-0.0270u
Ca 370.602	115.4	110.3	112.6
Cd 226.502	0.2969	0.1331	0.1280
Co 228.615	0.2445	0.3127	0.2421
Cr 267.716	1.3101	1.1464	1.2784
Cu 324.754	0.7517	0.6654	0.6016
Fe 271.441	15.9023	16.8341	14.6005
K 766.491	19.3122	19.8205	19.1178
Mg 279.078	12.8240	13.4852	11.0831
Mn 257.610	0.4410	0.4187	0.4211
Mo 202.032	-0.1124u	-0.0300u	0.2724
Na 330.237	120.658	139.370	103.503
Ni 231.604	1.1889	0.2098	1.9928
Pb 220.353	1.3441	-0.9025u	-0.8184u
Sb 206.834	1.2097	-2.8346u	-3.9554u
Se 196.026	1.7447	2.9326	2.4661
Sn 189.925	13.3368	12.5990	12.1106
Sr 216.596	1.0540	1.0277	1.2234
Ti 334.941	0.4934	0.4861	0.4812
Tl 190.794	-1.9658u	0.0229	0.8991
V 292.401	0.0479	0.3001	0.0920
Zn 206.200	5.6382	9.0348	6.9689

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	0.1147	ppb	0.3252	283.5	-3.8865
Al 308.215	3.7444	ppb	0.8261	22.1	541.032
As 188.980	-3.1573	ppb	1.5290	48.4	-6.9343
B 249.678	2.2536	ppb	0.6882	30.5	69.6485
Ba 389.178	-0.2756	ppb	0.2518	91.4	-65.3671
Be 313.042	-0.0270	ppb	0.0017	6.2	-293.165
Ca 370.602	112.8	ppb	2.544	2.3	285.8
Cd 226.502	0.1860	ppb	0.0961	51.6	12.6458
Co 228.615	0.2664	ppb	0.0401	15.0	0.5004
Cr 267.716	1.2450	ppb	0.0868	7.0	94.4466
Cu 324.754	0.6729	ppb	0.0753	11.2	287.292
Fe 271.441	15.7790	ppb	1.1219	7.1	30.9048
K 766.491	19.4168	ppb	0.3628	1.9	1058.76
Mg 279.078	12.4641	ppb	1.2408	10.0	42.2763
Mn 257.610	0.4269	ppb	0.0122	2.9	137.534
Mo 202.032	0.0433	ppb	0.2026	467.5	5.7241
Na 330.237	121.177	ppb	17.9391	14.8	28.3054
Ni 231.604	1.1305	ppb	0.8929	79.0	-3.1963
Pb 220.353	-0.1256	ppb	1.2735	1013.9	0.8744
Sb 206.834	-1.8601	ppb	2.7169	146.1	1.9963
Se 196.026	2.3812	ppb	0.5985	25.1	3.1324
Sn 189.925	12.6821	ppb	0.6173	4.9	4.9462
Sr 216.596	1.1017	ppb	0.1062	9.6	14.9923
Ti 334.941	0.4869	ppb	0.0061	1.3	90.5836
Tl 190.794	-0.3479	ppb	1.4681	421.9	-5.6069
V 292.401	0.1467	ppb	0.1347	91.8	-0.8793
Zn 206.200	7.2140	ppb	1.7115	23.7	7.3399

680-106152-a-1-a (Samp) **10/13/2014, 7:04:21 PM** **Rack 2, Tube 9**

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

Label	Replicates Concentration		
Ag 328.068	1.2002	1.0657	0.7723
Al 308.215	252.316	253.896	253.381
As 188.980	-1.6094u	0.1483u	0.6850
B 249.678	56.9041	57.1929	56.8904
Ba 389.178	138.913	138.576	139.569
Be 313.042	-0.0178u	-0.0197u	-0.0183u
Ca 370.602	52917	53091	53082
Cd 226.502	0.9058	0.8293	0.6719
Co 228.615	-0.2544	-0.1668	0.1189
Cr 267.716	16.8559	17.1932	16.8196
Cu 324.754	17.3015	17.3554	17.2843
Fe 271.441	48600.9	48575.7	48498.7
K 766.491	13682.6	13660.1	13667.1
Mg 279.078	6248.04	6259.68	6249.28
Mn 257.610	1325.74	1326.17	1325.00
Mo 202.032	1.2955	1.9760	1.6788
Na 330.237	101621x	101260x	101669x
Ni 231.604	10.2095	9.1206	10.0652
Pb 220.353	0.0345u	0.6881u	2.1471
Sb 206.834	-0.9623	1.3819	-1.1841
Se 196.026	7.9947	15.0908	8.2799
Sn 189.925	23.9467	16.6889	18.2703
Sr 216.596	78.9749	78.5487	78.7657
Ti 334.941	8.3515	8.3293	8.3454
Tl 190.794	-0.4143u	-3.1327u	-5.1533u
V 292.401	0.2239	0.0350	-0.1094
Zn 206.200	110.237	111.870	115.476

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	1.0127b	ppb	0.2188	21.6	62.4869
Al 308.215	253.198b	ppb	0.8059	0.3	2295.02
As 188.980	-0.2587b	ppb	1.2001	463.9	-5.5073
B 249.678	56.9958b	ppb	0.1708	0.3	803.709
Ba 389.178	139.020b	ppb	0.5050	0.4	2832.93
Be 313.042	-0.0186b	ppb	0.0010	5.3	-275.471
Ca 370.602	53030b	ppb	98.28	0.2	127452
Cd 226.502	0.8023b	ppb	0.1192	14.9	229.496
Co 228.615	-0.1008b	ppb	0.1952	193.7	-0.1914
Cr 267.716	16.9562b	ppb	0.2060	1.2	913.690
Cu 324.754	17.3137b	ppb	0.0371	0.2	1508.38
Fe 271.441	48558.5b	ppb	53.2520	0.1	69125.7
K 766.491	13669.9b	ppb	11.5563	0.1	607062
Mg 279.078	6252.33b	ppb	6.3919	0.1	15451.7
Mn 257.610	1325.64b	ppb	0.5912	0.0	280297
Mo 202.032	1.6501b	ppb	0.3412	20.7	13.7764
Na 330.237	101516xb	ppb	223.730	0.2	5382.82
Ni 231.604	9.7985b	ppb	0.5914	6.0	24.5848
Pb 220.353	0.9566b	ppb	1.0816	113.1	-0.2699
Sb 206.834	-0.2548b	ppb	1.4218	557.9	5.7502
Se 196.026	10.4551b	ppb	4.0171	38.4	7.0124
Sn 189.925	19.6353b	ppb	3.8166	19.4	9.5702
Sr 216.596	78.7631b	ppb	0.2131	0.3	932.271

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ti 334.941	8.3421b	ppb	0.0115	0.1	2334.57
Tl 190.794	-2.9001b	ppb	2.3781	82.0	-13.4193
V 292.401	0.0498b	ppb	0.1671	335.3	12.4914
Zn 206.200	112.528b	ppb	2.6805	2.4	100.660

CRI (Samp) **10/13/2014, 7:08:38 PM** **Rack 2, Tube 10**

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

Label	Replicates Concentration		
Ag 328.068	11.3371	11.2323	11.0842
Al 308.215	207.673	206.286	209.105
As 188.980	21.1286	19.1128	24.6189
B 249.678	107.233	107.639	108.175
Ba 389.178	10.3991	10.8875	10.8478
Be 313.042	4.3172	4.3056	4.3272
Ca 370.602	539.2	536.0	535.0
Cd 226.502	5.6055	5.6463	5.6339
Co 228.615	11.1145	10.9438	11.2466
Cr 267.716	10.7142	10.7807	10.6833
Cu 324.754	22.3286	22.5780	22.3860
Fe 271.441	54.8184	57.0171	52.5621
K 766.491	1101.72	1096.84	1101.39
Mg 279.078	541.642	534.250	539.195
Mn 257.610	11.7259	11.6083	11.6860
Mo 202.032	10.6344	10.5055	10.5150
Na 330.237	914.982	1046.79	877.963
Ni 231.604	43.5277	43.9687	45.2777
Pb 220.353	12.5251	12.5495	8.1758
Sb 206.834	23.7627	18.5582	18.9386
Se 196.026	21.8207	19.5857	26.8674
Sn 189.925	53.5670	49.4033	54.7022
Sr 216.596	10.7118	10.6293	11.0019
Ti 334.941	10.7542	10.7335	10.7836
Tl 190.794	23.4665	28.2191	24.8130
V 292.401	10.8569	10.4510	10.8377
Zn 206.200	22.8125	21.9338	23.6561

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	11.2179	ppb	0.1270	1.1	866.764
Al 308.215	207.688	ppb	1.4094	0.7	1909.70
As 188.980	21.6201	ppb	2.7858	12.9	7.6397
B 249.678	107.682	ppb	0.4726	0.4	1681.17
Ba 389.178	10.7115	ppb	0.2712	2.5	161.441
Be 313.042	4.3166	ppb	0.0108	0.3	6838.45
Ca 370.602	536.7	ppb	2.236	0.4	1312
Cd 226.502	5.6286	ppb	0.0210	0.4	216.463
Co 228.615	11.1016	ppb	0.1518	1.4	114.219
Cr 267.716	10.7261	ppb	0.0498	0.5	571.047
Cu 324.754	22.4309	ppb	0.1306	0.6	1857.16
Fe 271.441	54.7992	ppb	2.2275	4.1	87.7445
K 766.491	1099.98	ppb	2.7243	0.2	49029.6
Mg 279.078	538.362	ppb	3.7659	0.7	1342.81
Mn 257.610	11.6734	ppb	0.0598	0.5	2517.59
Mo 202.032	10.5516	ppb	0.0718	0.7	72.1751

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Na 330.237	946.577	ppb	88.7365	9.4	71.6345
Ni 231.604	44.2580	ppb	0.9102	2.1	116.574
Pb 220.353	11.0835	ppb	2.5181	22.7	17.0630
Sb 206.834	20.4198	ppb	2.9013	14.2	31.6237
Se 196.026	22.7579	ppb	3.7302	16.4	11.2948
Sn 189.925	52.5575	ppb	2.7900	5.3	31.3007
Sr 216.596	10.7810	ppb	0.1957	1.8	119.601
Ti 334.941	10.7571	ppb	0.0252	0.2	3014.41
Tl 190.794	25.4995	ppb	2.4495	9.6	19.9953
V 292.401	10.7152	ppb	0.2290	2.1	271.985
Zn 206.200	22.8008	ppb	0.8612	3.8	21.4058

680-106108-a-34-a (Samp) **10/13/2014, 7:12:55 PM** **Rack 2, Tube 11**

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

Label	Replicates Concentration		
Ag 328.068	-0.3317u	-0.3545u	-0.1196u
Al 308.215	10759.1	10652.5	10611.7
As 188.980	1.0453	1.7338	0.9886
B 249.678	2.7714	2.9195	2.7825
Ba 389.178	151.333	150.310	149.571
Be 313.042	0.2105	0.2106	0.2103
Ca 370.602	1523	1501	1500
Cd 226.502	-0.3901	-0.3394	-0.2813
Co 228.615	10.3487	9.4396	10.0401
Cr 267.716	36.1088	35.4153	35.4827
Cu 324.754	26.7907	26.4454	26.3775
Fe 271.441	19318.4	19132.6	19107.5
K 766.491	8537.47	8444.82	8413.32
Mg 279.078	8102.82	8049.15	8021.17
Mn 257.610	369.507	365.647	364.603
Mo 202.032	0.5193	0.2005	0.5568
Na 330.237	57.2797u	-37.6051u	43.0560u
Ni 231.604	17.3205	18.4023	18.0252
Pb 220.353	2.4439	2.4548	1.4861
Sb 206.834	0.0450	-0.4750	-2.4126u
Se 196.026	2.9668	-4.0297u	-2.4386u
Sn 189.925	-2.0008u	-0.8818u	-1.4727u
Sr 216.596	5.1006	4.4635	4.9307
Ti 334.941	1509.38	1493.17	1486.23
Tl 190.794	-1.3609u	1.1818u	1.5927u
V 292.401	48.1924	47.5428	47.7443
Zn 206.200	43.0530	40.3916	39.7335

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.2686	ppb	0.1295	48.2	-35.3299
Al 308.215	10674.4	ppb	76.0749	0.7	72103.2
As 188.980	1.2559	ppb	0.4149	33.0	-4.3496
B 249.678	2.8245	ppb	0.0825	2.9	37.8592
Ba 389.178	150.405	ppb	0.8845	0.6	3054.76
Be 313.042	0.2104	ppb	0.0002	0.1	99.1681
Ca 370.602	1508	ppb	12.76	0.8	4028
Cd 226.502	-0.3369	ppb	0.0544	16.2	69.9459
Co 228.615	9.9428	ppb	0.4623	4.6	132.669

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Cr 267.716	35.6689	ppb	0.3824	1.1	1837.88
Cu 324.754	26.5379	ppb	0.2216	0.8	2160.59
Fe 271.441	19186.2	ppb	115.194	0.6	27319.4
K 766.491	8465.20	ppb	64.5369	0.8	376002
Mg 279.078	8057.72	ppb	41.4942	0.5	19931.8
Mn 257.610	366.586	ppb	2.5831	0.7	77610.1
Mo 202.032	0.4255	ppb	0.1958	46.0	7.2584
Na 330.237	20.9102	ppb	51.1724	244.7	13.9097
Ni 231.604	17.9160	ppb	0.5491	3.1	44.8681
Pb 220.353	2.1283	ppb	0.5561	26.1	2.2081
Sb 206.834	-0.9476	ppb	1.2951	136.7	4.1518
Se 196.026	-1.1671	ppb	3.6675	314.2	1.9357
Sn 189.925	-1.4518	ppb	0.5598	38.6	-4.3952
Sr 216.596	4.8316	ppb	0.3299	6.8	76.2744
Ti 334.941	1496.26	ppb	11.8770	0.8	425816
Tl 190.794	0.4712	ppb	1.5999	339.5	-6.8495
V 292.401	47.8265	ppb	0.3325	0.7	1266.65
Zn 206.200	41.0594	ppb	1.7576	4.3	37.1178

680-106108-a-35-a (Samp) **10/13/2014, 7:17:12 PM** **Rack 2, Tube 12**

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

Label	Replicates Concentration		
Ag 328.068	-0.2469u	-0.2050u	-0.1643u
Al 308.215	7372.07	7427.11	7431.29
As 188.980	-4.1417u	-1.9977u	-0.9812u
B 249.678	3.0487	3.1727	3.4126
Ba 389.178	102.035	101.862	101.099
Be 313.042	0.1402	0.1374	0.1366
Ca 370.602	1334	1349	1341
Cd 226.502	-0.1663	-0.3113	-0.1787
Co 228.615	7.0964	6.8825	6.7606
Cr 267.716	21.2293	21.3846	21.4480
Cu 324.754	16.2200	16.5754	16.2220
Fe 271.441	13551.0	13668.6	13619.8
K 766.491	5809.53	5858.46	5861.69
Mg 279.078	5385.25	5421.85	5407.25
Mn 257.610	284.343	286.804	286.375
Mo 202.032	0.8212	0.6862	0.7710
Na 330.237	131.059	237.218	279.922
Ni 231.604	11.3471	12.4758	12.0574
Pb 220.353	2.5480	2.3098	3.7656
Sb 206.834	-0.9599u	-1.2549u	1.5343
Se 196.026	0.7495	1.3924	1.9853
Sn 189.925	1.8538	1.7055	1.2038
Sr 216.596	3.7249	4.4020	3.5779
Ti 334.941	1036.95	1045.66	1044.19
Tl 190.794	1.7471	-5.5916u	-1.9816u
V 292.401	36.1931	36.3099	35.8654
Zn 206.200	31.4812	34.6124	28.5971

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.2054	ppb	0.0413	20.1	-29.8462
Al 308.215	7410.16	ppb	33.0501	0.4	50212.4

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
As 188.980	-2.3735	ppb	1.6134	68.0	-6.4829
B 249.678	3.2114	ppb	0.1850	5.8	55.5771
Ba 389.178	101.665	ppb	0.4981	0.5	2045.77
Be 313.042	0.1381	ppb	0.0019	1.4	-20.2291
Ca 370.602	1341	ppb	7.684	0.6	3509
Cd 226.502	-0.2188	ppb	0.0804	36.7	51.9986
Co 228.615	6.9132	ppb	0.1700	2.5	91.5382
Cr 267.716	21.3540	ppb	0.1125	0.5	1114.53
Cu 324.754	16.3392	ppb	0.2046	1.3	1422.69
Fe 271.441	13613.1	ppb	59.0524	0.4	19386.4
K 766.491	5843.22	ppb	29.2236	0.5	259602
Mg 279.078	5404.78	ppb	18.4239	0.3	13372.3
Mn 257.610	285.841	ppb	1.3145	0.5	60515.5
Mo 202.032	0.7594	ppb	0.0683	9.0	9.6251
Na 330.237	216.066	ppb	76.6525	35.5	26.9335
Ni 231.604	11.9601	ppb	0.5706	4.8	27.9056
Pb 220.353	2.8745	ppb	0.7809	27.2	3.8600
Sb 206.834	-0.2269	ppb	1.5323	675.5	4.7853
Se 196.026	1.3757	ppb	0.6181	44.9	2.8938
Sn 189.925	1.5877	ppb	0.3406	21.5	-2.3863
Sr 216.596	3.9016	ppb	0.4395	11.3	60.2368
Ti 334.941	1042.27	ppb	4.6598	0.4	296600
Tl 190.794	-1.9420	ppb	3.6695	188.9	-8.6275
V 292.401	36.1228	ppb	0.2304	0.6	954.059
Zn 206.200	31.5636	ppb	3.0085	9.5	28.7831

Cont Calib Verif (CCV) **10/13/2014, 7:21:28 PM** **Rack 2, Tube 13**

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

Label	Replicates Concentration		
Ag 328.068	521.367	519.376	522.416
Al 308.215	5021.30	4968.51	5016.66
As 188.980	495.276	489.563	496.399
B 249.678	504.625	507.938	510.451
Ba 389.178	5077.21	5071.64	5083.02
Be 313.042	507.770	507.242	506.731
Ca 370.602	5052	5043	5035
Cd 226.502	514.973	514.161	514.666
Co 228.615	513.748	515.268	514.526
Cr 267.716	5054.88	5052.69	5054.52
Cu 324.754	5206.36	5134.30	5234.83
Fe 271.441	5085.80	5061.87	5088.76
K 766.491	10287.0	10304.3	10277.1
Mg 279.078	5066.07	5059.86	5063.02
Mn 257.610	5158.38	5138.73	5143.44
Mo 202.032	501.255	498.896	503.918
Na 330.237	7813.58	7963.71	7601.26
Ni 231.604	2595.52	2588.92	2585.59
Pb 220.353	508.997	510.766	510.280
Sb 206.834	984.055	992.679	986.684
Se 196.026	5036.47	5008.78	5036.06
Sn 189.925	5044.07	5106.23	5092.72
Sr 216.596	2552.75	2547.22	2550.95
Ti 334.941	503.254	502.420	502.820

Label	Replicates Concentration		
Tl 190.794	5124.63	5115.86	5127.25
V 292.401	5052.54	5048.28	5049.28
Zn 206.200	2546.96	2532.81	2533.23

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Ag 328.068	521.053	ppb	1.5440	0.3	40810.8	104.21059
Al 308.215	5002.16	ppb	29.2321	0.6	34580.0	100.04312
As 188.980	493.746	ppb	3.6659	0.7	285.254	98.74922
B 249.678	507.671	ppb	2.9224	0.6	7796.96	101.53423
Ba 389.178	5077.29	ppb	5.6916	0.1	104418	101.54587
Be 313.042	507.248	ppb	0.5195	0.1	832851	101.44957
Ca 370.602	5043	ppb	8.503	0.2	12461	100.86459
Cd 226.502	514.600	ppb	0.4102	0.1	19280.3	102.92000
Co 228.615	514.514	ppb	0.7601	0.1	5405.71	102.90279
Cr 267.716	5054.03	ppb	1.1739	0.0	254089	101.08061
Cu 324.754	5191.83	ppb	51.8202	1.0	374716	103.83662
Fe 271.441	5078.81	ppb	14.7430	0.3	7340.27	101.57616
K 766.491	10289.5	ppb	13.7799	0.1	456990	102.89481
Mg 279.078	5062.98	ppb	3.1054	0.1	12436.3	101.25963
Mn 257.610	5146.85	ppb	10.2624	0.2	1087454	102.93703
Mo 202.032	501.357	ppb	2.5129	0.5	3171.13	100.27131
Na 330.237	7792.85	ppb	182.116	2.3	376.428	103.90467
Ni 231.604	2590.01	ppb	5.0549	0.2	7186.95	103.60052
Pb 220.353	510.014	ppb	0.9139	0.2	741.809	102.00288
Sb 206.834	987.806	ppb	4.4205	0.4	1368.31	98.78060
Se 196.026	5027.10	ppb	15.8686	0.3	2016.35	100.54202
Sn 189.925	5081.00	ppb	32.6945	0.6	3354.68	101.62007
Sr 216.596	2550.31	ppb	2.8201	0.1	27761.5	102.01234
Ti 334.941	502.831	ppb	0.4169	0.1	143070	100.56625
Tl 190.794	5122.58	ppb	5.9637	0.1	5075.24	102.45161
V 292.401	5050.03	ppb	2.2239	0.0	131007	101.00069
Zn 206.200	2537.67	ppb	8.0476	0.3	2281.83	101.50672

Cont Calib Blank (CCB) **10/13/2014, 7:25:44 PM** **Rack 2, Tube 14**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Replicates Concentration		
Ag 328.068	0.2019	0.0755	-0.1590u
Al 308.215	-3.6778u	-3.4608u	-3.3569u
As 188.980	-2.4421u	-0.6818u	4.1903
B 249.678	9.0400	8.4536	6.7546
Ba 389.178	0.1694	0.4981	0.8258
Be 313.042	-0.0030u	0.0064	0.0058
Ca 370.602	8.882	0.8427	3.867
Cd 226.502	0.1415	0.3310	0.1764
Co 228.615	0.0334	0.0383	0.4043
Cr 267.716	0.3038	0.3674	0.4804
Cu 324.754	0.3730	0.7036	0.5849
Fe 271.441	-4.3611u	-6.0516u	-0.0248
K 766.491	1.7139	2.2399	2.3631
Mg 279.078	7.9659	4.0476	5.2799
Mn 257.610	0.2666	0.3478	0.3708
Mo 202.032	0.4221	-0.0097u	0.3922
Na 330.237	110.436	-160.922u	3.8816

Label	Replicates Concentration		
Ni 231.604	1.2442	1.0836	1.1037
Pb 220.353	1.5686	-0.9536u	-0.5883u
Sb 206.834	-1.1907u	-1.3414u	-1.4059u
Se 196.026	0.3944	-0.7517u	4.3633
Sn 189.925	-1.9189u	-4.1425u	-2.8785u
Sr 216.596	0.0183	0.3647	0.2356
Ti 334.941	0.1457	0.1504	0.1252
Tl 190.794	0.6109	-0.8757u	-4.0844u
V 292.401	0.5362	0.1328	0.4376
Zn 206.200	-0.6411u	0.8275	2.4130

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Ag 328.068	0.0395	ppb	0.1831	464.1	-9.7520	0.03946
Al 308.215	-3.4985	ppb	0.1637	4.7	492.486	-3.49850
As 188.980	0.3554	ppb	3.4357	966.6	-4.8681	0.35544
B 249.678	8.0827	ppb	1.1870	14.7	158.781	8.08273
Ba 389.178	0.4978	ppb	0.3282	65.9	-49.4721	0.49777
Be 313.042	0.0031	ppb	0.0053	172.9	-243.777	0.00306
Ca 370.602	4.531	ppb	4.061	89.6	24.82	4.53063
Cd 226.502	0.2163	ppb	0.1008	46.6	13.7188	0.21632
Co 228.615	0.1587	ppb	0.2127	134.1	-0.6369	0.15867
Cr 267.716	0.3839	ppb	0.0895	23.3	51.1461	0.38389
Cu 324.754	0.5538	ppb	0.1675	30.2	278.705	0.55384
Fe 271.441	-3.4792	ppb	3.1087	89.4	3.5049	-3.47917
K 766.491	2.1056	ppb	0.3448	16.4	290.244	2.10562
Mg 279.078	5.7645	ppb	2.0036	34.8	25.7085	5.76447
Mn 257.610	0.3284	ppb	0.0547	16.7	116.618	0.32841
Mo 202.032	0.2682	ppb	0.2411	89.9	7.1469	0.26820
Na 330.237	-15.5345	ppb	136.717	880.1	21.2019	-15.53453
Ni 231.604	1.1438	ppb	0.0875	7.7	-3.1606	1.14383
Pb 220.353	0.0089	ppb	1.3630	15341.7	1.0690	0.00888
Sb 206.834	-1.3127	ppb	0.1104	8.4	2.7076	-1.31266
Se 196.026	1.3353	ppb	2.6842	201.0	2.7134	1.33531
Sn 189.925	-2.9799	ppb	1.1153	37.4	-5.4051	-2.97994
Sr 216.596	0.2062	ppb	0.1751	84.9	5.1705	0.20619
Ti 334.941	0.1404	ppb	0.0134	9.5	-8.0368	0.14041
Tl 190.794	-1.4497	ppb	2.3997	165.5	-6.6961	-1.44972
V 292.401	0.3689	ppb	0.2103	57.0	4.8873	0.36891
Zn 206.200	0.8664	ppb	1.5274	176.3	1.6039	0.86644

680-106108-a-36-a (Samp) **10/13/2014, 7:30:00 PM** **Rack 2, Tube 15**

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

Label	Replicates Concentration		
Ag 328.068	-0.3651u	-0.3986u	-0.5317u
Al 308.215	10712.6	10689.4	10709.7
As 188.980	-2.2471u	0.2119	0.3805
B 249.678	4.9848	5.7015	5.1903
Ba 389.178	155.550	156.697	156.263
Be 313.042	0.2265	0.2227	0.2319
Ca 370.602	2061	2056	2064
Cd 226.502	-0.2344	-0.3581	-0.2613
Co 228.615	9.4690	10.3105	9.6544
Cr 267.716	33.1380	33.1685	33.2874

Label	Replicates Concentration		
Cu 324.754	36.5455	35.9866	36.9060
Fe 271.441	21285.1	21258.4	21281.9
K 766.491	8213.74	8206.50	8234.61
Mg 279.078	7641.32	7640.15	7642.96
Mn 257.610	405.161	404.216	404.838
Mo 202.032	0.2832	1.1769	0.6059
Na 330.237	198.628u	287.394	280.012
Ni 231.604	18.5658	17.5131	17.3881
Pb 220.353	8.6102	8.8741	9.2484
Sb 206.834	0.6334	-3.0318u	0.3638
Se 196.026	11.9803	-3.7756u	5.1662
Sn 189.925	-3.0819u	-0.1187u	-0.2563u
Sr 216.596	5.7770	6.0912	6.4974
Ti 334.941	1447.03	1445.15	1449.55
Tl 190.794	-2.9949u	-1.9843u	0.2287u
V 292.401	45.6509	46.0849	45.7453
Zn 206.200	92.8136	91.0781	91.3292

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.4318	ppb	0.0881	20.4	-48.3203
Al 308.215	10703.9	ppb	12.6819	0.1	72304.0
As 188.980	-0.5515	ppb	1.4708	266.7	-5.4246
B 249.678	5.2922	ppb	0.3690	7.0	71.1805
Ba 389.178	156.170	ppb	0.5790	0.4	3173.88
Be 313.042	0.2270	ppb	0.0046	2.0	126.430
Ca 370.602	2061	ppb	3.800	0.2	5320
Cd 226.502	-0.2846	ppb	0.0651	22.9	80.1960
Co 228.615	9.8113	ppb	0.4422	4.5	130.376
Cr 267.716	33.1980	ppb	0.0790	0.2	1714.66
Cu 324.754	36.4793	ppb	0.4632	1.3	2878.67
Fe 271.441	21275.1	ppb	14.6041	0.1	30292.8
K 766.491	8218.28	ppb	14.5961	0.2	365041
Mg 279.078	7641.48	ppb	1.4161	0.0	18901.5
Mn 257.610	404.739	ppb	0.4803	0.1	85673.3
Mo 202.032	0.6887	ppb	0.4526	65.7	8.8346
Na 330.237	255.345	ppb	49.2565	19.3	24.7778
Ni 231.604	17.8223	ppb	0.6469	3.6	44.7670
Pb 220.353	8.9109	ppb	0.3207	3.6	11.9174
Sb 206.834	-0.6782	ppb	2.0427	301.2	4.5423
Se 196.026	4.4570	ppb	7.9019	177.3	4.2117
Sn 189.925	-1.1523	ppb	1.6725	145.1	-4.1972
Sr 216.596	6.1219	ppb	0.3612	5.9	92.7656
Ti 334.941	1447.24	ppb	2.2115	0.2	411864
Tl 190.794	-1.5835	ppb	1.6488	104.1	-9.1227
V 292.401	45.8270	ppb	0.2282	0.5	1214.68
Zn 206.200	91.7403	ppb	0.9379	1.0	82.8661

680-106108-a-37-a (Samp) **10/13/2014, 7:34:15 PM** **Rack 2, Tube 16**

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

Label	Replicates Concentration		
Ag 328.068	0.0947	-0.1763u	-0.2002u
Al 308.215	10849.6	10876.0	10885.6
As 188.980	-0.0524u	-2.4267u	1.0253

Label	Replicates Concentration		
B 249.678	3.6009	3.5966	3.3826
Ba 389.178	157.476	158.334	158.142
Be 313.042	0.2069	0.1990	0.2160
Ca 370.602	1904	1905	1905
Cd 226.502	-0.2065	-0.3693	-0.4862
Co 228.615	9.4126	8.4135	8.8541
Cr 267.716	36.6900	36.6357	36.7611
Cu 324.754	27.1547	26.4752	27.3033
Fe 271.441	19695.5	19698.2	19718.4
K 766.491	8478.97	8496.58	8479.12
Mg 279.078	8021.96	8040.42	8037.48
Mn 257.610	362.986	362.966	363.401
Mo 202.032	0.8228	0.3601	0.6003
Na 330.237	141.221u	100.881u	107.511u
Ni 231.604	24.0819	23.6955	23.9487
Pb 220.353	1.8991	5.7575	0.8736u
Sb 206.834	0.2862	0.8269	-1.3894u
Se 196.026	0.3947	-0.8334u	-9.3251u
Sn 189.925	-4.5625u	-1.3021u	0.3289
Sr 216.596	5.5682	5.2273	5.2522
Ti 334.941	1497.14	1498.51	1496.19
Tl 190.794	1.4174u	-1.9825u	-1.8001u
V 292.401	47.8169	47.7442	47.8846
Zn 206.200	42.0170	42.4417	42.1311

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.0939	ppb	0.1638	174.4	-21.7422
Al 308.215	10870.4	ppb	18.6326	0.2	73417.6
As 188.980	-0.4846	ppb	1.7661	364.5	-5.3746
B 249.678	3.5267	ppb	0.1248	3.5	47.5203
Ba 389.178	157.984	ppb	0.4502	0.3	3210.91
Be 313.042	0.2073	ppb	0.0085	4.1	94.0651
Ca 370.602	1905	ppb	0.4450	0.0	4979
Cd 226.502	-0.3540	ppb	0.1405	39.7	71.3573
Co 228.615	8.8934	ppb	0.5007	5.6	121.669
Cr 267.716	36.6956	ppb	0.0629	0.2	1889.70
Cu 324.754	26.9777	ppb	0.4415	1.6	2192.54
Fe 271.441	19704.0	ppb	12.5149	0.1	28056.5
K 766.491	8484.89	ppb	10.1242	0.1	376876
Mg 279.078	8033.29	ppb	9.9182	0.1	19871.3
Mn 257.610	363.118	ppb	0.2456	0.1	76878.7
Mo 202.032	0.5944	ppb	0.2314	38.9	8.3043
Na 330.237	116.538	ppb	21.6321	18.6	18.8154
Ni 231.604	23.9087	ppb	0.1963	0.8	61.5542
Pb 220.353	2.8434	ppb	2.5752	90.6	3.2086
Sb 206.834	-0.0921	ppb	1.1555	1254.9	5.3152
Se 196.026	-3.2546	ppb	5.2930	162.6	1.1030
Sn 189.925	-1.8452	ppb	2.4906	135.0	-4.6552
Sr 216.596	5.3492	ppb	0.1900	3.6	82.4604
Ti 334.941	1497.28	ppb	1.1659	0.1	426107
Tl 190.794	-0.7884	ppb	1.9124	242.6	-8.1630
V 292.401	47.8152	ppb	0.0702	0.1	1266.46
Zn 206.200	42.1966	ppb	0.2198	0.5	38.1239

680-106108-a-39-a (Samp) **10/13/2014, 7:38:32 PM** **Rack 2, Tube 17**

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

Label	Replicates Concentration		
Ag 328.068	-0.3924u	-0.2159u	-0.1777u
Al 308.215	11339.6	11328.2	11354.1
As 188.980	3.7227	5.5769	-2.2911u
B 249.678	2.8713u	2.2957u	2.4127u
Ba 389.178	162.818	162.437	163.304
Be 313.042	0.2166	0.2087	0.2195
Ca 370.602	1823	1826	1832
Cd 226.502	-0.2028	-0.3842	-0.3266
Co 228.615	9.7445	10.5615	10.8135
Cr 267.716	33.7866	33.2078	33.6605
Cu 324.754	33.1419	33.0889	32.7445
Fe 271.441	20754.8	20741.3	20816.8
K 766.491	9112.52	9130.14	9143.83
Mg 279.078	8558.31	8554.42	8576.17
Mn 257.610	388.277	388.478	389.228
Mo 202.032	0.6693	0.4551	0.8569
Na 330.237	22.1546u	66.7553u	176.143u
Ni 231.604	16.2666	17.9091	18.5410
Pb 220.353	3.2227	3.9205	5.7463
Sb 206.834	-2.3567u	-0.4243	-2.7307u
Se 196.026	5.1361	-4.8415u	1.0281
Sn 189.925	-3.7896u	-0.1531u	-1.0548u
Sr 216.596	5.9919	5.9837	6.1803
Ti 334.941	1571.69	1571.21	1575.71
Tl 190.794	-3.4655u	1.2907u	2.5141
V 292.401	48.5236	49.1552	49.1899
Zn 206.200	44.0366	45.4879	45.5830

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.2620	ppb	0.1145	43.7	-34.9921
Al 308.215	11340.6	ppb	12.9796	0.1	76571.5
As 188.980	2.3362	ppb	4.1132	176.1	-3.7171
B 249.678	2.5266	ppb	0.3042	12.0	29.9547
Ba 389.178	162.853	ppb	0.4347	0.3	3312.30
Be 313.042	0.2149	ppb	0.0056	2.6	106.655
Ca 370.602	1827	ppb	4.501	0.2	4809
Cd 226.502	-0.3045	ppb	0.0927	30.4	77.4825
Co 228.615	10.3732	ppb	0.5588	5.4	138.725
Cr 267.716	33.5517	ppb	0.3044	0.9	1732.38
Cu 324.754	32.9918	ppb	0.2158	0.7	2626.82
Fe 271.441	20770.9	ppb	40.2463	0.2	29575.3
K 766.491	9128.83	ppb	15.6966	0.2	405464
Mg 279.078	8562.96	ppb	11.5991	0.1	21180.8
Mn 257.610	388.661	ppb	0.5011	0.1	82282.2
Mo 202.032	0.6605	ppb	0.2010	30.4	8.6744
Na 330.237	88.3511	ppb	79.2333	89.7	16.8156
Ni 231.604	17.5722	ppb	1.1740	6.7	44.0326
Pb 220.353	4.2965	ppb	1.3031	30.3	5.2052
Sb 206.834	-1.8373	ppb	1.2378	67.4	2.9892
Se 196.026	0.4409	ppb	5.0147	1137.3	2.5964
Sn 189.925	-1.6658	ppb	1.8937	113.7	-4.5366
Sr 216.596	6.0520	ppb	0.1112	1.8	91.3942

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ti 334.941	1572.87	ppb	2.4702	0.2	447621
Tl 190.794	0.1131	ppb	3.1590	2793.1	-7.3823
V 292.401	48.9562	ppb	0.3751	0.8	1297.78
Zn 206.200	45.0359	ppb	0.8667	1.9	40.6584

680-106108-a-40-a (Samp) **10/13/2014, 7:42:47 PM** **Rack 2, Tube 18**

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

Label	Replicates Concentration		
Ag 328.068	-0.3635u	-0.2294u	-0.1241u
Al 308.215	11294.1	11255.6	11253.2
As 188.980	3.0171	1.4432	-0.8414u
B 249.678	1.9901u	2.7178u	2.4134u
Ba 389.178	161.088	160.745	160.747
Be 313.042	0.2229	0.2181	0.2162
Ca 370.602	1800	1788	1796
Cd 226.502	-0.1169	-0.2223	-0.0568
Co 228.615	9.8551	10.1757	9.7436
Cr 267.716	33.0783	32.6645	32.4689
Cu 324.754	31.8689	31.5322	31.1208
Fe 271.441	20812.2	20773.3	20710.1
K 766.491	8838.82	8837.77	8848.43
Mg 279.078	8482.88	8450.39	8423.57
Mn 257.610	394.436	392.516	391.923
Mo 202.032	0.3518	0.3850	0.0159u
Na 330.237	109.760u	119.005u	169.928u
Ni 231.604	19.4701	18.3202	19.0287
Pb 220.353	3.8815	9.0604	5.2318
Sb 206.834	-1.2589u	-2.6812u	-0.0836
Se 196.026	-0.4130	-3.2438u	6.7617
Sn 189.925	0.5997	-0.1015u	-2.8906u
Sr 216.596	4.7980	5.1373	4.8650
Ti 334.941	1524.38	1520.30	1519.96
Tl 190.794	-3.0216u	-0.2989u	2.0429u
V 292.401	49.8399	49.8787	50.1927
Zn 206.200	48.0208	49.8496	45.8957

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.2390	ppb	0.1200	50.2	-33.1354
Al 308.215	11267.6	ppb	22.9118	0.2	76082.3
As 188.980	1.2063	ppb	1.9401	160.8	-4.3823
B 249.678	2.3738	ppb	0.3655	15.4	27.6262
Ba 389.178	160.860	ppb	0.1976	0.1	3271.16
Be 313.042	0.2190	ppb	0.0035	1.6	113.491
Ca 370.602	1795	ppb	6.334	0.4	4713
Cd 226.502	-0.1320	ppb	0.0838	63.5	83.9198
Co 228.615	9.9248	ppb	0.2243	2.3	133.026
Cr 267.716	32.7373	ppb	0.3111	1.0	1691.34
Cu 324.754	31.5073	ppb	0.3747	1.2	2519.70
Fe 271.441	20765.2	ppb	51.5014	0.2	29567.0
K 766.491	8841.67	ppb	5.8719	0.1	392716
Mg 279.078	8452.28	ppb	29.7012	0.4	20907.0
Mn 257.610	392.958	ppb	1.3133	0.3	83189.2
Mo 202.032	0.2509	ppb	0.2042	81.4	6.0833

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Na 330.237	132.898	ppb	32.4006	24.4	19.2386
Ni 231.604	18.9397	ppb	0.5801	3.1	47.8313
Pb 220.353	6.0579	ppb	2.6865	44.3	7.7778
Sb 206.834	-1.3412	ppb	1.3008	97.0	3.6461
Se 196.026	1.0350	ppb	5.1575	498.3	2.8352
Sn 189.925	-0.7975	ppb	1.8463	231.5	-3.9627
Sr 216.596	4.9334	ppb	0.1797	3.6	79.1507
Ti 334.941	1521.55	ppb	2.4617	0.2	433013
Tl 190.794	-0.4259	ppb	2.5346	595.2	-7.9122
V 292.401	49.9704	ppb	0.1935	0.4	1323.46
Zn 206.200	47.9220	ppb	1.9788	4.1	43.2700

CRI (Samp) **10/13/2014, 7:47:03 PM** **Rack 2, Tube 19**

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

Label	Replicates Concentration		
Ag 328.068	11.0477	11.0983	11.0347
Al 308.215	206.179	205.515	204.184
As 188.980	20.4106	16.2356	18.0986
B 249.678	106.660	106.825	107.092
Ba 389.178	11.3368	10.2640	10.6459
Be 313.042	4.3012	4.3094	4.2841
Ca 370.602	520.5	526.1	529.0
Cd 226.502	5.6802	5.6812	5.5827
Co 228.615	10.7875	11.6331	10.7917
Cr 267.716	10.9327	10.8570	10.7157
Cu 324.754	22.9085	22.7164	22.1225
Fe 271.441	53.9533	56.0705	57.5284
K 766.491	1088.39	1090.14	1081.52
Mg 279.078	536.853	539.930	533.426
Mn 257.610	11.4027	11.4900	11.3799
Mo 202.032	11.0389	10.4470	10.8914
Na 330.237	1039.11	955.677	834.907
Ni 231.604	46.2622	43.2825	46.1600
Pb 220.353	9.7188	14.2984	11.0792
Sb 206.834	21.0234	18.4251	22.8943
Se 196.026	25.3813	22.6219	29.2088
Sn 189.925	53.0743	51.0186	54.9108
Sr 216.596	9.9910	10.7486	10.7916
Ti 334.941	10.9127	10.9712	10.7870
Tl 190.794	27.0369	24.4551	26.7334
V 292.401	10.3576	10.5800	10.8716
Zn 206.200	25.4219	22.6629	22.6938

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	11.0602	ppb	0.0336	0.3	854.414
Al 308.215	205.293	ppb	1.0156	0.5	1893.65
As 188.980	18.2483	ppb	2.0915	11.5	5.6562
B 249.678	106.859	ppb	0.2180	0.2	1668.61
Ba 389.178	10.7489	ppb	0.5438	5.1	162.208
Be 313.042	4.2982	ppb	0.0129	0.3	6808.16
Ca 370.602	525.2	ppb	4.284	0.8	1284
Cd 226.502	5.6480	ppb	0.0566	1.0	217.172
Co 228.615	11.0707	ppb	0.4870	4.4	113.890

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Cr 267.716	10.8351	ppb	0.1101	1.0	576.532
Cu 324.754	22.5825	ppb	0.4098	1.8	1868.10
Fe 271.441	55.8507	ppb	1.7977	3.2	89.2264
K 766.491	1086.68	ppb	4.5534	0.4	48439.2
Mg 279.078	536.736	ppb	3.2539	0.6	1338.80
Mn 257.610	11.4242	ppb	0.0581	0.5	2464.92
Mo 202.032	10.7924	ppb	0.3081	2.9	73.6983
Na 330.237	943.232	ppb	102.669	10.9	71.4467
Ni 231.604	45.2349	ppb	1.6916	3.7	119.287
Pb 220.353	11.6988	ppb	2.3518	20.1	17.9527
Sb 206.834	20.7809	ppb	2.2444	10.8	32.1015
Se 196.026	25.7373	ppb	3.3078	12.9	12.4879
Sn 189.925	53.0013	ppb	1.9471	3.7	31.5940
Sr 216.596	10.5104	ppb	0.4503	4.3	116.616
Ti 334.941	10.8903	ppb	0.0941	0.9	3052.32
Tl 190.794	26.0752	ppb	1.4112	5.4	20.5643
V 292.401	10.6031	ppb	0.2577	2.4	269.019
Zn 206.200	23.5929	ppb	1.5841	6.7	22.1218

mb 680-353343/1-a (Samp) **10/13/2014, 7:51:19 PM** **Rack 2, Tube 20**

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

Label	Replicates Concentration		
Ag 328.068	-0.0819u	0.2139	-0.0016u
Al 308.215	-0.1091u	0.9386	1.0652
As 188.980	-1.7441u	-0.4970u	-2.5763u
B 249.678	3.5214	2.9493	2.7037
Ba 389.178	-0.3864u	-0.2500u	-1.1300u
Be 313.042	-0.0192u	-0.0218u	-0.0216u
Ca 370.602	3.169	2.190	7.112
Cd 226.502	0.3368	0.2537	0.0978
Co 228.615	0.4948	0.3311	0.2134
Cr 267.716	0.2460	0.4002	0.5042
Cu 324.754	0.1324	0.0354	0.2731
Fe 271.441	7.1518	1.5441	3.0066
K 766.491	2.0766	1.5408	1.7325
Mg 279.078	4.0920	-0.2514u	4.7363
Mn 257.610	0.0456	0.0143	0.0736
Mo 202.032	-0.0485u	0.6650	-0.1608u
Na 330.237	54.2085	149.540	133.312
Ni 231.604	0.5591	1.0394	-0.9721u
Pb 220.353	0.3281	3.2350	0.5060
Sb 206.834	-0.6669u	-1.8407u	-2.9168u
Se 196.026	-4.3788u	9.6590	2.9256
Sn 189.925	-0.6946u	-2.9620u	-1.5654u
Sr 216.596	-0.0009u	-0.5795u	-0.1743u
Ti 334.941	0.1511	0.1530	0.1349
Tl 190.794	-1.8212u	0.2203	-1.1190u
V 292.401	-0.0803u	-0.1899u	-0.2223u
Zn 206.200	3.5561	2.9415	4.7401

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	0.0435	ppb	0.1530	351.8	-9.4281
Al 308.215	0.6315	ppb	0.6445	102.1	520.112

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
As 188.980	-1.6058	ppb	1.0465	65.2	-6.0217
B 249.678	3.0581	ppb	0.4195	13.7	81.9633
Ba 389.178	-0.5888	ppb	0.4736	80.4	-71.8292
Be 313.042	-0.0208	ppb	0.0014	6.9	-283.007
Ca 370.602	4.157	ppb	2.606	62.7	23.86
Cd 226.502	0.2294	ppb	0.1213	52.9	14.2323
Co 228.615	0.3464	ppb	0.1413	40.8	1.3405
Cr 267.716	0.3835	ppb	0.1299	33.9	51.1324
Cu 324.754	0.1470	ppb	0.1195	81.3	249.356
Fe 271.441	3.9008	ppb	2.9088	74.6	14.0097
K 766.491	1.7833	ppb	0.2715	15.2	275.934
Mg 279.078	2.8590	ppb	2.7128	94.9	18.5261
Mn 257.610	0.0445	ppb	0.0297	66.7	56.6355
Mo 202.032	0.1519	ppb	0.4479	294.9	6.4115
Na 330.237	112.353	ppb	51.0045	45.4	27.9059
Ni 231.604	0.2088	ppb	1.0505	503.1	-5.7574
Pb 220.353	1.3564	ppb	1.6293	120.1	3.0170
Sb 206.834	-1.8082	ppb	1.1253	62.2	2.0521
Se 196.026	2.7353	ppb	7.0208	256.7	3.2740
Sn 189.925	-1.7407	ppb	1.1438	65.7	-4.5860
Sr 216.596	-0.2516	ppb	0.2970	118.0	0.2055
Ti 334.941	0.1463	ppb	0.0100	6.8	-6.3596
Tl 190.794	-0.9066	ppb	1.0372	114.4	-6.1592
V 292.401	-0.1641	ppb	0.0744	45.3	-8.9316
Zn 206.200	3.7459	ppb	0.9142	24.4	4.2070

lcs 680-353343/2-a (Samp) **10/13/2014, 7:55:36 PM** **Rack 2, Tube 21**

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

Label	Replicates Concentration		
Ag 328.068	51.1114	51.4509	51.1959
Al 308.215	4813.54	4812.32	4816.19
As 188.980	92.4737	105.491	97.6025
B 249.678	195.182	196.356	195.872
Ba 389.178	99.2311	99.7210	99.3536
Be 313.042	51.0144	50.8784	50.8926
Ca 370.602	4842	4833	4817
Cd 226.502	50.5106	50.7729	50.5734
Co 228.615	50.2377	50.2015	50.8679
Cr 267.716	100.842	100.563	100.644
Cu 324.754	103.102	102.079	102.054
Fe 271.441	5006.72	4988.89	5025.12
K 766.491	4900.68	4885.81	4875.78
Mg 279.078	4819.19	4835.89	4838.58
Mn 257.610	518.093	516.677	517.118
Mo 202.032	99.1760	97.6382	99.3538
Na 330.237	4657.10	4814.63	4803.75
Ni 231.604	101.031	101.080	101.154
Pb 220.353	489.358	490.779	492.456
Sb 206.834	45.6842	47.0381	48.6092
Se 196.026	96.3869	96.8261	97.3393
Sn 189.925	195.402	196.223	191.981
Sr 216.596	97.8637	97.2242	97.3717
Ti 334.941	100.321	100.308	100.168

Label	Replicates Concentration		
Tl 190.794	37.5454	34.2178	38.4823
V 292.401	101.427	100.930	100.803
Zn 206.200	101.449	102.444	103.677

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	51.2527	ppb	0.1768	0.3	4005.96
Al 308.215	4814.01	ppb	1.9829	0.0	32807.8
As 188.980	98.5225	ppb	6.5573	6.7	52.8685
B 249.678	195.803	ppb	0.5903	0.3	3017.84
Ba 389.178	99.4352	ppb	0.2550	0.3	1995.38
Be 313.042	50.9284	ppb	0.0747	0.1	83370.1
Ca 370.602	4831	ppb	12.62	0.3	11664
Cd 226.502	50.6189	ppb	0.1370	0.3	1919.70
Co 228.615	50.4357	ppb	0.3747	0.7	527.205
Cr 267.716	100.683	ppb	0.1434	0.1	5096.97
Cu 324.754	102.412	ppb	0.5982	0.6	7631.15
Fe 271.441	5006.91	ppb	18.1184	0.4	7141.70
K 766.491	4887.42	ppb	12.5251	0.3	217170
Mg 279.078	4831.22	ppb	10.5023	0.2	11950.2
Mn 257.610	517.296	ppb	0.7245	0.1	109385
Mo 202.032	98.7227	ppb	0.9434	1.0	629.538
Na 330.237	4758.50	ppb	87.9811	1.8	270.235
Ni 231.604	101.089	ppb	0.0620	0.1	274.720
Pb 220.353	490.864	ppb	1.5510	0.3	710.362
Sb 206.834	47.1105	ppb	1.4638	3.1	66.9230
Se 196.026	96.8508	ppb	0.4766	0.5	41.1055
Sn 189.925	194.535	ppb	2.2499	1.2	125.137
Sr 216.596	97.4865	ppb	0.3349	0.3	1069.89
Ti 334.941	100.266	ppb	0.0849	0.1	28497.2
Tl 190.794	36.7485	ppb	2.2412	6.1	30.7307
V 292.401	101.053	ppb	0.3301	0.3	2605.83
Zn 206.200	102.523	ppb	1.1161	1.1	93.0600

400-96624-h-24-d (Samp) **10/13/2014, 7:59:52 PM** **Rack 2, Tube 22**

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

Label	Replicates Concentration		
Ag 328.068	-0.1790u	-0.3643u	-0.0271u
Al 308.215	11.0251	12.1887	10.4362
As 188.980	1.6723	2.7672	4.9151
B 249.678	64.9696	64.3969	64.8463
Ba 389.178	69.8797	69.9782	69.6532
Be 313.042	-0.0467u	-0.0484u	-0.0414u
Ca 370.602	102140	102266	102126
Cd 226.502	0.1668	0.1474	0.2161
Co 228.615	-0.5123u	-0.2470u	-0.1139u
Cr 267.716	0.4658	0.3647	0.4295
Cu 324.754	0.6799	0.6223	0.6844
Fe 271.441	3659.83	3657.42	3663.55
K 766.491	2575.10	2580.17	2580.52
Mg 279.078	25331.4	25323.3	25295.0
Mn 257.610	431.325	431.634	431.117
Mo 202.032	0.2382	0.6650	-0.2734u
Na 330.237	129547x	129563x	129814x

Label	Replicates Concentration		
Ni 231.604	1.6758	3.5152	3.9802
Pb 220.353	1.8129	1.5501	0.8140
Sb 206.834	-1.4713u	-2.3811u	-0.8334u
Se 196.026	6.6496	8.7329	-3.8690u
Sn 189.925	-3.3150u	-4.2169u	-4.1498u
Sr 216.596	203.890	203.857	202.732
Ti 334.941	0.2788	0.2465	0.2259
Tl 190.794	-6.7196u	-5.1513u	-8.4717u
V 292.401	0.1260	0.0851	0.1845
Zn 206.200	7.4489	7.8930	7.0423

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.1901b	ppb	0.1689	88.8	-33.3832
Al 308.215	11.2167b	ppb	0.8918	8.0	597.275
As 188.980	3.1182b	ppb	1.6496	52.9	-3.2638
B 249.678	64.7376b	ppb	0.3014	0.5	1016.93
Ba 389.178	69.8370b	ppb	0.1667	0.2	1411.47
Be 313.042	-0.0455b	ppb	0.0036	8.0	-305.144
Ca 370.602	102177b	ppb	77.05	0.1	246422
Cd 226.502	0.1768b	ppb	0.0354	20.0	26.4739
Co 228.615	-0.2911b	ppb	0.2028	69.7	-5.1241
Cr 267.716	0.4200b	ppb	0.0512	12.2	58.9466
Cu 324.754	0.6622b	ppb	0.0346	5.2	288.073
Fe 271.441	3660.27b	ppb	3.0895	0.1	5218.35
K 766.491	2578.60b	ppb	3.0309	0.1	114671
Mg 279.078	25316.6b	ppb	19.1032	0.1	62624.4
Mn 257.610	431.359b	ppb	0.2601	0.1	91378.6
Mo 202.032	0.2099b	ppb	0.4698	223.8	6.6193
Na 330.237	129641xb	ppb	149.848	0.1	6886.22
Ni 231.604	3.0570b	ppb	1.2186	39.9	2.4339
Pb 220.353	1.3923b	ppb	0.5178	37.2	2.9273
Sb 206.834	-1.5620b	ppb	0.7778	49.8	2.4893
Se 196.026	3.8378b	ppb	6.7551	176.0	3.8308
Sn 189.925	-3.8939b	ppb	0.5025	12.9	-5.9727
Sr 216.596	203.493b	ppb	0.6590	0.3	2262.43
Ti 334.941	0.2504b	ppb	0.0267	10.6	57.0430
Tl 190.794	-6.7809b	ppb	1.6611	24.5	-12.2201
V 292.401	0.1319b	ppb	0.0500	37.9	-0.6325
Zn 206.200	7.4614b	ppb	0.4255	5.7	7.4265

400-96624-h-24-dSD (Samp) **10/13/2014, 8:04:09 PM** **Rack 2, Tube 23**

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

Label	Replicates Concentration		
Ag 328.068	-0.0129u	-0.1089u	-0.1151u
Al 308.215	-1.5626u	-2.0464u	-2.7050u
As 188.980	1.3829	-0.1369u	-3.0963u
B 249.678	14.7166	14.4366	14.3661
Ba 389.178	14.3871	13.8295	14.2265
Be 313.042	-0.0334u	-0.0320u	-0.0333u
Ca 370.602	21139	20666	20328
Cd 226.502	0.2502	0.0417	0.1371
Co 228.615	0.3654	-0.0664u	0.6405
Cr 267.716	0.2850	0.2830	0.1020

Label	Replicates Concentration		
Cu 324.754	0.2399	0.2495	0.4385
Fe 271.441	782.207	765.053	747.305
K 766.491	482.291	472.157	464.598
Mg 279.078	5347.06	5236.78	5138.82
Mn 257.610	91.2547	89.1756	87.9082
Mo 202.032	0.2036	0.1825	0.8035
Na 330.237	24843.3	24556.1	24130.1
Ni 231.604	0.8997	0.1534	0.6307
Pb 220.353	2.9084	2.9274	-3.6459u
Sb 206.834	-2.8328u	-4.0199u	0.0695
Se 196.026	-2.5849u	-5.1887u	5.7561
Sn 189.925	-0.0343u	-1.6863u	0.0732
Sr 216.596	42.9407	41.5485	41.9450
Ti 334.941	0.0600	0.0741	0.1295
Tl 190.794	-7.1326u	-1.8595u	-4.2877u
V 292.401	0.1291	-0.0173u	-0.3880u
Zn 206.200	1.2566	3.1759	0.1556

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.0790	ppb	0.0573	72.5	-20.2176
Al 308.215	-2.1047	ppb	0.5734	27.2	503.080
As 188.980	-0.6168	ppb	2.2778	369.3	-5.4444
B 249.678	14.5065	ppb	0.1854	1.3	255.325
Ba 389.178	14.1477	ppb	0.2870	2.0	238.474
Be 313.042	-0.0329	ppb	0.0008	2.4	-298.969
Ca 370.602	20711	ppb	407.5	2.0	49960
Cd 226.502	0.1430	ppb	0.1044	73.0	13.9669
Co 228.615	0.3132	ppb	0.3563	113.8	1.0268
Cr 267.716	0.2233	ppb	0.1051	47.0	44.2776
Cu 324.754	0.3093	ppb	0.1120	36.2	261.402
Fe 271.441	764.855	ppb	17.4517	2.3	1097.14
K 766.491	473.015	ppb	8.8773	1.9	21195.9
Mg 279.078	5240.89	ppb	104.182	2.0	12973.2
Mn 257.610	89.4462	ppb	1.6896	1.9	18985.6
Mo 202.032	0.3965	ppb	0.3526	88.9	7.9257
Na 330.237	24509.8	ppb	358.861	1.5	1319.75
Ni 231.604	0.5613	ppb	0.3779	67.3	-4.7204
Pb 220.353	0.7299	ppb	3.7896	519.2	2.0813
Sb 206.834	-2.2611	ppb	2.1038	93.0	1.4637
Se 196.026	-0.6725	ppb	5.7176	850.2	1.9333
Sn 189.925	-0.5491	ppb	0.9863	179.6	-3.7917
Sr 216.596	42.1447	ppb	0.7173	1.7	470.747
Ti 334.941	0.0879	ppb	0.0367	41.8	-15.8057
Tl 190.794	-4.4266	ppb	2.6393	59.6	-9.6960
V 292.401	-0.0921	ppb	0.2665	289.4	-6.9680
Zn 206.200	1.5293	ppb	1.5285	99.9	2.1744

400-96624-h-24-dPDS (Samp) **10/13/2014, 8:08:26 PM** **Rack 2, Tube 24**

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

Label	Replicates Concentration		
Ag 328.068	99.9338	99.7305	99.7238
Al 308.215	1044.02	1043.58	1043.05
As 188.980	98.6763	105.723	101.735

Label	Replicates Concentration		
B 249.678	258.642	259.065	262.264
Ba 389.178	152.810	151.817	152.252
Be 313.042	100.766	100.393	100.581
Ca 370.602	110686	110885	111342
Cd 226.502	99.7149	99.0100	98.8251
Co 228.615	99.1420	99.2881	98.9949
Cr 267.716	100.136	100.253	100.114
Cu 324.754	106.722	107.014	107.431
Fe 271.441	13589.4	13548.0	13572.8
K 766.491	14662.6	14188.6	14676.4
Mg 279.078	35214.5	35150.3	35188.1
Mn 257.610	1462.54	1459.89	1463.21
Mo 202.032	101.527	100.091	100.203
Na 330.237	137845x	137834x	137847x
Ni 231.604	99.5598	98.4822	101.125
Pb 220.353	100.776	97.1223	96.2826
Sb 206.834	101.177	102.817	97.6830
Se 196.026	104.334	104.113	102.551
Sn 189.925	93.7393	96.8358	96.2013
Sr 216.596	300.708	299.280	300.904
Ti 334.941	100.984	100.848	100.859
Tl 190.794	20.3973	18.0784	18.4883
V 292.401	102.361	102.384	102.329
Zn 206.200	103.437	103.579	105.154

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	99.7961b	ppb	0.1194	0.1	7809.40
Al 308.215	1043.55b	ppb	0.4844	0.0	7548.93
As 188.980	102.045b	ppb	3.5335	3.5	54.8554
B 249.678	259.990b	ppb	1.9801	0.8	3981.44
Ba 389.178	152.293b	ppb	0.4974	0.3	3126.23
Be 313.042	100.580b	ppb	0.1864	0.2	164918
Ca 370.602	110971b	ppb	336.7	0.3	267591
Cd 226.502	99.1833b	ppb	0.4695	0.5	3770.71
Co 228.615	99.1417b	ppb	0.1466	0.1	1039.25
Cr 267.716	100.168b	ppb	0.0747	0.1	5081.09
Cu 324.754	107.056b	ppb	0.3564	0.3	7969.84
Fe 271.441	13570.1b	ppb	20.8578	0.2	19335.7
K 766.491	14509.2b	ppb	277.720	1.9	644321
Mg 279.078	35184.3b	ppb	32.2624	0.1	87012.7
Mn 257.610	1461.88b	ppb	1.7537	0.1	309195
Mo 202.032	100.607b	ppb	0.7991	0.8	641.082
Na 330.237	137842xb	ppb	6.7248	0.0	7315.54
Ni 231.604	99.7223b	ppb	1.3288	1.3	271.470
Pb 220.353	98.0604b	ppb	2.3893	2.4	142.136
Sb 206.834	100.559b	ppb	2.6223	2.6	138.387
Se 196.026	103.666b	ppb	0.9716	0.9	44.0916
Sn 189.925	95.5922b	ppb	1.6357	1.7	59.7815
Sr 216.596	300.297b	ppb	0.8866	0.3	3328.83
Ti 334.941	100.897b	ppb	0.0757	0.1	28719.5
Tl 190.794	18.9880b	ppb	1.2376	6.5	12.6755
V 292.401	102.358b	ppb	0.0277	0.0	2641.90
Zn 206.200	104.057b	ppb	0.9533	0.9	94.1196

Cont Calib Verif (CCV) **10/13/2014, 8:12:43 PM** **Rack 2, Tube 25**

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

Label	Replicates Concentration		
Ag 328.068	518.316	518.109	518.839
Al 308.215	4948.54	4985.37	4960.43
As 188.980	488.943	496.344	488.276
B 249.678	507.912	508.566	512.955
Ba 389.178	5052.30	5047.05	5068.32
Be 313.042	503.433	504.600	506.018
Ca 370.602	5021	5031	5050
Cd 226.502	513.144	513.232	514.301
Co 228.615	512.745	511.464	513.940
Cr 267.716	5030.85	5034.71	5048.44
Cu 324.754	5194.75	5137.44	5173.69
Fe 271.441	5050.04	5074.19	5087.22
K 766.491	10225.9	10218.2	10228.6
Mg 279.078	5038.62	5046.10	5057.00
Mn 257.610	5135.69	5131.73	5141.28
Mo 202.032	496.829	503.462	499.924
Na 330.237	7670.92	7639.04	7622.51
Ni 231.604	2581.44	2582.83	2583.49
Pb 220.353	507.319	510.901	508.907
Sb 206.834	985.167	989.887	983.196
Se 196.026	5010.07	5004.93	5032.91
Sn 189.925	5052.22	5124.28	5097.56
Sr 216.596	2545.87	2543.22	2551.36
Ti 334.941	499.184	499.921	502.061
Tl 190.794	5109.37	5121.07	5128.31
V 292.401	5021.57	5029.37	5041.00
Zn 206.200	2538.13	2526.70	2532.90

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Ag 328.068	518.422	ppb	0.3760	0.1	40604.3	103.68430
Al 308.215	4964.78	ppb	18.7988	0.4	34327.6	99.29559
As 188.980	491.188	ppb	4.4781	0.9	283.749	98.23750
B 249.678	509.811	ppb	2.7422	0.5	7829.69	101.96223
Ba 389.178	5055.89	ppb	11.0817	0.2	103978	101.11781
Be 313.042	504.684	ppb	1.2944	0.3	828639	100.93672
Ca 370.602	5034	ppb	14.83	0.3	12438	100.68000
Cd 226.502	513.559	ppb	0.6440	0.1	19241.3	102.71178
Co 228.615	512.716	ppb	1.2381	0.2	5386.79	102.54323
Cr 267.716	5038.00	ppb	9.2471	0.2	253283	100.75997
Cu 324.754	5168.63	ppb	28.9849	0.6	373043	103.37255
Fe 271.441	5070.48	ppb	18.8641	0.4	7328.04	101.40965
K 766.491	10224.2	ppb	5.3940	0.1	454094	102.24245
Mg 279.078	5047.24	ppb	9.2433	0.2	12397.5	100.94483
Mn 257.610	5136.23	ppb	4.7933	0.1	1085211	102.72469
Mo 202.032	500.072	ppb	3.3185	0.7	3163.02	100.01433
Na 330.237	7644.16	ppb	24.6080	0.3	368.662	101.92212
Ni 231.604	2582.59	ppb	1.0486	0.0	7166.33	103.30347
Pb 220.353	509.042	ppb	1.7945	0.4	740.398	101.80846
Sb 206.834	986.083	ppb	3.4385	0.3	1365.91	98.60834
Se 196.026	5015.97	ppb	14.8906	0.3	2011.89	100.31937
Sn 189.925	5091.35	ppb	36.4259	0.7	3361.52	101.82701
Sr 216.596	2546.82	ppb	4.1510	0.2	27723.6	101.87273

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Ti 334.941	500.388	ppb	1.4944	0.3	142375	100.07765
Tl 190.794	5119.58	ppb	9.5550	0.2	5072.24	102.39168
V 292.401	5030.65	ppb	9.7801	0.2	130503	100.61295
Zn 206.200	2532.58	ppb	5.7213	0.2	2277.26	101.30305

Cont Calib Blank (CCB) **10/13/2014, 8:16:58 PM** **Rack 2, Tube 26**

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

Label	Replicates Concentration		
Ag 328.068	0.1694	-0.0428u	0.1208
Al 308.215	-4.1733u	-5.4763u	-7.4367u
As 188.980	4.7540	-0.0555u	0.9672
B 249.678	9.6384	8.5870	7.7842
Ba 389.178	1.2919	0.1393	0.3205
Be 313.042	0.0071	0.0047	0.0043
Ca 370.602	5.993	-1.569u	4.675
Cd 226.502	0.2570	0.1515	0.3463
Co 228.615	0.6688	0.2009	0.8885
Cr 267.716	0.2359	0.3652	0.2040
Cu 324.754	0.4442	0.6597	0.2775
Fe 271.441	-2.6731u	-1.9390u	-6.9851u
K 766.491	1.7873	2.3735	1.8218
Mg 279.078	5.5078	2.8737	1.5996
Mn 257.610	0.4093	0.4453	0.3763
Mo 202.032	0.6556	0.1444	0.3264
Na 330.237	20.2074	10.7895	-63.6473u
Ni 231.604	2.1407	0.9348	1.4039
Pb 220.353	-0.2227u	-0.6216u	-1.8323u
Sb 206.834	-3.1472u	1.6231	2.8679
Se 196.026	1.0642	2.0579	4.1401
Sn 189.925	0.1167	-3.0135u	-0.4469u
Sr 216.596	0.3115	0.5524	0.3707
Ti 334.941	0.0807	0.0445	0.1473
Tl 190.794	3.1598	3.9238	2.4918
V 292.401	0.1483	0.4962	0.5388
Zn 206.200	1.3510	0.0483	2.2416

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Ag 328.068	0.0825	ppb	0.1112	134.8	-6.3825	0.08249
Al 308.215	-5.6954	ppb	1.6427	28.8	477.751	-5.69544
As 188.980	1.8886	ppb	2.5337	134.2	-3.9662	1.88856
B 249.678	8.6699	ppb	0.9299	10.7	167.774	8.66986
Ba 389.178	0.5839	ppb	0.6198	106.1	-47.7016	0.58391
Be 313.042	0.0054	ppb	0.0016	28.9	-239.982	0.00538
Ca 370.602	3.033	ppb	4.039	133.2	21.21	3.03324
Cd 226.502	0.2516	ppb	0.0975	38.7	15.0323	0.25161
Co 228.615	0.5861	ppb	0.3512	59.9	3.8491	0.58608
Cr 267.716	0.2684	ppb	0.0853	31.8	45.3391	0.26838
Cu 324.754	0.4605	ppb	0.1916	41.6	271.970	0.46047
Fe 271.441	-3.8657	ppb	2.7262	70.5	2.9720	-3.86573
K 766.491	1.9942	ppb	0.3289	16.5	285.296	1.99417
Mg 279.078	3.3270	ppb	1.9931	59.9	19.6793	3.32701
Mn 257.610	0.4103	ppb	0.0345	8.4	133.911	0.41031
Mo 202.032	0.3755	ppb	0.2591	69.0	7.8256	0.37550

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Na 330.237	-10.8835	ppb	45.9368	422.1	21.4393	-10.88345
Ni 231.604	1.4931	ppb	0.6079	40.7	-2.1909	1.49313
Pb 220.353	-0.8922	ppb	0.8382	93.9	-0.2338	-0.89223
Sb 206.834	0.4479	ppb	3.1751	708.8	5.0520	0.44793
Se 196.026	2.4207	ppb	1.5697	64.8	3.1481	2.42074
Sn 189.925	-1.1145	ppb	1.6685	149.7	-4.1723	-1.11454
Sr 216.596	0.4115	ppb	0.1256	30.5	7.3930	0.41154
Ti 334.941	0.0908	ppb	0.0521	57.4	-22.1495	0.09083
Tl 190.794	3.1918	ppb	0.7165	22.4	-2.1004	3.19181
V 292.401	0.3944	ppb	0.2142	54.3	5.5543	0.39442
Zn 206.200	1.2136	ppb	1.1031	90.9	1.9183	1.21364

400-96624-h-24-e ms (Samp) **10/13/2014, 8:21:14 PM** **Rack 2, Tube 27**

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

Label	Replicates Concentration		
Ag 328.068	52.9589	52.8290	52.8084
Al 308.215	5161.09	5153.42	5155.65
As 188.980	105.445	97.6247	101.706
B 249.678	263.767	264.810	266.116
Ba 389.178	165.974	165.330	166.039
Be 313.042	51.6791	51.5783	51.6787
Ca 370.602	104556	104533	104822
Cd 226.502	50.5040	50.2870	50.4055
Co 228.615	50.5452	49.5687	49.8384
Cr 267.716	100.606	100.526	100.768
Cu 324.754	106.321	105.306	106.190
Fe 271.441	8507.49	8484.28	8501.81
K 766.491	8613.38	8628.96	8634.57
Mg 279.078	29775.9	29722.2	29741.7
Mn 257.610	932.887	931.571	932.865
Mo 202.032	99.8653	99.2653	99.8934
Na 330.237	133157x	132973x	132403x
Ni 231.604	99.8994	101.905	101.623
Pb 220.353	485.840	488.792	488.569
Sb 206.834	49.1163	48.4803	49.7869
Se 196.026	96.4427	103.305	102.014
Sn 189.925	199.220	201.603	192.441
Sr 216.596	294.742	295.004	294.292
Ti 334.941	100.582	100.503	100.610
Tl 190.794	37.2195	35.8992	34.4766
V 292.401	101.123	101.336	101.937
Zn 206.200	101.709	102.066	105.901

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	52.8654b	ppb	0.0816	0.2	4126.95
Al 308.215	5156.72b	ppb	3.9489	0.1	35110.9
As 188.980	101.592b	ppb	3.9114	3.9	54.6569
B 249.678	264.898b	ppb	1.1771	0.4	4066.50
Ba 389.178	165.781b	ppb	0.3923	0.2	3394.18
Be 313.042	51.6454b	ppb	0.0581	0.1	84565.0
Ca 370.602	104637b	ppb	160.6	0.2	252354
Cd 226.502	50.3989b	ppb	0.1087	0.2	1925.02
Co 228.615	49.9841b	ppb	0.5043	1.0	522.663

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Cr 267.716	100.634b	ppb	0.1231	0.1	5100.29
Cu 324.754	105.939b	ppb	0.5520	0.5	7887.12
Fe 271.441	8497.86b	ppb	12.0972	0.1	12110.6
K 766.491	8625.64b	ppb	10.9781	0.1	383125
Mg 279.078	29746.6b	ppb	27.1932	0.1	73571.0
Mn 257.610	932.441b	ppb	0.7537	0.1	197288
Mo 202.032	99.6746b	ppb	0.3548	0.4	635.407
Na 330.237	132844xb	ppb	392.911	0.3	7052.19
Ni 231.604	101.142b	ppb	1.0857	1.1	275.137
Pb 220.353	487.734b	ppb	1.6437	0.3	705.695
Sb 206.834	49.1278b	ppb	0.6534	1.3	69.7001
Se 196.026	100.587b	ppb	3.6471	3.6	42.7127
Sn 189.925	197.755b	ppb	4.7536	2.4	127.301
Sr 216.596	294.679b	ppb	0.3601	0.1	3259.79
Ti 334.941	100.565b	ppb	0.0554	0.1	28615.6
Tl 190.794	35.8651b	ppb	1.3718	3.8	29.6214
V 292.401	101.465b	ppb	0.4222	0.4	2616.95
Zn 206.200	103.225b	ppb	2.3241	2.3	93.5616

400-96624-h-24-f msd (Samp) **10/13/2014, 8:25:30 PM** **Rack 2, Tube 28**

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

Label	Replicates Concentration		
Ag 328.068	52.8393	52.5861	52.8226
Al 308.215	5168.29	5166.68	5174.58
As 188.980	103.889	104.042	100.053
B 249.678	264.907	264.662	265.483
Ba 389.178	164.386	164.432	164.088
Be 313.042	51.8303	51.7359	51.8141
Ca 370.602	102499	102266	102104
Cd 226.502	50.2848	50.4059	50.8300
Co 228.615	49.8741	49.8357	49.7176
Cr 267.716	100.796	100.221	100.795
Cu 324.754	106.249	106.480	105.910
Fe 271.441	8433.84	8402.42	8407.66
K 766.491	8604.15	8602.06	8593.96
Mg 279.078	29217.9	29165.3	29214.9
Mn 257.610	924.286	922.315	922.977
Mo 202.032	98.7649	98.5066	98.3269
Na 330.237	130252x	129836x	130038x
Ni 231.604	99.9264	100.886	100.292
Pb 220.353	489.447	487.849	488.234
Sb 206.834	47.1750	47.5391	48.6162
Se 196.026	104.549	98.6924	98.2110
Sn 189.925	197.566	194.054	194.076
Sr 216.596	289.405	288.496	290.369
Ti 334.941	100.895	101.035	100.945
Tl 190.794	41.7971	41.5810	39.2448
V 292.401	101.921	101.238	102.117
Zn 206.200	101.189	104.187	104.800

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	52.7493b	ppb	0.1416	0.3	4117.99
Al 308.215	5169.85b	ppb	4.1740	0.1	35198.8

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
As 188.980	102.661b	ppb	2.2604	2.2	55.2869
B 249.678	265.017b	ppb	0.4216	0.2	4068.48
Ba 389.178	164.302b	ppb	0.1868	0.1	3362.97
Be 313.042	51.7934b	ppb	0.0505	0.1	84807.9
Ca 370.602	102290b	ppb	198.5	0.2	246693
Cd 226.502	50.5069b	ppb	0.2863	0.6	1928.74
Co 228.615	49.8091b	ppb	0.0816	0.2	520.851
Cr 267.716	100.604b	ppb	0.3315	0.3	5098.66
Cu 324.754	106.213b	ppb	0.2866	0.3	7906.79
Fe 271.441	8414.64b	ppb	16.8310	0.2	11992.1
K 766.491	8600.05b	ppb	5.3833	0.1	381989
Mg 279.078	29199.4b	ppb	29.5601	0.1	72217.5
Mn 257.610	923.192b	ppb	1.0030	0.1	195329
Mo 202.032	98.5328b	ppb	0.2202	0.2	628.189
Na 330.237	130042xb	ppb	207.932	0.2	6903.80
Ni 231.604	100.368b	ppb	0.4840	0.5	272.980
Pb 220.353	488.510b	ppb	0.8341	0.2	706.822
Sb 206.834	47.7768b	ppb	0.7495	1.6	67.9131
Se 196.026	100.484b	ppb	3.5286	3.5	42.6689
Sn 189.925	195.232b	ppb	2.0211	1.0	125.633
Sr 216.596	289.424b	ppb	0.9365	0.3	3201.60
Ti 334.941	100.958b	ppb	0.0710	0.1	28726.7
Tl 190.794	40.8743b	ppb	1.4153	3.5	34.5894
V 292.401	101.759b	ppb	0.4615	0.5	2624.72
Zn 206.200	103.392b	ppb	1.9325	1.9	93.7155

680-105993-a-1-b (Samp) **10/13/2014, 8:29:45 PM** **Rack 2, Tube 29**

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

Label	Replicates Concentration		
Ag 328.068	-0.3729u	-0.3442u	-0.2244u
Al 308.215	29148.0	29093.7	29071.9
As 188.980	529.763	526.704	523.044
B 249.678	54.8952	54.4802	53.8510
Ba 389.178	2562.91	2561.10	2561.32
Be 313.042	1.3789	1.3831	1.3775
Ca 370.602	287175	286045	288656
Cd 226.502	-0.4532	-0.4397	-0.7634
Co 228.615	21.4906	22.0892	21.9950
Cr 267.716	555.837	556.223	556.194
Cu 324.754	395.094	396.333	394.879
Fe 271.441	47504.3	47489.4	47581.9
K 766.491	13570.6	13592.2	13589.3
Mg 279.078	57000.3	56912.3	56866.4
Mn 257.610	1744.27	1744.35	1746.32
Mo 202.032	3.2708	4.1460	3.4771
Na 330.237	1197.48	1124.67	1150.48
Ni 231.604	35.0004	32.5362	32.0090
Pb 220.353	35.5028	33.0058	33.7255
Sb 206.834	0.9963	-0.3475	3.5171
Se 196.026	12.7187	13.7374	3.1564
Sn 189.925	2.6922	-1.0394u	2.0761
Sr 216.596	337.615	336.943	335.494
Ti 334.941	253.971	252.898	252.915

Label	Replicates Concentration		
Tl 190.794	0.3302u	-0.1292u	-1.8508u
V 292.401	53.1263	53.5331	53.2259
Zn 206.200	191.065	187.574	188.711

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.3138	ppb	0.0788	25.1	-48.7990
Al 308.215	29104.5	ppb	39.1855	0.1	195687
As 188.980	526.504	ppb	3.3640	0.6	304.630
B 249.678	54.4088	ppb	0.5257	1.0	766.414
Ba 389.178	2561.78	ppb	0.9917	0.0	52741.8
Be 313.042	1.3798	ppb	0.0029	0.2	2107.81
Ca 370.602	287292	ppb	1309	0.5	692568
Cd 226.502	-0.5521	ppb	0.1831	33.2	175.948
Co 228.615	21.8583	ppb	0.3219	1.5	236.248
Cr 267.716	556.085	ppb	0.2148	0.0	28017.7
Cu 324.754	395.435	ppb	0.7850	0.2	28784.2
Fe 271.441	47525.2	ppb	49.6678	0.1	67658.8
K 766.491	13584.1	ppb	11.7146	0.1	603249
Mg 279.078	56926.3	ppb	68.0533	0.1	140777
Mn 257.610	1744.98	ppb	1.1633	0.1	369268
Mo 202.032	3.6313	ppb	0.4575	12.6	26.2981
Na 330.237	1157.54	ppb	36.9135	3.2	66.2853
Ni 231.604	33.1819	ppb	1.5968	4.8	89.4189
Pb 220.353	34.0780	ppb	1.2853	3.8	47.6687
Sb 206.834	1.3886	ppb	1.9619	141.3	13.6533
Se 196.026	9.8708	ppb	5.8372	59.1	6.8547
Sn 189.925	1.2430	ppb	2.0004	160.9	-2.6139
Sr 216.596	336.684	ppb	1.0842	0.3	3826.49
Ti 334.941	253.262	ppb	0.6144	0.2	72137.0
Tl 190.794	-0.5499	ppb	1.1497	209.1	-10.6391
V 292.401	53.2951	ppb	0.2120	0.4	1377.86
Zn 206.200	189.117	ppb	1.7805	0.9	168.541

mb 680-353340/1-a (Samp) **10/13/2014, 8:34:01 PM** **Rack 2, Tube 30**

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

Label	Replicates Concentration		
Ag 328.068	-0.0614u	0.1947	0.0043
Al 308.215	-3.8001u	-3.2891u	-3.8942u
As 188.980	-0.6174u	-0.4414u	-4.4621u
B 249.678	3.6607	3.5365	3.2595
Ba 389.178	0.2463	0.1455	-0.1646u
Be 313.042	-0.0148u	-0.0184u	-0.0204u
Ca 370.602	14.88	15.78	19.79
Cd 226.502	0.2554	0.2601	0.0316
Co 228.615	0.3770	0.2660	0.3748
Cr 267.716	0.0692	0.1034	0.2948
Cu 324.754	0.3410	0.2596	0.3820
Fe 271.441	1.3095	-1.1267u	1.4701
K 766.491	4.6311	3.8296	4.0792
Mg 279.078	5.3557	6.9414	5.3656
Mn 257.610	1.6022	1.6428	1.5960
Mo 202.032	0.3223	-0.0266u	0.4682
Na 330.237	92.1075	-35.6717u	26.6439

Label	Replicates Concentration		
Ni 231.604	1.6205	1.0578	0.7186
Pb 220.353	1.8310	-1.8395u	0.0638
Sb 206.834	0.8558	-1.5239u	-3.6550u
Se 196.026	-0.3072u	-4.9998u	1.9756
Sn 189.925	-1.8541u	-3.3794u	-3.0305u
Sr 216.596	0.1716	0.4339	-0.0813u
Ti 334.941	0.0650	0.0661	0.0668
Tl 190.794	2.1133	-0.5669u	-1.9234u
V 292.401	-0.1202u	-0.1195u	-0.3839u
Zn 206.200	8.3287	7.1216	4.6034

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	0.0459	ppb	0.1330	290.0	-9.2474
Al 308.215	-3.6611	ppb	0.3256	8.9	491.346
As 188.980	-1.8403	ppb	2.2722	123.5	-6.1597
B 249.678	3.4855	ppb	0.2054	5.9	88.4987
Ba 389.178	0.0757	ppb	0.2142	282.8	-58.1533
Be 313.042	-0.0179	ppb	0.0029	15.9	-278.207
Ca 370.602	16.82	ppb	2.614	15.5	54.42
Cd 226.502	0.1824	ppb	0.1306	71.6	12.4636
Co 228.615	0.3393	ppb	0.0635	18.7	1.2592
Cr 267.716	0.1558	ppb	0.1216	78.0	39.6938
Cu 324.754	0.3275	ppb	0.0623	19.0	262.387
Fe 271.441	0.5510	ppb	1.4551	264.1	9.2245
K 766.491	4.1800	ppb	0.4101	9.8	382.334
Mg 279.078	5.8875	ppb	0.9126	15.5	25.9886
Mn 257.610	1.6137	ppb	0.0254	1.6	388.166
Mo 202.032	0.2546	ppb	0.2543	99.9	7.0614
Na 330.237	27.6932	ppb	63.8960	230.7	23.3602
Ni 231.604	1.1323	ppb	0.4555	40.2	-3.1921
Pb 220.353	0.0185	ppb	1.8357	9937.0	1.0828
Sb 206.834	-1.4410	ppb	2.2565	156.6	2.5352
Se 196.026	-1.1105	ppb	3.5564	320.3	1.7343
Sn 189.925	-2.7547	ppb	0.7992	29.0	-5.2562
Sr 216.596	0.1747	ppb	0.2576	147.4	4.8323
Ti 334.941	0.0659	ppb	0.0009	1.4	-29.2344
Tl 190.794	-0.1257	ppb	2.0542	1634.6	-5.3861
V 292.401	-0.2079	ppb	0.1524	73.3	-10.0921
Zn 206.200	6.6845	ppb	1.9007	28.4	6.8646

lcs 680-353340/2-a (Samp) **10/13/2014, 8:38:18 PM** **Rack 2, Tube 31**

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

Label	Replicates Concentration		
Ag 328.068	50.7786	51.2277	50.6631
Al 308.215	4899.04	4902.42	4891.51
As 188.980	102.814	96.5029	95.6154
B 249.678	200.472	202.003	202.286
Ba 389.178	100.703	99.4346	99.9718
Be 313.042	51.7513	51.7532	51.7375
Ca 370.602	4834	4832	4864
Cd 226.502	51.0999	51.4874	51.0614
Co 228.615	50.4210	51.1954	51.2397
Cr 267.716	100.128	100.645	100.686

Label	Replicates Concentration		
Cu 324.754	101.460	103.454	102.906
Fe 271.441	5022.14	5041.38	5038.14
K 766.491	5041.82	5058.75	5050.27
Mg 279.078	4951.79	4963.92	4957.15
Mn 257.610	517.362	518.244	518.925
Mo 202.032	98.7258	98.7659	99.7885
Na 330.237	4858.08	4690.31	4639.55
Ni 231.604	100.227	102.791	101.063
Pb 220.353	505.291	500.225	501.784
Sb 206.834	50.4969	44.6766	50.8067
Se 196.026	97.9212	90.1578	96.2678
Sn 189.925	199.823	193.211	196.980
Sr 216.596	98.8944	97.9302	98.5460
Ti 334.941	100.387	100.196	100.152
Tl 190.794	40.2070	43.8601	41.2258
V 292.401	100.267	100.885	100.630
Zn 206.200	102.689	104.083	102.176

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	50.8898	ppb	0.2983	0.6	3977.45
Al 308.215	4897.66	ppb	5.5877	0.1	33368.5
As 188.980	98.3109	ppb	3.9253	4.0	52.7446
B 249.678	201.587	ppb	0.9764	0.5	3106.20
Ba 389.178	100.036	ppb	0.6366	0.6	2007.93
Be 313.042	51.7473	ppb	0.0086	0.0	84714.6
Ca 370.602	4843	ppb	17.73	0.4	11694
Cd 226.502	51.2162	ppb	0.2356	0.5	1942.16
Co 228.615	50.9521	ppb	0.4604	0.9	532.618
Cr 267.716	100.486	ppb	0.3110	0.3	5087.09
Cu 324.754	102.606	ppb	1.0304	1.0	7645.23
Fe 271.441	5033.89	ppb	10.3032	0.2	7180.16
K 766.491	5050.28	ppb	8.4646	0.2	224400
Mg 279.078	4957.62	ppb	6.0796	0.1	12262.8
Mn 257.610	518.177	ppb	0.7836	0.2	109572
Mo 202.032	99.0934	ppb	0.6023	0.6	631.882
Na 330.237	4729.32	ppb	114.367	2.4	268.672
Ni 231.604	101.360	ppb	1.3076	1.3	275.475
Pb 220.353	502.433	ppb	2.5948	0.5	727.085
Sb 206.834	48.6601	ppb	3.4532	7.1	68.9826
Se 196.026	94.7822	ppb	4.0893	4.3	40.2778
Sn 189.925	196.671	ppb	3.3166	1.7	126.549
Sr 216.596	98.4569	ppb	0.4882	0.5	1080.50
Ti 334.941	100.245	ppb	0.1246	0.1	28491.5
Tl 190.794	41.7643	ppb	1.8851	4.5	35.6936
V 292.401	100.594	ppb	0.3103	0.3	2593.83
Zn 206.200	102.983	ppb	0.9869	1.0	93.4744

680-105916-c-1-d (Samp) **10/13/2014, 8:42:34 PM** **Rack 2, Tube 32**

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

Label	Replicates Concentration		
Ag 328.068	0.4810	0.1551	-0.1176u
Al 308.215	30.0746	28.8626	29.9922
As 188.980	-0.3330u	-2.8392u	-5.1645u

Label	Replicates Concentration		
B 249.678	8.4214	8.3341	8.1100
Ba 389.178	9.7831	9.4285	10.6361
Be 313.042	-0.0215u	-0.0201u	-0.0174u
Ca 370.602	2626	2625	2625
Cd 226.502	0.2119	0.2922	0.1920
Co 228.615	0.9365	-0.1089u	0.7293
Cr 267.716	0.7344	0.7064	0.7144
Cu 324.754	0.9333	0.8431	1.0143
Fe 271.441	488.027	482.924	478.688
K 766.491	5251.96	5254.21	5249.83
Mg 279.078	725.896	721.334	723.982
Mn 257.610	11.5814	11.5388	11.5248
Mo 202.032	2.7695	2.7980	2.7894
Na 330.237	570.668	803.279	766.330
Ni 231.604	1.1484	3.2543	1.8459
Pb 220.353	3.6049	4.2037	2.7618
Sb 206.834	1.7989	-3.9167u	-0.6268u
Se 196.026	-4.7235u	4.3453	-2.4394u
Sn 189.925	-1.4832u	-1.4742u	-1.1129u
Sr 216.596	7.9220	7.8968	7.5851
Ti 334.941	0.6831	0.6309	0.6948
Tl 190.794	-2.1156u	0.2479	2.6186
V 292.401	0.1027	0.0787	0.1793
Zn 206.200	15.1964	16.5180	16.1778

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	0.1728	ppb	0.2997	173.4	0.4174
Al 308.215	29.6431	ppb	0.6772	2.3	715.568
As 188.980	-2.7789	ppb	2.4163	87.0	-6.7149
B 249.678	8.2885	ppb	0.1606	1.9	160.914
Ba 389.178	9.9493	ppb	0.6207	6.2	146.159
Be 313.042	-0.0197	ppb	0.0021	10.6	-280.949
Ca 370.602	2626	ppb	0.6369	0.0	6342
Cd 226.502	0.2320	ppb	0.0530	22.8	16.2640
Co 228.615	0.5190	ppb	0.5536	106.7	3.1278
Cr 267.716	0.7184	ppb	0.0144	2.0	68.2466
Cu 324.754	0.9302	ppb	0.0856	9.2	306.167
Fe 271.441	483.213	ppb	4.6761	1.0	696.273
K 766.491	5252.00	ppb	2.1883	0.0	233355
Mg 279.078	723.737	ppb	2.2906	0.3	1801.41
Mn 257.610	11.5483	ppb	0.0295	0.3	2493.81
Mo 202.032	2.7857	ppb	0.0146	0.5	23.0485
Na 330.237	713.425	ppb	125.004	17.5	59.3306
Ni 231.604	2.0829	ppb	1.0728	51.5	-0.5154
Pb 220.353	3.5234	ppb	0.7244	20.6	6.1191
Sb 206.834	-0.9149	ppb	2.8687	313.6	3.2152
Se 196.026	-0.9392	ppb	4.7168	502.2	1.8087
Sn 189.925	-1.3567	ppb	0.2113	15.6	-4.3321
Sr 216.596	7.8013	ppb	0.1876	2.4	89.4145
Ti 334.941	0.6696	ppb	0.0340	5.1	143.812
Tl 190.794	0.2503	ppb	2.3671	945.6	-5.0747
V 292.401	0.1202	ppb	0.0526	43.7	-1.8014
Zn 206.200	15.9641	ppb	0.6862	4.3	15.2344

680-105916-c-1-dSD (Samp) **10/13/2014, 8:46:50 PM** **Rack 2, Tube 33**

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

Label	Replicates Concentration		
Ag 328.068	-0.0410u	0.4712	0.2227
Al 308.215	2.2593	0.7739	1.2831
As 188.980	0.4427	0.7154	1.2442
B 249.678	2.7564	2.8531	1.7839
Ba 389.178	2.2823	2.1857	2.8297
Be 313.042	-0.0202u	-0.0264u	-0.0289u
Ca 370.602	523.4	519.0	521.4
Cd 226.502	0.1983	0.3544	0.1831
Co 228.615	0.6033	0.6395	0.4415
Cr 267.716	0.0844	0.2237	0.2344
Cu 324.754	0.0256	0.2171	0.1854
Fe 271.441	99.0651	91.5215	90.9223
K 766.491	1079.82	1073.54	1071.05
Mg 279.078	146.338	144.097	144.116
Mn 257.610	2.3122	2.3181	2.3084
Mo 202.032	0.4408	-0.0195u	0.3585
Na 330.237	104.263	114.434	150.363
Ni 231.604	0.8285	0.8069	2.1595
Pb 220.353	2.9358	0.1480	3.9236
Sb 206.834	-1.2019u	-1.7902u	-2.5181u
Se 196.026	5.1523	0.8842	-2.0993u
Sn 189.925	-0.7687u	-0.4792u	-2.0071u
Sr 216.596	1.6334	1.3816	1.4508
Ti 334.941	0.1637	0.0921	0.1207
Tl 190.794	3.9983	-1.2002u	0.1413
V 292.401	-0.1597u	0.0060	0.1528
Zn 206.200	4.1974	3.5817	1.6187

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	0.2176	ppb	0.2561	117.7	4.1721
Al 308.215	1.4388	ppb	0.7548	52.5	525.704
As 188.980	0.8008	ppb	0.4075	50.9	-4.6066
B 249.678	2.4645	ppb	0.5914	24.0	72.7100
Ba 389.178	2.4326	ppb	0.3473	14.3	-9.4388
Be 313.042	-0.0252	ppb	0.0045	18.0	-290.079
Ca 370.602	521.2	ppb	2.218	0.4	1270
Cd 226.502	0.2453	ppb	0.0948	38.7	15.1832
Co 228.615	0.5614	ppb	0.1054	18.8	3.5968
Cr 267.716	0.1809	ppb	0.0837	46.3	40.9957
Cu 324.754	0.1427	ppb	0.1026	71.9	249.094
Fe 271.441	93.8363	ppb	4.5382	4.8	142.016
K 766.491	1074.81	ppb	4.5194	0.4	47911.9
Mg 279.078	144.850	ppb	1.2882	0.9	369.701
Mn 257.610	2.3129	ppb	0.0049	0.2	537.206
Mo 202.032	0.2599	ppb	0.2455	94.4	7.0907
Na 330.237	123.020	ppb	24.2195	19.7	28.4630
Ni 231.604	1.2650	ppb	0.7747	61.2	-2.8169
Pb 220.353	2.3358	ppb	1.9580	83.8	4.4276
Sb 206.834	-1.8368	ppb	0.6593	35.9	2.0105
Se 196.026	1.3124	ppb	3.6447	277.7	2.7054
Sn 189.925	-1.0850	ppb	0.8116	74.8	-4.1527
Sr 216.596	1.4886	ppb	0.1301	8.7	19.4465

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ti 334.941	0.1255	ppb	0.0361	28.7	-12.0398
Tl 190.794	0.9798	ppb	2.6988	275.4	-4.3022
V 292.401	-0.0003	ppb	0.1563	51130.1	-4.6709
Zn 206.200	3.1326	ppb	1.3467	43.0	3.6496

680-105916-c-1-dPDS (Samp) **10/13/2014, 8:51:07 PM** **Rack 2, Tube 34**

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

Label	Replicates Concentration		
Ag 328.068	97.8106	97.7588	98.0978
Al 308.215	1001.56	1005.53	1005.82
As 188.980	96.0428	95.5920	98.1488
B 249.678	202.201	203.991	204.186
Ba 389.178	95.9340	96.8091	96.3584
Be 313.042	100.740	100.957	100.962
Ca 370.602	12241	12234	12250
Cd 226.502	100.941	101.752	101.115
Co 228.615	100.979	101.760	102.108
Cr 267.716	100.508	100.961	100.986
Cu 324.754	103.809	104.802	103.806
Fe 271.441	10541.9	10575.1	10562.9
K 766.491	14824.5	14854.0	14815.3
Mg 279.078	10731.6	10764.5	10771.1
Mn 257.610	1056.49	1059.80	1058.36
Mo 202.032	103.356	102.504	102.805
Na 330.237	9131.71	9724.84	9519.73
Ni 231.604	104.200	103.940	104.125
Pb 220.353	101.087	100.138	100.986
Sb 206.834	95.7602	93.2764	94.8292
Se 196.026	98.4867	92.5541	98.8647
Sn 189.925	103.898	101.113	105.239
Sr 216.596	108.246	107.936	108.168
Ti 334.941	101.192	101.654	101.658
Tl 190.794	17.2016	15.6803	20.3012
V 292.401	102.417	102.217	102.162
Zn 206.200	113.062	116.576	114.451

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	97.8891	ppb	0.1827	0.2	7665.14
Al 308.215	1004.31	ppb	2.3795	0.2	7280.92
As 188.980	96.5945	ppb	1.3648	1.4	51.6657
B 249.678	203.459	ppb	1.0940	0.5	3123.77
Ba 389.178	96.3672	ppb	0.4376	0.5	1942.73
Be 313.042	100.886	ppb	0.1265	0.1	165403
Ca 370.602	12242	ppb	8.246	0.1	29493
Cd 226.502	101.269	ppb	0.4270	0.4	3837.09
Co 228.615	101.616	ppb	0.5781	0.6	1064.99
Cr 267.716	100.818	ppb	0.2690	0.3	5108.22
Cu 324.754	104.139	ppb	0.5739	0.6	7758.26
Fe 271.441	10559.9	ppb	16.7931	0.2	15051.3
K 766.491	14831.3	ppb	20.2452	0.1	658619
Mg 279.078	10755.8	ppb	21.1695	0.2	26595.8
Mn 257.610	1058.22	ppb	1.6626	0.2	223723
Mo 202.032	102.888	ppb	0.4320	0.4	655643

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Na 330.237	9458.76	ppb	301.229	3.2	517.429
Ni 231.604	104.088	ppb	0.1337	0.1	283.363
Pb 220.353	100.737	ppb	0.5211	0.5	146.111
Sb 206.834	94.6219	ppb	1.2548	1.3	130.356
Se 196.026	96.6352	ppb	3.5393	3.7	41.1714
Sn 189.925	103.417	ppb	2.1044	2.0	64.9169
Sr 216.596	108.116	ppb	0.1610	0.1	1194.26
Ti 334.941	101.502	ppb	0.2676	0.3	28859.1
Tl 190.794	17.7277	ppb	2.3550	13.3	11.6056
V 292.401	102.265	ppb	0.1344	0.1	2638.70
Zn 206.200	114.696	ppb	1.7701	1.5	103.853

680-105916-c-1-e ms (Samp) **10/13/2014, 8:55:24 PM** **Rack 2, Tube 35**

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

Label	Replicates Concentration		
Ag 328.068	52.3058	52.2700	52.0316
Al 308.215	4909.05	4926.15	4928.52
As 188.980	101.483	97.0636	100.324
B 249.678	206.109	206.553	206.771
Ba 389.178	109.569	110.307	110.369
Be 313.042	51.5834	51.7012	51.6794
Ca 370.602	7540	7553	7518
Cd 226.502	50.7633	50.7962	51.1514
Co 228.615	50.7325	51.0335	50.8139
Cr 267.716	100.454	101.034	100.615
Cu 324.754	103.722	103.702	102.463
Fe 271.441	5460.90	5469.39	5449.97
K 766.491	10325.9	10353.2	10388.5
Mg 279.078	5658.46	5671.86	5676.11
Mn 257.610	527.834	528.205	527.184
Mo 202.032	101.313	100.386	100.604
Na 330.237	5344.12	5253.68	5416.69
Ni 231.604	103.839	103.788	102.477
Pb 220.353	499.902	503.128	498.082
Sb 206.834	51.5309	46.5964	51.0941
Se 196.026	94.0150	102.329	101.844
Sn 189.925	195.596	198.466	195.769
Sr 216.596	105.900	106.374	105.044
Ti 334.941	100.506	100.866	100.816
Tl 190.794	38.3781	37.4126	37.9005
V 292.401	100.978	101.237	100.826
Zn 206.200	118.360	116.655	122.687

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	52.2025	ppb	0.1491	0.3	4080.14
Al 308.215	4921.24	ppb	10.6251	0.2	33527.4
As 188.980	99.6234	ppb	2.2913	2.3	53.5140
B 249.678	206.478	ppb	0.3376	0.2	3180.08
Ba 389.178	110.082	ppb	0.4452	0.4	2215.73
Be 313.042	51.6547	ppb	0.0627	0.1	84562.8
Ca 370.602	7537	ppb	17.87	0.2	18187
Cd 226.502	50.9036	ppb	0.2152	0.4	1932.15
Co 228.615	50.8599	ppb	0.1557	0.3	531.642

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Cr 267.716	100.701	ppb	0.2991	0.3	5098.13
Cu 324.754	103.296	ppb	0.7215	0.7	7695.19
Fe 271.441	5460.09	ppb	9.7335	0.2	7786.81
K 766.491	10355.9	ppb	31.3521	0.3	459936
Mg 279.078	5668.81	ppb	9.2156	0.2	14021.7
Mn 257.610	527.741	ppb	0.5168	0.1	111599
Mo 202.032	100.768	ppb	0.4847	0.5	642.452
Na 330.237	5338.17	ppb	81.6658	1.5	300.458
Ni 231.604	103.368	ppb	0.7721	0.7	281.084
Pb 220.353	500.370	ppb	2.5554	0.5	724.076
Sb 206.834	49.7405	ppb	2.7316	5.5	70.4053
Se 196.026	99.3963	ppb	4.6666	4.7	42.1306
Sn 189.925	196.611	ppb	1.6095	0.8	126.509
Sr 216.596	105.773	ppb	0.6741	0.6	1161.64
Ti 334.941	100.729	ppb	0.1951	0.2	28630.4
Tl 190.794	37.8971	ppb	0.4828	1.3	31.8129
V 292.401	101.014	ppb	0.2079	0.2	2604.62
Zn 206.200	119.234	ppb	3.1095	2.6	108.151

680-105916-c-1-f msd (Samp) **10/13/2014, 8:59:41 PM** **Rack 2, Tube 36**

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

Label	Replicates Concentration		
Ag 328.068	50.9507	50.3262	50.5705
Al 308.215	4856.77	4839.02	4844.47
As 188.980	102.211	92.9818	99.0972
B 249.678	205.148	205.650	205.205
Ba 389.178	108.231	108.354	108.782
Be 313.042	50.8742	50.6823	50.8344
Ca 370.602	7407	7398	7438
Cd 226.502	50.6823	50.2159	50.3494
Co 228.615	50.2525	50.4106	50.1890
Cr 267.716	99.1285	98.9330	99.1829
Cu 324.754	101.553	101.509	102.346
Fe 271.441	5378.22	5365.39	5363.09
K 766.491	10199.1	10171.4	10171.3
Mg 279.078	5594.93	5567.50	5593.35
Mn 257.610	521.360	519.599	521.180
Mo 202.032	100.260	98.9922	98.8177
Na 330.237	5347.92	5332.20	5368.30
Ni 231.604	101.508	100.323	102.106
Pb 220.353	496.657	490.319	498.923
Sb 206.834	52.2895	49.1047	48.1984
Se 196.026	92.8789	99.1502	95.7523
Sn 189.925	197.207	194.998	195.477
Sr 216.596	105.043	104.039	104.105
Ti 334.941	99.1926	98.7599	98.9830
Tl 190.794	36.5191	35.4878	39.7453
V 292.401	99.4642	98.6568	99.5469
Zn 206.200	115.907	111.412	114.710

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	50.6158	ppb	0.3147	0.6	3955.71
Al 308.215	4846.75	ppb	9.0938	0.2	33027.7

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
As 188.980	98.0967	ppb	4.6953	4.8	52.6162
B 249.678	205.334	ppb	0.2748	0.1	3162.80
Ba 389.178	108.455	ppb	0.2892	0.3	2182.11
Be 313.042	50.7970	ppb	0.1013	0.2	83154.5
Ca 370.602	7415	ppb	21.21	0.3	17891
Cd 226.502	50.4159	ppb	0.2402	0.5	1913.53
Co 228.615	50.2841	ppb	0.1141	0.2	525.589
Cr 267.716	99.0815	ppb	0.1314	0.1	5016.65
Cu 324.754	101.803	ppb	0.4712	0.5	7587.42
Fe 271.441	5368.90	ppb	8.1524	0.2	7656.90
K 766.491	10180.6	ppb	16.0117	0.2	452158
Mg 279.078	5585.26	ppb	15.3999	0.3	13815.2
Mn 257.610	520.713	ppb	0.9687	0.2	110113
Mo 202.032	99.3565	ppb	0.7870	0.8	633.533
Na 330.237	5349.47	ppb	18.1023	0.3	301.183
Ni 231.604	101.312	ppb	0.9075	0.9	275.370
Pb 220.353	495.300	ppb	4.4593	0.9	716.752
Sb 206.834	49.8642	ppb	2.1487	4.3	70.5733
Se 196.026	95.9271	ppb	3.1393	3.3	40.7392
Sn 189.925	195.894	ppb	1.1622	0.6	126.035
Sr 216.596	104.396	ppb	0.5615	0.5	1146.53
Ti 334.941	98.9785	ppb	0.2164	0.2	28132.1
Tl 190.794	37.2507	ppb	2.2210	6.0	31.1808
V 292.401	99.2226	ppb	0.4918	0.5	2558.29
Zn 206.200	114.010	ppb	2.3279	2.0	103.435

Cont Calib Verif (CCV) **10/13/2014, 9:03:58 PM** **Rack 2, Tube 37**

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

Label	Replicates Concentration		
Ag 328.068	517.165	512.821	512.644
Al 308.215	4969.00	4931.38	4921.54
As 188.980	486.295	491.472	495.898
B 249.678	506.820	508.404	508.709
Ba 389.178	5011.87	5017.61	5010.97
Be 313.042	502.184	500.684	501.795
Ca 370.602	4968	4961	4949
Cd 226.502	509.619	509.789	508.950
Co 228.615	510.762	507.557	507.823
Cr 267.716	5002.13	4996.09	4984.83
Cu 324.754	5188.89	5188.01	5177.81
Fe 271.441	5030.41	5040.68	5034.64
K 766.491	10232.1	10259.4	10217.9
Mg 279.078	5001.64	5009.06	4994.50
Mn 257.610	5076.00	5072.14	5084.40
Mo 202.032	495.003	495.103	496.522
Na 330.237	7702.69	7687.85	7669.78
Ni 231.604	2564.22	2560.65	2550.49
Pb 220.353	503.716	504.456	501.658
Sb 206.834	979.791	984.104	970.844
Se 196.026	4998.00	4992.25	4990.55
Sn 189.925	5070.47	5048.42	4985.17
Sr 216.596	2521.75	2520.02	2512.15
Ti 334.941	497.545	498.011	497.413

Label	Replicates Concentration		
Tl 190.794	5087.13	5087.23	5057.33
V 292.401	5000.23	5001.16	4990.24
Zn 206.200	2510.92	2506.62	2502.02

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Ag 328.068	514.210	ppb	2.5606	0.5	40274.4	102.84203
Al 308.215	4940.64	ppb	25.0436	0.5	34162.5	98.81284
As 188.980	491.221	ppb	4.8065	1.0	283.770	98.24430
B 249.678	507.978	ppb	1.0139	0.2	7801.63	101.59554
Ba 389.178	5013.48	ppb	3.6030	0.1	103105	100.26968
Be 313.042	501.554	ppb	0.7784	0.2	823500	100.31087
Ca 370.602	4959	ppb	9.282	0.2	12256	99.18510
Cd 226.502	509.453	ppb	0.4435	0.1	19087.6	101.89053
Co 228.615	508.714	ppb	1.7785	0.3	5344.77	101.74281
Cr 267.716	4994.35	ppb	8.7792	0.2	251089	99.88704
Cu 324.754	5184.90	ppb	6.1552	0.1	374217	103.69806
Fe 271.441	5035.24	ppb	5.1623	0.1	7277.11	100.70484
K 766.491	10236.5	ppb	21.0571	0.2	454636	102.36458
Mg 279.078	5001.73	ppb	7.2814	0.1	12286.0	100.03464
Mn 257.610	5077.51	ppb	6.2650	0.1	1072805	101.55025
Mo 202.032	495.542	ppb	0.8497	0.2	3134.40	99.10848
Na 330.237	7686.77	ppb	16.4845	0.2	371.440	102.49029
Ni 231.604	2558.46	ppb	7.1236	0.3	7099.30	102.33820
Pb 220.353	503.277	ppb	1.4499	0.3	732.034	100.65538
Sb 206.834	978.246	ppb	6.7638	0.7	1355.13	97.82463
Se 196.026	4993.60	ppb	3.9071	0.1	2002.92	99.87202
Sn 189.925	5034.69	ppb	44.2768	0.9	3324.07	100.69378
Sr 216.596	2517.97	ppb	5.1157	0.2	27409.5	100.71889
Ti 334.941	497.656	ppb	0.3139	0.1	141598	99.53123
Tl 190.794	5077.23	ppb	17.2354	0.3	5030.24	101.54457
V 292.401	4997.21	ppb	6.0525	0.1	129636	99.94424
Zn 206.200	2506.52	ppb	4.4528	0.2	2253.79	100.26086

Cont Calib Blank (CCB) **10/13/2014, 9:08:14 PM** **Rack 2, Tube 38**

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

Label	Replicates Concentration		
Ag 328.068	0.1419	-0.1913u	0.1118
Al 308.215	-5.6284u	-7.0035u	-5.9388u
As 188.980	0.2128	0.6583	-1.6275u
B 249.678	10.0454	8.7758	7.9549
Ba 389.178	0.6491	1.1226	0.6666
Be 313.042	-0.0008u	0.0002	-0.0003u
Ca 370.602	2.632	-3.139u	1.988
Cd 226.502	0.3257	0.2480	0.3676
Co 228.615	0.1094	0.2623	0.8486
Cr 267.716	0.4202	0.3613	0.0389
Cu 324.754	0.5519	0.3352	0.6156
Fe 271.441	-1.1978u	0.1468	-6.5564u
K 766.491	1.7574	1.9413	1.5010
Mg 279.078	4.8389	1.7021	6.4917
Mn 257.610	0.2859	0.3476	0.3200
Mo 202.032	0.4829	0.0851	0.2880
Na 330.237	114.081	-89.9694u	77.0533

Label	Replicates Concentration		
Ni 231.604	1.0733	0.4096	0.4641
Pb 220.353	2.1391	1.9165	-2.3250u
Sb 206.834	-0.4957u	0.5492	-0.9861u
Se 196.026	4.6326	5.0883	10.0404
Sn 189.925	-0.3868u	-4.5012u	0.6779
Sr 216.596	-0.1307u	-0.2087u	0.3315
Ti 334.941	0.0653	0.0961	0.0746
Tl 190.794	1.3761	3.0048	0.1992
V 292.401	0.0301	0.0421	0.2443
Zn 206.200	0.0789	-0.2114u	1.5050

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Ag 328.068	0.0208	ppb	0.1843	885.7	-11.2081	0.02081
Al 308.215	-6.1902	ppb	0.7212	11.7	474.426	-6.19023
As 188.980	-0.2521	ppb	1.2117	480.6	-5.2255	-0.25213
B 249.678	8.9254	ppb	1.0532	11.8	171.667	8.92537
Ba 389.178	0.8128	ppb	0.2685	33.0	-42.9930	0.81276
Be 313.042	-0.0003	ppb	0.0005	170.7	-249.280	-0.00028
Ca 370.602	0.4936	ppb	3.163	640.7	15.07	0.49364
Cd 226.502	0.3137	ppb	0.0607	19.3	17.3625	0.31373
Co 228.615	0.4068	ppb	0.3902	95.9	1.9646	0.40676
Cr 267.716	0.2735	ppb	0.2053	75.1	45.5954	0.27346
Cu 324.754	0.5009	ppb	0.1470	29.3	274.890	0.50088
Fe 271.441	-2.5358	ppb	3.5463	139.8	4.8448	-2.53580
K 766.491	1.7332	ppb	0.2212	12.8	273.712	1.73324
Mg 279.078	4.3442	ppb	2.4329	56.0	22.1968	4.34424
Mn 257.610	0.3178	ppb	0.0309	9.7	114.377	0.31783
Mo 202.032	0.2854	ppb	0.1989	69.7	7.2556	0.28536
Na 330.237	33.7215	ppb	108.708	322.4	23.8219	33.72147
Ni 231.604	0.6490	ppb	0.3684	56.8	-4.5350	0.64902
Pb 220.353	0.5769	ppb	2.5156	436.1	1.8901	0.57687
Sb 206.834	-0.3109	ppb	0.7842	252.3	4.0408	-0.31088
Se 196.026	6.5871	ppb	2.9993	45.5	4.8165	6.58713
Sn 189.925	-1.4033	ppb	2.7351	194.9	-4.3631	-1.40333
Sr 216.596	-0.0027	ppb	0.2920	11005.8	2.8878	-0.00265
Ti 334.941	0.0787	ppb	0.0158	20.1	-25.6111	0.07867
Tl 190.794	1.5267	ppb	1.4089	92.3	-3.7499	1.52671
V 292.401	0.1055	ppb	0.1204	114.1	-1.9659	0.10551
Zn 206.200	0.4575	ppb	0.9187	200.8	1.2345	0.45750

640-49334-b-9-b (Samp) **10/13/2014, 9:12:31 PM** **Rack 2, Tube 39**

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

Label	Replicates Concentration		
Ag 328.068	-0.0729u	-0.2191u	-0.1446u
Al 308.215	33.9281	33.4542	34.0511
As 188.980	0.8808	0.7492	-3.2808u
B 249.678	2250.16	2244.44	2241.57
Ba 389.178	53.3967	54.4463	54.5007
Be 313.042	0.0887u	0.0851u	0.0815u
Ca 370.602	503769	504634	498608
Cd 226.502	0.6800	0.7019	0.9044
Co 228.615	4.9869	6.4022	6.9100
Cr 267.716	3.0259	2.8031	2.9023

Label	Replicates Concentration		
Cu 324.754	117.382	115.585	116.678
Fe 271.441	90.9737	83.7062	87.6511
K 766.491	260986x	260367x	259874x
Mg 279.078	686820	684595	682822
Mn 257.610	3843.11	3830.88	3806.97
Mo 202.032	2.0619	2.1531	2.9858
Na 330.237	3614048x	3591203x	3569582x
Ni 231.604	25.7046	25.7036	26.8260
Pb 220.353	-4.5363u	-1.2541u	4.9881
Sb 206.834	0.9605	3.1175	-0.4656u
Se 196.026	14.6738	23.5929	16.8380
Sn 189.925	-3.1118u	-7.1882u	-3.8202u
Sr 216.596	7227.82x	7191.81x	7169.38x
Ti 334.941	-2.6847	-2.5991	-2.6120
Tl 190.794	-3.7389u	-8.0694u	-6.3813u
V 292.401	1.3053	2.3106	2.2700
Zn 206.200	145.727	144.775	144.606

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.1455b	ppb	0.0731	50.3	-247.100
Al 308.215	33.8111b	ppb	0.3152	0.9	742.989
As 188.980	-0.5503b	ppb	2.3656	429.9	-5.4017
B 249.678	2245.39b	ppb	4.3716	0.2	34352.9
Ba 389.178	54.1146b	ppb	0.6223	1.1	1934.13
Be 313.042	0.0851b	ppb	0.0036	4.3	-343.668
Ca 370.602	502337b	ppb	3258	0.6	1211652
Cd 226.502	0.7621b	ppb	0.1237	16.2	23.3244
Co 228.615	6.0997b	ppb	0.9966	16.3	61.8842
Cr 267.716	2.9104b	ppb	0.1116	3.8	262.043
Cu 324.754	116.548b	ppb	0.9059	0.8	8646.44
Fe 271.441	87.4437b	ppb	3.6382	4.2	133.582
K 766.491	260409xb	ppb	557.590	0.2	11560835
Mg 279.078	684746b	ppb	2002.91	0.3	1693671
Mn 257.610	3826.99b	ppb	18.3808	0.5	813652
Mo 202.032	2.4002b	ppb	0.5091	21.2	20.6251
Na 330.237	3591611xb	ppb	22235.7	0.6	190216
Ni 231.604	26.0781b	ppb	0.6477	2.5	66.0935
Pb 220.353	-0.2674b	ppb	4.8383	1809.0	1.3847
Sb 206.834	1.2041b	ppb	1.8040	149.8	6.0712
Se 196.026	18.3682b	ppb	4.6523	25.3	10.3076
Sn 189.925	-4.7067b	ppb	2.1780	46.3	-5.5410
Sr 216.596	7196.33xb	ppb	29.4855	0.4	78681.0
Ti 334.941	-2.6319b	ppb	0.0462	1.8	99.7430
Tl 190.794	-6.0632b	ppb	2.1827	36.0	-9.4879
V 292.401	1.9620b	ppb	0.5691	29.0	26.9586
Zn 206.200	145.036b	ppb	0.6042	0.4	131.933

640-49334-b-10-b (Samp) **10/13/2014, 9:16:47 PM** **Rack 2, Tube 40**

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

Label	Replicates Concentration		
Ag 328.068	0.0926u	-0.3136u	-0.0828u
Al 308.215	270.888	275.367	270.829
As 188.980	0.4042	-8.6243u	1.2202

Label	Replicates Concentration		
B 249.678	2402.48	2411.70	2407.33
Ba 389.178	362.819	364.818	360.414
Be 313.042	0.1132u	0.1080u	0.1009u
Ca 370.602	167435	168021	165565
Cd 226.502	0.3930	0.6161	0.3374
Co 228.615	1.4249	1.6157	2.0642
Cr 267.716	50.5801	50.7500	49.8456
Cu 324.754	36.7723	36.3999	36.4007
Fe 271.441	8632.44	8670.71	8550.38
K 766.491	139603x	139309x	139029x
Mg 279.078	271587	272894	270166
Mn 257.610	676.639	679.056	671.937
Mo 202.032	5.2965	5.5764	5.1324
Na 330.237	2911277x	2900754x	2884381x
Ni 231.604	36.0377	37.4170	39.0165
Pb 220.353	-0.2427u	-1.7526u	-1.3856u
Sb 206.834	1.6664	-0.7937u	-0.9911u
Se 196.026	11.9411	-4.0151u	23.2221
Sn 189.925	-3.3563u	0.4932	1.1934
Sr 216.596	2385.04	2403.77	2378.93
Ti 334.941	4.4264	4.4514	4.4355
Tl 190.794	-3.6130u	-2.7034u	-8.9553u
V 292.401	2.0638	2.4494	2.4491
Zn 206.200	106.025	104.363	102.576

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.1013b	ppb	0.2037	201.2	-99.7074
Al 308.215	272.362b	ppb	2.6032	1.0	2356.56
As 188.980	-2.3333b	ppb	5.4634	234.2	-6.4983
B 249.678	2407.17b	ppb	4.6122	0.2	36807.1
Ba 389.178	362.684b	ppb	2.2053	0.6	7755.58
Be 313.042	0.1074b	ppb	0.0062	5.7	-325.344
Ca 370.602	167007b	ppb	1283	0.8	402737
Cd 226.502	0.4488b	ppb	0.1475	32.9	44.3308
Co 228.615	1.7016b	ppb	0.3282	19.3	16.2685
Cr 267.716	50.3919b	ppb	0.4806	1.0	2625.80
Cu 324.754	36.5243b	ppb	0.2148	0.6	2877.39
Fe 271.441	8617.84b	ppb	61.4790	0.7	12275.2
K 766.491	139313xb	ppb	287.242	0.2	6184902
Mg 279.078	271549b	ppb	1364.12	0.5	671681
Mn 257.610	675.877b	ppb	3.6199	0.5	144875
Mo 202.032	5.3351b	ppb	0.2245	4.2	38.8170
Na 330.237	2898804xb	ppb	13553.6	0.5	153526
Ni 231.604	37.4904b	ppb	1.4908	4.0	98.4523
Pb 220.353	-1.1270b	ppb	0.7875	69.9	-0.9460
Sb 206.834	-0.0395b	ppb	1.4806	3748.4	5.1289
Se 196.026	10.3827b	ppb	13.6853	131.8	6.5418
Sn 189.925	-0.5566b	ppb	2.4498	440.2	-2.9913
Sr 216.596	2389.25b	ppb	12.9454	0.5	26133.6
Ti 334.941	4.4378b	ppb	0.0126	0.3	1455.92
Tl 190.794	-5.0906b	ppb	3.3777	66.4	-11.0431
V 292.401	2.3208b	ppb	0.2225	9.6	37.3257
Zn 206.200	104.321b	ppb	1.7249	1.7	94.6748

CRI (Samp) **10/13/2014, 9:21:04 PM** **Rack 2, Tube 41**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Replicates Concentration		
Ag 328.068	10.8442	10.8211	11.2499
Al 308.215	202.121	202.317	201.759
As 188.980	18.4101	16.8342	16.1285
B 249.678	140.666	137.806	133.738
Ba 389.178	10.0737	10.5303	10.4700
Be 313.042	4.2493	4.2618	4.2536
Ca 370.602	528.4	533.2	520.8
Cd 226.502	5.4640	5.4828	5.5383
Co 228.615	11.4999	11.2617	11.6335
Cr 267.716	10.7254	10.5804	10.6278
Cu 324.754	22.1856	21.7949	22.5971
Fe 271.441	51.6140	54.3184	53.6557
K 766.491	1075.31	1073.91	1073.86
Mg 279.078	542.348	545.340	543.243
Mn 257.610	11.3166	11.3236	11.2769
Mo 202.032	10.8110	9.4390	10.6120
Na 330.237	1111.70	1158.25	1078.85
Ni 231.604	43.9688	43.7810	44.6151
Pb 220.353	13.6731	10.6415	10.4476
Sb 206.834	18.9033	20.2250	16.5498
Se 196.026	23.6366	13.3720	23.5266
Sn 189.925	56.3800	52.6115	50.4333
Sr 216.596	10.1864	9.9573	10.4761
Ti 334.941	10.5316	10.5674	10.5038
Tl 190.794	24.2458	23.4407	24.8564
V 292.401	10.2948	10.7651	10.3750
Zn 206.200	22.5259	22.9118	22.4490

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	10.9718	ppb	0.2412	2.2	847.471
Al 308.215	202.066	ppb	0.2836	0.1	1871.97
As 188.980	17.1243	ppb	1.1681	6.8	4.9951
B 249.678	137.403	ppb	3.4812	2.5	2135.40
Ba 389.178	10.3580	ppb	0.2480	2.4	154.171
Be 313.042	4.2549	ppb	0.0064	0.1	6737.06
Ca 370.602	527.5	ppb	6.235	1.2	1290
Cd 226.502	5.4950	ppb	0.0387	0.7	211.445
Co 228.615	11.4650	ppb	0.1883	1.6	118.036
Cr 267.716	10.6445	ppb	0.0739	0.7	566.951
Cu 324.754	22.1925	ppb	0.4011	1.8	1839.95
Fe 271.441	53.1960	ppb	1.4096	2.6	85.5042
K 766.491	1074.36	ppb	0.8266	0.1	47892.0
Mg 279.078	543.644	ppb	1.5355	0.3	1355.89
Mn 257.610	11.3057	ppb	0.0252	0.2	2439.92
Mo 202.032	10.2873	ppb	0.7414	7.2	70.5040
Na 330.237	1116.27	ppb	39.8990	3.6	80.6180
Ni 231.604	44.1216	ppb	0.4376	1.0	116.194
Pb 220.353	11.5874	ppb	1.8089	15.6	17.7921
Sb 206.834	18.5594	ppb	1.8615	10.0	29.1478
Se 196.026	20.1784	ppb	5.8948	29.2	10.2618
Sn 189.925	53.1416	ppb	3.0086	5.7	31.6868
Sr 216.596	10.2066	ppb	0.2600	2.5	113.332

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ti 334.941	10.5343	ppb	0.0319	0.3	2951.00
Tl 190.794	24.1810	ppb	0.7101	2.9	18.6919
V 292.401	10.4783	ppb	0.2516	2.4	265.857
Zn 206.200	22.6289	ppb	0.2480	1.1	21.2508

mb 680-353096/1-a (Samp) **10/13/2014, 9:25:20 PM** **Rack 2, Tube 42**

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

Label	Replicates Concentration		
Ag 328.068	-0.2208u	-0.1638u	-0.0669u
Al 308.215	-2.5253u	-0.2453u	0.3224
As 188.980	0.7685	0.8546	0.1056
B 249.678	14.5839	13.4443	13.0455
Ba 389.178	-0.2573u	0.2492	-0.4908u
Be 313.042	-0.0139u	-0.0202u	-0.0128u
Ca 370.602	10.69	5.640	7.432
Cd 226.502	0.2330	0.2084	0.1390
Co 228.615	0.5368	0.1563	0.3555
Cr 267.716	0.0349	0.1058	0.1147
Cu 324.754	0.1499	0.0960	0.1835
Fe 271.441	-3.3249u	1.2127	-1.4200u
K 766.491	3.0697	3.1817	3.0996
Mg 279.078	8.9031	5.3969	7.5561
Mn 257.610	0.1665	0.1611	0.2070
Mo 202.032	0.5256	0.2078	0.1125
Na 330.237	-31.5150u	74.9260	70.9981
Ni 231.604	3.3937	-0.3814u	0.8028
Pb 220.353	-1.0804u	5.1376	1.1306
Sb 206.834	-2.8391u	1.0888	0.0650
Se 196.026	1.8259	2.4012	1.5372
Sn 189.925	-3.6115u	0.0629	2.0943
Sr 216.596	0.3047	0.0881	0.2174
Ti 334.941	0.0413	0.0675	0.0393
Tl 190.794	1.0407	-1.5716u	-0.9014u
V 292.401	0.1984	-0.0163u	0.1777
Zn 206.200	4.5703	3.0751	2.5544

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.1505	ppb	0.0778	51.7	-24.6535
Al 308.215	-0.8161	ppb	1.5072	184.7	510.444
As 188.980	0.5762	ppb	0.4099	71.1	-4.7382
B 249.678	13.6912	ppb	0.7984	5.8	244.500
Ba 389.178	-0.1663	ppb	0.3783	227.5	-63.1327
Be 313.042	-0.0156	ppb	0.0040	25.6	-274.497
Ca 370.602	7.921	ppb	2.561	32.3	32.95
Cd 226.502	0.1935	ppb	0.0487	25.2	12.8669
Co 228.615	0.3495	ppb	0.1903	54.5	1.3646
Cr 267.716	0.0851	ppb	0.0437	51.4	36.1292
Cu 324.754	0.1431	ppb	0.0441	30.8	249.081
Fe 271.441	-1.1774	ppb	2.2785	193.5	6.7823
K 766.491	3.1170	ppb	0.0580	1.9	335.145
Mg 279.078	7.2853	ppb	1.7687	24.3	29.4726
Mn 257.610	0.1782	ppb	0.0251	14.1	84.8950
Mo 202.032	0.2820	ppb	0.2163	76.7	7.2342

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Na 330.237	38.1364	ppb	60.3518	158.3	23.9809
Ni 231.604	1.2717	ppb	1.9307	151.8	-2.8055
Pb 220.353	1.7293	ppb	3.1519	182.3	3.5561
Sb 206.834	-0.5618	ppb	2.0376	362.7	3.7062
Se 196.026	1.9215	ppb	0.4399	22.9	2.9481
Sn 189.925	-0.4848	ppb	2.8920	596.6	-3.7560
Sr 216.596	0.2034	ppb	0.1090	53.6	5.1332
Ti 334.941	0.0494	ppb	0.0157	31.9	-33.9434
Tl 190.794	-0.4774	ppb	1.3568	284.2	-5.7339
V 292.401	0.1199	ppb	0.1184	98.7	-1.5676
Zn 206.200	3.4000	ppb	1.0464	30.8	3.8953

lcs 680-353096/2-a (Samp) **10/13/2014, 9:29:37 PM** **Rack 2, Tube 43**

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

Label	Replicates Concentration		
Ag 328.068	52.1467	52.3490	51.3968
Al 308.215	4988.83	4992.17	4979.18
As 188.980	107.739	95.2093	94.3439
B 249.678	209.482	210.978	210.309
Ba 389.178	101.394	101.936	101.128
Be 313.042	52.8217	52.8268	52.7308
Ca 370.602	4931	4924	4918
Cd 226.502	52.5138	52.2465	52.0225
Co 228.615	51.9465	52.3297	51.9093
Cr 267.716	102.463	102.623	102.400
Cu 324.754	104.222	103.948	103.207
Fe 271.441	5129.23	5128.49	5118.05
K 766.491	5117.96	5111.63	5102.95
Mg 279.078	5054.22	5060.64	5046.78
Mn 257.610	527.908	528.158	527.134
Mo 202.032	100.801	100.896	100.276
Na 330.237	4756.88	4829.32	4946.49
Ni 231.604	101.971	103.181	103.389
Pb 220.353	512.321	516.567	505.274
Sb 206.834	49.1209	47.8973	46.2336
Se 196.026	106.355	105.784	103.766
Sn 189.925	206.348	196.528	190.073
Sr 216.596	100.557	100.723	100.346
Ti 334.941	101.909	101.911	101.752
Tl 190.794	35.4041	42.5858	42.3145
V 292.401	102.721	102.878	102.430
Zn 206.200	103.369	106.071	106.714

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	51.9642	ppb	0.5016	1.0	4061.69
Al 308.215	4986.72	ppb	6.7470	0.1	33965.9
As 188.980	99.0973	ppb	7.4962	7.6	53.2071
B 249.678	210.257	ppb	0.7495	0.4	3238.49
Ba 389.178	101.486	ppb	0.4118	0.4	2037.93
Be 313.042	52.7931	ppb	0.0540	0.1	86431.8
Ca 370.602	4924	ppb	6.326	0.1	11889
Cd 226.502	52.2609	ppb	0.2460	0.5	1981.60
Co 228.615	52.0618	ppb	0.2327	0.4	544.274

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Cr 267.716	102.495	ppb	0.1152	0.1	5188.16
Cu 324.754	103.792	ppb	0.5251	0.5	7730.82
Fe 271.441	5125.26	ppb	6.2519	0.1	7310.35
K 766.491	5110.85	ppb	7.5344	0.1	227089
Mg 279.078	5053.88	ppb	6.9320	0.1	12500.7
Mn 257.610	527.733	ppb	0.5339	0.1	111592
Mo 202.032	100.657	ppb	0.3340	0.3	641.768
Na 330.237	4844.23	ppb	95.6793	2.0	274.671
Ni 231.604	102.847	ppb	0.7659	0.7	279.610
Pb 220.353	511.387	ppb	5.7041	1.1	740.024
Sb 206.834	47.7506	ppb	1.4492	3.0	67.7690
Se 196.026	105.301	ppb	1.3603	1.3	44.4927
Sn 189.925	197.650	ppb	8.1954	4.1	127.195
Sr 216.596	100.542	ppb	0.1889	0.2	1103.31
Ti 334.941	101.858	ppb	0.0911	0.1	28950.6
Tl 190.794	40.1015	ppb	4.0703	10.1	34.0420
V 292.401	102.676	ppb	0.2273	0.2	2647.69
Zn 206.200	105.385	ppb	1.7750	1.7	95.6378

640-49347-q-1-a (Samp) **10/13/2014, 9:33:53 PM** **Rack 2, Tube 44**

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

Label	Replicates Concentration		
Ag 328.068	-0.3614u	-0.3575u	-0.1689u
Al 308.215	19.4933	20.0968	21.2266
As 188.980	0.4093	-6.8796u	2.3626
B 249.678	3287.64	3308.45	3292.71
Ba 389.178	569.610	568.969	560.213
Be 313.042	0.1521u	0.1524u	0.1407u
Ca 370.602	119737	119110	117534
Cd 226.502	0.4484	0.6036	0.3827
Co 228.615	1.1150	0.2678	0.1928
Cr 267.716	-1.2367	-1.3049	-1.1425
Cu 324.754	1.2535	1.3484	1.1997
Fe 271.441	7076.95	7027.95	6928.33
K 766.491	156577x	164545x	157108x
Mg 279.078	309733	308880	304464
Mn 257.610	224.359	223.649	220.228
Mo 202.032	-0.4631u	-0.3219u	-0.3031u
Na 330.237	3435722x	3460206x	3424023x
Ni 231.604	4.5938	3.0322	5.0268
Pb 220.353	-5.1928u	-1.6712u	-3.1131u
Sb 206.834	-0.3396u	3.8984	-4.3975u
Se 196.026	13.3075	20.3014	17.5448
Sn 189.925	-5.5210u	-6.5172u	-5.2552u
Sr 216.596	1969.41	1947.79	1912.47
Ti 334.941	-0.6713	-0.6973	-0.6448
Tl 190.794	-9.3682u	-5.3912u	-6.2725u
V 292.401	1.7425	1.5706	1.8386
Zn 206.200	8.8992	4.8400	10.4797

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.2959b	ppb	0.1100	37.2	-103.099
Al 308.215	20.2722b	ppb	0.8799	4.3	663.720

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
As 188.980	-1.3692b	ppb	4.8711	355.8	-5.9228
B 249.678	3296.27b	ppb	10.8475	0.3	50399.1
Ba 389.178	566.264b	ppb	5.2501	0.9	11989.5
Be 313.042	0.1484b	ppb	0.0066	4.5	-329.495
Ca 370.602	118794b	ppb	1135	1.0	286459
Cd 226.502	0.4782b	ppb	0.1135	23.7	36.4000
Co 228.615	0.5252b	ppb	0.5122	97.5	3.7641
Cr 267.716	-1.2280b	ppb	0.0816	6.6	38.0045
Cu 324.754	1.2672b	ppb	0.0753	5.9	333.122
Fe 271.441	7011.07b	ppb	75.7311	1.1	9987.93
K 766.491	159410xb	ppb	4455.08	2.8	7077071
Mg 279.078	307693b	ppb	2828.22	0.9	761091
Mn 257.610	222.745b	ppb	2.2086	1.0	49404.8
Mo 202.032	-0.3627b	ppb	0.0875	24.1	2.8498
Na 330.237	3439983xb	ppb	18464.5	0.5	182188
Ni 231.604	4.2176b	ppb	1.0492	24.9	5.9133
Pb 220.353	-3.3257b	ppb	1.7704	53.2	-4.1376
Sb 206.834	-0.2796b	ppb	4.1483	1483.9	4.2997
Se 196.026	17.0512b	ppb	3.5230	20.7	9.1088
Sn 189.925	-5.7645b	ppb	0.6653	11.5	-6.2803
Sr 216.596	1943.22b	ppb	28.7451	1.5	21250.1
Ti 334.941	-0.6711b	ppb	0.0262	3.9	20.9703
Tl 190.794	-7.0106b	ppb	2.0887	29.8	-12.9444
V 292.401	1.7172b	ppb	0.1358	7.9	20.4297
Zn 206.200	8.0730b	ppb	2.9092	36.0	7.8517

640-49347-q-2-a (Samp) **10/13/2014, 9:38:09 PM** **Rack 2, Tube 45**

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

Label	Replicates Concentration		
Ag 328.068	-0.1596u	-0.0873u	-0.1204u
Al 308.215	5.2598	5.6948	6.4538
As 188.980	31.9884	29.0948	30.5018
B 249.678	291.685	288.631	286.006
Ba 389.178	150.574	151.366	151.167
Be 313.042	-0.0181u	-0.0221u	-0.0237u
Ca 370.602	36416	36436	36557
Cd 226.502	-0.1016	-0.0517	-0.0174
Co 228.615	0.2305	0.2724	-0.0682u
Cr 267.716	0.0626	-0.0318	-0.0696
Cu 324.754	0.1838	0.2475	0.2396
Fe 271.441	5046.85	5035.22	5053.10
K 766.491	5321.99	5310.55	5314.99
Mg 279.078	15634.1	15652.2	15630.0
Mn 257.610	464.744	465.112	465.558
Mo 202.032	4.7829	5.5905	5.0075
Na 330.237	206611x	207193x	206868x
Ni 231.604	8.2928	8.0158	6.7287
Pb 220.353	-0.0657u	-1.6215u	0.0895u
Sb 206.834	-2.2608u	-0.6687u	-2.3456u
Se 196.026	5.3549	-2.9904u	-0.0895
Sn 189.925	-1.1173u	-0.8165u	-3.4567u
Sr 216.596	214.200	214.762	215.239
Ti 334.941	0.2514	0.3068	0.2968

Label	Replicates Concentration		
Tl 190.794	-5.5235u	-3.8619u	-2.5068u
V 292.401	0.5101	0.1910	0.4205
Zn 206.200	6.2580	4.9678	3.4986

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.1224b	ppb	0.0362	29.6	-28.1791
Al 308.215	5.8028b	ppb	0.6042	10.4	563.626
As 188.980	30.5284b	ppb	1.4470	4.7	12.8506
B 249.678	288.774b	ppb	2.8424	1.0	4438.05
Ba 389.178	151.036b	ppb	0.4122	0.3	3070.29
Be 313.042	-0.0213b	ppb	0.0029	13.6	-294.494
Ca 370.602	36470b	ppb	76.38	0.2	87932
Cd 226.502	-0.0569b	ppb	0.0423	74.4	22.7494
Co 228.615	0.1449b	ppb	0.1857	128.2	-0.5844
Cr 267.716	-0.0129b	ppb	0.0681	527.0	39.3771
Cu 324.754	0.2236b	ppb	0.0347	15.5	257.219
Fe 271.441	5045.06b	ppb	9.0746	0.2	7189.49
K 766.491	5315.84b	ppb	5.7659	0.1	236189
Mg 279.078	15638.8b	ppb	11.8318	0.1	38685.4
Mn 257.610	465.138b	ppb	0.4078	0.1	98445.8
Mo 202.032	5.1269b	ppb	0.4168	8.1	37.6582
Na 330.237	206891xb	ppb	291.847	0.1	10976.7
Ni 231.604	7.6791b	ppb	0.8347	10.9	15.3774
Pb 220.353	-0.5326b	ppb	0.9462	177.7	0.0593
Sb 206.834	-1.7583b	ppb	0.9446	53.7	2.1846
Se 196.026	0.7583b	ppb	4.2368	558.7	2.6153
Sn 189.925	-1.7968b	ppb	1.4453	80.4	-4.5651
Sr 216.596	214.734b	ppb	0.5204	0.2	2363.47
Ti 334.941	0.2850b	ppb	0.0295	10.4	44.3623
Tl 190.794	-3.9641b	ppb	1.5109	38.1	-9.5986
V 292.401	0.3739b	ppb	0.1646	44.0	4.7043
Zn 206.200	4.9081b	ppb	1.3807	28.1	5.0659

680-106113-e-1-a (Samp) **10/13/2014, 9:42:27 PM** **Rack 2, Tube 46**

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

Label	Replicates Concentration		
Ag 328.068	0.0973	-0.2055u	-0.1529u
Al 308.215	49.6655	49.4326	50.4862
As 188.980	-1.4171u	-0.8492u	-1.2339u
B 249.678	172.729	172.949	172.512
Ba 389.178	21.3531	21.2279	21.2350
Be 313.042	0.0639	0.0597	0.0600
Ca 370.602	1962	1969	1967
Cd 226.502	0.1613	0.2650	0.2321
Co 228.615	2.0294	0.7959	1.9664
Cr 267.716	0.1088	0.1800	0.2917
Cu 324.754	0.5529	0.4678	0.5209
Fe 271.441	-4.3111u	-1.3118u	0.4933
K 766.491	1375.10	1375.59	1375.65
Mg 279.078	1458.54	1454.34	1455.41
Mn 257.610	8.8457	8.8604	8.8797
Mo 202.032	-0.5948u	0.3070	-0.5921u
Na 330.237	6143.79	6054.06	6092.60

Label	Replicates Concentration		
Ni 231.604	3.0285	4.0196	2.6854
Pb 220.353	0.0566	1.4122	-0.8923u
Sb 206.834	-2.8747u	-0.4147u	-0.7189u
Se 196.026	4.7533	-0.8483u	-0.5083u
Sn 189.925	-1.1474u	-2.0336u	2.0505
Sr 216.596	20.8635	20.5337	20.3471
Ti 334.941	0.0327	0.0847	0.0851
Tl 190.794	0.9772	-1.1888u	-2.7583u
V 292.401	-0.2580u	0.0873	-0.1897u
Zn 206.200	9.4818	8.6806	9.1647

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.0870	ppb	0.1618	185.9	-20.3095
Al 308.215	49.8614	ppb	0.5534	1.1	850.070
As 188.980	-1.1667	ppb	0.2899	24.8	-5.7628
B 249.678	172.730	ppb	0.2184	0.1	2675.15
Ba 389.178	21.2720	ppb	0.0703	0.3	379.789
Be 313.042	0.0612	ppb	0.0024	3.9	-148.381
Ca 370.602	1966	ppb	3.635	0.2	4755
Cd 226.502	0.2195	ppb	0.0530	24.1	13.8277
Co 228.615	1.5973	ppb	0.6947	43.5	14.4819
Cr 267.716	0.1935	ppb	0.0922	47.6	41.7314
Cu 324.754	0.5139	ppb	0.0430	8.4	275.807
Fe 271.441	-1.7099	ppb	2.4268	141.9	6.1477
K 766.491	1375.44	ppb	0.2987	0.0	61258.5
Mg 279.078	1456.10	ppb	2.1802	0.1	3612.96
Mn 257.610	8.8619	ppb	0.0170	0.2	1930.30
Mo 202.032	-0.2933	ppb	0.5199	177.2	3.5959
Na 330.237	6096.82	ppb	45.0133	0.7	344.698
Ni 231.604	3.2445	ppb	0.6928	21.4	2.6717
Pb 220.353	0.1922	ppb	1.1582	602.7	1.3351
Sb 206.834	-1.3361	ppb	1.3411	100.4	2.6846
Se 196.026	1.1322	ppb	3.1406	277.4	2.6338
Sn 189.925	-0.3768	ppb	2.1483	570.1	-3.6830
Sr 216.596	20.5814	ppb	0.2615	1.3	228.096
Ti 334.941	0.0675	ppb	0.0301	44.6	-26.7471
Tl 190.794	-0.9900	ppb	1.8757	189.5	-6.2329
V 292.401	-0.1201	ppb	0.1828	152.2	-7.7614
Zn 206.200	9.1090	ppb	0.4035	4.4	9.0565

680-106113-e-4-a (Samp) **10/13/2014, 9:46:44 PM** **Rack 2, Tube 47**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Replicates Concentration		
Ag 328.068	-0.4073u	0.0170	-0.2248u
Al 308.215	4.9377	3.7206	4.9667
As 188.980	0.6106	-0.4261u	0.8489
B 249.678	188.490	188.954	189.221
Ba 389.178	18.8767	19.3551	18.2676
Be 313.042	-0.0107u	-0.0196u	-0.0174u
Ca 370.602	8417	8360	8390
Cd 226.502	1.1542	1.1571	1.0719
Co 228.615	7.6506	7.0566	7.1766
Cr 267.716	0.2519	0.1668	0.1385

Label	Replicates Concentration		
Cu 324.754	1.5410	1.3214	1.6801
Fe 271.441	1962.21	1979.60	1976.54
K 766.491	2218.88	2215.65	2212.25
Mg 279.078	2207.83	2208.05	2207.72
Mn 257.610	1075.09	1075.57	1078.03
Mo 202.032	0.7527	1.9010	0.9102
Na 330.237	9281.05	9264.72	9084.71
Ni 231.604	3.8805	4.8415	5.3371
Pb 220.353	2.1328	2.1944	0.4452
Sb 206.834	-2.4902u	-1.6305u	-1.7117u
Se 196.026	5.1647	2.8153	1.2460
Sn 189.925	-1.4078u	-5.6415u	-3.2079u
Sr 216.596	47.2881	47.1009	47.0470
Ti 334.941	0.0477	0.0728	0.0576
Tl 190.794	0.7032	-0.3771u	-0.0655
V 292.401	-0.1153u	-0.2315u	0.2602
Zn 206.200	17.3028	17.0574	17.2709

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.2050	ppb	0.2129	103.8	-25.6373
Al 308.215	4.5417	ppb	0.7113	15.7	549.673
As 188.980	0.3445	ppb	0.6779	196.8	-4.8861
B 249.678	188.888	ppb	0.3700	0.2	2917.92
Ba 389.178	18.8331	ppb	0.5450	2.9	331.572
Be 313.042	-0.0159	ppb	0.0046	29.2	-273.782
Ca 370.602	8389	ppb	28.67	0.3	20250
Cd 226.502	1.1278	ppb	0.0484	4.3	55.6978
Co 228.615	7.2946	ppb	0.3141	4.3	74.3992
Cr 267.716	0.1857	ppb	0.0590	31.8	47.0986
Cu 324.754	1.5142	ppb	0.1809	11.9	348.863
Fe 271.441	1972.78	ppb	9.2824	0.5	2817.23
K 766.491	2215.59	ppb	3.3121	0.1	98556.2
Mg 279.078	2207.87	ppb	0.1654	0.0	5452.40
Mn 257.610	1076.23	ppb	1.5760	0.1	227440
Mo 202.032	1.1880	ppb	0.6225	52.4	12.8789
Na 330.237	9210.16	ppb	108.950	1.2	508.898
Ni 231.604	4.6864	ppb	0.7406	15.8	6.8145
Pb 220.353	1.5908	ppb	0.9926	62.4	3.4349
Sb 206.834	-1.9442	ppb	0.4747	24.4	1.9089
Se 196.026	3.0753	ppb	1.9722	64.1	3.6415
Sn 189.925	-3.4191	ppb	2.1248	62.1	-5.6928
Sr 216.596	47.1453	ppb	0.1265	0.3	522.179
Ti 334.941	0.0594	ppb	0.0127	21.3	-27.8077
Tl 190.794	0.0868	ppb	0.5561	640.3	-4.9015
V 292.401	-0.0289	ppb	0.2570	890.3	-4.9357
Zn 206.200	17.2103	ppb	0.1334	0.8	16.3056

680-106113-e-5-a (Samp) **10/13/2014, 9:51:01 PM** **Rack 2, Tube 48**

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

Label	Replicates Concentration		
Ag 328.068	0.0768	0.1694	0.2604
Al 308.215	587.380	585.140	586.221
As 188.980	3.7006	2.0162	4.0520

Label	Replicates Concentration		
B 249.678	149.972	149.532	148.380
Ba 389.178	46.1390	47.3004	45.9744
Be 313.042	0.3874	0.3953	0.3892
Ca 370.602	4287	4277	4279
Cd 226.502	0.5664	0.5522	0.5659
Co 228.615	3.3010	3.8952	3.4141
Cr 267.716	0.5775	0.6891	0.7332
Cu 324.754	2.5299	2.8421	2.8789
Fe 271.441	473.980	473.655	463.887
K 766.491	2869.53	2869.97	2851.43
Mg 279.078	3552.35	3535.01	3527.23
Mn 257.610	77.9770	77.7605	77.5647
Mo 202.032	0.3445	0.2731	1.0728
Na 330.237	12216.5	12229.5	12283.8
Ni 231.604	10.2831	11.4759	11.0942
Pb 220.353	-0.7001u	-0.7460u	-1.0322u
Sb 206.834	0.5839	1.8613	1.9664
Se 196.026	4.1189	3.2211	-5.4062u
Sn 189.925	-0.4377u	-1.8344u	0.1793
Sr 216.596	42.3246	41.9343	42.4430
Ti 334.941	2.4201	2.3614	2.4134
Tl 190.794	0.1927	-2.2178u	-0.3089u
V 292.401	0.4208	0.2992	0.4870
Zn 206.200	34.9351	37.5629	35.3274

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	0.1689	ppb	0.0918	54.4	-0.7050
Al 308.215	586.247	ppb	1.1200	0.2	4446.30
As 188.980	3.2563	ppb	1.0882	33.4	-3.1589
B 249.678	149.295	ppb	0.8222	0.6	2316.02
Ba 389.178	46.4713	ppb	0.7228	1.6	901.143
Be 313.042	0.3906	ppb	0.0041	1.1	392.505
Ca 370.602	4281	ppb	5.446	0.1	10337
Cd 226.502	0.5615	ppb	0.0081	1.4	28.4999
Co 228.615	3.5368	ppb	0.3155	8.9	34.9062
Cr 267.716	0.6666	ppb	0.0802	12.0	66.1533
Cu 324.754	2.7503	ppb	0.1918	7.0	437.365
Fe 271.441	470.507	ppb	5.7355	1.2	678.533
K 766.491	2863.64	ppb	10.5812	0.4	127326
Mg 279.078	3538.19	ppb	12.8591	0.4	8761.58
Mn 257.610	77.7674	ppb	0.2063	0.3	16504.6
Mo 202.032	0.5635	ppb	0.4425	78.5	8.9941
Na 330.237	12243.3	ppb	35.6788	0.3	669.488
Ni 231.604	10.9511	ppb	0.6091	5.6	24.1089
Pb 220.353	-0.8261	ppb	0.1800	21.8	-0.1622
Sb 206.834	1.4705	ppb	0.7696	52.3	6.4308
Se 196.026	0.6446	ppb	5.2593	815.9	2.4561
Sn 189.925	-0.6976	ppb	1.0317	147.9	-3.8933
Sr 216.596	42.2339	ppb	0.2662	0.6	465.409
Ti 334.941	2.3983	ppb	0.0321	1.3	639.784
Tl 190.794	-0.7780	ppb	1.2719	163.5	-6.0442
V 292.401	0.4024	ppb	0.0953	23.7	5.8515
Zn 206.200	35.9418	ppb	1.4176	3.9	33.2968

Cont Calib Verif (CCV) **10/13/2014, 9:55:18 PM** **Rack 2, Tube 49**

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

Label	Replicates Concentration		
Ag 328.068	511.654	507.189	512.011
Al 308.215	4871.07	4908.26	4931.66
As 188.980	486.478	480.505	479.220
B 249.678	501.270	504.084	507.726
Ba 389.178	4976.97	4978.59	4994.84
Be 313.042	496.525	498.371	498.097
Ca 370.602	4939	4933	4915
Cd 226.502	503.164	503.356	505.280
Co 228.615	504.072	504.099	502.818
Cr 267.716	4960.84	4957.66	4962.72
Cu 324.754	5163.78	5023.79	5111.27
Fe 271.441	5023.55	5022.57	4994.08
K 766.491	10076.1	10080.4	10089.8
Mg 279.078	4966.67	4968.17	4976.03
Mn 257.610	5049.95	5060.33	5041.76
Mo 202.032	491.585	489.665	493.792
Na 330.237	7427.36	7739.80	7642.50
Ni 231.604	2525.32	2524.70	2541.90
Pb 220.353	494.176	501.238	497.862
Sb 206.834	963.030	957.201	969.274
Se 196.026	4912.60	4939.09	4909.60
Sn 189.925	5015.80	5015.35	5034.53
Sr 216.596	2498.94	2500.72	2511.07
Ti 334.941	492.288	493.244	494.387
Tl 190.794	5016.32	5024.22	5017.08
V 292.401	4949.14	4954.82	4957.48
Zn 206.200	2496.23	2482.53	2499.74

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Ag 328.068	510.285	ppb	2.6869	0.5	39966.7	102.05700
Al 308.215	4903.67	ppb	30.5548	0.6	33909.9	98.07332
As 188.980	482.067	ppb	3.8733	0.8	278.386	96.41349
B 249.678	504.360	ppb	3.2367	0.6	7746.16	100.87195
Ba 389.178	4983.47	ppb	9.8817	0.2	102487	99.66932
Be 313.042	497.664	ppb	0.9966	0.2	817111	99.53285
Ca 370.602	4929	ppb	12.76	0.3	12181	98.58012
Cd 226.502	503.933	ppb	1.1702	0.2	18881.0	100.78664
Co 228.615	503.663	ppb	0.7317	0.1	5291.67	100.73262
Cr 267.716	4960.40	ppb	2.5588	0.1	249382	99.20808
Cu 324.754	5099.61	ppb	70.7173	1.4	368065	101.99223
Fe 271.441	5013.40	ppb	16.7406	0.3	7245.18	100.26797
K 766.491	10082.1	ppb	6.9916	0.1	447784	100.82114
Mg 279.078	4970.29	ppb	5.0272	0.1	12208.8	99.40573
Mn 257.610	5050.68	ppb	9.3045	0.2	1067135	101.01358
Mo 202.032	491.681	ppb	2.0650	0.4	3110.03	98.33615
Na 330.237	7603.22	ppb	159.880	2.1	367.344	101.37627
Ni 231.604	2530.64	ppb	9.7525	0.4	7022.05	101.22561
Pb 220.353	497.759	ppb	3.5326	0.7	724.036	99.55174
Sb 206.834	963.168	ppb	6.0375	0.6	1334.75	96.31683
Se 196.026	4920.43	ppb	16.2284	0.3	1973.61	98.40855
Sn 189.925	5021.89	ppb	10.9434	0.2	3315.61	100.43785
Sr 216.596	2503.58	ppb	6.5500	0.3	27253.1	100.14303

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Ti 334.941	493.306	ppb	1.0509	0.2	140359	98.66121
Tl 190.794	5019.21	ppb	4.3593	0.1	4972.72	100.38411
V 292.401	4953.81	ppb	4.2603	0.1	128509	99.07622
Zn 206.200	2492.84	ppb	9.0924	0.4	2241.51	99.71342

Cont Calib Blank (CCB) **10/13/2014, 9:59:34 PM** **Rack 2, Tube 50**

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

Label	Replicates Concentration		
Ag 328.068	-0.0238u	0.2638	0.0107
Al 308.215	-6.1798u	-6.9660u	-5.7921u
As 188.980	4.0858	2.8552	-3.3688u
B 249.678	12.7743	11.4435	10.4969
Ba 389.178	-0.1187u	0.5419	0.7653
Be 313.042	0.0005	0.0144	0.0139
Ca 370.602	1.418	9.114	6.050
Cd 226.502	0.3812	0.2277	0.2684
Co 228.615	0.4414	0.1243	0.2510
Cr 267.716	0.5361	0.3336	0.3491
Cu 324.754	0.6296	0.4962	0.6215
Fe 271.441	-0.3512u	3.0271	-0.2342u
K 766.491	2.7182	2.3282	2.8340
Mg 279.078	3.5881	3.5787	5.7592
Mn 257.610	0.3668	0.3929	0.4464
Mo 202.032	0.1167	0.3055	0.6646
Na 330.237	109.883	65.7593	24.2787
Ni 231.604	1.6582	0.5911	0.6769
Pb 220.353	-0.0458u	2.8809	-0.0679u
Sb 206.834	0.4632	-2.5211u	2.6318
Se 196.026	-2.0769u	12.6176	-8.8591u
Sn 189.925	-2.6620u	-2.6119u	1.3429
Sr 216.596	0.5177	0.3428	0.1177
Ti 334.941	0.0929	0.0694	0.0726
Tl 190.794	2.8225	0.6762	3.4079
V 292.401	0.3318	0.2205	0.3377
Zn 206.200	0.3384	1.0409	0.3631

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Ag 328.068	0.0836	ppb	0.1570	187.9	-6.2960	0.08356
Al 308.215	-6.3126	ppb	0.5982	9.5	473.628	-6.31265
As 188.980	1.1907	ppb	3.9963	335.6	-4.3768	1.19073
B 249.678	11.5716	ppb	1.1441	9.9	212.119	11.57158
Ba 389.178	0.3962	ppb	0.4597	116.0	-51.5626	0.39615
Be 313.042	0.0096	ppb	0.0079	82.3	-233.081	0.00959
Ca 370.602	5.527	ppb	3.875	70.1	27.20	5.52726
Cd 226.502	0.2924	ppb	0.0796	27.2	16.5702	0.29244
Co 228.615	0.2722	ppb	0.1596	58.6	0.5499	0.27223
Cr 267.716	0.4063	ppb	0.1127	27.7	52.2718	0.40626
Cu 324.754	0.5825	ppb	0.0748	12.8	280.777	0.58245
Fe 271.441	0.8139	ppb	1.9176	235.6	9.6375	0.81388
K 766.491	2.6268	ppb	0.2650	10.1	313.382	2.62682
Mg 279.078	4.3087	ppb	1.2562	29.2	22.1076	4.30868
Mn 257.610	0.4021	ppb	0.0406	10.1	132.177	0.40207
Mo 202.032	0.3623	ppb	0.2783	76.8	7.7420	0.36229

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Na 330.237	66.6404	ppb	42.8090	64.2	25.5576	66.64036
Ni 231.604	0.9754	ppb	0.5929	60.8	-3.6288	0.97540
Pb 220.353	0.9224	ppb	1.6962	183.9	2.3895	0.92238
Sb 206.834	0.1913	ppb	2.5872	1352.4	4.7097	0.19130
Se 196.026	0.5605	ppb	10.9785	1958.6	2.4032	0.56054
Sn 189.925	-1.3103	ppb	2.2979	175.4	-4.3016	-1.31033
Sr 216.596	0.3261	ppb	0.2005	61.5	6.4898	0.32609
Ti 334.941	0.0783	ppb	0.0128	16.3	-25.7208	0.07829
Tl 190.794	2.3022	ppb	1.4382	62.5	-2.9817	2.30222
V 292.401	0.2967	ppb	0.0660	22.3	2.9831	0.29667
Zn 206.200	0.5808	ppb	0.3986	68.6	1.3456	0.58082

680-106113-e-6-a (Samp) **10/13/2014, 10:03:51 PM** **Rack 2, Tube 51**

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

Label	Replicates Concentration		
Ag 328.068	-0.1240u	0.1226	-0.2803u
Al 308.215	39.1925	39.4509	41.0000
As 188.980	1.4173	-1.8387u	0.2871
B 249.678	146.788	147.310	147.794
Ba 389.178	8.7161	8.8678	8.5454
Be 313.042	0.0187	0.0170	0.0163
Ca 370.602	7016	7024	7023
Cd 226.502	0.1053	0.2350	0.1478
Co 228.615	1.9641	2.2558	1.7635
Cr 267.716	0.2094	0.1762	0.2563
Cu 324.754	1.1084	1.2812	1.1333
Fe 271.441	113.005	116.713	117.397
K 766.491	2638.05	2644.11	2659.52
Mg 279.078	2390.97	2392.40	2398.10
Mn 257.610	91.9171	92.2503	92.0701
Mo 202.032	1.6306	1.4981	1.5392
Na 330.237	15723.7	15733.2	15836.0
Ni 231.604	5.1838	5.4074	4.4487
Pb 220.353	2.0905	-1.0400u	-0.9866u
Sb 206.834	-0.9845u	-1.0963u	3.5232
Se 196.026	-4.6617u	6.6787	-5.0341u
Sn 189.925	1.0353	-0.3849u	-1.8310u
Sr 216.596	44.1758	44.5235	43.9518
Ti 334.941	0.1987	0.1283	0.2020
Tl 190.794	-0.0277	0.6530	-1.4664u
V 292.401	0.2988	0.1477	0.1690
Zn 206.200	7.3661	9.6470	8.0389

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.0939	ppb	0.2031	216.4	-21.2354
Al 308.215	39.8811	ppb	0.9776	2.5	783.494
As 188.980	-0.0448	ppb	1.6532	3691.8	-5.1041
B 249.678	147.297	ppb	0.5031	0.3	2286.23
Ba 389.178	8.7097	ppb	0.1613	1.9	122.615
Be 313.042	0.0174	ppb	0.0013	7.2	-220.028
Ca 370.602	7021	ppb	4.266	0.1	16948
Cd 226.502	0.1627	ppb	0.0661	40.6	12.1170
Co 228.615	1.9945	ppb	0.2476	12.4	18.6188

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Cr 267.716	0.2140	ppb	0.0403	18.8	43.3659
Cu 324.754	1.1743	ppb	0.0934	8.0	323.563
Fe 271.441	115.705	ppb	2.3629	2.0	173.348
K 766.491	2647.22	ppb	11.0710	0.4	117718
Mg 279.078	2393.82	ppb	3.7724	0.2	5930.87
Mn 257.610	92.0791	ppb	0.1668	0.2	19518.6
Mo 202.032	1.5560	ppb	0.0678	4.4	15.2871
Na 330.237	15764.3	ppb	62.2695	0.4	856.651
Ni 231.604	5.0133	ppb	0.5016	10.0	7.5920
Pb 220.353	0.0213	ppb	1.7922	8421.6	1.0944
Sb 206.834	0.4808	ppb	2.6354	548.1	5.0797
Se 196.026	-1.0057	ppb	6.6575	662.0	1.7953
Sn 189.925	-0.3935	ppb	1.4332	364.2	-3.6913
Sr 216.596	44.2171	ppb	0.2881	0.7	487.779
Ti 334.941	0.1763	ppb	0.0417	23.6	5.0705
Tl 190.794	-0.2804	ppb	1.0821	386.0	-5.5090
V 292.401	0.2052	ppb	0.0818	39.9	0.3967
Zn 206.200	8.3507	ppb	1.1720	14.0	8.3665

680-106113-e-6-aSD (Samp) **10/13/2014, 10:08:07 PM** **Rack 2, Tube 52**

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

Label	Replicates Concentration		
Ag 328.068	0.1695	-0.0881u	-0.0303u
Al 308.215	2.1887	3.8564	2.7504
As 188.980	-5.1621u	-2.5893u	2.8258
B 249.678	34.1339	33.7153	34.2461
Ba 389.178	1.6671	1.3414	2.0530
Be 313.042	-0.0171u	-0.0184u	-0.0111u
Ca 370.602	1435	1430	1452
Cd 226.502	0.2025	0.2671	0.2647
Co 228.615	0.2580	0.8383	0.9386
Cr 267.716	0.1126	0.1835	0.2635
Cu 324.754	0.2474	0.2541	0.3519
Fe 271.441	23.2718	21.2872	20.2903
K 766.491	537.759	536.152	538.452
Mg 279.078	492.976	494.591	490.709
Mn 257.610	19.0087	19.0233	19.0246
Mo 202.032	0.0273	0.3197	-0.0419u
Na 330.237	3253.53	3129.71	3170.76
Ni 231.604	1.1010	0.5773	0.6704
Pb 220.353	-0.7099u	2.0297	2.0318
Sb 206.834	-0.2202u	-5.2170u	-2.1884u
Se 196.026	5.3923	3.3968	9.0161
Sn 189.925	-2.6873u	-2.4774u	-3.0277u
Sr 216.596	8.5490	8.9261	9.4304
Ti 334.941	0.0914	0.0232	0.0464
Tl 190.794	-0.1647u	-0.1911u	0.4620
V 292.401	0.2013	0.1867	-0.0090u
Zn 206.200	3.5073	0.9624	3.4321

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	0.0171	ppb	0.1352	792.4	-11.7154
Al 308.215	2.9318	ppb	0.8485	28.9	535.588

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
As 188.980	-1.6419	ppb	4.0773	248.3	-6.0430
B 249.678	34.0318	ppb	0.2798	0.8	555.295
Ba 389.178	1.6872	ppb	0.3563	21.1	-24.3610
Be 313.042	-0.0155	ppb	0.0039	24.9	-274.200
Ca 370.602	1439	ppb	11.47	0.8	3485
Cd 226.502	0.2448	ppb	0.0366	15.0	14.8771
Co 228.615	0.6783	ppb	0.3674	54.2	4.8236
Cr 267.716	0.1865	ppb	0.0755	40.5	41.3809
Cu 324.754	0.2844	ppb	0.0585	20.6	259.281
Fe 271.441	21.6164	ppb	1.5178	7.0	39.2634
K 766.491	537.454	ppb	1.1797	0.2	24056.6
Mg 279.078	492.759	ppb	1.9505	0.4	1229.94
Mn 257.610	19.0189	ppb	0.0088	0.0	4069.00
Mo 202.032	0.1017	ppb	0.1919	188.8	6.0929
Na 330.237	3184.67	ppb	63.0697	2.0	190.613
Ni 231.604	0.7829	ppb	0.2794	35.7	-4.1619
Pb 220.353	1.1172	ppb	1.5823	141.6	2.6733
Sb 206.834	-2.5419	ppb	2.5171	99.0	1.0722
Se 196.026	5.9351	ppb	2.8487	48.0	4.5594
Sn 189.925	-2.7308	ppb	0.2777	10.2	-5.2396
Sr 216.596	8.9685	ppb	0.4422	4.9	101.293
Ti 334.941	0.0537	ppb	0.0347	64.7	-32.1262
Tl 190.794	0.0354	ppb	0.3697	1044.2	-5.2193
V 292.401	0.1263	ppb	0.1174	93.0	-1.3921
Zn 206.200	2.6339	ppb	1.4481	55.0	3.2014

680-106113-e-6-aPDS (Samp) **10/13/2014, 10:12:23 PM** **Rack 2, Tube 53**

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

Label	Replicates Concentration		
Ag 328.068	98.6392	98.5896	99.4279
Al 308.215	1038.22	1041.84	1045.55
As 188.980	107.974	101.803	103.049
B 249.678	346.614	347.492	350.768
Ba 389.178	96.3605	95.6987	95.9900
Be 313.042	102.291	102.145	102.357
Ca 370.602	17008	17028	17043
Cd 226.502	101.806	101.596	101.411
Co 228.615	104.763	103.951	104.116
Cr 267.716	101.769	101.236	101.241
Cu 324.754	105.026	105.899	106.132
Fe 271.441	10324.1	10314.6	10301.8
K 766.491	12957.3	12928.8	12960.9
Mg 279.078	12586.8	12577.6	12602.4
Mn 257.610	1150.68	1149.11	1151.15
Mo 202.032	102.205	101.356	102.115
Na 330.237	25527.4	25505.5	25592.3
Ni 231.604	107.601	105.942	106.307
Pb 220.353	99.6391	102.127	100.247
Sb 206.834	94.9379	95.6892	97.9323
Se 196.026	92.7448	97.8817	95.4446
Sn 189.925	103.211	97.5812	103.560
Sr 216.596	147.297	147.774	147.559
Ti 334.941	101.326	101.164	101.465

Label	Replicates Concentration		
Tl 190.794	18.1679	21.5164	17.8411
V 292.401	102.773	102.653	102.839
Zn 206.200	110.607	110.499	114.829

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	98.8856	ppb	0.4703	0.5	7742.50
Al 308.215	1041.87	ppb	3.6687	0.4	7532.29
As 188.980	104.276	ppb	3.2633	3.1	56.1860
B 249.678	348.291	ppb	2.1897	0.6	5337.81
Ba 389.178	96.0164	ppb	0.3317	0.3	1937.74
Be 313.042	102.264	ppb	0.1085	0.1	167666
Ca 370.602	17026	ppb	17.61	0.1	41037
Cd 226.502	101.604	ppb	0.1977	0.2	3848.59
Co 228.615	104.277	ppb	0.4291	0.4	1092.94
Cr 267.716	101.415	ppb	0.3060	0.3	5138.83
Cu 324.754	105.686	ppb	0.5829	0.6	7869.68
Fe 271.441	10313.5	ppb	11.1795	0.1	14701.0
K 766.491	12949.0	ppb	17.5976	0.1	575058
Mg 279.078	12588.9	ppb	12.5177	0.1	31128.4
Mn 257.610	1150.31	ppb	1.0676	0.1	243193
Mo 202.032	101.892	ppb	0.4662	0.5	649.349
Na 330.237	25541.8	ppb	45.1492	0.2	1369.24
Ni 231.604	106.617	ppb	0.8718	0.8	290.361
Pb 220.353	100.671	ppb	1.2972	1.3	146.047
Sb 206.834	96.1865	ppb	1.5579	1.6	132.455
Se 196.026	95.3570	ppb	2.5696	2.7	40.6761
Sn 189.925	101.451	ppb	3.3556	3.3	63.6220
Sr 216.596	147.543	ppb	0.2386	0.2	1625.77
Ti 334.941	101.318	ppb	0.1504	0.1	28808.9
Tl 190.794	19.1751	ppb	2.0341	10.6	13.1226
V 292.401	102.755	ppb	0.0946	0.1	2651.35
Zn 206.200	111.979	ppb	2.4694	2.2	101.403

680-106113-e-6-b ms (Samp) **10/13/2014, 10:16:40 PM** **Rack 2, Tube 54**

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

Label	Replicates Concentration		
Ag 328.068	51.5625	51.8760	51.6538
Al 308.215	5304.47	5299.55	5305.02
As 188.980	94.7543	102.309	109.383
B 249.678	386.339	386.770	389.145
Ba 389.178	110.447	110.461	110.100
Be 313.042	53.0987	53.0334	52.9028
Ca 370.602	9693	9639	9625
Cd 226.502	51.4968	51.7366	51.7425
Co 228.615	53.4469	52.2951	52.4926
Cr 267.716	102.124	101.912	101.657
Cu 324.754	103.636	104.932	104.637
Fe 271.441	5217.91	5204.03	5215.53
K 766.491	7146.58	7130.24	7153.82
Mg 279.078	6660.44	6659.67	6670.92
Mn 257.610	583.448	583.549	582.901
Mo 202.032	100.762	100.306	100.494
Na 330.237	17413.9	17252.7	17350.7

Label	Replicates Concentration		
Ni 231.604	105.414	106.883	107.008
Pb 220.353	507.227	507.318	501.307
Sb 206.834	49.5284	48.1865	48.8797
Se 196.026	102.704	97.9365	101.422
Sn 189.925	205.433	202.649	199.830
Sr 216.596	132.485	133.076	131.333
Ti 334.941	101.299	101.167	101.103
Tl 190.794	41.6302	43.3143	36.4564
V 292.401	101.765	102.184	101.860
Zn 206.200	112.694	113.754	112.036

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	51.6974	ppb	0.1612	0.3	4039.98
Al 308.215	5303.01	ppb	3.0095	0.1	36086.1
As 188.980	102.149	ppb	7.3155	7.2	55.0044
B 249.678	387.418	ppb	1.5111	0.4	5945.96
Ba 389.178	110.336	ppb	0.2047	0.2	2222.13
Be 313.042	53.0116	ppb	0.0997	0.2	86790.6
Ca 370.602	9652	ppb	36.04	0.4	23292
Cd 226.502	51.6587	ppb	0.1402	0.3	1959.38
Co 228.615	52.7449	ppb	0.6159	1.2	551.432
Cr 267.716	101.898	ppb	0.2338	0.2	5158.65
Cu 324.754	104.402	ppb	0.6790	0.7	7774.84
Fe 271.441	5212.49	ppb	7.4232	0.1	7434.59
K 766.491	7143.55	ppb	12.0767	0.2	317329
Mg 279.078	6663.68	ppb	6.2838	0.1	16481.4
Mn 257.610	583.299	ppb	0.3488	0.1	123343
Mo 202.032	100.521	ppb	0.2292	0.2	640.900
Na 330.237	17339.1	ppb	81.2147	0.5	936.181
Ni 231.604	106.435	ppb	0.8864	0.8	289.582
Pb 220.353	505.284	ppb	3.4445	0.7	731.200
Sb 206.834	48.8649	ppb	0.6711	1.4	69.2512
Se 196.026	100.687	ppb	2.4671	2.5	42.6569
Sn 189.925	202.637	ppb	2.8016	1.4	130.495
Sr 216.596	132.298	ppb	0.8866	0.7	1451.40
Ti 334.941	101.190	ppb	0.1001	0.1	28762.4
Tl 190.794	40.4670	ppb	3.5738	8.8	34.4192
V 292.401	101.936	ppb	0.2196	0.2	2628.40
Zn 206.200	112.828	ppb	0.8670	0.8	102.365

680-106113-e-6-c msd (Samp) **10/13/2014, 10:20:56 PM** **Rack 2, Tube 55**

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

Label	Replicates Concentration		
Ag 328.068	51.7181	51.9601	52.0028
Al 308.215	4992.57	5005.96	5046.59
As 188.980	103.984	107.123	98.6602
B 249.678	393.704	394.964	396.020
Ba 389.178	110.072	110.112	109.761
Be 313.042	52.8012	52.9332	52.9305
Ca 370.602	9729	9746	9731
Cd 226.502	51.7671	51.6936	51.8221
Co 228.615	52.6988	53.4350	53.6405
Cr 267.716	101.578	101.867	101.677

Label	Replicates Concentration		
Cu 324.754	103.914	106.252	104.490
Fe 271.441	5153.30	5162.00	5148.92
K 766.491	7257.50	7269.86	7273.32
Mg 279.078	6684.41	6702.02	6692.21
Mn 257.610	584.017	584.278	584.378
Mo 202.032	100.574	101.089	101.013
Na 330.237	17744.0	17710.4	17613.1
Ni 231.604	106.803	107.316	107.182
Pb 220.353	502.264	501.425	501.277
Sb 206.834	49.1269	51.2114	47.3171
Se 196.026	98.3025	81.7149	97.9458
Sn 189.925	195.511	197.240	192.765
Sr 216.596	132.168	132.164	131.554
Ti 334.941	100.916	101.188	101.116
Tl 190.794	40.0908	38.4103	38.3708
V 292.401	102.510	102.586	102.347
Zn 206.200	113.352	113.224	115.930

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	51.8937	ppb	0.1536	0.3	4055.40
Al 308.215	5015.04	ppb	28.1311	0.6	34155.8
As 188.980	103.256	ppb	4.2779	4.1	55.6531
B 249.678	394.896	ppb	1.1595	0.3	6060.38
Ba 389.178	109.981	ppb	0.1922	0.2	2214.84
Be 313.042	52.8883	ppb	0.0755	0.1	86588.1
Ca 370.602	9736	ppb	9.280	0.1	23493
Cd 226.502	51.7610	ppb	0.0645	0.1	1962.96
Co 228.615	53.2581	ppb	0.4951	0.9	556.813
Cr 267.716	101.707	ppb	0.1468	0.1	5149.06
Cu 324.754	104.886	ppb	1.2182	1.2	7809.74
Fe 271.441	5154.74	ppb	6.6535	0.1	7352.43
K 766.491	7266.90	ppb	8.3158	0.1	322805
Mg 279.078	6692.88	ppb	8.8263	0.1	16553.7
Mn 257.610	584.224	ppb	0.1863	0.0	123539
Mo 202.032	100.892	ppb	0.2780	0.3	643.248
Na 330.237	17689.2	ppb	67.9898	0.4	954.700
Ni 231.604	107.101	ppb	0.2659	0.2	291.424
Pb 220.353	501.655	ppb	0.5323	0.1	725.961
Sb 206.834	49.2185	ppb	1.9488	4.0	69.7105
Se 196.026	92.6544	ppb	9.4756	10.2	39.4397
Sn 189.925	195.172	ppb	2.2566	1.2	125.561
Sr 216.596	131.962	ppb	0.3535	0.3	1447.70
Ti 334.941	101.073	ppb	0.1409	0.1	28729.1
Tl 190.794	38.9573	ppb	0.9818	2.5	32.9331
V 292.401	102.481	ppb	0.1218	0.1	2642.52
Zn 206.200	114.169	ppb	1.5263	1.3	103.581

680-106113-e-7-a (Samp) **10/13/2014, 10:25:13 PM** **Rack 2, Tube 56**

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

Label	Replicates Concentration		
Ag 328.068	0.1770	0.0897	0.0611
Al 308.215	86.3974	86.3397	85.3932
As 188.980	-1.8048u	-0.6225u	0.8551

Label	Replicates Concentration		
B 249.678	224.678	224.526	224.786
Ba 389.178	9.7869	10.2629	11.1690
Be 313.042	0.1011	0.1024	0.1025
Ca 370.602	3642	3627	3618
Cd 226.502	0.2564	0.2669	0.1913
Co 228.615	1.2151	1.6206	1.6180
Cr 267.716	0.3384	0.0112	0.2583
Cu 324.754	0.8670	0.8240	1.1779
Fe 271.441	105.141	94.7739	101.909
K 766.491	1792.08	1794.56	1760.02
Mg 279.078	1289.88	1298.33	1293.86
Mn 257.610	43.9150	43.8907	43.9582
Mo 202.032	0.8057	0.6750	0.5505
Na 330.237	10595.9	10708.2	10666.0
Ni 231.604	4.1918	5.0835	4.9759
Pb 220.353	-1.6004u	-0.1937u	0.0583
Sb 206.834	-3.8004u	-0.5975u	0.7126
Se 196.026	-1.7978u	-0.2607u	2.8803
Sn 189.925	-2.1603u	-0.0994u	-0.1763u
Sr 216.596	26.4802	26.8407	25.7774
Ti 334.941	0.2646	0.2126	0.3058
Tl 190.794	-0.7245u	-0.4418u	0.1736
V 292.401	-0.1707u	0.0293	-0.0845u
Zn 206.200	13.4830	12.6297	11.5493

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	0.1092	ppb	0.0604	55.3	-4.9342
Al 308.215	86.0434	ppb	0.5638	0.7	1092.83
As 188.980	-0.5241	ppb	1.3326	254.3	-5.3853
B 249.678	224.663	ppb	0.1310	0.1	3468.66
Ba 389.178	10.4062	ppb	0.7021	6.7	156.088
Be 313.042	0.1020	ppb	0.0008	0.8	-81.4163
Ca 370.602	3629	ppb	12.00	0.3	8766
Cd 226.502	0.2382	ppb	0.0410	17.2	14.9093
Co 228.615	1.4846	ppb	0.2334	15.7	13.2869
Cr 267.716	0.2026	ppb	0.1706	84.2	42.4788
Cu 324.754	0.9563	ppb	0.1931	20.2	307.801
Fe 271.441	100.608	ppb	5.3047	5.3	151.795
K 766.491	1782.22	ppb	19.2673	1.1	79316.9
Mg 279.078	1294.02	ppb	4.2258	0.3	3211.39
Mn 257.610	43.9213	ppb	0.0342	0.1	9336.21
Mo 202.032	0.6771	ppb	0.1276	18.8	9.7289
Na 330.237	10656.7	ppb	56.7473	0.5	586.061
Ni 231.604	4.7504	ppb	0.4867	10.2	6.8621
Pb 220.353	-0.5786	ppb	0.8938	154.5	0.2194
Sb 206.834	-1.2284	ppb	2.3217	189.0	2.8167
Se 196.026	0.2739	ppb	2.3844	870.5	2.2980
Sn 189.925	-0.8120	ppb	1.1683	143.9	-3.9693
Sr 216.596	26.3661	ppb	0.5408	2.1	291.842
Ti 334.941	0.2610	ppb	0.0467	17.9	27.6780
Tl 190.794	-0.3309	ppb	0.4592	138.8	-5.5789
V 292.401	-0.0753	ppb	0.1003	133.2	-6.7323
Zn 206.200	12.5540	ppb	0.9691	7.7	12.1673

680-106113-e-8-a (Samp) **10/13/2014, 10:29:29 PM** **Rack 2, Tube 57**

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

Label	Replicates Concentration		
Ag 328.068	0.0324	0.4411	0.3026
Al 308.215	33.5675	36.1117	35.5199
As 188.980	-0.6972u	2.3426	3.3897
B 249.678	152.300	152.369	152.703
Ba 389.178	7.6776	7.5117	7.2912
Be 313.042	0.0453	0.0449	0.0500
Ca 370.602	1558	1564	1570
Cd 226.502	0.0643	0.1956	0.0390
Co 228.615	0.8296	1.0829	1.1624
Cr 267.716	0.1952	0.2551	0.1701
Cu 324.754	0.8230	0.6160	0.6547
Fe 271.441	40.2722	44.3193	34.8817
K 766.491	1155.81	1156.68	1163.75
Mg 279.078	724.449	724.663	729.044
Mn 257.610	18.5136	18.6152	18.6457
Mo 202.032	-0.0397u	-0.0077u	-0.3658u
Na 330.237	10973.0	10939.2	11031.9
Ni 231.604	4.3013	3.7953	4.1954
Pb 220.353	1.9058	0.0910	-0.4326u
Sb 206.834	-0.7335u	-2.6689u	-1.4755u
Se 196.026	-0.7192u	3.8931	3.6670
Sn 189.925	-0.7583u	-1.0964u	-1.3966u
Sr 216.596	13.5863	13.0494	13.0551
Ti 334.941	0.4103	0.3468	0.4147
Tl 190.794	2.0800	0.7470	-2.2906u
V 292.401	0.0257	0.2175	-0.3073u
Zn 206.200	7.5605	8.2816	7.7594

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	0.2587	ppb	0.2078	80.3	7.0943
Al 308.215	35.0663	ppb	1.3313	3.8	750.983
As 188.980	1.6784	ppb	2.1229	126.5	-4.0896
B 249.678	152.457	ppb	0.2154	0.1	2365.22
Ba 389.178	7.4935	ppb	0.1939	2.6	95.3966
Be 313.042	0.0468	ppb	0.0028	6.0	-172.653
Ca 370.602	1564	ppb	6.136	0.4	3786
Cd 226.502	0.0996	ppb	0.0841	84.4	9.4698
Co 228.615	1.0249	ppb	0.1738	17.0	8.4789
Cr 267.716	0.2068	ppb	0.0437	21.1	42.5532
Cu 324.754	0.6979	ppb	0.1100	15.8	289.104
Fe 271.441	39.8244	ppb	4.7347	11.9	65.2261
K 766.491	1158.75	ppb	4.3520	0.4	51638.4
Mg 279.078	726.052	ppb	2.5931	0.4	1807.00
Mn 257.610	18.5915	ppb	0.0691	0.4	3980.43
Mo 202.032	-0.1378	ppb	0.1982	143.9	4.5779
Na 330.237	10981.3	ppb	46.9297	0.4	603.391
Ni 231.604	4.0973	ppb	0.2669	6.5	5.0445
Pb 220.353	0.5214	ppb	1.2272	235.4	1.8104
Sb 206.834	-1.6259	ppb	0.9765	60.1	2.2980
Se 196.026	2.2803	ppb	2.6001	114.0	3.0959
Sn 189.925	-1.0837	ppb	0.3193	29.5	-4.1488
Sr 216.596	13.2303	ppb	0.3083	2.3	147.783

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ti 334.941	0.3906	ppb	0.0380	9.7	63.5434
Tl 190.794	0.1788	ppb	2.2400	1252.7	-5.0775
V 292.401	-0.0214	ppb	0.2655	1240.4	-5.2339
Zn 206.200	7.8671	ppb	0.3724	4.7	7.9322

680-106113-e-9-a (Samp) **10/13/2014, 10:33:46 PM** **Rack 2, Tube 58**

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

Label	Replicates Concentration		
Ag 328.068	-0.1362u	-0.2943u	0.0753
Al 308.215	42.3805	42.3252	40.0543
As 188.980	-3.5507u	0.8914	-4.2273u
B 249.678	41.6589	41.7528	40.9170
Ba 389.178	6.1620	5.6842	4.9885
Be 313.042	-0.0132u	-0.0106u	-0.0123u
Ca 370.602	5480	5472	5461
Cd 226.502	0.1492	0.1549	0.0636
Co 228.615	1.0171	1.2858	1.0529
Cr 267.716	0.2819	0.3698	0.3217
Cu 324.754	0.9959	0.7583	0.9553
Fe 271.441	582.265	585.733	579.044
K 766.491	2200.91	2204.79	2201.08
Mg 279.078	1862.22	1863.72	1858.59
Mn 257.610	55.4410	55.3956	55.5250
Mo 202.032	0.6630	0.9451	1.1130
Na 330.237	10094.3	10180.2	9775.02
Ni 231.604	3.6320	1.9140	3.5683
Pb 220.353	-1.5140u	2.6874	1.4752
Sb 206.834	-4.9851u	-0.9978u	-1.2482u
Se 196.026	-1.7813u	-3.1315u	0.6496
Sn 189.925	-1.6292u	-4.3635u	-1.2720u
Sr 216.596	31.5318	31.1235	31.4738
Ti 334.941	0.5943	0.5731	0.5442
Tl 190.794	0.2096	-3.0578u	-0.7736u
V 292.401	0.3166	0.1688	-0.0097u
Zn 206.200	7.6639	7.1275	5.8831

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.1184	ppb	0.1855	156.7	-22.9954
Al 308.215	41.5867	ppb	1.3273	3.2	795.682
As 188.980	-2.2955	ppb	2.7806	121.1	-6.4306
B 249.678	41.4429	ppb	0.4579	1.1	667.387
Ba 389.178	5.6116	ppb	0.5901	10.5	58.4238
Be 313.042	-0.0120	ppb	0.0013	11.2	-268.093
Ca 370.602	5471	ppb	9.724	0.2	13205
Cd 226.502	0.1226	ppb	0.0511	41.7	12.5104
Co 228.615	1.1186	ppb	0.1459	13.0	9.4725
Cr 267.716	0.3245	ppb	0.0440	13.6	48.8575
Cu 324.754	0.9032	ppb	0.1271	14.1	304.181
Fe 271.441	582.347	ppb	3.3450	0.6	837.445
K 766.491	2202.26	ppb	2.1903	0.1	97964.3
Mg 279.078	1861.51	ppb	2.6370	0.1	4614.88
Mn 257.610	55.4539	ppb	0.0657	0.1	11778.3
Mo 202.032	0.9070	ppb	0.2274	25.1	11.1624

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Na 330.237	10016.5	ppb	213.483	2.1	552.176
Ni 231.604	3.0381	ppb	0.9740	32.1	2.1437
Pb 220.353	0.8828	ppb	2.1624	244.9	2.3055
Sb 206.834	-2.4104	ppb	2.2333	92.7	1.2510
Se 196.026	-1.4211	ppb	1.9161	134.8	1.6253
Sn 189.925	-2.4216	ppb	1.6912	69.8	-5.0333
Sr 216.596	31.3764	ppb	0.2209	0.7	347.703
Ti 334.941	0.5706	ppb	0.0251	4.4	116.867
Tl 190.794	-1.2073	ppb	1.6763	138.9	-6.5016
V 292.401	0.1586	ppb	0.1634	103.1	-0.5239
Zn 206.200	6.8915	ppb	0.9136	13.3	7.0292

680-106113-f-10-a (Samp) **10/13/2014, 10:38:03 PM** **Rack 2, Tube 59**

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

Label	Replicates Concentration		
Ag 328.068	0.1841	-0.0307u	-0.0878u
Al 308.215	5.5893	6.1845	6.9096
As 188.980	14.6405	16.7726	15.2179
B 249.678	62.3910	62.3462	62.1584
Ba 389.178	17.9973	17.8740	18.0733
Be 313.042	-0.0154u	-0.0149u	-0.0108u
Ca 370.602	8020	8041	8082
Cd 226.502	-1.1185	-1.1399	-1.2904
Co 228.615	7.8497	8.0332	8.2811
Cr 267.716	0.1108	0.2431	0.0370
Cu 324.754	0.0605	0.3646	0.1380
Fe 271.441	58570.7	58529.8	58665.9
K 766.491	2218.78	2221.76	2217.44
Mg 279.078	3005.36	3009.79	3010.67
Mn 257.610	726.370	726.865	728.831
Mo 202.032	0.5656	0.7490	1.0671
Na 330.237	18860.9	18734.7	18711.9
Ni 231.604	6.3065	6.6210	6.9446
Pb 220.353	3.5989	1.7962u	-3.2207u
Sb 206.834	-0.3108	-3.2717u	-5.6621u
Se 196.026	-5.7061u	-4.4069u	-5.5384u
Sn 189.925	-1.4759u	-2.8509u	-3.8568u
Sr 216.596	47.9614	48.7723	48.0857
Ti 334.941	0.1849	0.1582	0.1386
Tl 190.794	-1.7683u	-3.6196u	-1.2091u
V 292.401	0.5812	0.3511	0.0978
Zn 206.200	6.9385	8.6229	8.7118

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	0.0219	ppb	0.1433	655.8	-18.5735
Al 308.215	6.2278	ppb	0.6612	10.6	656.532
As 188.980	15.5437	ppb	1.1028	7.1	3.7279
B 249.678	62.2985	ppb	0.1234	0.2	863.364
Ba 389.178	17.9815	ppb	0.1006	0.6	343.699
Be 313.042	-0.0137	ppb	0.0025	18.5	-272.822
Ca 370.602	8048	ppb	31.62	0.4	18844
Cd 226.502	-1.1829	ppb	0.0937	7.9	196.035
Co 228.615	8.0547	ppb	0.2165	2.7	85.9086

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Cr 267.716	0.1303	ppb	0.1044	80.1	68.0124
Cu 324.754	0.1877	ppb	0.1580	84.2	277.190
Fe 271.441	58588.8	ppb	69.8243	0.1	83403.6
K 766.491	2219.32	ppb	2.2130	0.1	98721.9
Mg 279.078	3008.61	ppb	2.8454	0.1	7439.59
Mn 257.610	727.355	ppb	1.3015	0.2	153905
Mo 202.032	0.7939	ppb	0.2537	32.0	7.9222
Na 330.237	18769.2	ppb	80.2482	0.4	1000.56
Ni 231.604	6.6240	ppb	0.3190	4.8	16.5189
Pb 220.353	0.7248	ppb	3.5338	487.5	-1.3399
Sb 206.834	-3.0815	ppb	2.6807	87.0	2.1161
Se 196.026	-5.2172	ppb	0.7067	13.5	0.6964
Sn 189.925	-2.7279	ppb	1.1952	43.8	-5.2334
Sr 216.596	48.2731	ppb	0.4367	0.9	594.908
Ti 334.941	0.1606	ppb	0.0232	14.5	8.1728
Tl 190.794	-2.1990	ppb	1.2617	57.4	-14.1994
V 292.401	0.3433	ppb	0.2418	70.4	25.0373
Zn 206.200	8.0911	ppb	0.9991	12.3	5.8973

680-106113-e-16-a (Samp) **10/13/2014, 10:42:20 PM** **Rack 2, Tube 60**

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

Label	Replicates Concentration		
Ag 328.068	0.2358	-0.1450u	-0.0257u
Al 308.215	57.0600	57.6834	56.9315
As 188.980	-2.2867u	-2.1521u	5.4979
B 249.678	27.9780	26.9877	27.3205
Ba 389.178	11.0879	11.6850	11.7318
Be 313.042	0.0377	0.0290	0.0231
Ca 370.602	13255	13228	13220
Cd 226.502	0.0468	0.2863	0.1400
Co 228.615	1.9856	2.2960	2.4098
Cr 267.716	0.3240	0.4418	0.3089
Cu 324.754	7.1278	7.4505	6.9146
Fe 271.441	318.823	314.314	313.835
K 766.491	1356.76	1357.49	1356.58
Mg 279.078	1414.76	1409.06	1415.50
Mn 257.610	66.7750	66.6565	66.5849
Mo 202.032	0.1277	-0.3024u	-0.3615u
Na 330.237	3381.67	3420.12	3414.60
Ni 231.604	4.0172	3.8381	3.7311
Pb 220.353	0.2817	1.4360	0.4594
Sb 206.834	1.4702	-3.0904u	3.7152
Se 196.026	2.9055	-0.0209	-2.4887u
Sn 189.925	-2.9543u	-1.9226u	-2.0645u
Sr 216.596	63.6177	62.7118	62.3801
Ti 334.941	0.6575	0.7095	0.7098
Tl 190.794	-2.3123u	1.1524	1.4783
V 292.401	-0.0291u	0.1747	0.1264
Zn 206.200	14.0461	14.2639	12.5033

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	0.0217	ppb	0.1948	897.6	-12.9212
Al 308.215	57.2250	ppb	0.4022	0.7	899.975

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
As 188.980	0.3530	ppb	4.4561	1262.3	-4.8706
B 249.678	27.4287	ppb	0.5039	1.8	453.813
Ba 389.178	11.5016	ppb	0.3590	3.1	178.876
Be 313.042	0.0299	ppb	0.0074	24.6	-195.900
Ca 370.602	13234	ppb	18.23	0.1	31931
Cd 226.502	0.1577	ppb	0.1207	76.6	12.7737
Co 228.615	2.2305	ppb	0.2196	9.8	21.1623
Cr 267.716	0.3582	ppb	0.0728	20.3	50.3621
Cu 324.754	7.1643	ppb	0.2698	3.8	755.689
Fe 271.441	315.657	ppb	2.7520	0.9	457.962
K 766.491	1356.94	ppb	0.4806	0.0	60437.2
Mg 279.078	1413.11	ppb	3.5254	0.2	3505.52
Mn 257.610	66.6721	ppb	0.0960	0.1	14144.3
Mo 202.032	-0.1788	ppb	0.2670	149.4	4.3066
Na 330.237	3405.46	ppb	20.7890	0.6	201.993
Ni 231.604	3.8621	ppb	0.1445	3.7	4.4094
Pb 220.353	0.7257	ppb	0.6215	85.6	2.0978
Sb 206.834	0.6983	ppb	3.4678	496.6	5.4043
Se 196.026	0.1320	ppb	2.7003	2046.0	2.2473
Sn 189.925	-2.3138	ppb	0.5592	24.2	-4.9639
Sr 216.596	62.9032	ppb	0.6406	1.0	694.038
Ti 334.941	0.6922	ppb	0.0301	4.3	151.215
Tl 190.794	0.1062	ppb	2.1008	1978.5	-5.1567
V 292.401	0.0906	ppb	0.1065	117.5	-2.1613
Zn 206.200	13.6044	ppb	0.9598	7.1	13.1085

Cont Calib Verif (CCV) **10/13/2014, 10:46:37 PM** **Rack 3, Tube 1**

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

Label	Replicates Concentration		
Ag 328.068	508.420	511.001	508.996
Al 308.215	4895.80	4884.03	4887.86
As 188.980	484.780	468.368	471.690
B 249.678	495.668	497.523	499.539
Ba 389.178	4955.72	4941.05	4944.82
Be 313.042	495.018	493.562	494.075
Ca 370.602	4885	4864	4884
Cd 226.502	501.190	500.429	501.079
Co 228.615	501.280	500.789	502.708
Cr 267.716	4927.14	4910.21	4918.98
Cu 324.754	5015.52	5084.48	5055.62
Fe 271.441	4962.88	4933.48	4955.92
K 766.491	10099.4	10061.7	10064.0
Mg 279.078	4937.98	4945.03	4947.80
Mn 257.610	5025.96	5027.74	5006.19
Mo 202.032	488.829	485.175	488.455
Na 330.237	7691.08	7419.81	7562.07
Ni 231.604	2513.83	2512.26	2514.96
Pb 220.353	496.206	495.479	496.368
Sb 206.834	959.806	963.159	957.719
Se 196.026	4900.24	4883.16	4885.50
Sn 189.925	4980.39	4895.45	4996.32
Sr 216.596	2491.34	2485.46	2490.34
Ti 334.941	490.931	488.708	488.851

Label	Replicates Concentration		
Tl 190.794	4990.43	4981.87	4974.76
V 292.401	4928.69	4911.10	4914.37
Zn 206.200	2488.09	2469.24	2483.10

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Ag 328.068	509.472	ppb	1.3546	0.3	39903.1	101.89448
Al 308.215	4889.23	ppb	6.0019	0.1	33809.6	97.78457
As 188.980	474.946	ppb	8.6771	1.8	274.198	94.98917
B 249.678	497.577	ppb	1.9358	0.4	7642.61	99.51530
Ba 389.178	4947.20	ppb	7.6160	0.2	101741	98.94398
Be 313.042	494.218	ppb	0.7385	0.1	811451	98.84367
Ca 370.602	4878	ppb	11.57	0.2	12055	97.55032
Cd 226.502	500.900	ppb	0.4111	0.1	18767.2	100.17992
Co 228.615	501.592	ppb	0.9969	0.2	5269.93	100.31845
Cr 267.716	4918.78	ppb	8.4652	0.2	247290	98.37556
Cu 324.754	5051.88	ppb	34.6310	0.7	364621	101.03750
Fe 271.441	4950.76	ppb	15.3631	0.3	7155.47	99.01524
K 766.491	10075.0	ppb	21.1126	0.2	447469	100.75009
Mg 279.078	4943.60	ppb	5.0674	0.1	12143.4	98.87209
Mn 257.610	5019.96	ppb	11.9607	0.2	1060645	100.39919
Mo 202.032	487.486	ppb	2.0102	0.4	3083.53	97.49728
Na 330.237	7557.65	ppb	135.689	1.8	365.275	100.76869
Ni 231.604	2513.68	ppb	1.3568	0.1	6974.95	100.54725
Pb 220.353	496.018	ppb	0.4737	0.1	721.497	99.20358
Sb 206.834	960.228	ppb	2.7447	0.3	1330.49	96.02279
Se 196.026	4889.63	ppb	9.2632	0.2	1961.27	97.79265
Sn 189.925	4957.39	ppb	54.2265	1.1	3272.98	99.14780
Sr 216.596	2489.05	ppb	3.1503	0.1	27095.0	99.56190
Ti 334.941	489.497	ppb	1.2442	0.3	139275	97.89932
Tl 190.794	4982.35	ppb	7.8443	0.2	4936.19	99.64709
V 292.401	4918.05	ppb	9.3542	0.2	127582	98.36102
Zn 206.200	2480.14	ppb	9.7698	0.4	2230.13	99.20572

Cont Calib Blank (CCB) **10/13/2014, 10:50:55 PM** **Rack 3, Tube 2**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Replicates Concentration		
Ag 328.068	0.0306	0.0837	0.3609
Al 308.215	-6.2828u	-5.5960u	-6.9519u
As 188.980	2.2461	4.5675	-3.4917u
B 249.678	9.6593	8.8939	7.4016
Ba 389.178	0.7388	0.2463	-0.0620u
Be 313.042	0.0107	0.0150	0.0142
Ca 370.602	-1.695u	1.157	4.532
Cd 226.502	0.3861	0.2473	0.3126
Co 228.615	0.3798	0.2497	0.2822
Cr 267.716	0.4659	0.5533	0.5342
Cu 324.754	0.6603	0.5448	0.3593
Fe 271.441	-4.9592u	2.2071	-3.6724u
K 766.491	2.4525	1.7595	1.7258
Mg 279.078	5.4781	2.4260	4.4119
Mn 257.610	0.4778	0.5034	0.4928
Mo 202.032	0.7208	0.7107	0.1981
Na 330.237	66.3122	36.4366	-5.2545u

Label	Replicates Concentration		
Ni 231.604	0.6943	1.6452	0.6868
Pb 220.353	0.1131	0.1489	-0.0766u
Sb 206.834	3.5269	-1.8853u	1.7878
Se 196.026	3.1162	0.5832	-5.2728u
Sn 189.925	0.7475	-2.7693u	-1.7156u
Sr 216.596	0.3035	0.2932	-0.0215u
Ti 334.941	0.1030	0.0753	0.0774
Tl 190.794	-0.4682u	1.4863	1.2952
V 292.401	0.2740	0.6978	0.4807
Zn 206.200	1.7087	0.1873	3.1015

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Ag 328.068	0.1584	ppb	0.1774	112.0	-0.4220	0.15841
Al 308.215	-6.2769	ppb	0.6780	10.8	473.886	-6.27692
As 188.980	1.1073	ppb	4.1485	374.6	-4.4259	1.10731
B 249.678	8.6516	ppb	1.1482	13.3	167.493	8.65161
Ba 389.178	0.3077	ppb	0.4039	131.3	-53.3813	0.30769
Be 313.042	0.0133	ppb	0.0022	16.9	-227.000	0.01329
Ca 370.602	1.331	ppb	3.117	234.2	17.07	1.33114
Cd 226.502	0.3153	ppb	0.0694	22.0	17.4327	0.31532
Co 228.615	0.3039	ppb	0.0677	22.3	0.8811	0.30390
Cr 267.716	0.5178	ppb	0.0459	8.9	57.8767	0.51777
Cu 324.754	0.5215	ppb	0.1519	29.1	276.380	0.52149
Fe 271.441	-2.1415	ppb	3.8206	178.4	5.4193	-2.14147
K 766.491	1.9793	ppb	0.4102	20.7	284.635	1.97928
Mg 279.078	4.1054	ppb	1.5490	37.7	21.6029	4.10535
Mn 257.610	0.4913	ppb	0.0129	2.6	151.035	0.49131
Mo 202.032	0.5432	ppb	0.2989	55.0	8.8861	0.54322
Na 330.237	32.4981	ppb	35.9456	110.6	23.7440	32.49805
Ni 231.604	1.0088	ppb	0.5512	54.6	-3.5357	1.00878
Pb 220.353	0.0618	ppb	0.1212	196.2	1.1452	0.06176
Sb 206.834	1.1431	ppb	2.7631	241.7	5.9777	1.14315
Se 196.026	-0.5245	ppb	4.3028	820.4	1.9687	-0.52448
Sn 189.925	-1.2458	ppb	1.8049	144.9	-4.2590	-1.24578
Sr 216.596	0.1918	ppb	0.1847	96.3	5.0146	0.19177
Ti 334.941	0.0852	ppb	0.0154	18.1	-23.7476	0.08521
Tl 190.794	0.7711	ppb	1.0775	139.7	-4.4980	0.77113
V 292.401	0.4842	ppb	0.2119	43.8	7.8472	0.48418
Zn 206.200	1.6658	ppb	1.4576	87.5	2.3263	1.66582

640-49375-a-1-a (Samp) **10/13/2014, 10:55:12 PM** **Rack 3, Tube 3**

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

Label	Replicates Concentration		
Ag 328.068	-0.6276u	-0.3957u	-0.3351u
Al 308.215	22567.5	22626.4	22619.8
As 188.980	19.0515	25.2686	17.8599
B 249.678	3258.36	3271.87	3290.59
Ba 389.178	65.2011	65.3565	65.7352
Be 313.042	1.0166	1.0131	1.0090
Ca 370.602	8433	8432	8366
Cd 226.502	0.7551	0.7868	0.7908
Co 228.615	9.7751	9.6735	9.9494
Cr 267.716	61.0925	60.9306	60.8184

Label	Replicates Concentration		
Cu 324.754	183.276	184.238	183.783
Fe 271.441	17151.9	17174.3	17171.4
K 766.491	199984x	200459x	200130x
Mg 279.078	9412.25	9420.65	9415.09
Mn 257.610	21.6068	21.6352	21.5727
Mo 202.032	76.1514	75.2957	75.7503
Na 330.237	50945.9	50988.3	51091.6
Ni 231.604	35.4997	35.5140	37.6185
Pb 220.353	12.5621	14.5226	15.7292
Sb 206.834	5.0740	3.0449	2.8781
Se 196.026	28.2857	27.7730	33.3909
Sn 189.925	-1.5148u	0.9652	-1.5934u
Sr 216.596	117.053	118.073	116.684
Ti 334.941	142.705	142.963	142.765
Tl 190.794	-0.6634u	0.9140u	-0.0337u
V 292.401	42.2784	42.6029	42.2316
Zn 206.200	48.1059	48.1410	46.8664

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.4528b	ppb	0.1544	34.1	-54.6493
Al 308.215	22604.6b	ppb	32.2893	0.1	152071
As 188.980	20.7267b	ppb	3.9783	19.2	7.2076
B 249.678	3273.61b	ppb	16.1823	0.5	50031.4
Ba 389.178	65.4309b	ppb	0.2747	0.4	1307.60
Be 313.042	1.0129b	ppb	0.0038	0.4	1396.24
Ca 370.602	8410b	ppb	38.33	0.5	20179
Cd 226.502	0.7776b	ppb	0.0196	2.5	103.295
Co 228.615	9.7993b	ppb	0.1395	1.4	102.803
Cr 267.716	60.9472b	ppb	0.1378	0.2	3104.64
Cu 324.754	183.766b	ppb	0.4814	0.3	13504.9
Fe 271.441	17165.8b	ppb	12.1681	0.1	24443.6
K 766.491	200191xb	ppb	243.015	0.1	8887509
Mg 279.078	9416.00b	ppb	4.2750	0.0	23293.8
Mn 257.610	21.6049b	ppb	0.0313	0.1	4731.42
Mo 202.032	75.7325b	ppb	0.4281	0.6	483.659
Na 330.237	51008.6b	ppb	74.9269	0.1	2717.43
Ni 231.604	36.2107b	ppb	1.2192	3.4	95.5391
Pb 220.353	14.2713b	ppb	1.5985	11.2	20.2345
Sb 206.834	3.6656b	ppb	1.2225	33.3	9.2583
Se 196.026	29.8165b	ppb	3.1061	10.4	14.2581
Sn 189.925	-0.7143b	ppb	1.4550	203.7	-3.8935
Sr 216.596	117.270b	ppb	0.7198	0.6	1301.81
Ti 334.941	142.811b	ppb	0.1348	0.1	40612.3
Tl 190.794	0.0723b	ppb	0.7940	1097.9	-7.4098
V 292.401	42.3710b	ppb	0.2022	0.5	1090.11
Zn 206.200	47.7044b	ppb	0.7260	1.5	43.1372

640-49375-a-2-a (Samp) **10/13/2014, 10:59:29 PM** **Rack 3, Tube 4**

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

Label	Replicates Concentration		
Ag 328.068	-0.2106	0.0089	-0.0554
Al 308.215	175.137	176.776	176.407
As 188.980	3.0480	2.8733	-1.2015u

Label	Replicates Concentration		
B 249.678	410.758	406.909	401.983
Ba 389.178	157.754	158.570	158.521
Be 313.042	-0.0156u	-0.0169u	-0.0183u
Ca 370.602	26591	26547	26619
Cd 226.502	0.0098	0.1624	0.1039
Co 228.615	1.0522	0.8799	0.5125
Cr 267.716	0.2995	0.1844	0.4103
Cu 324.754	0.4711	0.4888	0.5223
Fe 271.441	3234.36	3223.17	3254.82
K 766.491	120953x	120921x	120950x
Mg 279.078	12128.1	12126.1	12124.9
Mn 257.610	6908.60	6909.42	6908.97
Mo 202.032	0.2402	0.4266	-0.2294u
Na 330.237	22194.4	21991.7	22029.0
Ni 231.604	3.9991	2.9526	3.3555
Pb 220.353	1.8184	1.9042	1.3910
Sb 206.834	2.0444	-0.3063u	2.4602
Se 196.026	-3.6155u	-2.9963	0.7053
Sn 189.925	-2.3059u	-2.4100u	-1.1203u
Sr 216.596	243.620	242.775	243.074
Ti 334.941	0.6209	0.6604	0.5914
Tl 190.794	-1.1757	2.0079	-2.5716
V 292.401	0.3546	0.4285	0.0931
Zn 206.200	28.7748	25.9872	31.6616

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.0857b	ppb	0.1129	131.7	5.0114
Al 308.215	176.107b	ppb	0.8595	0.5	1701.81
As 188.980	1.5733b	ppb	2.4046	152.8	-4.1686
B 249.678	406.550b	ppb	4.3983	1.1	6242.24
Ba 389.178	158.282b	ppb	0.4577	0.3	3213.80
Be 313.042	-0.0169b	ppb	0.0014	8.1	-277.724
Ca 370.602	26586b	ppb	36.18	0.1	64250
Cd 226.502	0.0920b	ppb	0.0770	83.7	22.0455
Co 228.615	0.8149b	ppb	0.2757	33.8	6.5469
Cr 267.716	0.2981b	ppb	0.1129	37.9	79.9293
Cu 324.754	0.4941b	ppb	0.0260	5.3	275.758
Fe 271.441	3237.45b	ppb	16.0486	0.5	4616.63
K 766.491	120941xb	ppb	17.6486	0.0	5369284
Mg 279.078	12126.4b	ppb	1.6395	0.0	29876.3
Mn 257.610	6909.00b	ppb	0.4095	0.0	1459781
Mo 202.032	0.1458b	ppb	0.3381	231.9	6.2321
Na 330.237	22071.7b	ppb	107.902	0.5	1189.39
Ni 231.604	3.4357b	ppb	0.5279	15.4	3.4513
Pb 220.353	1.7045b	ppb	0.2749	16.1	4.6192
Sb 206.834	1.3994b	ppb	1.4918	106.6	6.4263
Se 196.026	-1.9689b	ppb	2.3365	118.7	2.7987
Sn 189.925	-1.9454b	ppb	0.7165	36.8	-4.7152
Sr 216.596	243.156b	ppb	0.4283	0.2	2668.18
Ti 334.941	0.6242b	ppb	0.0346	5.5	149.063
Tl 190.794	-0.5798b	ppb	2.3472	404.8	-3.0391
V 292.401	0.2920b	ppb	0.1762	60.3	4.0380
Zn 206.200	28.8079b	ppb	2.8374	9.8	26.7414

640-49375-a-3-a (Samp) **10/13/2014, 11:03:46 PM** **Rack 3, Tube 5**

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

Label	Replicates Concentration		
Ag 328.068	-0.1301u	-0.1923u	-0.1081u
Al 308.215	44.9973	44.1078	43.4584
As 188.980	1.7249	-0.0298u	-0.9290u
B 249.678	577.219	579.956	580.378
Ba 389.178	79.0828	78.6304	78.7274
Be 313.042	-0.0177u	-0.0240u	-0.0235u
Ca 370.602	28560	28474	28420
Cd 226.502	0.2533	0.1586	0.1999
Co 228.615	0.0530	0.1088	-0.2095u
Cr 267.716	1.5922	1.3050	1.3007
Cu 324.754	0.2528	0.1867	0.3631
Fe 271.441	46.8920	45.2260	47.2575
K 766.491	72623.3x	72675.8x	72891.9x
Mg 279.078	8820.41	8831.22	8850.50
Mn 257.610	63.2995	63.3175	63.2316
Mo 202.032	0.1442	0.0580	-0.2763u
Na 330.237	8804.10	8688.70	8983.19
Ni 231.604	3.5709	1.3155	2.8714
Pb 220.353	1.1632	0.4186	0.6153
Sb 206.834	0.6018	-4.5375u	-1.6231u
Se 196.026	4.1135	-7.8310u	-0.6858u
Sn 189.925	-4.4264u	-1.3260u	0.1683
Sr 216.596	194.766	195.631	195.458
Ti 334.941	0.9908	0.9987	0.9860
Tl 190.794	1.9690	-0.3031u	-0.0858u
V 292.401	3.4156	3.3501	3.4489
Zn 206.200	6.8683	7.0205	5.3063

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.1435b	ppb	0.0437	30.4	-30.1892
Al 308.215	44.1878b	ppb	0.7726	1.7	812.496
As 188.980	0.2554b	ppb	1.3497	528.6	-4.9267
B 249.678	579.185b	ppb	1.7148	0.3	8887.26
Ba 389.178	78.8136b	ppb	0.2382	0.3	1573.11
Be 313.042	-0.0217b	ppb	0.0035	16.1	-279.610
Ca 370.602	28484b	ppb	70.51	0.2	68715
Cd 226.502	0.2040b	ppb	0.0475	23.3	13.5037
Co 228.615	-0.0159b	ppb	0.1700	1067.3	-2.3965
Cr 267.716	1.3993b	ppb	0.1670	11.9	102.635
Cu 324.754	0.2675b	ppb	0.0891	33.3	258.017
Fe 271.441	46.4585b	ppb	1.0829	2.3	74.5700
K 766.491	72730.3xb	ppb	142.389	0.2	3228999
Mg 279.078	8834.04b	ppb	15.2442	0.2	21861.4
Mn 257.610	63.2829b	ppb	0.0453	0.1	13483.0
Mo 202.032	-0.0247b	ppb	0.2221	898.4	5.2890
Na 330.237	8825.33b	ppb	148.386	1.7	489.230
Ni 231.604	2.5859b	ppb	1.1545	44.6	0.8493
Pb 220.353	0.7324b	ppb	0.3859	52.7	2.1242
Sb 206.834	-1.8529b	ppb	2.5774	139.1	2.0046
Se 196.026	-1.4678b	ppb	6.0105	409.5	1.6040
Sn 189.925	-1.8614b	ppb	2.3436	125.9	-4.6634
Sr 216.596	195.285b	ppb	0.4576	0.2	2143.26

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ti 334.941	0.9918b	ppb	0.0064	0.6	248.789
Tl 190.794	0.5267b	ppb	1.2538	238.0	-4.7117
V 292.401	3.4049b	ppb	0.0503	1.5	83.8795
Zn 206.200	6.3984b	ppb	0.9488	14.8	6.6010

640-49376-a-1-a (Samp) **10/13/2014, 11:08:04 PM** **Rack 3, Tube 6**

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

Label	Replicates Concentration		
Ag 328.068	0.1691	-0.2739u	-0.0428u
Al 308.215	238.229	236.770	238.115
As 188.980	-6.2358u	-3.4825u	3.4177
B 249.678	606.240	606.609	608.515
Ba 389.178	57.6171	57.0684	58.0812
Be 313.042	0.0703	0.0704	0.0745
Ca 370.602	33435	33490	33564
Cd 226.502	0.2831	0.0564	0.1640
Co 228.615	-0.2732u	-0.5081u	0.0886
Cr 267.716	5.2508	5.2261	5.1038
Cu 324.754	1.1223	0.6684	0.8365
Fe 271.441	58.2458	58.3159	61.6715
K 766.491	92203.7x	92050.7x	92079.7x
Mg 279.078	3675.50	3672.50	3671.53
Mn 257.610	541.226	540.610	540.878
Mo 202.032	-0.2358u	0.1175	0.4475
Na 330.237	12588.6	12497.3	12705.9
Ni 231.604	1.0571	1.3829	2.7089
Pb 220.353	1.6077	2.2303	1.6676
Sb 206.834	-0.3129u	1.8273	0.3413
Se 196.026	-4.2994u	-12.9393u	2.4929
Sn 189.925	-0.6706u	-4.9767u	-3.3898u
Sr 216.596	224.899	224.180	223.935
Ti 334.941	4.3309	4.2962	4.3588
Tl 190.794	0.5481	-1.7224u	-2.1735u
V 292.401	3.8943	3.5918	3.5822
Zn 206.200	13.8064	13.0567	12.9378

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.0492b	ppb	0.2215	450.3	-21.3614
Al 308.215	237.705b	ppb	0.8110	0.3	2109.70
As 188.980	-2.1002b	ppb	4.9730	236.8	-6.3106
B 249.678	607.121b	ppb	1.2207	0.2	9314.30
Ba 389.178	57.5889b	ppb	0.5070	0.9	1129.83
Be 313.042	0.0717b	ppb	0.0024	3.3	-125.672
Ca 370.602	33496b	ppb	64.71	0.2	80814
Cd 226.502	0.1678b	ppb	0.1134	67.6	12.1212
Co 228.615	-0.2309b	ppb	0.3006	130.2	-4.5707
Cr 267.716	5.1936b	ppb	0.0787	1.5	295.628
Cu 324.754	0.8757b	ppb	0.2295	26.2	301.900
Fe 271.441	59.4110b	ppb	1.9579	3.3	93.0099
K 766.491	92111.3xb	ppb	81.2523	0.1	4089403
Mg 279.078	3673.18b	ppb	2.0741	0.1	9086.88
Mn 257.610	540.905b	ppb	0.3085	0.1	114350
Mo 202.032	0.1097b	ppb	0.3417	311.4	6.1386

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Na 330.237	12597.3b	ppb	104.595	0.8	688.819
Ni 231.604	1.7163b	ppb	0.8749	51.0	-1.5650
Pb 220.353	1.8352b	ppb	0.3435	18.7	3.8061
Sb 206.834	0.6186b	ppb	1.0967	177.3	5.3358
Se 196.026	-4.9153b	ppb	7.7345	157.4	0.3190
Sn 189.925	-3.0124b	ppb	2.1777	72.3	-5.4231
Sr 216.596	224.338b	ppb	0.5014	0.2	2461.97
Ti 334.941	4.3286b	ppb	0.0314	0.7	1189.29
Tl 190.794	-1.1159b	ppb	1.4587	130.7	-6.1195
V 292.401	3.6895b	ppb	0.1775	4.8	91.0580
Zn 206.200	13.2670b	ppb	0.4709	3.5	12.8005

640-49376-a-2-a (Samp) **10/13/2014, 11:12:21 PM** **Rack 3, Tube 7**

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

Label	Replicates	Concentration	
Ag 328.068	0.2412	-0.0832u	0.1415
Al 308.215	28.4365	28.1494	28.7813
As 188.980	1.4618	0.0694	1.9924
B 249.678	233.617	233.121	232.520
Ba 389.178	17.9570	19.2761	18.6130
Be 313.042	-0.0041	-0.0050	-0.0034
Ca 370.602	59981	59872	59876
Cd 226.502	0.0902	0.1271	0.2394
Co 228.615	-0.2494u	0.4016	-0.0653u
Cr 267.716	1.7732	1.9602	1.8410
Cu 324.754	0.4160	-0.2706u	0.2058
Fe 271.441	850.960	859.066	854.088
K 766.491	13703.0	13715.1	13720.2
Mg 279.078	4458.90	4463.54	4461.04
Mn 257.610	20.4899	20.5453	20.5251
Mo 202.032	0.1465	0.0979	0.1687
Na 330.237	28044.2	28294.3	28018.7
Ni 231.604	1.6020	1.0467	1.4668
Pb 220.353	1.2252	2.8179	2.1177
Sb 206.834	-1.6238u	-1.1563u	2.1177
Se 196.026	-1.4758u	-1.6507u	12.1547
Sn 189.925	-3.9164u	-3.6788u	-3.1329u
Sr 216.596	336.341	336.782	336.143
Ti 334.941	2.0452	2.0411	2.0949
Tl 190.794	0.3681	-2.7815u	2.6500
V 292.401	1.7276	1.7021	2.1475
Zn 206.200	9.9183	10.9605	10.1312

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	0.0998	ppb	0.1662	166.4	-15.8867
Al 308.215	28.4557	ppb	0.3164	1.1	708.250
As 188.980	1.1745	ppb	0.9932	84.6	-4.3908
B 249.678	233.086	ppb	0.5494	0.2	3595.85
Ba 389.178	18.6154	ppb	0.6596	3.5	329.421
Be 313.042	-0.0042	ppb	0.0008	18.5	-240.108
Ca 370.602	59909	ppb	61.74	0.1	144498
Cd 226.502	0.1522	ppb	0.0777	51.1	14.6315
Co 228.615	0.0290	ppb	0.3356	1158.7	-1.8910

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Cr 267.716	1.8582	ppb	0.0947	5.1	126.246
Cu 324.754	0.1171	ppb	0.3518	300.6	247.527
Fe 271.441	854.705	ppb	4.0880	0.5	1225.02
K 766.491	13712.8	ppb	8.8661	0.1	608964
Mg 279.078	4461.16	ppb	2.3260	0.1	11045.8
Mn 257.610	20.5201	ppb	0.0280	0.1	4418.70
Mo 202.032	0.1377	ppb	0.0362	26.3	6.2827
Na 330.237	28119.1	ppb	152.299	0.5	1510.66
Ni 231.604	1.3719	ppb	0.2896	21.1	-2.4617
Pb 220.353	2.0536	ppb	0.7983	38.9	3.9772
Sb 206.834	-0.2208	ppb	2.0387	923.2	4.2070
Se 196.026	3.0094	ppb	7.9206	263.2	3.3946
Sn 189.925	-3.5760	ppb	0.4017	11.2	-5.7912
Sr 216.596	336.422	ppb	0.3269	0.1	3694.76
Ti 334.941	2.0604	ppb	0.0299	1.5	543.943
Tl 190.794	0.0789	ppb	2.7273	3458.2	-5.2745
V 292.401	1.8591	ppb	0.2501	13.5	43.7801
Zn 206.200	10.3366	ppb	0.5507	5.3	10.1298

640-49377-c-1-a (Samp) **10/13/2014, 11:16:38 PM** **Rack 3, Tube 8**

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

Label	Replicates Concentration		
Ag 328.068	0.0768	-0.0310u	0.0206
Al 308.215	426.763	424.154	425.382
As 188.980	5.2395	5.1750	0.9342
B 249.678	27.1241	26.3053	25.7940
Ba 389.178	3.7533	3.2485	3.3159
Be 313.042	-0.0081u	-0.0052u	-0.0001
Ca 370.602	8685	8721	8752
Cd 226.502	0.1685	0.2017	0.1970
Co 228.615	0.4567	0.7544	0.6636
Cr 267.716	3.8438	3.9226	3.7568
Cu 324.754	57.9561	58.4435	58.2811
Fe 271.441	933.104	933.407	933.288
K 766.491	469.865	469.062	468.810
Mg 279.078	456.985	458.283	457.581
Mn 257.610	27.1989	27.2468	27.2722
Mo 202.032	3.0557	2.7873	3.1149
Na 330.237	4584.88	4694.63	4597.40
Ni 231.604	2.7470	2.3544	2.5299
Pb 220.353	3.7051	1.9718	2.6165
Sb 206.834	0.6415	-1.0599u	2.4672
Se 196.026	-2.9353u	-0.3975u	-0.9250u
Sn 189.925	0.3212	-2.6399u	-0.6945u
Sr 216.596	47.0552	47.2630	47.6180
Ti 334.941	32.1726	32.1985	32.1521
Tl 190.794	-0.0931u	-0.0608u	-2.7362u
V 292.401	12.6734	12.8956	12.7453
Zn 206.200	199.792	200.331	203.143

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	0.0221	ppb	0.0539	243.5	-12.6265
Al 308.215	425.433	ppb	1.3053	0.3	3370.54

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
As 188.980	3.7829	ppb	2.4673	65.2	-2.8540
B 249.678	26.4078	ppb	0.6709	2.5	436.895
Ba 389.178	3.4392	ppb	0.2741	8.0	12.1307
Be 313.042	-0.0045	ppb	0.0041	90.4	-253.602
Ca 370.602	8719	ppb	33.88	0.4	21047
Cd 226.502	0.1891	ppb	0.0180	9.5	16.4010
Co 228.615	0.6249	ppb	0.1526	24.4	4.8808
Cr 267.716	3.8411	ppb	0.0829	2.2	225.512
Cu 324.754	58.2269	ppb	0.2482	0.4	4439.45
Fe 271.441	933.266	ppb	0.1530	0.0	1336.99
K 766.491	469.246	ppb	0.5508	0.1	21028.5
Mg 279.078	457.616	ppb	0.6496	0.1	1142.72
Mn 257.610	27.2393	ppb	0.0372	0.1	5808.13
Mo 202.032	2.9860	ppb	0.1746	5.8	24.2834
Na 330.237	4625.64	ppb	60.0790	1.3	262.220
Ni 231.604	2.5438	ppb	0.1967	7.7	0.7984
Pb 220.353	2.7645	ppb	0.8761	31.7	4.9797
Sb 206.834	0.6829	ppb	1.7639	258.3	5.3866
Se 196.026	-1.4193	ppb	1.3391	94.4	1.6231
Sn 189.925	-1.0044	ppb	1.5047	149.8	-4.0982
Sr 216.596	47.3120	ppb	0.2846	0.6	523.053
Ti 334.941	32.1744	ppb	0.0233	0.1	9109.63
Tl 190.794	-0.9634	ppb	1.5354	159.4	-6.3042
V 292.401	12.7714	ppb	0.1134	0.9	327.545
Zn 206.200	201.089	ppb	1.7992	0.9	182.581

640-49377-b-2-a (Samp) **10/13/2014, 11:20:56 PM** **Rack 3, Tube 9**

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

Label	Replicates Concentration		
Ag 328.068	0.2458	0.3405	0.0285u
Al 308.215	85.9972	86.7368	87.4973
As 188.980	-1.3840u	-1.0702u	2.3692
B 249.678	20.7667	20.8638	20.1699
Ba 389.178	1.1280	1.2385	1.0537
Be 313.042	-0.0323u	-0.0325u	-0.0319u
Ca 370.602	47830	47714	47656
Cd 226.502	0.0999	0.1832	0.1720
Co 228.615	0.1950	0.3496	0.4123
Cr 267.716	0.8771	0.7811	0.9498
Cu 324.754	10.0280	10.5244	9.9882
Fe 271.441	57.3021	58.2855	55.8232
K 766.491	892.799	892.033	892.599
Mg 279.078	1284.43	1288.97	1285.75
Mn 257.610	21.4979	21.4056	21.3753
Mo 202.032	-0.3018u	0.0389	-0.4089u
Na 330.237	3141.30	2997.46	3220.68
Ni 231.604	1.2820	1.9721	1.8374
Pb 220.353	0.3162	-1.8167u	0.2744
Sb 206.834	0.2201	-0.1225u	-3.7801u
Se 196.026	4.9555	-2.4254u	2.6921
Sn 189.925	2.7525	0.9426	-1.4395u
Sr 216.596	254.635	255.187	254.149
Ti 334.941	0.6999	0.7283	0.6681

Label	Replicates Concentration		
Tl 190.794	-2.5405u	0.0325	-1.9637u
V 292.401	0.1876	-0.0031u	-0.2679u
Zn 206.200	343.307	346.645	344.279

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	0.2049	ppb	0.1600	78.1	-4.8920
Al 308.215	86.7438	ppb	0.7501	0.9	1097.39
As 188.980	-0.0283	ppb	2.0822	7347.3	-5.0931
B 249.678	20.6001	ppb	0.3757	1.8	349.978
Ba 389.178	1.1401	ppb	0.0930	8.2	-34.5879
Be 313.042	-0.0322	ppb	0.0003	1.0	-286.757
Ca 370.602	47733	ppb	88.80	0.2	115139
Cd 226.502	0.1517	ppb	0.0452	29.8	11.5171
Co 228.615	0.3190	ppb	0.1118	35.1	1.0740
Cr 267.716	0.8693	ppb	0.0846	9.7	75.7264
Cu 324.754	10.1802	ppb	0.2987	2.9	973.138
Fe 271.441	57.1369	ppb	1.2394	2.2	89.7932
K 766.491	892.477	ppb	0.3975	0.0	39817.5
Mg 279.078	1286.38	ppb	2.3334	0.2	3192.91
Mn 257.610	21.4263	ppb	0.0639	0.3	4584.17
Mo 202.032	-0.2240	ppb	0.2338	104.4	4.0320
Na 330.237	3119.81	ppb	113.152	3.6	179.578
Ni 231.604	1.6972	ppb	0.3658	21.6	-1.6194
Pb 220.353	-0.4087	ppb	1.2195	298.4	0.4655
Sb 206.834	-1.2275	ppb	2.2173	180.6	2.8378
Se 196.026	1.7407	ppb	3.7813	217.2	2.8804
Sn 189.925	0.7519	ppb	2.1025	279.6	-2.9379
Sr 216.596	254.657	ppb	0.5193	0.2	2797.73
Ti 334.941	0.6988	ppb	0.0301	4.3	152.856
Tl 190.794	-1.4906	ppb	1.3502	90.6	-6.7320
V 292.401	-0.0278	ppb	0.2288	823.3	-5.3377
Zn 206.200	344.744	ppb	1.7166	0.5	312.501

640-49377-b-3-a (Samp) **10/13/2014, 11:25:13 PM** **Rack 3, Tube 10**

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

Label	Replicates Concentration		
Ag 328.068	0.2830	-0.0275u	0.0344
Al 308.215	89.5174	88.9179	87.8809
As 188.980	1.6095	-5.7933u	-1.6050u
B 249.678	27.5364	27.3574	27.4224
Ba 389.178	0.7837	0.5382	0.9343
Be 313.042	-0.0276u	-0.0295u	-0.0270u
Ca 370.602	21909	21831	21842
Cd 226.502	0.0557	0.1734	0.2115
Co 228.615	-0.1116u	0.3226	-0.0863u
Cr 267.716	0.5864	0.6539	0.6580
Cu 324.754	0.7824	0.7370	0.6553
Fe 271.441	76.3716	75.8894	76.5835
K 766.491	1788.54	1786.43	1803.69
Mg 279.078	927.703	926.103	927.576
Mn 257.610	37.8600	37.9144	37.8793
Mo 202.032	1.3306	1.8231	2.1816
Na 330.237	3305.85	3177.44	3349.02

Label	Replicates Concentration		
Ni 231.604	1.5964	-0.1205u	0.7163
Pb 220.353	-0.1561u	0.6217	0.4084
Sb 206.834	-2.6538u	-2.7199u	-2.0561u
Se 196.026	-1.3507u	5.6800	-0.5656u
Sn 189.925	0.8015	-0.7230u	-5.5279u
Sr 216.596	69.8606	70.4732	70.4434
Ti 334.941	0.7392	0.7355	0.7169
Tl 190.794	-1.9478u	-2.6614u	-1.4479u
V 292.401	0.5589	0.2076	0.1517
Zn 206.200	24.4148	24.4585	24.1809

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	0.0966	ppb	0.1643	170.1	-7.3936
Al 308.215	88.7721	ppb	0.8280	0.9	1111.18
As 188.980	-1.9296	ppb	3.7121	192.4	-6.2122
B 249.678	27.4387	ppb	0.0906	0.3	454.439
Ba 389.178	0.7521	ppb	0.1999	26.6	-43.0097
Be 313.042	-0.0280	ppb	0.0013	4.8	-288.464
Ca 370.602	21861	ppb	42.21	0.2	52739
Cd 226.502	0.1469	ppb	0.0812	55.3	11.4093
Co 228.615	0.0416	ppb	0.2437	586.1	-1.8888
Cr 267.716	0.6328	ppb	0.0402	6.3	63.9253
Cu 324.754	0.7249	ppb	0.0644	8.9	291.141
Fe 271.441	76.2815	ppb	0.3557	0.5	117.015
K 766.491	1792.89	ppb	9.4119	0.5	79790.5
Mg 279.078	927.127	ppb	0.8894	0.1	2303.98
Mn 257.610	37.8846	ppb	0.0276	0.1	8058.31
Mo 202.032	1.7784	ppb	0.4272	24.0	16.6956
Na 330.237	3277.43	ppb	89.2514	2.7	195.044
Ni 231.604	0.7307	ppb	0.8586	117.5	-4.3019
Pb 220.353	0.2913	ppb	0.4019	138.0	1.4767
Sb 206.834	-2.4766	ppb	0.3656	14.8	1.1369
Se 196.026	1.2546	ppb	3.8526	307.1	2.6892
Sn 189.925	-1.8165	ppb	3.3033	181.9	-4.6352
Sr 216.596	70.2591	ppb	0.3454	0.5	777.158
Ti 334.941	0.7305	ppb	0.0119	1.6	161.259
Tl 190.794	-2.0190	ppb	0.6099	30.2	-7.2568
V 292.401	0.3060	ppb	0.2208	72.1	3.0154
Zn 206.200	24.3514	ppb	0.1493	0.6	22.8333

640-49377-a-4-a (Samp) **10/13/2014, 11:29:30 PM** **Rack 3, Tube 11**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Replicates Concentration		
Ag 328.068	0.1657	0.3535	0.0139u
Al 308.215	714.841	714.554	717.677
As 188.980	1.0540	4.8374	0.9883
B 249.678	25.5838	25.4643	25.5004
Ba 389.178	5.5440	5.3335	5.1602
Be 313.042	0.0125	0.0086	0.0151
Ca 370.602	7282	7298	7272
Cd 226.502	0.6851	0.6786	0.7260
Co 228.615	0.4850	1.0963	1.5213
Cr 267.716	0.6065	0.7872	0.5053

Label	Replicates Concentration		
Cu 324.754	773.422	782.960	778.809
Fe 271.441	223.497	224.848	228.184
K 766.491	661.820	665.168	663.603
Mg 279.078	820.845	819.671	822.051
Mn 257.610	36.5413	36.5010	36.5075
Mo 202.032	0.4970	-0.0609u	0.4025
Na 330.237	5177.78	4902.20	5180.48
Ni 231.604	4.9585	5.0755	4.8561
Pb 220.353	-0.0669u	-0.1231u	0.5364
Sb 206.834	1.4993	0.2249	-0.7159u
Se 196.026	3.0144	14.3561	8.5536
Sn 189.925	-2.8610u	-3.0973u	-1.2829u
Sr 216.596	41.9218	41.6833	42.4217
Ti 334.941	0.4883	0.4054	0.4537
Tl 190.794	-4.0489u	2.7983	-0.0445u
V 292.401	2.4152	2.0772	2.1743
Zn 206.200	817.678	806.234	814.440

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	0.1777	ppb	0.1701	95.8	-0.1166
Al 308.215	715.691	ppb	1.7267	0.2	5313.74
As 188.980	2.2932	ppb	2.2036	96.1	-3.7228
B 249.678	25.5162	ppb	0.0613	0.2	424.764
Ba 389.178	5.3459	ppb	0.1922	3.6	51.4357
Be 313.042	0.0121	ppb	0.0033	27.0	-226.933
Ca 370.602	7284	ppb	13.09	0.2	17580
Cd 226.502	0.6966	ppb	0.0257	3.7	32.5735
Co 228.615	1.0342	ppb	0.5209	50.4	8.5777
Cr 267.716	0.6330	ppb	0.1428	22.6	63.9903
Cu 324.754	778.397	ppb	4.7824	0.6	56390.8
Fe 271.441	225.510	ppb	2.4124	1.1	329.544
K 766.491	663.530	ppb	1.6753	0.3	29653.6
Mg 279.078	820.855	ppb	1.1900	0.1	2040.92
Mn 257.610	36.5166	ppb	0.0217	0.1	7768.74
Mo 202.032	0.2795	ppb	0.2986	106.8	7.2068
Na 330.237	5086.82	ppb	159.894	3.1	273.268
Ni 231.604	4.9634	ppb	0.1098	2.2	7.4651
Pb 220.353	0.1155	ppb	0.3656	316.6	1.2068
Sb 206.834	0.3361	ppb	1.1118	330.8	4.9141
Se 196.026	8.6414	ppb	5.6713	65.6	5.6481
Sn 189.925	-2.4137	ppb	0.9864	40.9	-5.0296
Sr 216.596	42.0089	ppb	0.3768	0.9	463.892
Ti 334.941	0.4491	ppb	0.0417	9.3	80.9188
Tl 190.794	-0.4317	ppb	3.4400	796.8	-5.6938
V 292.401	2.2222	ppb	0.1740	7.8	53.1213
Zn 206.200	812.784	ppb	5.8991	0.7	735.653

CRI (Samp) **10/13/2014, 11:33:47 PM** **Rack 3, Tube 12**

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

Label	Replicates Concentration		
Ag 328.068	11.0550	10.7990	10.9524
Al 308.215	202.541	201.323	200.011
As 188.980	25.2306	17.2020	23.8460

Label	Replicates Concentration		
B 249.678	106.693	106.504	107.929
Ba 389.178	10.0207	10.2748	9.9980
Be 313.042	4.2286	4.2302	4.2383
Ca 370.602	517.5	517.3	515.6
Cd 226.502	5.5081	5.3724	5.3917
Co 228.615	11.3317	10.8283	10.7732
Cr 267.716	10.4709	10.4348	10.3774
Cu 324.754	22.1758	21.9851	22.3893
Fe 271.441	56.7333	48.1183	52.1749
K 766.491	1082.26	1083.14	1085.79
Mg 279.078	530.376	529.184	525.568
Mn 257.610	11.2961	11.2347	11.3090
Mo 202.032	10.2613	10.7389	10.4355
Na 330.237	1072.58	934.913	1062.33
Ni 231.604	43.7126	43.0534	43.4799
Pb 220.353	12.2277	10.5724	11.9295
Sb 206.834	17.7421	20.9347	17.2762
Se 196.026	17.6716	26.1852	22.4962
Sn 189.925	57.2781	50.9290	51.6373
Sr 216.596	10.0041	10.3105	10.0205
Ti 334.941	10.4271	10.3936	10.4555
Tl 190.794	26.5135	24.7846	26.2773
V 292.401	10.3102	10.4445	10.5073
Zn 206.200	23.8218	21.0924	21.7602

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	10.9355	ppb	0.1288	1.2	844.636
Al 308.215	201.292	ppb	1.2654	0.6	1866.78
As 188.980	22.0928	ppb	4.2918	19.4	7.9178
B 249.678	107.042	ppb	0.7738	0.7	1671.37
Ba 389.178	10.0978	ppb	0.1537	1.5	148.797
Be 313.042	4.2324	ppb	0.0052	0.1	6700.02
Ca 370.602	516.8	ppb	1.085	0.2	1264
Cd 226.502	5.4240	ppb	0.0734	1.4	208.781
Co 228.615	10.9777	ppb	0.3077	2.8	112.913
Cr 267.716	10.4277	ppb	0.0472	0.5	556.049
Cu 324.754	22.1834	ppb	0.2022	0.9	1839.30
Fe 271.441	52.3422	ppb	4.3100	8.2	84.2258
K 766.491	1083.73	ppb	1.8379	0.2	48308.1
Mg 279.078	528.376	ppb	2.5040	0.5	1318.12
Mn 257.610	11.2799	ppb	0.0397	0.4	2434.36
Mo 202.032	10.4785	ppb	0.2417	2.3	71.7134
Na 330.237	1023.28	ppb	76.6960	7.5	75.7123
Ni 231.604	43.4153	ppb	0.3343	0.8	114.233
Pb 220.353	11.5765	ppb	0.8823	7.6	17.7765
Sb 206.834	18.6510	ppb	1.9914	10.7	29.2656
Se 196.026	22.1177	ppb	4.2694	19.3	11.0383
Sn 189.925	53.2815	ppb	3.4792	6.5	31.7792
Sr 216.596	10.1117	ppb	0.1724	1.7	112.301
Ti 334.941	10.4254	ppb	0.0310	0.3	2919.99
Tl 190.794	25.8585	ppb	0.9374	3.6	20.3508
V 292.401	10.4207	ppb	0.1007	1.0	264.347
Zn 206.200	22.2248	ppb	1.4228	6.4	20.8860

Cont Calib Verif (CCV) **10/13/2014, 11:38:05 PM** **Rack 3, Tube 13**

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

Label	Replicates Concentration		
Ag 328.068	507.821	507.466	507.990
Al 308.215	4874.81	4872.76	4876.37
As 188.980	477.223	478.683	480.412
B 249.678	498.038	499.135	501.336
Ba 389.178	4918.59	4923.18	4924.85
Be 313.042	493.167	492.409	492.794
Ca 370.602	4898	4904	4895
Cd 226.502	500.893	500.313	500.587
Co 228.615	503.554	501.544	501.681
Cr 267.716	4916.72	4913.94	4915.99
Cu 324.754	4988.60	5031.65	5034.04
Fe 271.441	4985.09	4970.21	4959.45
K 766.491	10055.2	10010.7	10051.7
Mg 279.078	4937.28	4943.66	4928.85
Mn 257.610	5027.13	5004.95	5027.87
Mo 202.032	487.985	488.659	487.115
Na 330.237	7557.43	7501.68	7664.05
Ni 231.604	2520.98	2519.91	2513.91
Pb 220.353	496.184	495.788	501.505
Sb 206.834	955.847	960.759	953.752
Se 196.026	4919.98	4890.61	4906.60
Sn 189.925	4979.28	4944.88	4993.49
Sr 216.596	2481.60	2480.74	2478.13
Ti 334.941	488.001	486.861	487.352
Tl 190.794	4989.20	4984.89	4987.65
V 292.401	4913.88	4904.92	4910.83
Zn 206.200	2476.89	2482.68	2473.78

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Ag 328.068	507.759	ppb	0.2674	0.1	39769.4	101.55180
Al 308.215	4874.65	ppb	1.8113	0.0	33710.2	97.49293
As 188.980	478.773	ppb	1.5964	0.3	276.449	95.75459
B 249.678	499.503	ppb	1.6795	0.3	7671.95	99.90063
Ba 389.178	4922.20	ppb	3.2395	0.1	101227	98.44408
Be 313.042	492.790	ppb	0.3793	0.1	809105	98.55799
Ca 370.602	4899	ppb	4.335	0.1	12105	97.98039
Cd 226.502	500.598	ppb	0.2899	0.1	18756.0	100.11954
Co 228.615	502.260	ppb	1.1226	0.2	5276.85	100.45195
Cr 267.716	4915.55	ppb	1.4409	0.0	247128	98.31097
Cu 324.754	5018.09	ppb	25.5732	0.5	362185	100.36186
Fe 271.441	4971.58	ppb	12.8715	0.3	7184.86	99.43166
K 766.491	10039.2	ppb	24.7440	0.2	445879	100.39214
Mg 279.078	4936.60	ppb	7.4290	0.2	12126.2	98.73193
Mn 257.610	5019.98	ppb	13.0198	0.3	1060650	100.39965
Mo 202.032	487.919	ppb	0.7742	0.2	3086.29	97.58388
Na 330.237	7574.39	ppb	82.5059	1.1	366.210	100.99184
Ni 231.604	2518.27	ppb	3.8106	0.2	6987.69	100.73068
Pb 220.353	497.826	ppb	3.1927	0.6	724.094	99.56516
Sb 206.834	956.786	ppb	3.5966	0.4	1325.65	95.67858
Se 196.026	4905.73	ppb	14.7020	0.3	1967.72	98.11460
Sn 189.925	4972.55	ppb	24.9948	0.5	3283.00	99.45095
Sr 216.596	2480.15	ppb	1.8082	0.1	26997.9	99.20615

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Ti 334.941	487.405	ppb	0.5720	0.1	138680	97.48090
Tl 190.794	4987.25	ppb	2.1849	0.0	4941.01	99.74496
V 292.401	4909.88	ppb	4.5565	0.1	127370	98.19752
Zn 206.200	2477.78	ppb	4.5168	0.2	2228.06	99.11137

Cont Calib Blank (CCB) **10/13/2014, 11:42:22 PM** **Rack 3, Tube 14**

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

Label	Replicates Concentration		
Ag 328.068	-0.0278u	0.4169	-0.0774u
Al 308.215	-6.8954u	-5.3509u	-6.8773u
As 188.980	-1.5178u	-0.7946u	0.3939
B 249.678	10.2513	9.4315	7.8841
Ba 389.178	0.4024	0.5587	0.8440
Be 313.042	0.0074	0.0050	0.0047
Ca 370.602	-0.3228u	-0.5210u	0.4550
Cd 226.502	0.2213	0.1499	0.2077
Co 228.615	0.6751	0.5146	0.0799
Cr 267.716	0.2542	0.4173	0.3586
Cu 324.754	0.3211	0.7090	0.4858
Fe 271.441	-0.8798u	0.0809	0.1364
K 766.491	2.5602	3.5891	2.5284
Mg 279.078	5.7598	0.7945	4.4933
Mn 257.610	0.3546	0.4377	0.3896
Mo 202.032	0.1886	0.7595	0.5837
Na 330.237	24.6843	20.1880	25.5826
Ni 231.604	1.3574	1.1839	0.6213
Pb 220.353	2.8428	1.0165	0.2859
Sb 206.834	0.1906	-5.3754u	-2.8642u
Se 196.026	6.6969	0.9988	3.4740
Sn 189.925	-3.1107u	1.0425	-0.2310u
Sr 216.596	0.1952	0.3016	0.3510
Ti 334.941	0.0621	0.0761	0.1014
Tl 190.794	3.5344	1.6171	-1.7468u
V 292.401	0.3342	0.2901	0.2564
Zn 206.200	0.1782	1.2854	2.6771

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Ag 328.068	0.1039	ppb	0.2722	262.0	-4.7078	0.10390
Al 308.215	-6.3745	ppb	0.8865	13.9	473.221	-6.37450
As 188.980	-0.6395	ppb	0.9652	150.9	-5.4534	-0.63949
B 249.678	9.1890	ppb	1.2021	13.1	175.670	9.18897
Ba 389.178	0.6017	ppb	0.2239	37.2	-47.3322	0.60173
Be 313.042	0.0057	ppb	0.0015	25.6	-239.416	0.00574
Ca 370.602	-0.1296	ppb	0.5159	398.0	13.55	-0.12960
Cd 226.502	0.1930	ppb	0.0379	19.6	12.8492	0.19295
Co 228.615	0.4232	ppb	0.3080	72.8	2.1322	0.42318
Cr 267.716	0.3433	ppb	0.0826	24.1	49.1095	0.34335
Cu 324.754	0.5053	ppb	0.1947	38.5	275.215	0.50530
Fe 271.441	-0.2208	ppb	0.5714	258.7	8.1451	-0.22083
K 766.491	2.8926	ppb	0.6034	20.9	325.181	2.89259
Mg 279.078	3.6825	ppb	2.5800	70.1	20.5588	3.68253
Mn 257.610	0.3940	ppb	0.0417	10.6	130.469	0.39397
Mo 202.032	0.5106	ppb	0.2924	57.3	8.6800	0.51060

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Na 330.237	23.4850	ppb	2.8903	12.3	23.2475	23.48498
Ni 231.604	1.0542	ppb	0.3849	36.5	-3.4095	1.05421
Pb 220.353	1.3817	ppb	1.3170	95.3	3.0534	1.38170
Sb 206.834	-2.6830	ppb	2.7874	103.9	0.8777	-2.68301
Se 196.026	3.7232	ppb	2.8572	76.7	3.6697	3.72324
Sn 189.925	-0.7664	ppb	2.1277	277.6	-3.9422	-0.76640
Sr 216.596	0.2826	ppb	0.0796	28.2	6.0084	0.28263
Ti 334.941	0.0799	ppb	0.0199	24.9	-25.2694	0.07987
Tl 190.794	1.1349	ppb	2.6734	235.6	-4.1382	1.13490
V 292.401	0.2936	ppb	0.0390	13.3	2.8928	0.29358
Zn 206.200	1.3802	ppb	1.2521	90.7	2.0686	1.38022

mb 680-353230/1-a (Samp) **10/13/2014, 11:46:39 PM** **Rack 3, Tube 15**

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

Label	Replicates Concentration		
Ag 328.068	-0.0474u	-0.1770u	0.2462
Al 308.215	-4.7509u	-3.5662u	-3.0316u
As 188.980	-4.1620u	-2.0162u	1.4448
B 249.678	5.1091	5.0357	4.5953
Ba 389.178	-0.5434u	0.7924	-0.5495u
Be 313.042	-0.0200u	-0.0169u	-0.0133u
Ca 370.602	5.313	1.639	8.096
Cd 226.502	0.2573	0.1162	0.2059
Co 228.615	0.2266	0.3337	0.1363
Cr 267.716	0.3082	0.4842	0.1655
Cu 324.754	0.3178	0.1934	0.0587
Fe 271.441	2.6311	6.5560	-5.4189u
K 766.491	1.7565	2.1890	2.3885
Mg 279.078	5.6690	5.0746	4.5010
Mn 257.610	0.0936	0.0927	0.1105
Mo 202.032	0.2808	0.5850	-0.2333u
Na 330.237	1.2297	81.2827	10.3918
Ni 231.604	0.6245	1.3868	1.2137
Pb 220.353	1.3634	1.5655	-0.7575u
Sb 206.834	-0.3547u	1.9327	-0.6393u
Se 196.026	-10.5704u	0.6911	-1.5848u
Sn 189.925	-0.6914u	-2.6406u	-4.1706u
Sr 216.596	-0.0451u	-0.1894u	-0.1470u
Ti 334.941	0.0741	0.0355	0.0370
Tl 190.794	0.3767	-1.7006u	-2.1574u
V 292.401	-0.0360u	0.1143	0.2013
Zn 206.200	2.4090	4.0119	3.2014

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	0.0073	ppb	0.2168	2983.7	-12.2639
Al 308.215	-3.7829	ppb	0.8799	23.3	490.560
As 188.980	-1.5778	ppb	2.8290	179.3	-6.0053
B 249.678	4.9134	ppb	0.2779	5.7	110.349
Ba 389.178	-0.1002	ppb	0.7730	771.6	-61.7718
Be 313.042	-0.0167	ppb	0.0034	20.2	-276.270
Ca 370.602	5.016	ppb	3.238	64.6	25.90
Cd 226.502	0.1931	ppb	0.0714	37.0	12.8743
Co 228.615	0.2322	ppb	0.0988	42.6	0.1375

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Cr 267.716	0.3193	ppb	0.1597	50.0	47.9034
Cu 324.754	0.1900	ppb	0.1296	68.2	252.456
Fe 271.441	1.2561	ppb	6.1047	486.0	10.2271
K 766.491	2.1113	ppb	0.3231	15.3	290.498
Mg 279.078	5.0815	ppb	0.5840	11.5	24.0245
Mn 257.610	0.0989	ppb	0.0100	10.1	68.1570
Mo 202.032	0.2108	ppb	0.4136	196.2	6.7841
Na 330.237	30.9681	ppb	43.8139	141.5	23.6274
Ni 231.604	1.0750	ppb	0.3996	37.2	-3.3511
Pb 220.353	0.7238	ppb	1.2868	177.8	2.1025
Sb 206.834	0.3129	ppb	1.4100	450.6	4.8753
Se 196.026	-3.8214	ppb	5.9546	155.8	0.6484
Sn 189.925	-2.5009	ppb	1.7438	69.7	-5.0885
Sr 216.596	-0.1272	ppb	0.0742	58.3	1.5480
Ti 334.941	0.0488	ppb	0.0219	44.8	-34.0962
Tl 190.794	-1.1604	ppb	1.3506	116.4	-6.4109
V 292.401	0.0932	ppb	0.1201	128.8	-2.2556
Zn 206.200	3.2074	ppb	0.8015	25.0	3.7204

lcs 680-353230/2-a (Samp) **10/13/2014, 11:50:57 PM** **Rack 3, Tube 16**

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

Label	Replicates Concentration		
Ag 328.068	100.745	100.565	101.165
Al 308.215	9743.44	9758.86	9785.63
As 188.980	197.161	196.882	196.806
B 249.678	390.134	392.656	395.741
Ba 389.178	189.944	190.763	191.544
Be 313.042	99.4653	99.6171	100.030
Ca 370.602	9392	9413	9435
Cd 226.502	98.0781	98.2579	97.9861
Co 228.615	98.6117	97.9014	97.9778
Cr 267.716	193.876	194.819	195.356
Cu 324.754	201.922	202.305	203.379
Fe 271.441	9623.57	9585.45	9638.31
K 766.491	11719.3	11747.7	11783.2
Mg 279.078	9358.46	9364.74	9396.66
Mn 257.610	999.184	1000.86	1003.71
Mo 202.032	191.016	192.465	193.248
Na 330.237	187085x	187071x	187544x
Ni 231.604	195.638	195.745	194.268
Pb 220.353	955.766	955.338	951.860
Sb 206.834	93.0511	94.4543	94.4010
Se 196.026	196.297	204.115	192.577
Sn 189.925	369.828	381.205	377.844
Sr 216.596	190.050	190.219	191.532
Ti 334.941	193.419	193.807	194.565
Tl 190.794	75.1584	77.1797	73.8706
V 292.401	197.048	198.304	198.425
Zn 206.200	201.530	202.862	200.960

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	100.825b	ppb	0.3082	0.3	7893.00
Al 308.215	9762.64b	ppb	21.3520	0.2	66000.7

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
As 188.980	196.950b	ppb	0.1865	0.1	110.763
B 249.678	392.844b	ppb	2.8083	0.7	6020.18
Ba 389.178	190.750b	ppb	0.7996	0.4	3882.83
Be 313.042	99.7040b	ppb	0.2920	0.3	163436
Ca 370.602	9413b	ppb	21.76	0.2	22716
Cd 226.502	98.1074b	ppb	0.1383	0.1	3713.99
Co 228.615	98.1636b	ppb	0.3899	0.4	1028.24
Cr 267.716	194.684b	ppb	0.7493	0.4	9829.16
Cu 324.754	202.535b	ppb	0.7557	0.4	14858.2
Fe 271.441	9615.78b	ppb	27.2769	0.3	13708.1
K 766.491	11750.1b	ppb	31.9937	0.3	521831
Mg 279.078	9373.29b	ppb	20.4826	0.2	23174.2
Mn 257.610	1001.25b	ppb	2.2898	0.2	211675
Mo 202.032	192.243b	ppb	1.1323	0.6	1220.74
Na 330.237	187233xb	ppb	268.976	0.1	9929.74
Ni 231.604	195.217b	ppb	0.8234	0.4	536.420
Pb 220.353	954.321b	ppb	2.1425	0.2	1380.06
Sb 206.834	93.9688b	ppb	0.7952	0.8	129.039
Se 196.026	197.663b	ppb	5.8888	3.0	81.6089
Sn 189.925	376.292b	ppb	5.8450	1.6	245.315
Sr 216.596	190.600b	ppb	0.8114	0.4	2088.80
Ti 334.941	193.930b	ppb	0.5830	0.3	55149.0
Tl 190.794	75.4029b	ppb	1.6680	2.2	68.6452
V 292.401	197.926b	ppb	0.7623	0.4	5107.06
Zn 206.200	201.784b	ppb	0.9759	0.5	182.382

lb2 680-353110/2-b (Samp) **10/13/2014, 11:55:14 PM** **Rack 3, Tube 17**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Replicates Concentration		
Ag 328.068	-0.1376u	0.1928	-0.0237u
Al 308.215	-2.3126u	-2.4840u	-0.5861u
As 188.980	-0.8304u	2.0231	-0.6267u
B 249.678	9.4195	7.9013	7.0969
Ba 389.178	0.0479	0.5529	0.0537
Be 313.042	-0.0170u	-0.0133u	-0.0221u
Ca 370.602	14.25	14.15	9.678
Cd 226.502	0.4348	0.2863	0.3639
Co 228.615	0.0288	0.0201	0.6899
Cr 267.716	0.3911	0.1059	0.5082
Cu 324.754	0.1535	0.2339	0.2068
Fe 271.441	0.6046	0.9996	2.3797
K 766.491	22.5834	22.2556	22.0257
Mg 279.078	5.4047	4.5350	3.3992
Mn 257.610	0.0411	0.1105	0.1077
Mo 202.032	0.6601	0.5052	0.2793
Na 330.237	164889x	164504x	165799x
Ni 231.604	0.6675	1.9471	0.7681
Pb 220.353	0.1087	-0.1048u	2.8466
Sb 206.834	-1.5353u	-0.0211u	0.9336
Se 196.026	3.3318	-0.8471u	2.0332
Sn 189.925	-0.2250u	0.8742	-3.7650u
Sr 216.596	0.1491	0.3157	0.3212
Ti 334.941	-0.0135u	-0.0505u	-0.0197u

Label	Replicates Concentration		
Tl 190.794	-4.3479u	-0.4476u	-2.8674u
V 292.401	0.1807	0.3633	-0.0246u
Zn 206.200	3.6773	2.0958	2.7508

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	0.0105b	ppb	0.1678	1600.5	-12.0180
Al 308.215	-1.7942b	ppb	1.0498	58.5	503.894
As 188.980	0.1886b	ppb	1.5919	843.9	-4.9662
B 249.678	8.1392b	ppb	1.1794	14.5	159.646
Ba 389.178	0.2182b	ppb	0.2899	132.9	-55.2237
Be 313.042	-0.0175b	ppb	0.0044	25.3	-294.009
Ca 370.602	12.69b	ppb	2.610	20.6	44.41
Cd 226.502	0.3617b	ppb	0.0743	20.5	18.2475
Co 228.615	0.2463b	ppb	0.3842	156.0	0.2748
Cr 267.716	0.3351b	ppb	0.2069	61.7	51.7434
Cu 324.754	0.1981b	ppb	0.0409	20.6	253.052
Fe 271.441	1.3280b	ppb	0.9320	70.2	10.3382
K 766.491	22.2882b	ppb	0.2802	1.3	1186.23
Mg 279.078	4.4463b	ppb	1.0057	22.6	22.4526
Mn 257.610	0.0864b	ppb	0.0393	45.5	64.6830
Mo 202.032	0.4815b	ppb	0.1915	39.8	8.4962
Na 330.237	165064xb	ppb	665.459	0.4	8763.10
Ni 231.604	1.1275b	ppb	0.7115	63.1	-3.2056
Pb 220.353	0.9502b	ppb	1.6458	173.2	2.4297
Sb 206.834	-0.2076b	ppb	1.2450	599.8	4.1785
Se 196.026	1.5060b	ppb	2.1388	142.0	2.7817
Sn 189.925	-1.0386b	ppb	2.4243	233.4	-4.0759
Sr 216.596	0.2620b	ppb	0.0978	37.3	5.7777
Ti 334.941	-0.0279b	ppb	0.0198	70.9	-68.8980
Tl 190.794	-2.5543b	ppb	1.9689	77.1	-7.7910
V 292.401	0.1731b	ppb	0.1941	112.1	-1.4531
Zn 206.200	2.8413b	ppb	0.7947	28.0	3.3893

680-105574-a-32-f (Samp) **10/13/2014, 11:59:31 PM** **Rack 3, Tube 18**

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

Label	Replicates Concentration		
Ag 328.068	-0.0857u	-0.0894u	-0.1781u
Al 308.215	0.5703	0.2843	3.2853
As 188.980	2.8777	-0.0212u	-2.6950u
B 249.678	14.3519	14.0411	13.8936
Ba 389.178	77.7179	76.9491	76.7104
Be 313.042	-0.0377u	-0.0429u	-0.0319u
Ca 370.602	76797	76660	76809
Cd 226.502	4.4093	4.5230	4.6041
Co 228.615	0.0619	0.0254	-0.1843u
Cr 267.716	0.4931	0.5649	0.7080
Cu 324.754	2.4947	2.6788	2.2041
Fe 271.441	11.6726	12.7034	14.2446
K 766.491	492.401	491.452	492.966
Mg 279.078	1220.37	1218.81	1219.21
Mn 257.610	37.9107	37.8278	38.1844
Mo 202.032	-0.1156u	0.5414	-0.4791u
Na 330.237	181305x	181033x	180547x

Label	Replicates Concentration		
Ni 231.604	1.8002	2.9637	1.6104
Pb 220.353	20.8041	20.5756	21.6532
Sb 206.834	-0.2090u	-0.5348u	2.0282
Se 196.026	-1.1774u	-3.1208u	7.0470
Sn 189.925	0.9877	-1.8965u	0.0869
Sr 216.596	123.001	122.733	122.870
Ti 334.941	0.1671	0.1934	0.1601
Tl 190.794	-2.5631u	-1.0501u	-4.6508u
V 292.401	0.0276u	0.2719	0.0556
Zn 206.200	114.920	114.320	113.268

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.1177b	ppb	0.0523	44.4	-26.0219
Al 308.215	1.3800b	ppb	1.6562	120.0	525.165
As 188.980	0.0539b	ppb	2.7871	5174.4	-5.0454
B 249.678	14.0955b	ppb	0.2339	1.7	250.678
Ba 389.178	77.1258b	ppb	0.5265	0.7	1528.58
Be 313.042	-0.0375b	ppb	0.0055	14.7	-304.109
Ca 370.602	76755b	ppb	83.14	0.1	185136
Cd 226.502	4.5121b	ppb	0.0979	2.2	173.492
Co 228.615	-0.0323b	ppb	0.1329	410.8	-2.6367
Cr 267.716	0.5887b	ppb	0.1094	18.6	64.9276
Cu 324.754	2.4592b	ppb	0.2394	9.7	416.150
Fe 271.441	12.8735b	ppb	1.2944	10.1	26.7506
K 766.491	492.273b	ppb	0.7650	0.2	22050.8
Mg 279.078	1219.46b	ppb	0.8082	0.1	3027.10
Mn 257.610	37.9743b	ppb	0.1866	0.5	8079.07
Mo 202.032	-0.0178b	ppb	0.5172	2909.3	5.3379
Na 330.237	180962xb	ppb	383.831	0.2	9602.48
Ni 231.604	2.1248b	ppb	0.7327	34.5	-0.4346
Pb 220.353	21.0110b	ppb	0.5678	2.7	31.4408
Sb 206.834	0.4281b	ppb	1.3952	325.9	5.0356
Se 196.026	0.9163b	ppb	5.3976	589.1	2.5532
Sn 189.925	-0.2740b	ppb	1.4756	538.6	-3.5659
Sr 216.596	122.868b	ppb	0.1340	0.1	1370.25
Ti 334.941	0.1735b	ppb	0.0175	10.1	-10.7659
Tl 190.794	-2.7547b	ppb	1.8080	65.6	-7.9719
V 292.401	0.1184b	ppb	0.1337	113.0	-2.9256
Zn 206.200	114.170b	ppb	0.8362	0.7	104.041

680-105574-a-32-fSD (Samp) **10/14/2014, 12:03:48 AM** **Rack 3, Tube 19**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Replicates Concentration		
Ag 328.068	-0.0795u	0.0335	0.1663
Al 308.215	-5.6658u	-4.5289u	-7.3314u
As 188.980	-0.8653u	-4.0162u	0.3472
B 249.678	5.0697	4.4536	4.3738
Ba 389.178	15.9987	16.2002	15.3984
Be 313.042	-0.0285u	-0.0247u	-0.0350u
Ca 370.602	16183	15882	15531
Cd 226.502	1.1565	1.0756	1.0848
Co 228.615	0.0599	0.4754	0.3834
Cr 267.716	0.1116	0.2005	0.2225

Label	Replicates Concentration		
Cu 324.754	0.6135	0.5942	0.3333
Fe 271.441	7.6396	0.7747	-4.7355u
K 766.491	89.8391	88.2096	86.6717
Mg 279.078	269.305	263.790	256.789
Mn 257.610	8.3086	8.1297	7.9615
Mo 202.032	0.1839	-0.0356u	-0.0692u
Na 330.237	35739.3	35119.3	34312.7
Ni 231.604	0.4581	1.9726	1.2172
Pb 220.353	4.6676	4.7913	2.1367
Sb 206.834	-2.7631u	2.8019	-1.4156u
Se 196.026	-5.2522u	-2.4282u	5.1128
Sn 189.925	-5.2034u	-0.1045u	1.4792
Sr 216.596	26.5418	26.0581	25.4247
Ti 334.941	-0.0249u	0.0539	0.0794
Tl 190.794	-3.3664u	-1.8442u	-1.8274u
V 292.401	-0.0765u	-0.1897u	-0.2995u
Zn 206.200	25.5768	25.4184	25.3941

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	0.0401	ppb	0.1230	307.2	-10.5362
Al 308.215	-5.8420	ppb	1.4096	24.1	476.709
As 188.980	-1.5115	ppb	2.2523	149.0	-5.9662
B 249.678	4.6324	ppb	0.3808	8.2	106.048
Ba 389.178	15.8658	ppb	0.4171	2.6	267.029
Be 313.042	-0.0294	ppb	0.0052	17.6	-295.509
Ca 370.602	15865	ppb	326.5	2.1	38278
Cd 226.502	1.1056	ppb	0.0443	4.0	46.8092
Co 228.615	0.3062	ppb	0.2182	71.3	0.9164
Cr 267.716	0.1782	ppb	0.0587	33.0	41.4855
Cu 324.754	0.5136	ppb	0.1565	30.5	275.803
Fe 271.441	1.2263	ppb	6.1999	505.6	10.1962
K 766.491	88.2401	ppb	1.5839	1.8	4114.11
Mg 279.078	263.295	ppb	6.2729	2.4	662.569
Mn 257.610	8.1333	ppb	0.1736	2.1	1767.48
Mo 202.032	0.0264	ppb	0.1374	521.0	5.6179
Na 330.237	35057.1	ppb	715.308	2.0	1877.96
Ni 231.604	1.2160	ppb	0.7573	62.3	-2.9601
Pb 220.353	3.8652	ppb	1.4982	38.8	6.6461
Sb 206.834	-0.4589	ppb	2.9032	632.6	3.8485
Se 196.026	-0.8559	ppb	5.3584	626.1	1.8376
Sn 189.925	-1.2762	ppb	3.4920	273.6	-4.2693
Sr 216.596	26.0082	ppb	0.5602	2.2	292.250
Ti 334.941	0.0361	ppb	0.0543	150.3	-40.0200
Tl 190.794	-2.3460	ppb	0.8837	37.7	-7.5800
V 292.401	-0.1886	ppb	0.1115	59.1	-9.8115
Zn 206.200	25.4631	ppb	0.0992	0.4	23.8423

680-105574-a-32-fPDS (Samp) **10/14/2014, 12:08:06 AM** **Rack 3, Tube 20**

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

Label	Replicates Concentration		
Ag 328.068	98.1701	98.6204	98.3143
Al 308.215	1011.29	1013.44	1013.51
As 188.980	101.589	101.635	97.9417

Label	Replicates Concentration		
B 249.678	207.939	208.906	209.178
Ba 389.178	158.444	157.205	158.937
Be 313.042	98.7415	98.5149	98.6969
Ca 370.602	86140	86140	86079
Cd 226.502	103.322	102.360	103.244
Co 228.615	98.6757	98.5010	98.7576
Cr 267.716	99.2522	98.8096	98.8152
Cu 324.754	107.029	106.855	106.923
Fe 271.441	9824.15	9796.82	9810.08
K 766.491	12845.3	12824.4	12884.4
Mg 279.078	10907.1	10890.2	10893.3
Mn 257.610	1061.23	1058.39	1059.55
Mo 202.032	99.0679	98.1165	99.1289
Na 330.237	191905x	191841x	191544x
Ni 231.604	99.8813	101.182	99.3336
Pb 220.353	118.720	117.832	118.973
Sb 206.834	98.5549	94.4761	98.3397
Se 196.026	103.102	102.706	102.998
Sn 189.925	93.5229	100.479	96.3191
Sr 216.596	221.632	220.857	221.441
Ti 334.941	99.3082	99.0643	99.0929
Tl 190.794	17.2314	19.1406	15.4937
V 292.401	100.834	100.585	100.716
Zn 206.200	214.698	216.914	217.166

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	98.3683b	ppb	0.2300	0.2	7699.06
Al 308.215	1012.74b	ppb	1.2641	0.1	7335.84
As 188.980	100.389b	ppb	2.1193	2.1	53.9032
B 249.678	208.674b	ppb	0.6510	0.3	3205.10
Ba 389.178	158.196b	ppb	0.8922	0.6	3214.52
Be 313.042	98.6511b	ppb	0.1201	0.1	161739
Ca 370.602	86119b	ppb	35.03	0.0	207681
Cd 226.502	102.975b	ppb	0.5340	0.5	3896.88
Co 228.615	98.6448b	ppb	0.1311	0.1	1033.80
Cr 267.716	98.9590b	ppb	0.2539	0.3	5017.78
Cu 324.754	106.936b	ppb	0.0876	0.1	7959.55
Fe 271.441	9810.35b	ppb	13.6676	0.1	13984.1
K 766.491	12851.4b	ppb	30.4252	0.2	570723
Mg 279.078	10896.9b	ppb	8.9597	0.1	26944.8
Mn 257.610	1059.72b	ppb	1.4308	0.1	224040
Mo 202.032	98.7711b	ppb	0.5677	0.6	629.636
Na 330.237	191764xb	ppb	192.629	0.1	10169.5
Ni 231.604	100.132b	ppb	0.9492	0.9	272.322
Pb 220.353	118.509b	ppb	0.5992	0.5	171.856
Sb 206.834	97.1235b	ppb	2.2953	2.4	133.710
Se 196.026	102.935b	ppb	0.2050	0.2	43.6884
Sn 189.925	96.7737b	ppb	3.5003	3.6	60.5775
Sr 216.596	221.310b	ppb	0.4038	0.2	2454.39
Ti 334.941	99.1552b	ppb	0.1333	0.1	28177.2
Tl 190.794	17.2886b	ppb	1.8241	10.6	11.2657
V 292.401	100.711b	ppb	0.1245	0.1	2597.36
Zn 206.200	216.259b	ppb	1.3577	0.6	195.710

680-105574-a-32-g ms (Samp) **10/14/2014, 12:12:23 AM** **Rack 3, Tube 21**

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

Label	Replicates Concentration		
Ag 328.068	151.160	150.746	151.474
Al 308.215	1463.42	1462.75	1466.59
As 188.980	147.186	146.096	146.998
B 249.678	300.139	301.830	302.241
Ba 389.178	180.408	180.065	179.669
Be 313.042	145.945	146.369	146.557
Ca 370.602	73052	73285	73067
Cd 226.502	147.505	147.973	148.292
Co 228.615	145.008	146.522	146.143
Cr 267.716	144.653	145.216	145.613
Cu 324.754	155.700	155.765	156.260
Fe 271.441	14390.4	14471.7	14474.8
K 766.491	17203.4	17211.6	17296.1
Mg 279.078	15129.6	15146.2	15178.3
Mn 257.610	1534.99	1537.58	1540.56
Mo 202.032	144.338	143.857	144.869
Na 330.237	152446x	152534x	152947x
Ni 231.604	147.987	146.849	145.601
Pb 220.353	156.295	161.723	156.877
Sb 206.834	143.110	142.169	142.145
Se 196.026	154.408	148.231	151.299
Sn 189.925	134.747	144.222	137.181
Sr 216.596	237.585	238.077	239.702
Ti 334.941	145.376	145.939	146.095
Tl 190.794	26.6047	24.9756	23.6172
V 292.401	147.926	148.252	148.558
Zn 206.200	231.042	230.310	231.915

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	151.126b	ppb	0.3652	0.2	11838.3
Al 308.215	1464.25b	ppb	2.0499	0.1	10377.1
As 188.980	146.760b	ppb	0.5826	0.4	81.1463
B 249.678	301.403b	ppb	1.1140	0.4	4613.11
Ba 389.178	180.047b	ppb	0.3700	0.2	3672.22
Be 313.042	146.290b	ppb	0.3137	0.2	239960
Ca 370.602	73134b	ppb	130.2	0.2	176345
Cd 226.502	147.923b	ppb	0.3954	0.3	5597.49
Co 228.615	145.891b	ppb	0.7883	0.5	1530.07
Cr 267.716	145.161b	ppb	0.4825	0.3	7343.19
Cu 324.754	155.908b	ppb	0.3065	0.2	11495.4
Fe 271.441	14445.6b	ppb	47.8587	0.3	20587.5
K 766.491	17237.0b	ppb	51.3288	0.3	765420
Mg 279.078	15151.4b	ppb	24.7867	0.2	37459.2
Mn 257.610	1537.71b	ppb	2.7873	0.2	325069
Mo 202.032	144.355b	ppb	0.5063	0.4	917.697
Na 330.237	152643xb	ppb	267.191	0.2	8096.18
Ni 231.604	146.813b	ppb	1.1934	0.8	402.231
Pb 220.353	158.298b	ppb	2.9801	1.9	229.126
Sb 206.834	142.475b	ppb	0.5501	0.4	194.074
Se 196.026	151.312b	ppb	3.0889	2.0	63.1934
Sn 189.925	138.716b	ppb	4.9206	3.5	88.2870
Sr 216.596	238.455b	ppb	1.1077	0.5	2640.24

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ti 334.941	145.803b	ppb	0.3781	0.3	41464.6
Tl 190.794	25.0658b	ppb	1.4958	6.0	18.6827
V 292.401	148.245b	ppb	0.3160	0.2	3826.60
Zn 206.200	231.089b	ppb	0.8039	0.3	208.820

680-105574-a-32-h ms (Samp) **10/14/2014, 12:16:40 AM** **Rack 3, Tube 22**

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

Label	Replicates Concentration		
Ag 328.068	155.131	155.494	155.774
Al 308.215	1507.34	1509.65	1505.63
As 188.980	153.068	154.048	147.376
B 249.678	311.799	312.161	312.371
Ba 389.178	185.915	186.079	185.856
Be 313.042	150.168	150.388	150.090
Ca 370.602	75805	76139	75907
Cd 226.502	152.786	152.727	152.198
Co 228.615	149.221	150.122	149.367
Cr 267.716	148.801	148.983	148.662
Cu 324.754	159.957	160.217	160.194
Fe 271.441	14840.3	14847.6	14832.6
K 766.491	17751.6	17754.5	17768.0
Mg 279.078	15595.9	15587.1	15564.5
Mn 257.610	1578.88	1582.46	1579.16
Mo 202.032	149.833	149.512	148.758
Na 330.237	159211x	159211x	159372x
Ni 231.604	150.602	152.938	151.027
Pb 220.353	162.446	163.340	164.638
Sb 206.834	148.281	143.240	147.625
Se 196.026	149.101	148.646	153.829
Sn 189.925	144.723	144.444	146.850
Sr 216.596	246.285	246.886	246.975
Ti 334.941	149.660	149.651	149.354
Tl 190.794	27.4287	25.7990	25.1594
V 292.401	152.369	152.706	152.514
Zn 206.200	240.903	240.890	243.295

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	155.466b	ppb	0.3221	0.2	12178.5
Al 308.215	1507.54b	ppb	2.0215	0.1	10668.6
As 188.980	151.497b	ppb	3.6027	2.4	83.9300
B 249.678	312.110b	ppb	0.2892	0.1	4775.97
Ba 389.178	185.950b	ppb	0.1156	0.1	3794.46
Be 313.042	150.216b	ppb	0.1547	0.1	246405
Ca 370.602	75950b	ppb	171.4	0.2	183135
Cd 226.502	152.571b	ppb	0.3236	0.2	5772.89
Co 228.615	149.570b	ppb	0.4836	0.3	1568.68
Cr 267.716	148.815b	ppb	0.1609	0.1	7527.33
Cu 324.754	160.122b	ppb	0.1441	0.1	11799.7
Fe 271.441	14840.2b	ppb	7.4847	0.1	21149.5
K 766.491	17758.0b	ppb	8.7871	0.0	788550
Mg 279.078	15582.5b	ppb	16.1960	0.1	38524.9
Mn 257.610	1580.17b	ppb	1.9882	0.1	334042
Mo 202.032	149.368b	ppb	0.5516	0.4	949.382

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Na 330.237	159265xb	ppb	93.1431	0.1	8446.50
Ni 231.604	151.523b	ppb	1.2443	0.8	415.336
Pb 220.353	163.475b	ppb	1.1024	0.7	236.587
Sb 206.834	146.382b	ppb	2.7405	1.9	199.256
Se 196.026	150.525b	ppb	2.8700	1.9	62.8898
Sn 189.925	145.339b	ppb	1.3163	0.9	92.6660
Sr 216.596	246.715b	ppb	0.3752	0.2	2731.64
Ti 334.941	149.555b	ppb	0.1739	0.1	42532.6
Tl 190.794	26.1290b	ppb	1.1701	4.5	19.7084
V 292.401	152.530b	ppb	0.1688	0.1	3937.21
Zn 206.200	241.696b	ppb	1.3848	0.6	218.386

680-106162-a-1-c (Samp) **10/14/2014, 12:20:57 AM** **Rack 3, Tube 23**

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

Label	Replicates Concentration		
Ag 328.068	-0.1084u	-0.2543u	0.0070u
Al 308.215	20159.2	20175.7	20031.8
As 188.980	-2.9935u	-1.0834u	-1.4830u
B 249.678	34.0908	33.6136	32.4220
Ba 389.178	116.165	116.226	115.843
Be 313.042	-0.0153u	-0.0136u	-0.0095u
Ca 370.602	8816	8829	8734
Cd 226.502	0.3142	0.4372	0.3329
Co 228.615	0.1759	0.3544	0.1071
Cr 267.716	498.801	499.110	494.530
Cu 324.754	0.4892	0.4323	0.5155
Fe 271.441	20.2285	10.4840	8.0363
K 766.491	124292x	124594x	123877x
Mg 279.078	24.8686	20.8214	22.7372
Mn 257.610	0.4955	0.4906	0.4491
Mo 202.032	36.5698	37.2921	35.8736
Na 330.237	229571x	227846x	226312x
Ni 231.604	0.8996	-0.0101u	1.4720
Pb 220.353	-1.2007u	-2.3065u	-2.4841u
Sb 206.834	-2.2935	1.9251	-2.8281
Se 196.026	-1.9051u	4.1941	11.0636
Sn 189.925	-4.8698u	-1.2920u	0.5550
Sr 216.596	174.650	174.925	172.208
Ti 334.941	0.0765	0.0189u	0.0729
Tl 190.794	-1.2529u	0.8400	-0.9885u
V 292.401	0.5990u	0.4972u	0.4849u
Zn 206.200	5.8334	4.9924	6.7694

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.1186b	ppb	0.1310	110.5	-27.5830
Al 308.215	20122.2b	ppb	78.7067	0.4	135396
As 188.980	-1.8533b	ppb	1.0074	54.4	-5.9888
B 249.678	33.3755b	ppb	0.8595	2.6	545.678
Ba 389.178	116.078b	ppb	0.2056	0.2	2328.58
Be 313.042	-0.0128b	ppb	0.0030	23.3	-298.499
Ca 370.602	8793b	ppb	51.25	0.6	21221
Cd 226.502	0.3614b	ppb	0.0663	18.3	17.9358
Co 228.615	0.2125b	ppb	0.1276	60.1	0.1322

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Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Cr 267.716	497.480b	ppb	2.5598	0.5	25046.6
Cu 324.754	0.4790b	ppb	0.0425	8.9	274.779
Fe 271.441	12.9163b	ppb	6.4498	49.9	27.6780
K 766.491	124254xb	ppb	359.789	0.3	5516370
Mg 279.078	22.8091b	ppb	2.0246	8.9	60.8544
Mn 257.610	0.4784b	ppb	0.0255	5.3	147.434
Mo 202.032	36.5785b	ppb	0.7093	1.9	236.805
Na 330.237	227910xb	ppb	1630.47	0.7	12091.1
Ni 231.604	0.7872b	ppb	0.7474	95.0	-4.1415
Pb 220.353	-1.9971b	ppb	0.6954	34.8	-1.7621
Sb 206.834	-1.0655b	ppb	2.6037	244.4	7.7594
Se 196.026	4.4509b	ppb	6.4881	145.8	3.9612
Sn 189.925	-1.8689b	ppb	2.7581	147.6	-4.6069
Sr 216.596	173.927b	ppb	1.4956	0.9	1902.99
Ti 334.941	0.0561b	ppb	0.0323	57.6	-48.9418
Tl 190.794	-0.4671b	ppb	1.1397	244.0	-5.8405
V 292.401	0.5270b	ppb	0.0627	11.9	-19.9806
Zn 206.200	5.8651b	ppb	0.8889	15.2	4.8304

680-106162-a-2-c (Samp) **10/14/2014, 12:25:15 AM** **Rack 3, Tube 24**

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

Label	Replicates Concentration		
Ag 328.068	0.3182	0.1922	-0.0195u
Al 308.215	19282.3	19350.7	19385.1
As 188.980	-1.0472u	-0.7674u	-3.5378u
B 249.678	19.6581	19.9199	19.1645
Ba 389.178	108.894	108.735	110.088
Be 313.042	-0.0179u	-0.0228u	-0.0130u
Ca 370.602	6666	6729	6742
Cd 226.502	0.2945	0.2119	0.2121
Co 228.615	0.2435	0.6892	0.3535
Cr 267.716	639.935	643.079	643.924
Cu 324.754	0.1022	0.3536	0.4299
Fe 271.441	6.0404	1.5649	4.5443
K 766.491	126196x	126602x	126515x
Mg 279.078	13.7039	12.2521	11.2184
Mn 257.610	0.2798	0.2759	0.2461
Mo 202.032	28.6743	29.8022	29.3364
Na 330.237	238894x	239082x	239104x
Ni 231.604	1.3897	1.1159	1.0131
Pb 220.353	-3.5751u	-1.6149u	-2.9820u
Sb 206.834	-1.6707	-2.8492	-2.2259
Se 196.026	0.8815	11.2364	16.8926
Sn 189.925	-2.4821u	-0.6387u	-4.7556u
Sr 216.596	157.600	159.497	158.931
Ti 334.941	0.0269u	0.0324u	0.0529u
Tl 190.794	-2.4547u	-3.5621u	-1.9652u
V 292.401	0.7475u	0.6257u	0.5593u
Zn 206.200	4.9701	3.6612	2.9878

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	0.1637b	ppb	0.1706	104.3	-4.9531
Al 308.215	19339.4b	ppb	52.3291	0.3	130148

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
As 188.980	-1.7841b	ppb	1.5252	85.5	-5.9533
B 249.678	19.5808b	ppb	0.3836	2.0	334.871
Ba 389.178	109.239b	ppb	0.7392	0.7	2187.83
Be 313.042	-0.0179b	ppb	0.0049	27.2	-307.855
Ca 370.602	6712b	ppb	41.06	0.6	16203
Cd 226.502	0.2395b	ppb	0.0476	19.9	13.2841
Co 228.615	0.4287b	ppb	0.2322	54.2	2.8992
Cr 267.716	642.313b	ppb	2.1020	0.3	32328.1
Cu 324.754	0.2952b	ppb	0.1715	58.1	261.226
Fe 271.441	4.0499b	ppb	2.2783	56.3	15.3249
K 766.491	126438xb	ppb	213.440	0.2	5613288
Mg 279.078	12.3915b	ppb	1.2486	10.1	35.3567
Mn 257.610	0.2673b	ppb	0.0184	6.9	102.655
Mo 202.032	29.2710b	ppb	0.5668	1.9	190.586
Na 330.237	239026xb	ppb	115.486	0.0	12679.9
Ni 231.604	1.1729b	ppb	0.1947	16.6	-3.0714
Pb 220.353	-2.7240b	ppb	1.0052	36.9	-2.6832
Sb 206.834	-2.2486b	ppb	0.5896	26.2	7.8704
Se 196.026	9.6701b	ppb	8.1196	84.0	6.0511
Sn 189.925	-2.6255b	ppb	2.0622	78.5	-5.1038
Sr 216.596	158.676b	ppb	0.9739	0.6	1735.94
Ti 334.941	0.0374b	ppb	0.0137	36.7	-55.1800
Tl 190.794	-2.6607b	ppb	0.8181	30.7	-7.9876
V 292.401	0.6442b	ppb	0.0954	14.8	-22.0935
Zn 206.200	3.8730b	ppb	1.0080	26.0	2.6499

Cont Calib Verif (CCV) **10/14/2014, 12:29:32 AM** **Rack 3, Tube 25**

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

Label	Replicates Concentration		
Ag 328.068	503.181	499.199	499.766
Al 308.215	4846.62	4832.77	4813.23
As 188.980	474.045	475.932	466.511
B 249.678	493.352	493.862	495.350
Ba 389.178	4886.58	4876.01	4854.24
Be 313.042	493.021	490.345	488.614
Ca 370.602	4862	4861	4818
Cd 226.502	497.936	497.711	494.462
Co 228.615	499.256	498.797	495.682
Cr 267.716	4887.33	4879.69	4848.44
Cu 324.754	4945.05	5016.60	4995.84
Fe 271.441	4968.45	4960.28	4929.70
K 766.491	9996.74	10008.0	9995.53
Mg 279.078	4913.70	4900.84	4871.33
Mn 257.610	4984.96	4968.59	4933.64
Mo 202.032	483.171	484.897	479.621
Na 330.237	7743.35	7620.28	7580.49
Ni 231.604	2509.15	2499.47	2488.97
Pb 220.353	497.545	496.163	494.072
Sb 206.834	947.974	951.456	943.726
Se 196.026	4880.70	4874.24	4850.90
Sn 189.925	4934.77	4930.75	4857.03
Sr 216.596	2470.52	2464.62	2442.95
Ti 334.941	483.938	483.147	480.565

Label	Replicates Concentration		
Tl 190.794	4949.68	4947.98	4911.90
V 292.401	4883.02	4878.19	4848.47
Zn 206.200	2488.11	2468.13	2444.65

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Ag 328.068	500.715	ppb	2.1537	0.4	39217.1	100.14306
Al 308.215	4830.87	ppb	16.7744	0.3	33412.6	96.61748
As 188.980	472.163	ppb	4.9843	1.1	272.561	94.43255
B 249.678	494.188	ppb	1.0383	0.2	7590.63	98.83756
Ba 389.178	4872.28	ppb	16.4871	0.3	100200	97.44553
Be 313.042	490.660	ppb	2.2202	0.5	805606	98.13202
Ca 370.602	4847	ppb	25.34	0.5	11976	96.93548
Cd 226.502	496.703	ppb	1.9440	0.4	18610.1	99.34052
Co 228.615	497.912	ppb	1.9445	0.4	5231.16	99.58234
Cr 267.716	4871.82	ppb	20.6076	0.4	244929	97.43641
Cu 324.754	4985.83	ppb	36.8101	0.7	359858	99.71664
Fe 271.441	4952.81	ppb	20.4250	0.4	7157.26	99.05625
K 766.491	10000.1	ppb	6.8663	0.1	444142	100.00087
Mg 279.078	4895.29	ppb	21.7225	0.4	12025.0	97.90582
Mn 257.610	4962.40	ppb	26.2131	0.5	1048484	99.24794
Mo 202.032	482.563	ppb	2.6900	0.6	3052.45	96.51264
Na 330.237	7648.04	ppb	84.9055	1.1	370.314	101.97388
Ni 231.604	2499.20	ppb	10.0929	0.4	6934.73	99.96786
Pb 220.353	495.927	ppb	1.7484	0.4	721.324	99.18534
Sb 206.834	947.719	ppb	3.8711	0.4	1313.27	94.77185
Se 196.026	4868.61	ppb	15.6727	0.3	1952.84	97.37227
Sn 189.925	4907.52	ppb	43.7683	0.9	3240.02	98.15032
Sr 216.596	2459.36	ppb	14.5151	0.6	26771.6	98.37454
Ti 334.941	482.550	ppb	1.7643	0.4	137298	96.50996
Tl 190.794	4936.52	ppb	21.3404	0.4	4890.70	98.73036
V 292.401	4869.89	ppb	18.7123	0.4	126333	97.39787
Zn 206.200	2466.96	ppb	21.7551	0.9	2218.36	98.67851

Cont Calib Blank (CCB) **10/14/2014, 12:33:50 AM** **Rack 3, Tube 26**

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

Label	Replicates Concentration		
Ag 328.068	0.0549	0.1638	-0.1129u
Al 308.215	-6.7593u	-4.6330u	-8.1470u
As 188.980	0.0907	-1.3266u	1.3446
B 249.678	9.8225	8.9427	7.4198
Ba 389.178	0.1399	0.3326	0.0726
Be 313.042	0.0060	0.0033	0.0056
Ca 370.602	1.140	0.8651	0.3960
Cd 226.502	0.1663	0.3546	0.2277
Co 228.615	0.2065	0.0193	0.3264
Cr 267.716	0.3521	0.5013	0.2467
Cu 324.754	0.4420	0.6997	0.6290
Fe 271.441	1.1732	-3.6034u	-4.5417u
K 766.491	5.1639	5.1466	4.9561
Mg 279.078	4.5248	4.9885	2.1907
Mn 257.610	0.3549	0.3655	0.3697
Mo 202.032	0.4485	0.9748	0.3058
Na 330.237	46.8623	50.4036	-49.1226u

Label	Replicates Concentration		
Ni 231.604	1.6546	1.4562	0.8871
Pb 220.353	2.2617	2.3194	1.0572
Sb 206.834	1.8655	-0.9455u	-2.8224u
Se 196.026	3.7083	3.8304	9.7888
Sn 189.925	1.4910	0.7723	0.1092
Sr 216.596	0.2983	-0.0431u	0.2182
Ti 334.941	0.0326	0.0639	0.0373
Tl 190.794	2.5929	3.5734	1.3885
V 292.401	0.1394	0.1891	0.3341
Zn 206.200	0.5317	0.6718	-0.1945u

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Ag 328.068	0.0352	ppb	0.1394	395.5	-10.0768	0.03524
Al 308.215	-6.5131	ppb	1.7699	27.2	472.286	-6.51308
As 188.980	0.0362	ppb	1.3364	3690.1	-5.0560	0.03622
B 249.678	8.7283	ppb	1.2156	13.9	168.637	8.72834
Ba 389.178	0.1817	ppb	0.1349	74.3	-55.9738	0.18171
Be 313.042	0.0050	ppb	0.0015	30.0	-240.655	0.00498
Ca 370.602	0.8002	ppb	0.3760	47.0	15.76	0.80024
Cd 226.502	0.2496	ppb	0.0960	38.5	14.9748	0.24955
Co 228.615	0.1841	ppb	0.1548	84.1	-0.3797	0.18407
Cr 267.716	0.3667	ppb	0.1279	34.9	50.2837	0.36669
Cu 324.754	0.5903	ppb	0.1331	22.6	281.344	0.59025
Fe 271.441	-2.3239	ppb	3.0648	131.9	5.1489	-2.32394
K 766.491	5.0889	ppb	0.1153	2.3	422.685	5.08890
Mg 279.078	3.9013	ppb	1.4995	38.4	21.1008	3.90135
Mn 257.610	0.3634	ppb	0.0076	2.1	124.004	0.36337
Mo 202.032	0.5764	ppb	0.3524	61.1	9.0960	0.57637
Na 330.237	16.0478	ppb	56.4670	351.9	22.8853	16.04781
Ni 231.604	1.3326	ppb	0.3984	29.9	-2.6360	1.33261
Pb 220.353	1.8794	ppb	0.7127	37.9	3.7730	1.87943
Sb 206.834	-0.6341	ppb	2.3594	372.1	3.6092	-0.63412
Se 196.026	5.7758	ppb	3.4759	60.2	4.4917	5.77584
Sn 189.925	0.7908	ppb	0.6911	87.4	-2.9130	0.79084
Sr 216.596	0.1578	ppb	0.1786	113.2	4.6384	0.15779
Ti 334.941	0.0446	ppb	0.0169	37.8	-35.2970	0.04463
Tl 190.794	2.5183	ppb	1.0944	43.5	-2.7690	2.51825
V 292.401	0.2209	ppb	0.1011	45.8	1.0033	0.22089
Zn 206.200	0.3363	ppb	0.4650	138.3	1.1246	0.33634

680-106162-a-3-c (Samp) **10/14/2014, 12:38:07 AM** **Rack 3, Tube 27**

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

Label	Replicates Concentration		
Ag 328.068	0.2174	0.2485	-0.1738u
Al 308.215	15908.3	15906.5	15924.0
As 188.980	3.3625	6.1163	2.6234
B 249.678	333.070	333.709	335.294
Ba 389.178	56.2148	56.6015	55.5596
Be 313.042	-0.0193u	-0.0180u	-0.0192u
Ca 370.602	20604	20531	20624
Cd 226.502	0.1346	0.0493	0.1912
Co 228.615	0.0402	0.3371	0.4830
Cr 267.716	679.242	678.406	680.306

Label	Replicates Concentration		
Cu 324.754	0.6523	0.2788	0.4560
Fe 271.441	7.2945	2.9972	-1.5484u
K 766.491	127827x	127338x	128131x
Mg 279.078	10.1471	10.7421	11.3415
Mn 257.610	0.2304	0.2595	0.2075
Mo 202.032	30.4500	30.3964	31.4604
Na 330.237	219892x	219282x	218606x
Ni 231.604	1.4994	0.6515	0.6575
Pb 220.353	-1.0201u	-1.7822u	-0.5983u
Sb 206.834	-1.1499	-0.1709	-0.9707
Se 196.026	12.6615	11.1015	2.5497
Sn 189.925	-5.1314u	-5.5642u	-2.2829u
Sr 216.596	181.110	181.341	182.034
Ti 334.941	0.0852	0.0875	0.0693
Tl 190.794	0.3355	-1.3817u	-0.2317u
V 292.401	1.3580u	1.0827u	1.7044
Zn 206.200	5.5653	5.0547	2.8800

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	0.0974b	ppb	0.2353	241.7	-10.9243
Al 308.215	15912.9b	ppb	9.6417	0.1	107181
As 188.980	4.0341b	ppb	1.8408	45.6	-2.5633
B 249.678	334.025b	ppb	1.1448	0.3	5140.68
Ba 389.178	56.1253b	ppb	0.5267	0.9	1095.11
Be 313.042	-0.0188b	ppb	0.0007	3.7	-303.436
Ca 370.602	20586b	ppb	49.25	0.2	49665
Cd 226.502	0.1250b	ppb	0.0714	57.1	9.0934
Co 228.615	0.2868b	ppb	0.2256	78.7	1.4443
Cr 267.716	679.318b	ppb	0.9524	0.1	34188.1
Cu 324.754	0.4624b	ppb	0.1869	40.4	273.332
Fe 271.441	2.9144b	ppb	4.4221	151.7	13.7614
K 766.491	127766xb	ppb	399.938	0.3	5672246
Mg 279.078	10.7436b	ppb	0.5972	5.6	32.4806
Mn 257.610	0.2325b	ppb	0.0261	11.2	95.5516
Mo 202.032	30.7689b	ppb	0.5994	1.9	200.060
Na 330.237	219260xb	ppb	643.349	0.3	11633.1
Ni 231.604	0.9361b	ppb	0.4878	52.1	-3.7305
Pb 220.353	-1.1335b	ppb	0.6000	52.9	-0.3144
Sb 206.834	-0.7638b	ppb	0.5213	68.2	10.1974
Se 196.026	8.7709b	ppb	5.4439	62.1	5.6910
Sn 189.925	-4.3262b	ppb	1.7827	41.2	-6.2335
Sr 216.596	181.495b	ppb	0.4808	0.3	1989.72
Ti 334.941	0.0807b	ppb	0.0099	12.3	-41.4430
Tl 190.794	-0.4260b	ppb	0.8749	205.4	-5.7788
V 292.401	1.3817b	ppb	0.3115	22.5	-4.5049
Zn 206.200	4.5000b	ppb	1.4260	31.7	3.1257

680-106162-a-4-c (Samp) **10/14/2014, 12:42:25 AM** **Rack 3, Tube 28**

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

Label	Replicates Concentration		
Ag 328.068	0.6703	0.4223	0.4983
Al 308.215	1578.72	1577.23	1583.26
As 188.980	0.2100	-6.7906u	-1.2227u

Label	Replicates Concentration		
B 249.678	397.406	399.174	402.349
Ba 389.178	45.6559	44.8812	44.5734
Be 313.042	-0.0134u	-0.0054u	-0.0182u
Ca 370.602	5744	5746	5764
Cd 226.502	0.3757	0.2460	0.2819
Co 228.615	0.2990	0.5373	0.5554
Cr 267.716	237.811	237.444	238.545
Cu 324.754	3.1282	3.0422	2.8947
Fe 271.441	2.1029	2.9004	4.4890
K 766.491	163159x	163042x	163405x
Mg 279.078	5150.20	5162.09	5183.68
Mn 257.610	0.5198	0.5454	0.5970
Mo 202.032	47.8481	48.0158	48.2502
Na 330.237	256147x	256675x	256258x
Ni 231.604	0.9765	1.7696	3.2087
Pb 220.353	0.1738	-2.4184u	1.0573
Sb 206.834	0.9424	1.6672	-3.4966u
Se 196.026	16.4330	6.3022	7.0664
Sn 189.925	-5.0463u	-4.5379u	-4.2022u
Sr 216.596	75.9449	76.0921	77.0913
Ti 334.941	0.0126u	-0.0392u	-0.0336u
Tl 190.794	-2.6618u	1.5976	0.0146u
V 292.401	1.4009	1.2046	1.7724
Zn 206.200	4.5877	3.0335	5.3516

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	0.5303b	ppb	0.1270	24.0	26.2316
Al 308.215	1579.74b	ppb	3.1414	0.2	11107.6
As 188.980	-2.6011b	ppb	3.6983	142.2	-6.6046
B 249.678	399.643b	ppb	2.5043	0.6	6143.61
Ba 389.178	45.0368b	ppb	0.5578	1.2	873.726
Be 313.042	-0.0123b	ppb	0.0065	52.5	-306.326
Ca 370.602	5751b	ppb	11.05	0.2	13885
Cd 226.502	0.3012b	ppb	0.0670	22.2	15.5652
Co 228.615	0.4639b	ppb	0.1431	30.8	1.9594
Cr 267.716	237.933b	ppb	0.5605	0.2	11998.5
Cu 324.754	3.0217b	ppb	0.1181	3.9	458.641
Fe 271.441	3.1641b	ppb	1.2147	38.4	13.4233
K 766.491	163202xb	ppb	185.192	0.1	7245412
Mg 279.078	5165.33b	ppb	16.9708	0.3	12787.4
Mn 257.610	0.5541b	ppb	0.0393	7.1	201.743
Mo 202.032	48.0380b	ppb	0.2020	0.4	309.284
Na 330.237	256360xb	ppb	278.267	0.1	13597.8
Ni 231.604	1.9849b	ppb	1.1315	57.0	-0.8233
Pb 220.353	-0.3958b	ppb	1.8065	456.4	0.5825
Sb 206.834	-0.2957b	ppb	2.7957	945.6	5.8179
Se 196.026	9.9339b	ppb	5.6414	56.8	6.1569
Sn 189.925	-4.5955b	ppb	0.4250	9.2	-6.4011
Sr 216.596	76.3761b	ppb	0.6238	0.8	837.586
Ti 334.941	-0.0201b	ppb	0.0284	141.4	-64.8292
Tl 190.794	-0.3499b	ppb	2.1530	615.4	-5.7564
V 292.401	1.4593b	ppb	0.2884	19.8	13.5048
Zn 206.200	4.3243b	ppb	1.1813	27.3	4.1111

lb 680-352872/1-e (Samp) **10/14/2014, 12:46:42 AM** **Rack 3, Tube 29**

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

Label	Replicates Concentration		
Ag 328.068	0.1501	-0.1064u	-0.1518u
Al 308.215	-0.2731u	-1.3202u	0.3652
As 188.980	-1.8152u	0.1443	-0.3224u
B 249.678	10.0785	9.1924	8.6557
Ba 389.178	0.1906	-0.1163u	-0.0872u
Be 313.042	-0.0238u	-0.0164u	-0.0156u
Ca 370.602	15.60	10.71	10.61
Cd 226.502	0.2912	0.2736	0.0779
Co 228.615	0.1595	0.2718	-0.0506u
Cr 267.716	0.5705	0.3543	0.3050
Cu 324.754	0.1087	0.2148	0.4256
Fe 271.441	-1.1375u	0.1246	3.0527
K 766.491	36.1262	34.7581	33.5849
Mg 279.078	6.6462	3.1371	5.7558
Mn 257.610	0.1579	0.1573	0.1348
Mo 202.032	-0.0712u	-0.0904u	-0.2642u
Na 330.237	192878x	193698x	194072x
Ni 231.604	1.2556	2.3227	1.4318
Pb 220.353	-1.3130u	-0.3538u	-1.8159u
Sb 206.834	3.4258	-2.5757u	4.5013
Se 196.026	-2.6383u	5.1468	1.4191
Sn 189.925	-1.8072u	-1.9902u	-2.6085u
Sr 216.596	0.5597	0.1581	-0.0875u
Ti 334.941	0.0350u	-0.0047u	0.0474u
Tl 190.794	-0.9803u	-2.0229u	-2.4776u
V 292.401	-0.0056u	0.2375	-0.2091u
Zn 206.200	3.7292	2.8916	2.9725

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.0360b	ppb	0.1628	452.2	-15.6644
Al 308.215	-0.4094b	ppb	0.8509	207.8	513.142
As 188.980	-0.6645b	ppb	1.0235	154.0	-5.4679
B 249.678	9.3089b	ppb	0.7185	7.7	177.546
Ba 389.178	-0.0043b	ppb	0.1694	3930.7	-59.8019
Be 313.042	-0.0186b	ppb	0.0045	24.2	-298.737
Ca 370.602	12.31b	ppb	2.855	23.2	43.48
Cd 226.502	0.2142b	ppb	0.1184	55.3	12.5755
Co 228.615	0.1269b	ppb	0.1637	129.0	-0.9634
Cr 267.716	0.4100b	ppb	0.1412	34.4	56.0531
Cu 324.754	0.2497b	ppb	0.1613	64.6	256.758
Fe 271.441	0.6799b	ppb	2.1496	316.2	9.4109
K 766.491	34.8231b	ppb	1.2719	3.7	1742.71
Mg 279.078	5.1797b	ppb	1.8241	35.2	24.2646
Mn 257.610	0.1500b	ppb	0.0132	8.8	77.9792
Mo 202.032	-0.1419b	ppb	0.1063	74.9	4.5530
Na 330.237	193549xb	ppb	611.069	0.3	10271.6
Ni 231.604	1.6700b	ppb	0.5721	34.3	-1.6985
Pb 220.353	-1.1609b	ppb	0.7429	64.0	-0.6219
Sb 206.834	1.7838b	ppb	3.8135	213.8	6.8408
Se 196.026	1.3092b	ppb	3.8938	297.4	2.7030
Sn 189.925	-2.1353b	ppb	0.4199	19.7	-4.7925
Sr 216.596	0.2101b	ppb	0.3267	155.5	5.2165

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ti 334.941	0.0259b	ppb	0.0272	105.0	-55.8751
Tl 190.794	-1.8270b	ppb	0.7677	42.0	-7.0697
V 292.401	0.0076b	ppb	0.2235	2939.9	-5.8935
Zn 206.200	3.1977b	ppb	0.4620	14.4	3.7113

680-106101-c-8-h (Samp) **10/14/2014, 12:50:59 AM** **Rack 3, Tube 30**

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

Label	Replicates Concentration		
Ag 328.068	-0.1396u	-0.0293u	-0.3315u
Al 308.215	0.9358	0.5652	0.1909
As 188.980	-1.3630u	1.0376	2.1792
B 249.678	8.6853	9.3384	9.3473
Ba 389.178	66.1967	66.6952	66.2886
Be 313.042	-0.0414u	-0.0415u	-0.0461u
Ca 370.602	100509	100272	100145
Cd 226.502	3.0908	3.0790	3.1336
Co 228.615	0.0781	0.4636	-0.0059u
Cr 267.716	0.2173	0.2576	0.2450
Cu 324.754	0.2459	0.4336	0.5254
Fe 271.441	3.6250	3.7918	6.2266
K 766.491	1233.46	1239.72	1244.16
Mg 279.078	840.211	840.573	844.357
Mn 257.610	124.631	124.502	124.711
Mo 202.032	-0.1871u	0.0720	-0.0489u
Na 330.237	279477x	280586x	281039x
Ni 231.604	2.9402	3.5994	3.9602
Pb 220.353	8.9587	6.0590	8.7276
Sb 206.834	0.7403	-0.3415u	-3.8548u
Se 196.026	6.7233	2.5791	6.1032
Sn 189.925	0.4840	0.3051	-1.7657u
Sr 216.596	178.806	177.568	178.351
Ti 334.941	0.1380	0.1441	0.1778
Tl 190.794	-1.8054u	-2.5210u	-3.4353u
V 292.401	0.0084u	0.2829	-0.2038u
Zn 206.200	155.304	157.594	161.993

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.1668b	ppb	0.1529	91.7	-31.3084
Al 308.215	0.5640b	ppb	0.3725	66.0	519.671
As 188.980	0.6180b	ppb	1.8080	292.6	-4.7135
B 249.678	9.1236b	ppb	0.3797	4.2	174.672
Ba 389.178	66.3935b	ppb	0.2653	0.4	1307.29
Be 313.042	-0.0430b	ppb	0.0026	6.1	-315.252
Ca 370.602	100309b	ppb	185.0	0.2	241945
Cd 226.502	3.1011b	ppb	0.0287	0.9	120.116
Co 228.615	0.1786b	ppb	0.2504	140.2	-0.4177
Cr 267.716	0.2400b	ppb	0.0206	8.6	49.6359
Cu 324.754	0.4017b	ppb	0.1424	35.5	267.713
Fe 271.441	4.5478b	ppb	1.4563	32.0	14.9308
K 766.491	1239.11b	ppb	5.3754	0.4	55206.2
Mg 279.078	841.714b	ppb	2.2962	0.3	2091.10
Mn 257.610	124.615b	ppb	0.1052	0.1	26380.2
Mo 202.032	-0.0546b	ppb	0.1296	237.2	5.1051

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Na 330.237	280367xb	ppb	804.072	0.3	14865.6
Ni 231.604	3.4999b	ppb	0.5172	14.8	3.3840
Pb 220.353	7.9151b	ppb	1.6116	20.4	12.5235
Sb 206.834	-1.1520b	ppb	2.4024	208.5	2.9292
Se 196.026	5.1352b	ppb	2.2352	43.5	4.2601
Sn 189.925	-0.3256b	ppb	1.2504	384.1	-3.5722
Sr 216.596	178.241b	ppb	0.6263	0.4	1982.81
Ti 334.941	0.1533b	ppb	0.0214	14.0	-24.9723
Tl 190.794	-2.5873b	ppb	0.8170	31.6	-7.7639
V 292.401	0.0291b	ppb	0.2440	837.5	-5.9476
Zn 206.200	158.297b	ppb	3.3993	2.1	143.938

680-106101-c-9-f (Samp) **10/14/2014, 12:55:17 AM** **Rack 3, Tube 31**

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

Label	Replicates Concentration		
Ag 328.068	-0.0309u	-0.0844u	-0.1197u
Al 308.215	3.7270	3.1458	3.1989
As 188.980	-6.1527u	1.8812	-1.1479u
B 249.678	11.4313	11.4588	11.7855
Ba 389.178	68.6773	68.6581	68.9357
Be 313.042	-0.0489u	-0.0368u	-0.0387u
Ca 370.602	99117	99226	99042
Cd 226.502	3.6045	3.5744	3.4689
Co 228.615	-0.5581u	0.4295	0.2903
Cr 267.716	0.3994	0.1398	0.1976
Cu 324.754	0.2830	0.3295	0.3431
Fe 271.441	23.7971	14.2202	9.5954
K 766.491	1274.88	1279.18	1278.50
Mg 279.078	828.921	832.433	829.434
Mn 257.610	126.447	126.369	126.064
Mo 202.032	-0.0319u	-0.1145u	-0.4635u
Na 330.237	277194x	275816x	276209x
Ni 231.604	1.5188	1.0352	1.1390
Pb 220.353	5.3698	10.0988	8.2254
Sb 206.834	0.0142	0.5678	-3.0562u
Se 196.026	6.7496	4.9362	8.1796
Sn 189.925	-0.0447	-1.4439u	-5.1935u
Sr 216.596	177.221	178.255	176.415
Ti 334.941	0.2064	0.1621	0.1870
Tl 190.794	-5.3929u	-0.9937u	-3.1813u
V 292.401	0.0356u	0.0086u	0.0315u
Zn 206.200	179.418	179.801	175.796

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.0783b	ppb	0.0447	57.1	-24.2862
Al 308.215	3.3572b	ppb	0.3213	9.6	538.403
As 188.980	-1.8065b	ppb	4.0572	224.6	-6.1396
B 249.678	11.5585b	ppb	0.1970	1.7	211.896
Ba 389.178	68.7570b	ppb	0.1550	0.2	1355.91
Be 313.042	-0.0415b	ppb	0.0065	15.6	-312.793
Ca 370.602	99128b	ppb	92.63	0.1	239098
Cd 226.502	3.5493b	ppb	0.0712	2.0	136.932
Co 228.615	0.0539b	ppb	0.5346	992.1	-1.7252

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Cr 267.716	0.2456b	ppb	0.1363	55.5	49.8566
Cu 324.754	0.3185b	ppb	0.0316	9.9	261.720
Fe 271.441	15.8709b	ppb	7.2433	45.6	30.9971
K 766.491	1277.52b	ppb	2.3134	0.2	56911.2
Mg 279.078	830.263b	ppb	1.8971	0.2	2062.75
Mn 257.610	126.293b	ppb	0.2020	0.2	26734.8
Mo 202.032	-0.2033b	ppb	0.2291	112.7	4.1645
Na 330.237	276407xb	ppb	709.791	0.3	14655.5
Ni 231.604	1.2310b	ppb	0.2546	20.7	-2.9165
Pb 220.353	7.8980b	ppb	2.3814	30.2	12.4988
Sb 206.834	-0.8247b	ppb	1.9523	236.7	3.3659
Se 196.026	6.6218b	ppb	1.6254	24.5	4.8557
Sn 189.925	-2.2274b	ppb	2.6623	119.5	-4.8302
Sr 216.596	177.297b	ppb	0.9223	0.5	1972.11
Ti 334.941	0.1851b	ppb	0.0222	12.0	-15.6247
Tl 190.794	-3.1893b	ppb	2.1996	69.0	-8.3614
V 292.401	0.0252b	ppb	0.0146	57.7	-6.0169
Zn 206.200	178.338b	ppb	2.2100	1.2	162.057

680-106101-c-10-f (Samp) **10/14/2014, 12:59:34 AM** **Rack 3, Tube 32**

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

Label	Replicates Concentration		
Ag 328.068	0.1191	0.0536u	0.0458u
Al 308.215	3.6152	5.1408	2.0459
As 188.980	0.2578	-3.8181u	2.0552
B 249.678	9.9766	9.6430	8.7015
Ba 389.178	40.9520	40.0010	41.5515
Be 313.042	-0.0437u	-0.0498u	-0.0486u
Ca 370.602	103470	103325	103182
Cd 226.502	0.9925	0.9145	1.0637
Co 228.615	-0.1030u	-0.1309u	0.6551
Cr 267.716	0.2653	0.0825	0.1862
Cu 324.754	0.7373	0.7839	0.7082
Fe 271.441	3.5565	7.1722	3.2024
K 766.491	3434.34	3437.37	3435.82
Mg 279.078	1054.50	1053.51	1055.25
Mn 257.610	31.6712	31.6111	31.7386
Mo 202.032	0.3572	0.1937	0.0446
Na 330.237	260658x	260102x	259895x
Ni 231.604	2.3915	0.8219	2.3336
Pb 220.353	-1.4510u	1.1988	1.3500
Sb 206.834	-4.5347u	2.3319	-1.4527u
Se 196.026	4.7434	15.6638	9.3941
Sn 189.925	-2.7512u	-4.2551u	0.7923
Sr 216.596	244.093	243.922	243.231
Ti 334.941	0.2069	0.2076	0.1607
Tl 190.794	0.6253	0.7687	-0.5320u
V 292.401	0.2647	0.2784	0.1800
Zn 206.200	35.0198	34.0081	36.7690

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	0.0728b	ppb	0.0403	55.3	-15.0115
Al 308.215	3.6006b	ppb	1.5475	43.0	540.068

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
As 188.980	-0.5017b	ppb	3.0094	599.9	-5.3722
B 249.678	9.4404b	ppb	0.6613	7.0	179.530
Ba 389.178	40.8349b	ppb	0.7819	1.9	781.750
Be 313.042	-0.0474b	ppb	0.0032	6.8	-319.739
Ca 370.602	103326b	ppb	144.4	0.1	249219
Cd 226.502	0.9902b	ppb	0.0747	7.5	41.2675
Co 228.615	0.1404b	ppb	0.4459	317.6	-0.8246
Cr 267.716	0.1780b	ppb	0.0917	51.5	45.7649
Cu 324.754	0.7431b	ppb	0.0382	5.1	292.360
Fe 271.441	4.6437b	ppb	2.1969	47.3	15.0756
K 766.491	3435.84b	ppb	1.5135	0.0	152728
Mg 279.078	1054.42b	ppb	0.8697	0.1	2618.99
Mn 257.610	31.6736b	ppb	0.0638	0.2	6746.69
Mo 202.032	0.1985b	ppb	0.1563	78.7	6.7058
Na 330.237	260218xb	ppb	394.382	0.2	13801.4
Ni 231.604	1.8490b	ppb	0.8900	48.1	-1.2015
Pb 220.353	0.3659b	ppb	1.5754	430.5	1.5906
Sb 206.834	-1.2185b	ppb	3.4393	282.3	2.8343
Se 196.026	9.9337b	ppb	5.4802	55.2	6.1630
Sn 189.925	-2.0713b	ppb	2.5915	125.1	-4.7315
Sr 216.596	243.749b	ppb	0.4561	0.2	2698.40
Ti 334.941	0.1917b	ppb	0.0269	14.0	-12.1344
Tl 190.794	0.2873b	ppb	0.7132	248.2	-4.9624
V 292.401	0.2410b	ppb	0.0533	22.1	-0.3427
Zn 206.200	35.2657b	ppb	1.3968	4.0	32.7044

680-106101-c-11-f (Samp) **10/14/2014, 1:03:51 AM** **Rack 3, Tube 33**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Replicates Concentration		
Ag 328.068	-0.1312u	0.0169u	-0.1389u
Al 308.215	-0.8104u	-0.3832u	-0.3299u
As 188.980	0.7887	-0.0905u	-4.1429u
B 249.678	8.8588	8.7333	9.0523
Ba 389.178	37.9576	38.1120	37.9196
Be 313.042	-0.0408u	-0.0375u	-0.0429u
Ca 370.602	87765	88024	88443
Cd 226.502	0.9696	1.2061	0.8705
Co 228.615	0.0242	0.4559	0.2780
Cr 267.716	0.4063	0.3190	0.1613
Cu 324.754	0.7881	0.7687	0.6394
Fe 271.441	7.0794	7.3770	8.9611
K 766.491	2768.29	2762.64	2766.54
Mg 279.078	816.547	810.669	818.040
Mn 257.610	38.3015	38.4949	38.5886
Mo 202.032	-0.0746u	0.4213	0.2812
Na 330.237	232158x	231337x	231535x
Ni 231.604	0.7738	2.0399	1.9185
Pb 220.353	-1.1522u	-1.7977u	-0.1563u
Sb 206.834	2.0351	-2.2746u	-2.2759u
Se 196.026	17.1679	-0.4161u	9.6695
Sn 189.925	-0.9735u	1.1585	-4.6086u
Sr 216.596	201.276	202.199	201.951
Ti 334.941	0.1219	0.1193	0.1784

Label	Replicates Concentration		
Tl 190.794	-3.5875u	-2.0179u	-5.0386u
V 292.401	0.4138	-0.0185u	0.3830
Zn 206.200	38.9410	37.6086	37.6206

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.0844b	ppb	0.0878	104.0	-25.9358
Al 308.215	-0.5078b	ppb	0.2633	51.9	512.528
As 188.980	-1.1482b	ppb	2.6304	229.1	-5.7526
B 249.678	8.8815b	ppb	0.1607	1.8	170.999
Ba 389.178	37.9964b	ppb	0.1018	0.3	723.048
Be 313.042	-0.0404b	ppb	0.0027	6.8	-310.141
Ca 370.602	88078b	ppb	342.3	0.4	212444
Cd 226.502	1.0154b	ppb	0.1724	17.0	42.3547
Co 228.615	0.2527b	ppb	0.2170	85.9	0.3500
Cr 267.716	0.2955b	ppb	0.1242	42.0	51.1637
Cu 324.754	0.7320b	ppb	0.0808	11.0	291.563
Fe 271.441	7.8059b	ppb	1.0115	13.0	19.5608
K 766.491	2765.83b	ppb	2.8898	0.1	122983
Mg 279.078	815.085b	ppb	3.8967	0.5	2026.86
Mn 257.610	38.4617b	ppb	0.1464	0.4	8178.94
Mo 202.032	0.2093b	ppb	0.2556	122.1	6.7744
Na 330.237	231677xb	ppb	428.017	0.2	12289.9
Ni 231.604	1.5774b	ppb	0.6986	44.3	-1.9558
Pb 220.353	-1.0354b	ppb	0.8269	79.9	-0.4339
Sb 206.834	-0.8385b	ppb	2.4886	296.8	3.3400
Se 196.026	8.8071b	ppb	8.8237	100.2	5.7132
Sn 189.925	-1.4745b	ppb	2.9160	197.8	-4.3452
Sr 216.596	201.808b	ppb	0.4774	0.2	2235.62
Ti 334.941	0.1399b	ppb	0.0334	23.9	-25.0216
Tl 190.794	-3.5480b	ppb	1.5108	42.6	-8.7566
V 292.401	0.2594b	ppb	0.2412	93.0	0.3264
Zn 206.200	38.0567b	ppb	0.7658	2.0	35.2277

680-106101-c-12-f (Samp) **10/14/2014, 1:08:09 AM** **Rack 3, Tube 34**

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

Label	Replicates Concentration		
Ag 328.068	0.0264	0.1465	-0.0565u
Al 308.215	34.2657	32.7090	34.1699
As 188.980	1.7995	0.3715	-6.8704u
B 249.678	22.8273	23.0744	22.7506
Ba 389.178	66.3777	66.9911	66.7069
Be 313.042	-0.0020u	-0.0017u	-0.0050u
Ca 370.602	14235	14283	14212
Cd 226.502	0.5150	0.4043	0.6107
Co 228.615	0.2438	0.6383	-0.5731u
Cr 267.716	0.3087	0.4526	0.3526
Cu 324.754	0.6625	0.5608	0.5666
Fe 271.441	30.4610	33.4704	32.8995
K 766.491	636.900	638.637	635.557
Mg 279.078	678.390	683.310	677.520
Mn 257.610	56.8743	56.9818	56.7486
Mo 202.032	0.1442	-0.0824u	0.3379
Na 330.237	217153x	217396x	216227x

Label	Replicates Concentration		
Ni 231.604	1.4374	1.5013	3.0130
Pb 220.353	0.6650	3.5718	-1.8986u
Sb 206.834	-1.1588u	-4.2281u	-2.8456u
Se 196.026	1.1484	7.6356	4.2741
Sn 189.925	2.7664	-2.9716u	-0.4141u
Sr 216.596	38.4226	37.7464	37.1785
Ti 334.941	0.5722	0.7221	0.7498
Tl 190.794	-0.9595u	-3.6403u	-3.6650u
V 292.401	0.0812	0.2517	-0.0230u
Zn 206.200	27.9181	25.3551	29.3624

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	0.0388b	ppb	0.1021	262.9	-10.7699
Al 308.215	33.7148b	ppb	0.8724	2.6	741.937
As 188.980	-1.5664b	ppb	4.6485	296.8	-5.9984
B 249.678	22.8841b	ppb	0.1692	0.7	384.903
Ba 389.178	66.6919b	ppb	0.3070	0.5	1313.24
Be 313.042	-0.0029b	ppb	0.0018	62.9	-270.798
Ca 370.602	14243b	ppb	36.41	0.3	34368
Cd 226.502	0.5100b	ppb	0.1033	20.3	23.6340
Co 228.615	0.1030b	ppb	0.6179	599.8	-1.2067
Cr 267.716	0.3713b	ppb	0.0738	19.9	54.8024
Cu 324.754	0.5966b	ppb	0.0571	9.6	281.804
Fe 271.441	32.2770b	ppb	1.5984	5.0	54.3990
K 766.491	637.031b	ppb	1.5438	0.2	28477.2
Mg 279.078	679.740b	ppb	3.1220	0.5	1691.72
Mn 257.610	56.8682b	ppb	0.1167	0.2	12065.8
Mo 202.032	0.1332b	ppb	0.2104	157.9	6.2922
Na 330.237	216925xb	ppb	617.125	0.3	11508.9
Ni 231.604	1.9839b	ppb	0.8918	45.0	-0.8248
Pb 220.353	0.7794b	ppb	2.7370	351.2	2.1913
Sb 206.834	-2.7442b	ppb	1.5372	56.0	0.8054
Se 196.026	4.3527b	ppb	3.2443	74.5	3.9333
Sn 189.925	-0.2064b	ppb	2.8746	1392.5	-3.5112
Sr 216.596	37.7825b	ppb	0.6228	1.6	420.125
Ti 334.941	0.6814b	ppb	0.0955	14.0	130.035
Tl 190.794	-2.7549b	ppb	1.5550	56.4	-7.9658
V 292.401	0.1033b	ppb	0.1387	134.2	-3.5806
Zn 206.200	27.5452b	ppb	2.0295	7.4	25.7231

680-106101-c-13-i (Samp) **10/14/2014, 1:12:26 AM** **Rack 3, Tube 35**

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

Label	Replicates Concentration		
Ag 328.068	-0.0545u	-0.2687u	0.1395
Al 308.215	-1.2440u	0.2693	1.2609
As 188.980	-3.1348u	-2.7920u	-1.8325u
B 249.678	7.5009	8.2238	7.9920
Ba 389.178	114.969	113.585	115.073
Be 313.042	-0.0431u	-0.0555u	-0.0457u
Ca 370.602	107300	107337	107789
Cd 226.502	0.4715	0.3692	0.3116
Co 228.615	0.1722	0.3890	0.4840
Cr 267.716	0.1609	0.0984	0.1572

Label	Replicates Concentration		
Cu 324.754	0.3750	0.3248	0.4632
Fe 271.441	192.604	184.810	186.926
K 766.491	566.131	573.034	566.701
Mg 279.078	947.877	949.544	949.730
Mn 257.610	114.089	114.285	114.263
Mo 202.032	0.4584	0.1422	0.5488
Na 330.237	238130x	236940x	237158x
Ni 231.604	2.1426	1.6222	2.3181
Pb 220.353	-1.1856u	-0.4536u	-0.0409u
Sb 206.834	-6.2519u	-5.3529u	-1.1576u
Se 196.026	-0.9419u	6.0735	-7.1394u
Sn 189.925	-1.4638u	-2.4424u	-1.0759u
Sr 216.596	104.333	103.534	104.436
Ti 334.941	0.1075	0.1566	0.1649
Tl 190.794	-5.0381u	-6.1704u	-3.3011u
V 292.401	-0.1436u	-0.2059u	-0.1913u
Zn 206.200	8.7432	8.8863	7.4969

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.0612b	ppb	0.2042	333.4	-20.7741
Al 308.215	0.0954b	ppb	1.2615	1321.8	516.858
As 188.980	-2.5864b	ppb	0.6750	26.1	-6.5997
B 249.678	7.9056b	ppb	0.3691	4.7	155.625
Ba 389.178	114.542b	ppb	0.8308	0.7	2298.11
Be 313.042	-0.0481b	ppb	0.0065	13.6	-317.051
Ca 370.602	107476b	ppb	272.5	0.3	259228
Cd 226.502	0.3841b	ppb	0.0810	21.1	19.4509
Co 228.615	0.3484b	ppb	0.1598	45.9	1.3623
Cr 267.716	0.1388b	ppb	0.0351	25.3	43.8220
Cu 324.754	0.3876b	ppb	0.0701	18.1	266.807
Fe 271.441	188.113b	ppb	4.0300	2.1	276.205
K 766.491	568.622b	ppb	3.8314	0.7	25440.3
Mg 279.078	949.050b	ppb	1.0200	0.1	2356.80
Mn 257.610	114.212b	ppb	0.1070	0.1	24184.2
Mo 202.032	0.3831b	ppb	0.2135	55.7	7.8661
Na 330.237	237409xb	ppb	633.344	0.3	12594.0
Ni 231.604	2.0277b	ppb	0.3619	17.8	-0.6910
Pb 220.353	-0.5600b	ppb	0.5797	103.5	0.2561
Sb 206.834	-4.2542b	ppb	2.7191	63.9	-1.2080
Se 196.026	-0.6693b	ppb	6.6107	987.8	1.9350
Sn 189.925	-1.6607b	ppb	0.7042	42.4	-4.4667
Sr 216.596	104.101b	ppb	0.4940	0.5	1176.81
Ti 334.941	0.1430b	ppb	0.0310	21.7	-24.2967
Tl 190.794	-4.8366b	ppb	1.4452	29.9	-10.0207
V 292.401	-0.1803b	ppb	0.0326	18.1	-11.0891
Zn 206.200	8.3755b	ppb	0.7643	9.1	8.3860

680-106101-c-13-j ms (Samp) **10/14/2014, 1:16:43 AM** **Rack 3, Tube 36**

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

Label	Replicates Concentration		
Ag 328.068	139.053	138.973	139.421
Al 308.215	1532.00	1527.52	1529.26
As 188.980	157.155	154.496	156.603

Label	Replicates Concentration		
B 249.678	304.743	306.299	308.396
Ba 389.178	214.969	215.681	215.817
Be 313.042	150.183	150.278	150.655
Ca 370.602	100462	100474	100298
Cd 226.502	149.411	148.886	149.056
Co 228.615	149.996	149.413	150.317
Cr 267.716	148.454	148.648	148.285
Cu 324.754	160.190	159.808	161.044
Fe 271.441	14795.4	14801.3	14859.0
K 766.491	18681.7	18696.3	18745.4
Mg 279.078	15388.2	15372.5	15399.3
Mn 257.610	1639.68	1638.56	1640.50
Mo 202.032	147.294	147.693	148.019
Na 330.237	200567x	200376x	201122x
Ni 231.604	150.787	148.342	148.991
Pb 220.353	148.084	149.960	148.735
Sb 206.834	146.632	154.259	150.924
Se 196.026	161.870	150.034	153.440
Sn 189.925	150.183	148.957	140.971
Sr 216.596	230.362	229.924	229.502
Ti 334.941	149.710	149.799	150.240
Tl 190.794	23.9009	26.5198	25.7926
V 292.401	152.728	152.547	153.101
Zn 206.200	154.289	155.362	155.012

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	139.149b	ppb	0.2390	0.2	10899.4
Al 308.215	1529.59b	ppb	2.2605	0.1	10816.3
As 188.980	156.084b	ppb	1.4031	0.9	86.6291
B 249.678	306.479b	ppb	1.8332	0.6	4690.05
Ba 389.178	215.489b	ppb	0.4552	0.2	4401.89
Be 313.042	150.372b	ppb	0.2497	0.2	246666
Ca 370.602	100411b	ppb	98.31	0.1	242132
Cd 226.502	149.118b	ppb	0.2676	0.2	5643.33
Co 228.615	149.909b	ppb	0.4583	0.3	1572.27
Cr 267.716	148.462b	ppb	0.1819	0.1	7510.64
Cu 324.754	160.347b	ppb	0.6326	0.4	11815.9
Fe 271.441	14818.6b	ppb	35.1837	0.2	21118.7
K 766.491	18707.8b	ppb	33.3974	0.2	830715
Mg 279.078	15386.7b	ppb	13.4233	0.1	38039.3
Mn 257.610	1639.58b	ppb	0.9728	0.1	346593
Mo 202.032	147.669b	ppb	0.3630	0.2	938.638
Na 330.237	200688xb	ppb	387.713	0.2	10642.1
Ni 231.604	149.373b	ppb	1.2661	0.8	409.364
Pb 220.353	148.926b	ppb	0.9529	0.6	215.568
Sb 206.834	150.605b	ppb	3.8232	2.5	204.899
Se 196.026	155.115b	ppb	6.0932	3.9	64.7390
Sn 189.925	146.704b	ppb	5.0023	3.4	93.5796
Sr 216.596	229.929b	ppb	0.4300	0.2	2557.09
Ti 334.941	149.917b	ppb	0.2837	0.2	42631.9
Tl 190.794	25.4044b	ppb	1.3519	5.3	19.0265
V 292.401	152.792b	ppb	0.2822	0.2	3943.97
Zn 206.200	154.888b	ppb	0.5471	0.4	139.905

Cont Calib Verif (CCV) **10/14/2014, 1:21:01 AM** **Rack 3, Tube 37**

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

Label	Replicates Concentration		
Ag 328.068	512.274	505.171	510.312
Al 308.215	4895.48	4882.13	4890.17
As 188.980	476.766	484.246	480.133
B 249.678	500.051	502.600	505.994
Ba 389.178	4920.50	4912.01	4914.95
Be 313.042	495.312	495.458	494.991
Ca 370.602	4907	4881	4880
Cd 226.502	502.679	501.741	504.253
Co 228.615	503.721	502.466	503.868
Cr 267.716	4925.41	4914.05	4917.75
Cu 324.754	5086.76	5048.89	4991.57
Fe 271.441	5017.57	5000.71	5010.13
K 766.491	10126.4	10082.9	10050.0
Mg 279.078	4947.11	4941.47	4954.65
Mn 257.610	5028.77	5019.90	5014.46
Mo 202.032	486.223	487.881	485.849
Na 330.237	7680.23	7669.99	7615.43
Ni 231.604	2525.59	2521.53	2531.64
Pb 220.353	494.433	497.370	500.592
Sb 206.834	960.991	960.329	966.081
Se 196.026	4928.56	4912.59	4910.10
Sn 189.925	4985.15	4989.08	5009.87
Sr 216.596	2479.73	2476.63	2490.43
Ti 334.941	489.567	487.878	487.962
Tl 190.794	4985.19	4971.90	4999.48
V 292.401	4933.49	4917.68	4922.50
Zn 206.200	2499.13	2475.05	2488.47

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Ag 328.068	509.253	ppb	3.6683	0.7	39886.3	101.85051
Al 308.215	4889.26	ppb	6.7216	0.1	33809.9	97.78526
As 188.980	480.382	ppb	3.7463	0.8	277.395	96.07635
B 249.678	502.882	ppb	2.9817	0.6	7723.59	100.57633
Ba 389.178	4915.82	ppb	4.3108	0.1	101096	98.31641
Be 313.042	495.254	ppb	0.2390	0.0	813151	99.05073
Ca 370.602	4889	ppb	15.43	0.3	12082	97.78329
Cd 226.502	502.891	ppb	1.2694	0.3	18841.9	100.57822
Co 228.615	503.352	ppb	0.7708	0.2	5288.35	100.67033
Cr 267.716	4919.07	ppb	5.7912	0.1	247304	98.38136
Cu 324.754	5042.40	ppb	47.9243	1.0	363938	100.84808
Fe 271.441	5009.47	ppb	8.4492	0.2	7239.01	100.18938
K 766.491	10086.4	ppb	38.3081	0.4	447975	100.86411
Mg 279.078	4947.75	ppb	6.6148	0.1	12153.6	98.95491
Mn 257.610	5021.04	ppb	7.2249	0.1	1060873	100.42080
Mo 202.032	486.651	ppb	1.0817	0.2	3078.25	97.33022
Na 330.237	7655.22	ppb	34.8333	0.5	370.178	102.06956
Ni 231.604	2526.25	ppb	5.0866	0.2	7009.87	101.05005
Pb 220.353	497.465	ppb	3.0804	0.6	723.584	99.49296
Sb 206.834	962.467	ppb	3.1473	0.3	1333.43	96.24672
Se 196.026	4917.08	ppb	10.0180	0.2	1972.27	98.34167
Sn 189.925	4994.70	ppb	13.2817	0.3	3297.64	99.89397
Sr 216.596	2482.27	ppb	7.2386	0.3	27020.9	99.29066

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Ti 334.941	488.469	ppb	0.9521	0.2	138983	97.69376
Tl 190.794	4985.52	ppb	13.7931	0.3	4939.32	99.71042
V 292.401	4924.56	ppb	8.1066	0.2	127751	98.49117
Zn 206.200	2487.55	ppb	12.0654	0.5	2236.84	99.50211

Cont Calib Blank (CCB) **10/14/2014, 1:25:19 AM** **Rack 3, Tube 38**

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

Label	Replicates Concentration		
Ag 328.068	-0.0163u	-0.0118u	0.0987
Al 308.215	-6.0698u	-5.4549u	-4.5560u
As 188.980	-5.0551u	-2.3894u	-3.9463u
B 249.678	10.5990	8.8425	8.3041
Ba 389.178	1.0954	-0.0133u	0.9479
Be 313.042	0.0037	0.0153	0.0072
Ca 370.602	2.368	3.762	4.830
Cd 226.502	0.2191	0.3223	0.2222
Co 228.615	0.1571	0.7510	0.1365
Cr 267.716	0.1982	0.4527	0.4808
Cu 324.754	0.3771	0.4057	0.5364
Fe 271.441	0.3703	-3.0266u	-1.8915u
K 766.491	3.0333	3.3978	2.6607
Mg 279.078	3.2464	2.5293	4.0018
Mn 257.610	0.3321	0.4075	0.4315
Mo 202.032	0.6279	0.7574	0.5206
Na 330.237	-195.886u	95.5093	-39.5817u
Ni 231.604	1.6179	1.6438	0.2564
Pb 220.353	-0.5458u	1.3812	1.8276
Sb 206.834	0.1090	-0.1937u	-1.5786u
Se 196.026	15.9702	4.5913	7.1557
Sn 189.925	0.8116	-0.2337u	2.3527
Sr 216.596	0.0523	0.6676	-0.0971u
Ti 334.941	0.0880	0.0751	0.0572
Tl 190.794	5.2478	0.7577	5.2477
V 292.401	0.2151	0.2999	0.4649
Zn 206.200	0.8700	2.1218	0.6114

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Ag 328.068	0.0235	ppb	0.0651	276.5	-11.0061	0.02355
Al 308.215	-5.3602	ppb	0.7614	14.2	480.021	-5.36022
As 188.980	-3.7970	ppb	1.3391	35.3	-7.3108	-3.79696
B 249.678	9.2485	ppb	1.2002	13.0	176.600	9.24853
Ba 389.178	0.6767	ppb	0.6021	89.0	-45.7915	0.67670
Be 313.042	0.0087	ppb	0.0060	68.6	-234.513	0.00873
Ca 370.602	3.653	ppb	1.235	33.8	22.67	3.65332
Cd 226.502	0.2546	ppb	0.0587	23.1	15.1543	0.25456
Co 228.615	0.3482	ppb	0.3490	100.2	1.3422	0.34820
Cr 267.716	0.3772	ppb	0.1557	41.3	50.8111	0.37722
Cu 324.754	0.4397	ppb	0.0849	19.3	270.488	0.43974
Fe 271.441	-1.5159	ppb	1.7293	114.1	6.2934	-1.51593
K 766.491	3.0306	ppb	0.3685	12.2	331.308	3.03059
Mg 279.078	3.2591	ppb	0.7363	22.6	19.5116	3.25913
Mn 257.610	0.3904	ppb	0.0519	13.3	129.701	0.39038
Mo 202.032	0.6353	ppb	0.1186	18.7	9.4687	0.63530

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Na 330.237	-46.6529	ppb	145.826	312.6	19.5543	-46.65290
Ni 231.604	1.1727	ppb	0.7937	67.7	-3.0802	1.17270
Pb 220.353	0.8877	ppb	1.2613	142.1	2.3392	0.88767
Sb 206.834	-0.5545	ppb	0.8998	162.3	3.7138	-0.55445
Se 196.026	9.2391	ppb	5.9687	64.6	5.8785	9.23908
Sn 189.925	0.9769	ppb	1.3011	133.2	-2.7900	0.97689
Sr 216.596	0.2076	ppb	0.4053	195.3	5.1882	0.20758
Ti 334.941	0.0734	ppb	0.0155	21.1	-27.0978	0.07344
Tl 190.794	3.7511	ppb	2.5923	69.1	-1.5486	3.75107
V 292.401	0.3266	ppb	0.1271	38.9	3.7422	0.32664
Zn 206.200	1.2011	ppb	0.8078	67.3	1.9066	1.20111

680-106101-c-13-k ms (Samp) **10/14/2014, 1:29:37 AM** **Rack 3, Tube 39**

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

Label	Replicates Concentration		
Ag 328.068	136.755	136.880	137.370
Al 308.215	1536.82	1537.67	1542.08
As 188.980	149.232	152.630	151.660
B 249.678	310.053	310.839	313.753
Ba 389.178	217.422	217.648	220.208
Be 313.042	152.145	152.397	152.936
Ca 370.602	101251	101135	101416
Cd 226.502	151.064	150.563	151.940
Co 228.615	151.705	152.616	151.627
Cr 267.716	150.336	150.398	151.452
Cu 324.754	160.607	160.397	160.255
Fe 271.441	14987.8	15010.5	15114.0
K 766.491	18636.2	18645.5	18509.4
Mg 279.078	15545.2	15526.1	15647.8
Mn 257.610	1658.63	1657.18	1666.21
Mo 202.032	150.128	148.975	151.169
Na 330.237	201030x	200630x	201631x
Ni 231.604	151.754	151.899	151.497
Pb 220.353	146.873	145.468	152.570
Sb 206.834	144.532	150.515	147.587
Se 196.026	155.724	157.597	155.214
Sn 189.925	147.540	145.870	143.770
Sr 216.596	232.031	234.056	235.755
Ti 334.941	151.053	151.395	151.907
Tl 190.794	24.4963	29.6136	28.6345
V 292.401	153.955	154.976	155.212
Zn 206.200	157.161	155.167	159.455

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	137.002b	ppb	0.3248	0.2	10730.9
Al 308.215	1538.86b	ppb	2.8211	0.2	10879.1
As 188.980	151.174b	ppb	1.7505	1.2	83.7386
B 249.678	311.549b	ppb	1.9493	0.6	4767.02
Ba 389.178	218.426b	ppb	1.5469	0.7	4462.69
Be 313.042	152.493b	ppb	0.4043	0.3	250148
Ca 370.602	101267b	ppb	140.8	0.1	244196
Cd 226.502	151.189b	ppb	0.6971	0.5	5721.73
Co 228.615	151.983b	ppb	0.5503	0.4	1594.04

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Cr 267.716	150.729b	ppb	0.6268	0.4	7624.75
Cu 324.754	160.419b	ppb	0.1770	0.1	11821.2
Fe 271.441	15037.4b	ppb	67.2681	0.4	21430.5
K 766.491	18597.0b	ppb	76.0107	0.4	825797
Mg 279.078	15573.0b	ppb	65.4686	0.4	38499.9
Mn 257.610	1660.68b	ppb	4.8476	0.3	351052
Mo 202.032	150.091b	ppb	1.0974	0.7	953.944
Na 330.237	201097xb	ppb	503.540	0.3	10663.6
Ni 231.604	151.717b	ppb	0.2038	0.1	415.885
Pb 220.353	148.303b	ppb	3.7609	2.5	214.655
Sb 206.834	147.544b	ppb	2.9918	2.0	200.822
Se 196.026	156.178b	ppb	1.2546	0.8	65.1711
Sn 189.925	145.726b	ppb	1.8890	1.3	92.9338
Sr 216.596	233.947b	ppb	1.8642	0.8	2601.46
Ti 334.941	151.452b	ppb	0.4297	0.3	43069.1
Tl 190.794	27.5814b	ppb	2.7163	9.8	21.1670
V 292.401	154.714b	ppb	0.6678	0.4	3993.59
Zn 206.200	157.261b	ppb	2.1457	1.4	142.035

680-106101-c-14-f (Samp) **10/14/2014, 1:33:55 AM** **Rack 3, Tube 40**

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

Label	Replicates Concentration		
Ag 328.068	0.0467	-0.1028u	-0.0700u
Al 308.215	-0.3915u	0.8121	2.3367
As 188.980	-4.1484u	0.3422	-1.4525u
B 249.678	9.5034	9.1481	9.6997
Ba 389.178	117.668	117.537	118.272
Be 313.042	-0.0365u	-0.0408u	-0.0389u
Ca 370.602	108212	108655	108744
Cd 226.502	0.1684	0.3588	0.4468
Co 228.615	2.4543	1.9894	1.1332
Cr 267.716	0.2174	0.1078	0.1390
Cu 324.754	0.6126	0.1187	0.4609
Fe 271.441	2.6297	7.0632	2.2406
K 766.491	775.112	777.197	776.407
Mg 279.078	796.913	797.925	794.768
Mn 257.610	169.597	169.855	170.821
Mo 202.032	-0.1147u	-0.1374u	0.1884
Na 330.237	226786x	224908x	226166x
Ni 231.604	2.8261	1.5926	1.9470
Pb 220.353	-0.9329u	1.9480	-0.4985u
Sb 206.834	0.5079	0.2306	-0.4179u
Se 196.026	12.1213	3.3452	10.2683
Sn 189.925	-2.5643u	-0.2107u	-2.9873u
Sr 216.596	95.6968	95.7830	95.0362
Ti 334.941	0.1549	0.1724	0.1655
Tl 190.794	-2.0314u	-1.7973u	-3.2847u
V 292.401	-0.0152u	-0.1570u	0.1643
Zn 206.200	5.8214	7.6378	7.1874

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.0420b	ppb	0.0785	186.8	-18.6677
Al 308.215	0.9191b	ppb	1.3673	148.8	522.038

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
As 188.980	-1.7529b	ppb	2.2603	128.9	-6.1082
B 249.678	9.4504b	ppb	0.2796	3.0	179.691
Ba 389.178	117.826b	ppb	0.3921	0.3	2365.37
Be 313.042	-0.0387b	ppb	0.0022	5.6	-300.366
Ca 370.602	108537b	ppb	284.6	0.3	261791
Cd 226.502	0.3247b	ppb	0.1423	43.8	16.5323
Co 228.615	1.8590b	ppb	0.6702	36.1	17.2257
Cr 267.716	0.1547b	ppb	0.0565	36.5	44.5901
Cu 324.754	0.3974b	ppb	0.2530	63.7	267.410
Fe 271.441	3.9778b	ppb	2.6791	67.4	14.2953
K 766.491	776.239b	ppb	1.0525	0.1	34657.2
Mg 279.078	796.535b	ppb	1.6121	0.2	1978.50
Mn 257.610	170.091b	ppb	0.6451	0.4	35987.8
Mo 202.032	-0.0212b	ppb	0.1819	856.4	5.3164
Na 330.237	225953xb	ppb	957.032	0.4	11987.4
Ni 231.604	2.1219b	ppb	0.6351	29.9	-0.4474
Pb 220.353	0.1722b	ppb	1.5532	901.9	1.3368
Sb 206.834	0.1068b	ppb	0.4752	444.7	4.6033
Se 196.026	8.5783b	ppb	4.6257	53.9	5.6479
Sn 189.925	-1.9208b	ppb	1.4960	77.9	-4.6416
Sr 216.596	95.5053b	ppb	0.4085	0.4	1083.05
Ti 334.941	0.1643b	ppb	0.0088	5.4	-17.6842
Tl 190.794	-2.3711b	ppb	0.7998	33.7	-7.5250
V 292.401	-0.0026b	ppb	0.1611	6116.9	-6.3885
Zn 206.200	6.8822b	ppb	0.9459	13.7	7.0430

680-106101-c-15-f (Samp) **10/14/2014, 1:38:14 AM** **Rack 3, Tube 41**

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

Label	Replicates Concentration		
Ag 328.068	-0.1817u	0.0437u	-0.2382u
Al 308.215	3.2795	0.9198	1.6784
As 188.980	-3.3377u	2.5865	-7.0112u
B 249.678	15.0775	15.4819	15.0481
Ba 389.178	108.127	107.335	107.025
Be 313.042	-0.0361u	-0.0384u	-0.0368u
Ca 370.602	93384	93226	92976
Cd 226.502	0.8750	0.8451	0.7962
Co 228.615	3.0963	3.1097	3.5481
Cr 267.716	40.1677	40.2795	40.0056
Cu 324.754	32.8184	32.9824	33.1525
Fe 271.441	139.741	144.232	131.804
K 766.491	1048.74	1045.46	1046.95
Mg 279.078	857.101	854.070	852.122
Mn 257.610	176.758	176.287	176.044
Mo 202.032	12.5623	13.1496	12.6438
Na 330.237	203059x	202457x	202541x
Ni 231.604	116.326	113.128	113.951
Pb 220.353	1.0430	0.7119	2.1326
Sb 206.834	13.6291	13.2273	13.4234
Se 196.026	9.4388	8.6335	13.2362
Sn 189.925	-1.1197u	-0.7283u	0.2613
Sr 216.596	180.013	179.827	179.063
Ti 334.941	0.1417	0.1583	0.0904

Label	Replicates Concentration		
Tl 190.794	-3.4720u	-2.5358u	-1.4896u
V 292.401	0.2803	0.0385u	-0.0768u
Zn 206.200	39.8918	37.4841	39.1803

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.1254b	ppb	0.1491	118.9	-27.8327
Al 308.215	1.9592b	ppb	1.2047	61.5	529.981
As 188.980	-2.5875b	ppb	4.8427	187.2	-6.6031
B 249.678	15.2025b	ppb	0.2424	1.6	267.507
Ba 389.178	107.496b	ppb	0.5682	0.5	2153.05
Be 313.042	-0.0371b	ppb	0.0012	3.2	-301.949
Ca 370.602	93195b	ppb	205.3	0.2	224789
Cd 226.502	0.8388b	ppb	0.0398	4.7	36.4357
Co 228.615	3.2514b	ppb	0.2571	7.9	31.6105
Cr 267.716	40.1509b	ppb	0.1377	0.3	2055.01
Cu 324.754	32.9845b	ppb	0.1671	0.5	2618.75
Fe 271.441	138.593b	ppb	6.2930	4.5	206.109
K 766.491	1047.05b	ppb	1.6422	0.2	46679.8
Mg 279.078	854.431b	ppb	2.5090	0.3	2121.58
Mn 257.610	176.363b	ppb	0.3634	0.2	37313.7
Mo 202.032	12.7852b	ppb	0.3182	2.5	86.3095
Na 330.237	202686xb	ppb	326.358	0.2	10754.5
Ni 231.604	114.468b	ppb	1.6603	1.5	311.613
Pb 220.353	1.2958b	ppb	0.7433	57.4	2.9678
Sb 206.834	13.4266b	ppb	0.2009	1.5	22.5662
Se 196.026	10.4362b	ppb	2.4581	23.6	6.3943
Sn 189.925	-0.5289b	ppb	0.7118	134.6	-3.7283
Sr 216.596	179.634b	ppb	0.5035	0.3	1992.73
Ti 334.941	0.1301b	ppb	0.0354	27.2	-25.4334
Tl 190.794	-2.4991b	ppb	0.9917	39.7	-7.7024
V 292.401	0.0806b	ppb	0.1823	226.0	-7.7939
Zn 206.200	38.8520b	ppb	1.2370	3.2	35.8381

680-106129-b-1-c (Samp) **10/14/2014, 1:42:32 AM** **Rack 3, Tube 42**

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

Label	Replicates Concentration		
Ag 328.068	-0.1732u	0.0439	0.1492
Al 308.215	6.0570	5.8250	7.1287
As 188.980	-1.1509u	-6.5327u	-0.1392u
B 249.678	20.1596	20.0682	20.3719
Ba 389.178	72.3676	72.2610	71.8893
Be 313.042	-0.0187u	-0.0178u	-0.0230u
Ca 370.602	8737	8786	8779
Cd 226.502	0.2209	0.1665	0.1722
Co 228.615	5.7532	5.5572	5.3067
Cr 267.716	0.0020	-0.1086	0.0320
Cu 324.754	0.6075	0.3681	0.4269
Fe 271.441	8.7346	-1.6072u	0.2608
K 766.491	100.890	100.543	100.383
Mg 279.078	1954.73	1957.18	1958.70
Mn 257.610	3225.10	3238.06	3240.70
Mo 202.032	-0.1514u	-0.1791u	-0.2356u
Na 330.237	204670x	203890x	205080x

Label	Replicates Concentration		
Ni 231.604	3.9952	2.7696	4.1073
Pb 220.353	0.4735	0.2796	-0.1575
Sb 206.834	1.3215	-0.1915u	2.0579
Se 196.026	1.3739	-5.8691u	1.2812
Sn 189.925	-1.8333u	-3.5044u	-0.3497u
Sr 216.596	105.133	104.884	105.353
Ti 334.941	0.0023u	-0.0175u	-0.0124u
Tl 190.794	-3.3906u	-2.0007u	0.8972
V 292.401	-0.3169u	-0.1326u	-0.1317u
Zn 206.200	11.4532	13.3458	12.2983

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	0.0066b	ppb	0.1644	2475.4	-0.2054
Al 308.215	6.3369b	ppb	0.6955	11.0	558.295
As 188.980	-2.6076b	ppb	3.4367	131.8	-6.6109
B 249.678	20.1999b	ppb	0.1558	0.8	343.995
Ba 389.178	72.1726b	ppb	0.2511	0.3	1427.60
Be 313.042	-0.0198b	ppb	0.0028	14.1	-299.818
Ca 370.602	8767b	ppb	26.33	0.3	21229
Cd 226.502	0.1866b	ppb	0.0299	16.0	11.5073
Co 228.615	5.5390b	ppb	0.2238	4.0	55.8717
Cr 267.716	-0.0249b	ppb	0.0741	297.8	49.0469
Cu 324.754	0.4675b	ppb	0.1248	26.7	272.470
Fe 271.441	2.4627b	ppb	5.5113	223.8	12.5389
K 766.491	100.605b	ppb	0.2592	0.3	4663.05
Mg 279.078	1956.87b	ppb	2.0013	0.1	4790.90
Mn 257.610	3234.62b	ppb	8.3489	0.3	683425
Mo 202.032	-0.1887b	ppb	0.0430	22.8	4.2576
Na 330.237	204547xb	ppb	604.771	0.3	10853.7
Ni 231.604	3.6240b	ppb	0.7420	20.5	3.7169
Pb 220.353	0.1985b	ppb	0.3232	162.8	1.9506
Sb 206.834	1.0626b	ppb	1.1468	107.9	5.8788
Se 196.026	-1.0713b	ppb	4.1552	387.9	2.3983
Sn 189.925	-1.8958b	ppb	1.5783	83.3	-4.6313
Sr 216.596	105.123b	ppb	0.2345	0.2	1152.73
Ti 334.941	-0.0092b	ppb	0.0103	111.9	-63.3606
Tl 190.794	-1.4980b	ppb	2.1876	146.0	-5.2346
V 292.401	-0.1937b	ppb	0.1067	55.1	-11.1653
Zn 206.200	12.3658b	ppb	0.9481	7.7	12.0007

680-106129-b-2-c (Samp) **10/14/2014, 1:46:50 AM** **Rack 3, Tube 43**

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

Label	Replicates Concentration		
Ag 328.068	0.0612	0.0338u	0.3173
Al 308.215	-0.4525u	-0.0651u	1.2939
As 188.980	-0.4756u	-2.9579u	1.5400
B 249.678	44.7474	45.5335	44.8823
Ba 389.178	25.6919	26.4815	25.3402
Be 313.042	-0.0275u	-0.0264u	-0.0319u
Ca 370.602	52374	52367	52353
Cd 226.502	0.1825	0.2908	0.2641
Co 228.615	0.1819	0.4156	0.2066
Cr 267.716	0.1189	0.2606	0.2305

Label	Replicates Concentration		
Cu 324.754	0.1374	0.0876	0.2816
Fe 271.441	0.9363	6.0823	5.8741
K 766.491	694.742	695.066	694.206
Mg 279.078	898.762	891.323	896.850
Mn 257.610	1488.26	1487.06	1487.45
Mo 202.032	-0.4934u	-0.3702u	-0.5126u
Na 330.237	200564x	200502x	200136x
Ni 231.604	3.7717	3.6363	4.1678
Pb 220.353	3.2349	-1.1901u	-0.5574u
Sb 206.834	-1.7746u	-1.2711u	-0.5987u
Se 196.026	12.3010	7.8534	11.5995
Sn 189.925	-0.2815u	-0.1443u	-2.5010u
Sr 216.596	331.246	328.731	329.126
Ti 334.941	0.0951	0.0882	0.0850
Tl 190.794	-1.9641u	-4.7265u	-1.0721u
V 292.401	-0.5785u	-0.0718u	-0.2673u
Zn 206.200	17.6800	17.5385	16.9753

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	0.1375b	ppb	0.1564	113.8	-5.5553
Al 308.215	0.2587b	ppb	0.9171	354.4	517.571
As 188.980	-0.6312b	ppb	2.2530	357.0	-5.4482
B 249.678	45.0544b	ppb	0.4203	0.9	723.835
Ba 389.178	25.8379b	ppb	0.5845	2.3	472.988
Be 313.042	-0.0286b	ppb	0.0029	10.2	-299.392
Ca 370.602	52365b	ppb	11.04	0.0	126341
Cd 226.502	0.2458b	ppb	0.0564	22.9	13.7246
Co 228.615	0.2680b	ppb	0.1284	47.9	0.5269
Cr 267.716	0.2033b	ppb	0.0747	36.7	52.5326
Cu 324.754	0.1689b	ppb	0.1008	59.7	250.917
Fe 271.441	4.2976b	ppb	2.9128	67.8	14.5546
K 766.491	694.671b	ppb	0.4339	0.1	31036.1
Mg 279.078	895.645b	ppb	3.8629	0.4	2198.83
Mn 257.610	1487.59b	ppb	0.6130	0.0	314331
Mo 202.032	-0.4587b	ppb	0.0773	16.8	2.5497
Na 330.237	200401xb	ppb	231.149	0.1	10634.1
Ni 231.604	3.8586b	ppb	0.2762	7.2	4.3804
Pb 220.353	0.4958b	ppb	2.3931	482.7	2.0539
Sb 206.834	-1.2148b	ppb	0.5900	48.6	2.8509
Se 196.026	10.5846b	ppb	2.3912	22.6	6.7157
Sn 189.925	-0.9756b	ppb	1.3228	135.6	-4.0242
Sr 216.596	329.701b	ppb	1.3525	0.4	3618.00
Ti 334.941	0.0894b	ppb	0.0052	5.8	-36.8071
Tl 190.794	-2.5876b	ppb	1.9053	73.6	-7.1345
V 292.401	-0.3059b	ppb	0.2556	83.6	-14.0273
Zn 206.200	17.3979b	ppb	0.3728	2.1	16.5500

680-106129-a-3-c (Samp) **10/14/2014, 1:51:08 AM** **Rack 3, Tube 44**

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

Label	Replicates Concentration		
Ag 328.068	-0.1736u	-0.4465u	0.0344u
Al 308.215	9.4030	10.8081	9.5284
As 188.980	0.6164	-0.4039u	-0.7059u

Label	Replicates Concentration		
B 249.678	213.322	214.616	214.548
Ba 389.178	92.5280	92.3768	91.9127
Be 313.042	-0.0252u	-0.0273u	-0.0238u
Ca 370.602	24341	24366	24341
Cd 226.502	0.4850	0.3334	0.3973
Co 228.615	1.3156	0.9474	0.9597
Cr 267.716	0.1277	0.1823	0.3133
Cu 324.754	0.3608	0.1718	0.2166
Fe 271.441	1.2047	-4.3740u	10.4995
K 766.491	278.623	277.138	277.516
Mg 279.078	5418.48	5423.56	5398.13
Mn 257.610	322.408	322.382	321.837
Mo 202.032	0.2357	0.2452	0.7137
Na 330.237	194148x	195287x	194680x
Ni 231.604	3.1540	2.5135	1.9240
Pb 220.353	-0.5897u	0.9709	1.2737
Sb 206.834	-1.3889u	0.0980	-0.7399u
Se 196.026	3.3305	3.8228	7.4704
Sn 189.925	-0.4076u	-1.4786u	0.7086
Sr 216.596	377.634	378.320	377.225
Ti 334.941	0.0029u	-0.0268u	0.0320
Tl 190.794	-3.7245u	-0.2398u	-0.9789u
V 292.401	-0.1070u	0.1433	-0.0976u
Zn 206.200	4.1145	3.3008	5.2774

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.1953b	ppb	0.2412	123.5	-38.7742
Al 308.215	9.9131b	ppb	0.7776	7.8	582.347
As 188.980	-0.1645b	ppb	0.6929	421.3	-5.1738
B 249.678	214.162b	ppb	0.7283	0.3	3308.38
Ba 389.178	92.2725b	ppb	0.3207	0.3	1845.64
Be 313.042	-0.0254b	ppb	0.0018	7.0	-302.518
Ca 370.602	24349b	ppb	14.74	0.1	58748
Cd 226.502	0.4052b	ppb	0.0761	18.8	19.7764
Co 228.615	1.0742b	ppb	0.2091	19.5	8.9707
Cr 267.716	0.2078b	ppb	0.0954	45.9	47.3611
Cu 324.754	0.2497b	ppb	0.0987	39.5	256.776
Fe 271.441	2.4434b	ppb	7.5137	307.5	12.0231
K 766.491	277.759b	ppb	0.7716	0.3	12527.6
Mg 279.078	5413.39b	ppb	13.4597	0.2	13395.5
Mn 257.610	322.209b	ppb	0.3223	0.1	68158.9
Mo 202.032	0.3982b	ppb	0.2733	68.6	7.9695
Na 330.237	194705xb	ppb	569.784	0.3	10332.7
Ni 231.604	2.5305b	ppb	0.6152	24.3	0.6892
Pb 220.353	0.5516b	ppb	1.0000	181.3	1.9138
Sb 206.834	-0.6769b	ppb	0.7454	110.1	3.5528
Se 196.026	4.8746b	ppb	2.2615	46.4	4.1954
Sn 189.925	-0.3925b	ppb	1.0937	278.6	-3.6405
Sr 216.596	377.727b	ppb	0.5532	0.1	4132.06
Ti 334.941	0.0027b	ppb	0.0294	1095.9	-53.1703
Tl 190.794	-1.6477b	ppb	1.8361	111.4	-6.7418
V 292.401	-0.0204b	ppb	0.1419	694.3	-6.6383
Zn 206.200	4.2309b	ppb	0.9934	23.5	4.6459

CRI (Samp) **10/14/2014, 1:55:26 AM** **Rack 3, Tube 45**

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

Label	Replicates Concentration		
Ag 328.068	10.9539	10.8583	10.7006
Al 308.215	199.316	195.687	195.729
As 188.980	18.7730	20.7860	22.0653
B 249.678	108.332	107.803	107.231
Ba 389.178	10.3819	9.7587	10.1061
Be 313.042	4.2012	4.1927	4.1669
Ca 370.602	518.1	512.4	511.9
Cd 226.502	5.5748	5.3501	5.3858
Co 228.615	10.8659	10.3657	10.3256
Cr 267.716	10.3675	10.1419	10.3691
Cu 324.754	22.0204	21.6541	21.5692
Fe 271.441	50.1096	53.7414	56.0708
K 766.491	1077.36	1072.40	1062.26
Mg 279.078	528.947	521.737	520.995
Mn 257.610	11.0697	11.0511	11.0248
Mo 202.032	10.5994	10.2963	10.2156
Na 330.237	1025.41	948.301	1232.18
Ni 231.604	43.4003	42.3520	43.6894
Pb 220.353	9.0391	12.2446	11.0318
Sb 206.834	22.2053	17.6697	23.1580
Se 196.026	27.0060	20.3554	17.4243
Sn 189.925	51.9049	52.8336	49.7162
Sr 216.596	9.6511	10.0158	10.2983
Ti 334.941	10.2642	10.3096	10.2731
Tl 190.794	26.2293	25.6036	30.0157
V 292.401	10.4162	10.2907	10.3853
Zn 206.200	22.2400	21.7860	22.1863

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	10.8376	ppb	0.1279	1.2	836.948
Al 308.215	196.911	ppb	2.0833	1.1	1837.41
As 188.980	20.5414	ppb	1.6597	8.1	7.0051
B 249.678	107.789	ppb	0.5504	0.5	1682.82
Ba 389.178	10.0822	ppb	0.3123	3.1	148.476
Be 313.042	4.1869	ppb	0.0178	0.4	6625.44
Ca 370.602	514.1	ppb	3.423	0.7	1257
Cd 226.502	5.4369	ppb	0.1208	2.2	209.269
Co 228.615	10.5191	ppb	0.3010	2.9	108.094
Cr 267.716	10.2928	ppb	0.1307	1.3	549.270
Cu 324.754	21.7479	ppb	0.2398	1.1	1807.89
Fe 271.441	53.3073	ppb	3.0042	5.6	85.5540
K 766.491	1070.67	ppb	7.6945	0.7	47728.5
Mg 279.078	523.893	ppb	4.3925	0.8	1307.04
Mn 257.610	11.0485	ppb	0.0225	0.2	2385.47
Mo 202.032	10.3704	ppb	0.2023	2.0	71.0297
Na 330.237	1068.63	ppb	146.790	13.7	78.1020
Ni 231.604	43.1472	ppb	0.7037	1.6	113.490
Pb 220.353	10.7718	ppb	1.6185	15.0	16.6130
Sb 206.834	21.0110	ppb	2.9326	14.0	32.4082
Se 196.026	21.5952	ppb	4.9097	22.7	10.8291
Sn 189.925	51.4849	ppb	1.6006	3.1	30.5918
Sr 216.596	9.9884	ppb	0.3244	3.2	110.968

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ti 334.941	10.2823	ppb	0.0241	0.2	2879.25
Tl 190.794	27.2829	ppb	2.3873	8.8	21.7595
V 292.401	10.3640	ppb	0.0654	0.6	262.884
Zn 206.200	22.0708	ppb	0.2481	1.1	20.7472

mb 680-353147/1-a (Samp) **10/14/2014, 1:59:44 AM** **Rack 3, Tube 46**

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

Label	Replicates Concentration		
Ag 328.068	-0.2741u	0.1423	-0.0402u
Al 308.215	-6.7851u	-5.0714u	-4.4195u
As 188.980	-1.8927u	-0.8819u	1.2089
B 249.678	3.6284	4.2987	3.9657
Ba 389.178	-0.2621u	1.0538	0.2202
Be 313.042	-0.0219u	-0.0195u	-0.0245u
Ca 370.602	15.65	15.85	12.01
Cd 226.502	0.3212	0.0166	0.1696
Co 228.615	0.5596	1.0782	0.3045
Cr 267.716	0.6019	0.7733	0.7853
Cu 324.754	0.1329	0.3608	0.3518
Fe 271.441	12.3095	8.7480	8.0168
K 766.491	12.5716	12.8200	12.5827
Mg 279.078	6.1531	7.9892	6.5601
Mn 257.610	0.2225	0.2052	0.2029
Mo 202.032	0.3926	0.2944	0.3941
Na 330.237	3.1198	100.261	92.6578
Ni 231.604	1.6652	2.0115	2.0040
Pb 220.353	-0.2309u	-0.1755u	0.3820
Sb 206.834	-0.7925u	-3.7184u	1.3656
Se 196.026	3.2258	1.6232	-8.3834u
Sn 189.925	6.7751	6.1322	7.0971
Sr 216.596	0.0505	-0.1141u	0.0301
Ti 334.941	0.1395	0.1610	0.1944
Tl 190.794	-2.1883u	1.7248	3.2695
V 292.401	0.1646	0.0455	0.0187
Zn 206.200	3.0607	2.0852	3.2161

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.0573	ppb	0.2087	364.0	-17.3419
Al 308.215	-5.4253	ppb	1.2219	22.5	479.556
As 188.980	-0.5219	ppb	1.5818	303.1	-5.3843
B 249.678	3.9643	ppb	0.3352	8.5	95.8227
Ba 389.178	0.3373	ppb	0.6657	197.4	-52.7659
Be 313.042	-0.0220	ppb	0.0025	11.2	-284.917
Ca 370.602	14.50	ppb	2.163	14.9	48.76
Cd 226.502	0.1691	ppb	0.1523	90.1	11.9972
Co 228.615	0.6474	ppb	0.3943	60.9	4.4902
Cr 267.716	0.7202	ppb	0.1026	14.3	68.0604
Cu 324.754	0.2818	ppb	0.1291	45.8	259.095
Fe 271.441	9.6914	ppb	2.2966	23.7	22.2969
K 766.491	12.6581	ppb	0.1403	1.1	758.712
Mg 279.078	6.9008	ppb	0.9643	14.0	28.5224
Mn 257.610	0.2102	ppb	0.0107	5.1	91.6892
Mo 202.032	0.3604	ppb	0.0572	15.9	7.7297

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Na 330.237	65.3464	ppb	54.0237	82.7	25.4383
Ni 231.604	1.8936	ppb	0.1978	10.4	-1.0783
Pb 220.353	-0.0082	ppb	0.3390	4158.5	1.0437
Sb 206.834	-1.0484	ppb	2.5517	243.4	3.0651
Se 196.026	-1.1781	ppb	6.2911	534.0	1.7070
Sn 189.925	6.6681	ppb	0.4913	7.4	0.9714
Sr 216.596	-0.0111	ppb	0.0897	804.7	2.8027
Ti 334.941	0.1650	ppb	0.0277	16.8	-1.0444
Tl 190.794	0.9353	ppb	2.8132	300.8	-4.3358
V 292.401	0.0763	ppb	0.0777	101.8	-2.7408
Zn 206.200	2.7874	ppb	0.6130	22.0	3.3394

lcs 680-353147/2- (Samp) **10/14/2014, 2:04:02 AM** **Rack 3, Tube 47**

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

Label	Replicates Concentration		
Ag 328.068	48.9839	48.9189	48.7885
Al 308.215	4745.34	4740.73	4731.29
As 188.980	99.5756	95.0673	96.3694
B 249.678	190.033	191.284	191.481
Ba 389.178	96.9350	96.6359	97.3670
Be 313.042	49.9444	50.0368	49.9045
Ca 370.602	4737	4728	4724
Cd 226.502	50.5504	50.0802	50.3736
Co 228.615	49.9803	50.1728	51.0452
Cr 267.716	98.9114	99.1012	98.6741
Cu 324.754	99.5007	100.751	99.6156
Fe 271.441	4928.93	4935.42	4916.09
K 766.491	4902.07	4915.70	4906.90
Mg 279.078	4812.45	4811.18	4797.96
Mn 257.610	506.714	506.640	505.067
Mo 202.032	95.4867	96.2708	95.5739
Na 330.237	4730.17	4645.47	4757.04
Ni 231.604	101.828	100.162	101.467
Pb 220.353	491.640	482.760	490.428
Sb 206.834	45.2371	46.7301	44.8525
Se 196.026	105.362	86.2671	94.7833
Sn 189.925	203.860	194.684	199.031
Sr 216.596	95.9435	96.5428	96.5609
Ti 334.941	97.6751	97.6965	97.6137
Tl 190.794	33.7987	40.3820	41.6102
V 292.401	98.2670	98.5472	97.8699
Zn 206.200	100.534	102.285	101.001

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	48.8971	ppb	0.0995	0.2	3821.19
Al 308.215	4739.12	ppb	7.1625	0.2	32305.2
As 188.980	97.0041	ppb	2.3202	2.4	51.9760
B 249.678	190.932	ppb	0.7851	0.4	2943.58
Ba 389.178	96.9793	ppb	0.3676	0.4	1944.79
Be 313.042	49.9619	ppb	0.0679	0.1	81783.2
Ca 370.602	4730	ppb	6.655	0.1	11419
Cd 226.502	50.3348	ppb	0.2375	0.5	1908.67
Co 228.615	50.3994	ppb	0.5675	1.1	526.816

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Cr 267.716	98.8956	ppb	0.2140	0.2	5007.04
Cu 324.754	99.9558	ppb	0.6911	0.7	7453.87
Fe 271.441	4926.82	ppb	9.8367	0.2	7027.65
K 766.491	4908.23	ppb	6.9110	0.1	218093
Mg 279.078	4807.20	ppb	8.0235	0.2	11891.0
Mn 257.610	506.140	ppb	0.9300	0.2	107028
Mo 202.032	95.7771	ppb	0.4297	0.4	610.915
Na 330.237	4710.89	ppb	58.2277	1.2	267.762
Ni 231.604	101.152	ppb	0.8764	0.9	274.890
Pb 220.353	488.276	ppb	4.8153	1.0	706.628
Sb 206.834	45.6066	ppb	0.9918	2.2	64.9414
Se 196.026	95.4708	ppb	9.5660	10.0	40.5502
Sn 189.925	199.192	ppb	4.5904	2.3	128.215
Sr 216.596	96.3491	ppb	0.3513	0.4	1057.39
Ti 334.941	97.6618	ppb	0.0430	0.0	27756.0
Tl 190.794	38.5970	ppb	4.2005	10.9	32.5713
V 292.401	98.2281	ppb	0.3403	0.3	2532.78
Zn 206.200	101.273	ppb	0.9066	0.9	91.9378

680-106169-b-21-a (Samp) **10/14/2014, 2:08:20 AM** **Rack 3, Tube 48**

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

Label	Replicates Concentration		
Ag 328.068	5.2899	5.5636	4.6184
Al 308.215	57316.4	57258.3	57217.7
As 188.980	239.193	248.130	237.782
B 249.678	199.075	199.481	200.324
Ba 389.178	1922.16	1921.54	1919.00
Be 313.042	4.9144	4.8944	4.9042
Ca 370.602	470342	471901	469425
Cd 226.502	47.2362	47.9638	47.7292
Co 228.615	67.1762	66.4662	66.8194
Cr 267.716	431.846	430.361	430.998
Cu 324.754	3449.76	3509.64	3423.48
Fe 271.441	298729	297685	298185
K 766.491	4545.88	4546.59	4549.11
Mg 279.078	65199.4	65095.0	65129.3
Mn 257.610	4317.47	4313.23	4301.75
Mo 202.032	41.7537	42.3313	43.7635
Na 330.237	3306.50u	3609.88u	3294.51u
Ni 231.604	268.083	268.158	268.485
Pb 220.353	3966.19	3957.37	3959.85
Sb 206.834	62.5015	67.3340	65.1411
Se 196.026	23.0816	-5.6205	3.9288
Sn 189.925	150.369	154.903	141.556
Sr 216.596	436.560	435.392	435.020
Ti 334.941	743.048	740.974	740.140
Tl 190.794	-14.3418u	-8.3781u	-11.2481u
V 292.401	185.970	185.646	185.876
Zn 206.200	13860.9	13839.3	13844.0

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	5.1573	ppb	0.4863	9.4	349.519
Al 308.215	57264.2	ppb	49.5921	0.1	384877

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
As 188.980	241.701	ppb	5.6118	2.3	135.909
B 249.678	199.627	ppb	0.6368	0.3	2457.74
Ba 389.178	1920.90	ppb	1.6724	0.1	39694.7
Be 313.042	4.9043	ppb	0.0100	0.2	7950.63
Ca 370.602	470556	ppb	1252	0.3	1132270
Cd 226.502	47.6431	ppb	0.3714	0.8	2980.51
Co 228.615	66.8206	ppb	0.3550	0.5	732.081
Cr 267.716	431.068	ppb	0.7451	0.2	21854.2
Cu 324.754	3460.96	ppb	44.1582	1.3	250031
Fe 271.441	298200	ppb	522.209	0.2	424470
K 766.491	4547.19	ppb	1.6972	0.0	202066
Mg 279.078	65141.3	ppb	53.2207	0.1	161038
Mn 257.610	4310.82	ppb	8.1335	0.2	912134
Mo 202.032	42.6162	ppb	1.0348	2.4	261.863
Na 330.237	3403.63	ppb	178.719	5.3	-185.137
Ni 231.604	268.242	ppb	0.2139	0.1	761.332
Pb 220.353	3961.14	ppb	4.5476	0.1	5709.85
Sb 206.834	64.9922	ppb	2.4197	3.7	104.027
Se 196.026	7.1300	ppb	14.6164	205.0	8.2405
Sn 189.925	148.943	ppb	6.7869	4.6	95.0020
Sr 216.596	435.657	ppb	0.8034	0.2	5232.13
Ti 334.941	741.387	ppb	1.4977	0.2	211107
Tl 190.794	-11.3227	ppb	2.9825	26.3	-50.2678
V 292.401	185.831	ppb	0.1670	0.1	4919.54
Zn 206.200	13848.1	ppb	11.3601	0.1	12508.4

Cont Calib Verif (CCV) **10/14/2014, 2:12:38 AM** **Rack 3, Tube 49**

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

Label	Replicates Concentration		
Ag 328.068	503.323	502.827	502.782
Al 308.215	4839.68	4851.87	4845.78
As 188.980	477.880	474.726	476.758
B 249.678	494.706	497.600	498.948
Ba 389.178	4865.91	4870.90	4872.37
Be 313.042	489.443	493.198	490.239
Ca 370.602	4895	4909	4925
Cd 226.502	501.053	503.046	499.962
Co 228.615	500.603	502.557	500.521
Cr 267.716	4874.07	4890.61	4883.49
Cu 324.754	5010.36	4942.67	4980.90
Fe 271.441	5011.36	5021.58	5038.82
K 766.491	9956.05	9943.09	9953.47
Mg 279.078	4917.33	4927.45	4911.45
Mn 257.610	4984.16	4991.29	4983.77
Mo 202.032	484.339	483.308	482.981
Na 330.237	7709.68	7689.23	7657.65
Ni 231.604	2518.07	2511.20	2518.65
Pb 220.353	490.103	493.094	494.479
Sb 206.834	958.353	951.752	952.190
Se 196.026	4867.48	4868.27	4888.37
Sn 189.925	4984.44	4995.66	4979.11
Sr 216.596	2472.69	2484.62	2475.88
Ti 334.941	482.029	482.850	482.562

Label	Replicates Concentration		
Tl 190.794	4951.04	4978.72	4968.49
V 292.401	4869.38	4882.48	4884.03
Zn 206.200	2479.27	2495.70	2482.23

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Ag 328.068	502.977	ppb	0.3002	0.1	39393.9	100.59538
Al 308.215	4845.78	ppb	6.0947	0.1	33514.0	96.91557
As 188.980	476.455	ppb	1.5988	0.3	275.085	95.29099
B 249.678	497.085	ppb	2.1674	0.4	7634.88	99.41697
Ba 389.178	4869.73	ppb	3.3847	0.1	100147	97.39455
Be 313.042	490.960	ppb	1.9787	0.4	806100	98.19205
Ca 370.602	4910	ppb	15.16	0.3	12128	98.19918
Cd 226.502	501.354	ppb	1.5639	0.3	18784.4	100.27072
Co 228.615	501.227	ppb	1.1523	0.2	5265.90	100.24540
Cr 267.716	4882.72	ppb	8.2940	0.2	245478	97.65450
Cu 324.754	4977.98	ppb	33.9415	0.7	359291	99.55955
Fe 271.441	5023.92	ppb	13.8780	0.3	7259.02	100.47841
K 766.491	9950.87	ppb	6.8617	0.1	441957	99.50870
Mg 279.078	4918.74	ppb	8.0924	0.2	12082.3	98.37480
Mn 257.610	4986.40	ppb	4.2351	0.1	1053556	99.72807
Mo 202.032	483.543	ppb	0.7088	0.1	3058.63	96.70855
Na 330.237	7685.52	ppb	26.2140	0.3	371.773	102.47358
Ni 231.604	2515.98	ppb	4.1431	0.2	6981.33	100.63901
Pb 220.353	492.559	ppb	2.2369	0.5	716.471	98.51173
Sb 206.834	954.099	ppb	3.6913	0.4	1322.00	95.40986
Se 196.026	4874.71	ppb	11.8373	0.2	1955.29	97.49413
Sn 189.925	4986.40	ppb	8.4465	0.2	3292.16	99.72806
Sr 216.596	2477.73	ppb	6.1802	0.2	26971.7	99.10914
Ti 334.941	482.480	ppb	0.4164	0.1	137278	96.49606
Tl 190.794	4966.09	ppb	13.9949	0.3	4920.01	99.32173
V 292.401	4878.63	ppb	8.0472	0.2	126559	97.57262
Zn 206.200	2485.73	ppb	8.7535	0.4	2235.27	99.42935

Cont Calib Blank (CCB) **10/14/2014, 2:16:56 AM** **Rack 3, Tube 50**

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

Label	Replicates Concentration		
Ag 328.068	0.0774	0.2731	0.1014
Al 308.215	-5.1974u	-5.9763u	-5.1204u
As 188.980	2.3091	3.2061	-0.9566u
B 249.678	10.7072	8.9138	8.3238
Ba 389.178	0.3972	-0.1227u	0.2257
Be 313.042	0.0009	-0.0001u	0.0038
Ca 370.602	9.922	13.65	8.898
Cd 226.502	0.3129	0.2902	0.3818
Co 228.615	0.4525	0.4270	0.0177
Cr 267.716	0.3512	0.3713	0.4485
Cu 324.754	0.7066	0.4660	0.6019
Fe 271.441	9.0841	4.0546	5.5531
K 766.491	1.8264	2.2009	1.7241
Mg 279.078	3.3505	7.1072	5.4505
Mn 257.610	0.3230	0.3580	0.3332
Mo 202.032	0.7330	0.3301	0.4523
Na 330.237	-61.8984u	27.3696	28.5845

Label	Replicates Concentration		
Ni 231.604	1.2518	0.6702	0.3778
Pb 220.353	2.3314	2.4316	1.0345
Sb 206.834	-2.4022u	-0.4416u	0.0843
Se 196.026	7.6398	0.5353	-0.7802u
Sn 189.925	0.8053	-1.4399u	-0.5734u
Sr 216.596	0.1854	0.1248	0.2660
Ti 334.941	0.0530	0.0764	0.0745
Tl 190.794	2.3595	1.9383	2.9256
V 292.401	0.4067	0.1546	0.1843
Zn 206.200	-0.0812u	-0.2677u	1.0242

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Ag 328.068	0.1506	ppb	0.1067	70.8	-1.0356	0.15063
Al 308.215	-5.4314	ppb	0.4735	8.7	479.529	-5.43136
As 188.980	1.5195	ppb	2.1908	144.2	-4.1834	1.51954
B 249.678	9.3149	ppb	1.2413	13.3	177.601	9.31493
Ba 389.178	0.1667	ppb	0.2649	158.9	-56.2809	0.16672
Be 313.042	0.0016	ppb	0.0020	130.1	-246.270	0.00156
Ca 370.602	10.82	ppb	2.501	23.1	39.92	10.82320
Cd 226.502	0.3283	ppb	0.0477	14.5	17.9266	0.32828
Co 228.615	0.2991	ppb	0.2440	81.6	0.8305	0.29908
Cr 267.716	0.3904	ppb	0.0514	13.2	51.4726	0.39035
Cu 324.754	0.5915	ppb	0.1206	20.4	281.436	0.59153
Fe 271.441	6.2306	ppb	2.5823	41.4	17.3279	6.23062
K 766.491	1.9171	ppb	0.2510	13.1	281.876	1.91711
Mg 279.078	5.3027	ppb	1.8827	35.5	24.5671	5.30274
Mn 257.610	0.3381	ppb	0.0180	5.3	118.665	0.33805
Mo 202.032	0.5051	ppb	0.2066	40.9	8.6453	0.50512
Na 330.237	-1.9814	ppb	51.8932	2619.0	21.9228	-1.98143
Ni 231.604	0.7666	ppb	0.4449	58.0	-4.2081	0.76661
Pb 220.353	1.9325	ppb	0.7793	40.3	3.8497	1.93251
Sb 206.834	-0.9198	ppb	1.3104	142.5	3.2290	-0.91981
Se 196.026	2.4650	ppb	4.5296	183.8	3.1658	2.46497
Sn 189.925	-0.4027	ppb	1.1323	281.2	-3.7018	-0.40268
Sr 216.596	0.1921	ppb	0.0708	36.9	5.0299	0.19206
Ti 334.941	0.0679	ppb	0.0130	19.1	-28.6551	0.06795
Tl 190.794	2.4078	ppb	0.4954	20.6	-2.8785	2.40776
V 292.401	0.2485	ppb	0.1378	55.5	1.7282	0.24854
Zn 206.200	0.2251	ppb	0.6983	310.2	1.0239	0.22511

680-106169-b-21-aSD (Samp) **10/14/2014, 2:21:14 AM** **Rack 3, Tube 51**

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

Label	Replicates Concentration		
Ag 328.068	0.9352	1.1734	1.1706
Al 308.215	11013.9	11000.9	11021.3
As 188.980	43.9650	50.1258	44.8911
B 249.678	43.2535	43.5557	44.2162
Ba 389.178	397.971	396.929	398.647
Be 313.042	0.9652	0.9612	0.9677
Ca 370.602	96918	96882	96914
Cd 226.502	9.7301	9.8300	9.8749
Co 228.615	13.5079	13.7464	14.7260
Cr 267.716	90.8378	90.5138	90.8907

Label	Replicates Concentration		
Cu 324.754	684.603	686.590	684.291
Fe 271.441	62350.1	62404.3	62352.1
K 766.491	741.820	742.226	740.843
Mg 279.078	13541.6	13455.5	13472.5
Mn 257.610	926.899	926.655	926.299
Mo 202.032	8.9721	9.5983	9.2387
Na 330.237	682.058u	816.983u	901.710u
Ni 231.604	57.8844	59.1784	56.4659
Pb 220.353	848.856	839.174	846.684
Sb 206.834	9.4742	11.5805	14.2546
Se 196.026	12.1577	6.2258	1.2204
Sn 189.925	30.4487	26.3388	32.2777
Sr 216.596	92.0440	91.5477	89.8700
Ti 334.941	154.052	154.015	154.127
Tl 190.794	-2.1524u	-1.0716u	-4.1530u
V 292.401	38.6337	38.1212	38.3582
Zn 206.200	3001.47	2997.16	3007.19

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	1.0931	ppb	0.1367	12.5	64.2063
Al 308.215	11012.0	ppb	10.3546	0.1	74438.1
As 188.980	46.3273	ppb	3.3220	7.2	21.9160
B 249.678	43.6751	ppb	0.4923	1.1	571.345
Ba 389.178	397.849	ppb	0.8657	0.2	8174.30
Be 313.042	0.9647	ppb	0.0033	0.3	1365.27
Ca 370.602	96905	ppb	19.41	0.0	233179
Cd 226.502	9.8117	ppb	0.0741	0.8	621.987
Co 228.615	13.9934	ppb	0.6455	4.6	151.448
Cr 267.716	90.7474	ppb	0.2041	0.2	4625.71
Cu 324.754	685.161	ppb	1.2470	0.2	49691.1
Fe 271.441	62368.9	ppb	30.6993	0.0	88785.1
K 766.491	741.629	ppb	0.7108	0.1	33120.8
Mg 279.078	13489.9	ppb	45.6193	0.3	33357.5
Mn 257.610	926.618	ppb	0.3020	0.0	196093
Mo 202.032	9.2697	ppb	0.3143	3.4	61.3365
Na 330.237	800.250	ppb	110.778	13.8	-18.9613
Ni 231.604	57.8429	ppb	1.3567	2.3	159.052
Pb 220.353	844.905	ppb	5.0800	0.6	1218.83
Sb 206.834	11.7698	ppb	2.3958	20.4	22.8488
Se 196.026	6.5346	ppb	5.4752	83.8	5.4707
Sn 189.925	29.6884	ppb	3.0416	10.2	16.1857
Sr 216.596	91.1539	ppb	1.1393	1.2	1096.44
Ti 334.941	154.065	ppb	0.0569	0.0	43831.1
Tl 190.794	-2.4590	ppb	1.5635	63.6	-14.7520
V 292.401	38.3710	ppb	0.2565	0.7	1012.26
Zn 206.200	3001.94	ppb	5.0321	0.2	2712.28

680-106169-b-21-aPDS (Samp) **10/14/2014, 2:25:32 AM** **Rack 3, Tube 52**

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

Label	Replicates Concentration		
Ag 328.068	104.197	103.043	104.364
Al 308.215	58294.9	58195.9	58356.3
As 188.980	339.827	341.780	337.927

Label	Replicates Concentration		
B 249.678	391.372	389.697	394.245
Ba 389.178	1980.78	1980.14	1983.38
Be 313.042	98.7946	98.9621	98.8676
Ca 370.602	478107	476327	476867
Cd 226.502	139.814	140.026	140.354
Co 228.615	159.123	159.488	157.109
Cr 267.716	519.858	520.354	519.450
Cu 324.754	3515.81	3560.17	3561.32
Fe 271.441	304516	304981	304423
K 766.491	17309.3	17391.4	17319.2
Mg 279.078	74409.4	74387.9	74434.6
Mn 257.610	5229.03	5240.45	5206.88
Mo 202.032	134.105	134.847	134.204
Na 330.237	13151.2	13056.0	13109.1
Ni 231.604	354.229	354.783	356.919
Pb 220.353	4027.06	4013.61	4014.61
Sb 206.834	161.954	163.444	158.402
Se 196.026	96.4425	108.506	103.549
Sn 189.925	238.570	244.331	238.715
Sr 216.596	524.406	523.648	521.991
Ti 334.941	830.695	832.455	833.489
Tl 190.794	6.5636u	4.4959u	7.9854u
V 292.401	276.496	277.569	276.552
Zn 206.200	13796.2	13796.1	13782.9

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	103.868	ppb	0.7198	0.7	8092.66
Al 308.215	58282.4	ppb	80.9126	0.1	391726
As 188.980	339.845	ppb	1.9263	0.6	193.590
B 249.678	391.772	ppb	2.3001	0.6	5382.30
Ba 389.178	1981.43	ppb	1.7156	0.1	40955.8
Be 313.042	98.8748	ppb	0.0840	0.1	162245
Ca 370.602	477100	ppb	912.4	0.2	1148043
Cd 226.502	140.065	ppb	0.2723	0.2	6463.92
Co 228.615	158.573	ppb	1.2810	0.8	1695.55
Cr 267.716	519.888	ppb	0.4526	0.1	26324.9
Cu 324.754	3545.77	ppb	25.9496	0.7	256154
Fe 271.441	304640	ppb	299.156	0.1	433648
K 766.491	17340.0	ppb	44.7857	0.3	769990
Mg 279.078	74410.6	ppb	23.3844	0.0	183949
Mn 257.610	5225.46	ppb	17.0655	0.3	1105454
Mo 202.032	134.385	ppb	0.4026	0.3	841.923
Na 330.237	13105.4	ppb	47.7175	0.4	328.194
Ni 231.604	355.310	ppb	1.4202	0.4	1003.45
Pb 220.353	4018.43	ppb	7.4962	0.2	5792.33
Sb 206.834	161.267	ppb	2.5906	1.6	232.038
Se 196.026	102.833	ppb	6.0637	5.9	46.7968
Sn 189.925	240.539	ppb	3.2854	1.4	155.542
Sr 216.596	523.348	ppb	1.2348	0.2	6193.83
Ti 334.941	832.213	ppb	1.4125	0.2	236972
Tl 190.794	6.3483	ppb	1.7547	27.6	-33.0177
V 292.401	276.872	ppb	0.6037	0.2	7271.68
Zn 206.200	13791.7	ppb	7.6260	0.1	12457.0

680-106169-b-21-bMS (Samp) **10/14/2014, 2:29:51 AM** **Rack 3, Tube 53**

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

Label	Replicates Concentration		
Ag 328.068	61.0322	60.3169	60.6580
Al 308.215	112964	112894	112897
As 188.980	301.460	290.003	287.794
B 249.678	520.837	520.201	522.682
Ba 389.178	2370.80	2368.30	2369.61
Be 313.042	54.4785	54.3375	54.4204
Ca 370.602	629168	621536	628651
Cd 226.502	129.473	129.635	129.146
Co 228.615	153.600	153.784	154.813
Cr 267.716	876.446	873.229	876.253
Cu 324.754	6016.52	5985.75	5939.94
Fe 271.441	477302	475453	477550
K 766.491	14703.0	14658.1	14669.9
Mg 279.078	54887.3	54824.9	54778.4
Mn 257.610	7363.04	7350.09	7378.70
Mo 202.032	172.805	173.895	173.555
Na 330.237	10804.1u	10896.2u	10911.7u
Ni 231.604	617.293	616.273	614.331
Pb 220.353	6885.53	6860.48	6854.79
Sb 206.834	76.9109	79.8659	80.5348
Se 196.026	104.106	92.5323	114.006
Sn 189.925	540.166	539.640	541.506
Sr 216.596	804.961	802.375	804.882
Ti 334.941	1217.09	1214.41	1215.61
Tl 190.794	7.7569u	19.9026u	9.1879u
V 292.401	339.914	338.771	338.501
Zn 206.200	23190.0	23172.1	23202.2

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	60.6690	ppb	0.3578	0.6	4678.74
Al 308.215	112918	ppb	39.4463	0.0	758244
As 188.980	293.086	ppb	7.3360	2.5	165.595
B 249.678	521.240	ppb	1.2889	0.2	6996.66
Ba 389.178	2369.57	ppb	1.2528	0.1	49002.7
Be 313.042	54.4121	ppb	0.0709	0.1	89279.7
Ca 370.602	626452	ppb	4265	0.7	1506701
Cd 226.502	129.418	ppb	0.2494	0.2	6753.00
Co 228.615	154.066	ppb	0.6536	0.4	1665.90
Cr 267.716	875.309	ppb	1.8042	0.2	44279.6
Cu 324.754	5980.73	ppb	38.5324	0.6	431881
Fe 271.441	476768	ppb	1145.80	0.2	678653
K 766.491	14677.0	ppb	23.2801	0.2	651772
Mg 279.078	54830.2	ppb	54.6581	0.1	135457
Mn 257.610	7363.94	ppb	14.3240	0.2	1557596
Mo 202.032	173.418	ppb	0.5574	0.3	1081.27
Na 330.237	10870.6	ppb	58.1597	0.5	-44.9768
Ni 231.604	615.965	ppb	1.5047	0.2	1740.60
Pb 220.353	6866.93	ppb	16.3539	0.2	9899.93
Sb 206.834	79.1039	ppb	1.9284	2.4	130.954
Se 196.026	103.548	ppb	10.7479	10.4	48.8628
Sn 189.925	540.437	ppb	0.9623	0.2	353.748
Sr 216.596	804.073	ppb	1.4705	0.2	9483.58

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ti 334.941	1215.70	ppb	1.3431	0.1	346105
Tl 190.794	12.2824	ppb	6.6379	54.0	-47.0466
V 292.401	339.062	ppb	0.7503	0.2	8933.72
Zn 206.200	23188.1	ppb	15.1330	0.1	20944.8

680-106169-b-21-cMSD (Samp) **10/14/2014, 2:34:09 AM** **Rack 3, Tube 54**

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

Label	Replicates Concentration		
Ag 328.068	70.6476	70.1008	69.7750
Al 308.215	115830	115899	115563
As 188.980	261.801	257.918	266.494
B 249.678	4066.20	4084.24	4092.55
Ba 389.178	2589.48	2591.68	2593.03
Be 313.042	53.5200	53.5859	53.5175
Ca 370.602	717248	717805	722321
Cd 226.502	145.226	143.871	144.431
Co 228.615	140.076	140.099	141.098
Cr 267.716	1277.52	1279.17	1278.08
Cu 324.754	5928.11	5944.38	5960.48
Fe 271.441	410733	410725	410808
K 766.491	16439.6	16466.3	16455.9
Mg 279.078	56870.7	56895.0	56790.1
Mn 257.610	7991.62	8018.52	8015.33
Mo 202.032	158.875	160.216	159.173
Na 330.237	22957.0	22664.9	22941.9
Ni 231.604	514.533	513.831	509.783
Pb 220.353	9947.00	9938.52	9912.90
Sb 206.834	129.774	131.370	137.138
Se 196.026	104.789	116.800	104.042
Sn 189.925	509.184	503.936	491.693
Sr 216.596	872.117	869.120	872.148
Ti 334.941	1271.84	1273.08	1272.13
Tl 190.794	15.2038u	21.2106u	16.4441u
V 292.401	338.005	338.120	338.998
Zn 206.200	30879.8x	30881.5x	30836.8x

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	70.1745b	ppb	0.4409	0.6	5435.43
Al 308.215	115764b	ppb	177.500	0.2	777207
As 188.980	262.071b	ppb	4.2941	1.6	147.761
B 249.678	4081.00b	ppb	13.4738	0.3	61542.2
Ba 389.178	2591.39b	ppb	1.7898	0.1	53535.6
Be 313.042	53.5411b	ppb	0.0388	0.1	87881.9
Ca 370.602	719125b	ppb	2782	0.4	1730918
Cd 226.502	144.509b	ppb	0.6810	0.5	7053.59
Co 228.615	140.424b	ppb	0.5837	0.4	1520.88
Cr 267.716	1278.26b	ppb	0.8352	0.1	64511.1
Cu 324.754	5944.32b	ppb	16.1827	0.3	429225
Fe 271.441	410755b	ppb	45.8186	0.0	584690
K 766.491	16453.9b	ppb	13.4257	0.1	730655
Mg 279.078	56851.9b	ppb	54.9140	0.1	140444
Mn 257.610	8008.49b	ppb	14.6953	0.2	1693593
Mo 202.032	159.421b	ppb	0.7044	0.4	995.611

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Na 330.237	22854.6b	ppb	164.431	0.7	435.978
Ni 231.604	512.716b	ppb	2.5641	0.5	1448.82
Pb 220.353	9932.81b	ppb	17.7556	0.2	14337.0
Sb 206.834	132.761b	ppb	3.8739	2.9	204.985
Se 196.026	108.544b	ppb	7.1603	6.6	50.4736
Sn 189.925	501.604b	ppb	8.9756	1.8	328.086
Sr 216.596	871.128b	ppb	1.7394	0.2	10180.3
Ti 334.941	1272.35b	ppb	0.6464	0.1	362222
Tl 190.794	17.6195b	ppb	3.1712	18.0	-33.4536
V 292.401	338.374b	ppb	0.5434	0.2	8878.01
Zn 206.200	30866.0xb	ppb	25.3676	0.1	27888.0

680-106169-b-1-a (Samp) **10/14/2014, 2:38:27 AM** **Rack 3, Tube 55**

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

Label	Replicates Concentration		
Ag 328.068	1.0878	1.6422	1.3180
Al 308.215	51102.1	51093.9	51000.8
As 188.980	90.5088	89.9513	85.0156
B 249.678	97.9715	91.3365	85.4460
Ba 389.178	767.423	767.494	765.724
Be 313.042	6.2269	6.2267	6.2286
Ca 370.602	353838	356134	357460
Cd 226.502	25.7848	25.7188	25.7497
Co 228.615	53.1514	52.3834	52.9757
Cr 267.716	200.375	200.403	200.502
Cu 324.754	1303.67	1299.91	1309.40
Fe 271.441	133420	133444	133320
K 766.491	4338.70	4344.58	4335.87
Mg 279.078	22842.4	22888.3	22860.7
Mn 257.610	3143.66	3160.20	3161.16
Mo 202.032	17.1111	16.7463	15.9345
Na 330.237	1142.55u	1109.35u	1004.98u
Ni 231.604	143.514	141.376	143.535
Pb 220.353	2216.12	2226.90	2216.11
Sb 206.834	11.9005	8.0983	12.9920
Se 196.026	10.4848	11.4386	6.9962
Sn 189.925	108.662	102.609	103.620
Sr 216.596	395.979	395.606	395.939
Ti 334.941	858.032	858.006	857.871
Tl 190.794	-6.9281u	-3.1195u	-6.9634u
V 292.401	152.013	151.759	151.991
Zn 206.200	3431.20	3428.97	3429.58

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	1.3493	ppb	0.2785	20.6	73.6827
Al 308.215	51065.6	ppb	56.2580	0.1	343046
As 188.980	88.4919	ppb	3.0234	3.4	46.6830
B 249.678	91.5847	ppb	6.2664	6.8	1153.77
Ba 389.178	766.880	ppb	1.0019	0.1	15814.6
Be 313.042	6.2274	ppb	0.0011	0.0	10093.9
Ca 370.602	355811	ppb	1833	0.5	857212
Cd 226.502	25.7511	ppb	0.0330	0.1	1502.05
Co 228.615	52.8368	ppb	0.4024	0.8	577.457

E10132014.wvq. All Data Report 10/14/2014, 10:01:24 AM

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Cr 267.716	200.427	ppb	0.0665	0.0	10181.7
Cu 324.754	1304.33	ppb	4.7767	0.4	94385.1
Fe 271.441	133395	ppb	66.2701	0.0	189888
K 766.491	4339.72	ppb	4.4438	0.1	192855
Mg 279.078	22863.8	ppb	23.1064	0.1	56488.2
Mn 257.610	3155.01	ppb	9.8359	0.3	667154
Mo 202.032	16.5973	ppb	0.6023	3.6	104.487
Na 330.237	1085.62	ppb	71.7894	6.6	-33.3723
Ni 231.604	142.808	ppb	1.2406	0.9	400.385
Pb 220.353	2219.71	ppb	6.2268	0.3	3201.82
Sb 206.834	10.9969	ppb	2.5689	23.4	25.0497
Se 196.026	9.6399	ppb	2.3386	24.3	7.7186
Sn 189.925	104.964	ppb	3.2423	3.1	65.9364
Sr 216.596	395.841	ppb	0.2047	0.1	4584.47
Ti 334.941	857.970	ppb	0.0869	0.0	244194
Tl 190.794	-5.6703	ppb	2.2092	39.0	-25.2380
V 292.401	151.921	ppb	0.1407	0.1	3994.38
Zn 206.200	3429.92	ppb	1.1521	0.0	3096.22

680-106169-b-2-a (Samp) **10/14/2014, 2:42:45 AM** **Rack 3, Tube 56**

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

Label	Replicates Concentration		
Ag 328.068	-1.3493u	-1.7907u	-1.6221u
Al 308.215	75096.6	75154.5	75191.6
As 188.980	117.163	120.438	119.277
B 249.678	43.5892	42.5352	41.0189
Ba 389.178	549.451	551.531	550.476
Be 313.042	5.8590	5.8612	5.8777
Ca 370.602	366948	366369	366159
Cd 226.502	0.1064	0.1098	-0.0616
Co 228.615	57.6673	57.6887	58.4303
Cr 267.716	189.870	189.394	189.630
Cu 324.754	190.012	187.032	187.959
Fe 271.441	146368	146701	146591
K 766.491	5219.34	5250.33	5235.89
Mg 279.078	13289.9	13265.1	13278.1
Mn 257.610	3832.91	3829.95	3838.72
Mo 202.032	13.5635	13.0299	14.0268
Na 330.237	375.651u	395.193u	278.711u
Ni 231.604	93.6419	93.6323	95.5689
Pb 220.353	296.160	295.725	296.691
Sb 206.834	3.1499	-0.8804	-2.7022
Se 196.026	7.6656	8.8230	6.1722
Sn 189.925	26.1305	30.9962	32.3646
Sr 216.596	110.619	109.420	109.808
Ti 334.941	721.703	722.538	723.622
Tl 190.794	-5.9367u	-8.4674u	-7.6092u
V 292.401	224.716	225.898	225.481
Zn 206.200	362.623	360.851	361.703

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-1.5874	ppb	0.2228	14.0	-146.063
Al 308.215	75147.6	ppb	47.8842	0.1	504495

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
As 188.980	118.959	ppb	1.6601	1.4	64.7553
B 249.678	42.3811	ppb	1.2921	3.0	373.901
Ba 389.178	550.486	ppb	1.0397	0.2	11357.0
Be 313.042	5.8660	ppb	0.0103	0.2	9509.29
Ca 370.602	366492	ppb	408.8	0.1	882805
Cd 226.502	0.0515	ppb	0.0980	190.1	592.801
Co 228.615	57.9288	ppb	0.4345	0.8	629.194
Cr 267.716	189.631	ppb	0.2378	0.1	9647.38
Cu 324.754	188.334	ppb	1.5248	0.8	13884.1
Fe 271.441	146553	ppb	169.817	0.1	208618
K 766.491	5235.19	ppb	15.5078	0.3	232608
Mg 279.078	13277.7	ppb	12.4124	0.1	32755.6
Mn 257.610	3833.86	ppb	4.4640	0.1	810539
Mo 202.032	13.5401	ppb	0.4988	3.7	84.5063
Na 330.237	349.852	ppb	62.3793	17.8	-7.0460
Ni 231.604	94.2810	ppb	1.1154	1.2	266.592
Pb 220.353	296.192	ppb	0.4839	0.2	419.891
Sb 206.834	-0.1442	ppb	2.9947	2076.3	10.5137
Se 196.026	7.5536	ppb	1.3289	17.6	7.1213
Sn 189.925	29.8304	ppb	3.2765	11.0	16.2795
Sr 216.596	109.949	ppb	0.6118	0.6	1484.20
Ti 334.941	722.621	ppb	0.9625	0.1	205659
Tl 190.794	-7.3378	ppb	1.2870	17.5	-28.0378
V 292.401	225.365	ppb	0.5992	0.3	5907.23
Zn 206.200	361.725	ppb	0.8860	0.2	321.786

680-106169-a-15-a (Samp) **10/14/2014, 2:47:03 AM** **Rack 3, Tube 57**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Replicates Concentration		
Ag 328.068	10.8790	10.9928	10.7850
Al 308.215	39665.5	39710.1	39606.9
As 188.980	286.263	293.485	287.446
B 249.678	62.9963	63.8635	63.6078
Ba 389.178	33023.0x	33056.0x	32828.2x
Be 313.042	3.4674	3.4562	3.4551
Ca 370.602	298558	300059	298241
Cd 226.502	151.805	152.824	152.451
Co 228.615	81.1431	80.9936	81.8678
Cr 267.716	394.558	395.023	394.420
Cu 324.754	9884.02	9919.55	9923.27
Fe 271.441	422913	423524	422391
K 766.491	4939.70	4928.36	4925.34
Mg 279.078	71397.0	71606.5	71476.8
Mn 257.610	6488.92	6477.70	6487.62
Mo 202.032	25.6559	25.0155	25.3918
Na 330.237	28894.0u	29216.9u	29182.2u
Ni 231.604	425.100	425.011	423.389
Pb 220.353	33371.9x	33496.7x	33497.6x
Sb 206.834	577.422	583.181	582.540
Se 196.026	5.0028	14.4463	0.8902
Sn 189.925	1323.46	1330.21	1330.68
Sr 216.596	1580.50	1584.50	1583.50
Ti 334.941	810.693	809.793	808.227

Label	Replicates Concentration		
Tl 190.794	-17.6994u	-10.0012u	-15.6562u
V 292.401	135.932	135.618	134.626
Zn 206.200	186031x	186595x	186414x

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	10.8856b	ppb	0.1041	1.0	753.462
Al 308.215	39660.8b	ppb	51.7531	0.1	267086
As 188.980	289.065b	ppb	3.8738	1.3	162.892
B 249.678	63.4892b	ppb	0.4456	0.7	121.042
Ba 389.178	32969.1xb	ppb	123.076	0.4	678529
Be 313.042	3.4596b	ppb	0.0068	0.2	5511.83
Ca 370.602	298953b	ppb	971.0	0.3	717199
Cd 226.502	152.360b	ppb	0.5153	0.3	7397.06
Co 228.615	81.3348b	ppb	0.4676	0.6	893.144
Cr 267.716	394.667b	ppb	0.3161	0.1	20084.7
Cu 324.754	9908.95b	ppb	21.6664	0.2	715228
Fe 271.441	422943b	ppb	566.795	0.1	602028
K 766.491	4931.14b	ppb	7.5714	0.2	219111
Mg 279.078	71493.4b	ppb	105.757	0.1	176716
Mn 257.610	6484.75b	ppb	6.1349	0.1	1371817
Mo 202.032	25.3544b	ppb	0.3218	1.3	147.329
Na 330.237	29097.7b	ppb	177.257	0.6	-2696.27
Ni 231.604	424.500b	ppb	0.9633	0.2	1204.98
Pb 220.353	33455.4xb	ppb	72.2988	0.2	48345.5
Sb 206.834	581.048b	ppb	3.1564	0.5	795.515
Se 196.026	6.7797b	ppb	6.9506	102.5	9.5104
Sn 189.925	1328.11b	ppb	4.0389	0.3	874.327
Sr 216.596	1582.83b	ppb	2.0830	0.1	17813.6
Ti 334.941	809.571b	ppb	1.2480	0.2	230539
Tl 190.794	-14.4522b	ppb	3.9878	27.6	-67.4365
V 292.401	135.392b	ppb	0.6816	0.5	3658.51
Zn 206.200	186346xb	ppb	287.850	0.2	168460

680-106169-a-16-a (Samp) **10/14/2014, 2:51:21 AM** **Rack 3, Tube 58**

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

Label	Replicates Concentration		
Ag 328.068	2.1299	2.1724	2.2368
Al 308.215	77410.1	77377.0	77587.9
As 188.980	201.365	190.532	189.955
B 249.678	45.9215u	45.0472u	45.5248u
Ba 389.178	2467.48	2469.36	2472.05
Be 313.042	5.2034	5.2195	5.2304
Ca 370.602	749876	746046	745873
Cd 226.502	23.7431	23.9208	23.4444
Co 228.615	81.4351	82.0368	80.5426
Cr 267.716	280.512	280.672	281.061
Cu 324.754	2568.05	2566.50	2566.42
Fe 271.441	408193	408634	408681
K 766.491	6678.59	6672.89	6698.49
Mg 279.078	21257.3	21251.2	21274.1
Mn 257.610	4955.32	4963.70	4953.86
Mo 202.032	17.5086	17.8999	18.2702
Na 330.237	9249.39u	9174.37u	9149.11u

Label	Replicates Concentration		
Ni 231.604	197.329	199.916	198.355
Pb 220.353	6532.28	6543.66	6539.68
Sb 206.834	81.0633	73.8995	74.7259
Se 196.026	2.9562	-0.3539	17.0665
Sn 189.925	926.827	938.286	934.481
Sr 216.596	280.252	280.926	279.238
Ti 334.941	683.069	684.039	685.560
Tl 190.794	-16.9732u	-15.7381u	-14.2750u
V 292.401	190.770	190.704	190.977
Zn 206.200	42724.8x	42688.8x	42705.6x

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	2.1797b	ppb	0.0538	2.5	106.578
Al 308.215	77458.3b	ppb	113.430	0.1	520421
As 188.980	193.951b	ppb	6.4273	3.3	107.381
B 249.678	45.4979b	ppb	0.4378	1.0	-129.941
Ba 389.178	2469.63b	ppb	2.2998	0.1	50982.4
Be 313.042	5.2177b	ppb	0.0136	0.3	8555.26
Ca 370.602	747265b	ppb	2263	0.3	1798525
Cd 226.502	23.7028b	ppb	0.2407	1.0	2523.80
Co 228.615	81.3382b	ppb	0.7518	0.9	890.006
Cr 267.716	280.749b	ppb	0.2824	0.1	14348.2
Cu 324.754	2566.99b	ppb	0.9171	0.0	185587
Fe 271.441	408503b	ppb	269.005	0.1	581475
K 766.491	6683.33b	ppb	13.4396	0.2	296897
Mg 279.078	21260.9b	ppb	11.8831	0.1	52480.2
Mn 257.610	4957.63b	ppb	5.3103	0.1	1048776
Mo 202.032	17.8929b	ppb	0.3808	2.1	100.713
Na 330.237	9190.96b	ppb	52.1569	0.6	-549.752
Ni 231.604	198.533b	ppb	1.3026	0.7	576.094
Pb 220.353	6538.54b	ppb	5.7752	0.1	9429.34
Sb 206.834	76.5629b	ppb	3.9193	5.1	121.759
Se 196.026	6.5563b	ppb	9.2514	141.1	9.0015
Sn 189.925	933.198b	ppb	5.8362	0.6	613.328
Sr 216.596	280.139b	ppb	0.8497	0.3	3748.99
Ti 334.941	684.223b	ppb	1.2556	0.2	194775
Tl 190.794	-15.6621b	ppb	1.3507	8.6	-67.4712
V 292.401	190.817b	ppb	0.1426	0.1	5097.51
Zn 206.200	42706.4xb	ppb	18.0206	0.0	38595.6

680-106169-a-17-a (Samp) **10/14/2014, 2:55:39 AM** **Rack 3, Tube 59**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Replicates Concentration		
Ag 328.068	-1.2890u	-1.2498u	-1.1715u
Al 308.215	54707.5	54743.9	54666.3
As 188.980	64.2231	69.8060	57.2885
B 249.678	38.3926	38.2211	38.5143
Ba 389.178	719.628	719.011	716.352
Be 313.042	6.0026	5.9842	5.9805
Ca 370.602	1457292x	1445290x	1446511x
Cd 226.502	3.2781	3.6182	3.6697
Co 228.615	36.0702	36.2070	35.7598
Cr 267.716	128.025	128.068	127.389

Label	Replicates Concentration		
Cu 324.754	344.079	342.980	340.693
Fe 271.441	106124	106087	105938
K 766.491	6198.77	6184.63	6162.24
Mg 279.078	20447.3	20459.6	20448.4
Mn 257.610	2009.99	2009.41	2007.32
Mo 202.032	5.3870	5.0447	5.0831
Na 330.237	832.141u	804.118u	911.331u
Ni 231.604	64.0006	66.5363	64.2936
Pb 220.353	853.294	859.124	858.052
Sb 206.834	3.7328	0.9939	-0.3357
Se 196.026	6.0377	1.3352	12.0761
Sn 189.925	22.9039	27.6119	24.4374
Sr 216.596	207.743	205.948	206.679
Ti 334.941	412.654	413.028	411.246
Tl 190.794	-10.3180u	-9.8965u	-8.1169u
V 292.401	133.615	134.100	134.003
Zn 206.200	2054.68	2071.64	2069.85

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-1.2368b	ppb	0.0598	4.8	-127.506
Al 308.215	54705.9b	ppb	38.8202	0.1	367398
As 188.980	63.7725b	ppb	6.2709	9.8	32.3358
B 249.678	38.3760b	ppb	0.1473	0.4	398.037
Ba 389.178	718.330b	ppb	1.7409	0.2	14798.8
Be 313.042	5.9891b	ppb	0.0118	0.2	10052.6
Ca 370.602	1449698xb	ppb	6605	0.5	3495577
Cd 226.502	3.5220b	ppb	0.2128	6.0	561.256
Co 228.615	36.0123b	ppb	0.2291	0.6	390.601
Cr 267.716	127.827b	ppb	0.3799	0.3	6514.16
Cu 324.754	342.584b	ppb	1.7272	0.5	24995.2
Fe 271.441	106050b	ppb	98.6901	0.1	150963
K 766.491	6181.88b	ppb	18.4196	0.3	274636
Mg 279.078	20451.8b	ppb	6.8075	0.0	50542.3
Mn 257.610	2008.91b	ppb	1.4063	0.1	424940
Mo 202.032	5.1716b	ppb	0.1875	3.6	33.4236
Na 330.237	849.196b	ppb	55.6038	6.5	-7.3540
Ni 231.604	64.9435b	ppb	1.3872	2.1	182.067
Pb 220.353	856.823b	ppb	3.1036	0.4	1232.95
Sb 206.834	1.4637b	ppb	2.0745	141.7	10.9106
Se 196.026	6.4830b	ppb	5.3843	83.1	6.0099
Sn 189.925	24.9844b	ppb	2.4012	9.6	13.0768
Sr 216.596	206.790b	ppb	0.9024	0.4	2877.75
Ti 334.941	412.309b	ppb	0.9395	0.2	117349
Tl 190.794	-9.4438b	ppb	1.1683	12.4	-26.2385
V 292.401	133.906b	ppb	0.2562	0.2	3514.46
Zn 206.200	2065.39b	ppb	9.3197	0.5	1863.78

680-106169-a-18-a (Samp) **10/14/2014, 2:59:57 AM** **Rack 3, Tube 60**

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

Label	Replicates Concentration		
Ag 328.068	-1.0518u	-1.2138u	-1.3431u
Al 308.215	53009.2	52937.4	53036.8
As 188.980	90.7743	83.2402	87.1341

Label	Replicates Concentration		
B 249.678	18.8364	18.2179	19.6983
Ba 389.178	540.619	540.809	542.247
Be 313.042	6.0204	6.0226	6.0290
Ca 370.602	1513555x	1529237x	1531981x
Cd 226.502	0.9060	0.8575	0.8459
Co 228.615	46.4966	45.6234	46.1959
Cr 267.716	133.128	133.454	134.129
Cu 324.754	103.529	104.270	104.442
Fe 271.441	129126	129525	129291
K 766.491	6040.18	6043.71	6043.91
Mg 279.078	32483.0	32447.4	32467.0
Mn 257.610	2738.27	2744.11	2742.25
Mo 202.032	5.7835	6.2361	6.1192
Na 330.237	758.588u	616.927u	593.928u
Ni 231.604	64.3247	63.0835	66.1023
Pb 220.353	221.960	218.863	223.840
Sb 206.834	-4.2919u	-2.2902	0.7662
Se 196.026	11.1616	6.6896	-0.3606
Sn 189.925	26.3895	22.5477	24.1989
Sr 216.596	192.539	191.885	192.590
Ti 334.941	458.148	459.013	459.289
Tl 190.794	-9.8654u	-4.9288u	-7.1066u
V 292.401	172.579	172.246	172.011
Zn 206.200	878.220	882.112	879.565

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-1.2029b	ppb	0.1460	12.1	-124.849
Al 308.215	52994.5b	ppb	51.2878	0.1	355970
As 188.980	87.0495b	ppb	3.7677	4.3	45.8789
B 249.678	18.9175b	ppb	0.7435	3.9	51.7153
Ba 389.178	541.225b	ppb	0.8903	0.2	11182.5
Be 313.042	6.0240b	ppb	0.0044	0.1	10131.8
Ca 370.602	1524924xb	ppb	9941	0.7	3676811
Cd 226.502	0.8698b	ppb	0.0319	3.7	554.721
Co 228.615	46.1053b	ppb	0.4436	1.0	498.905
Cr 267.716	133.570b	ppb	0.5107	0.4	6816.16
Cu 324.754	104.080b	ppb	0.4850	0.5	7799.32
Fe 271.441	129314b	ppb	200.677	0.2	184079
K 766.491	6042.60b	ppb	2.1008	0.0	268453
Mg 279.078	32465.8b	ppb	17.8150	0.1	80246.1
Mn 257.610	2741.54b	ppb	2.9838	0.1	579878
Mo 202.032	6.0463b	ppb	0.2349	3.9	37.9116
Na 330.237	656.481b	ppb	89.1718	13.6	2.7372
Ni 231.604	64.5035b	ppb	1.5173	2.4	182.586
Pb 220.353	221.554b	ppb	2.5132	1.1	313.206
Sb 206.834	-1.9386b	ppb	2.5473	131.4	7.1264
Se 196.026	5.8302b	ppb	5.8090	99.6	6.0770
Sn 189.925	24.3787b	ppb	1.9272	7.9	12.6765
Sr 216.596	192.338b	ppb	0.3932	0.2	2768.36
Ti 334.941	458.817b	ppb	0.5954	0.1	130608
Tl 190.794	-7.3003b	ppb	2.4740	33.9	-26.5029
V 292.401	172.279b	ppb	0.2856	0.2	4520.89
Zn 206.200	879.966b	ppb	1.9766	0.2	791.133

Cont Calib Verif (CCV) **10/14/2014, 3:04:16 AM** **Rack 4, Tube 1**

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

Label	Replicates Concentration		
Ag 328.068	507.755	509.219	508.159
Al 308.215	4923.99	4921.51	4904.83
As 188.980	487.295	486.461	476.889
B 249.678	498.896	501.496	502.985
Ba 389.178	4899.51	4907.30	4889.15
Be 313.042	496.553	497.560	495.888
Ca 370.602	5169	5145	5082
Cd 226.502	502.290	503.255	501.601
Co 228.615	504.158	504.504	503.793
Cr 267.716	4917.03	4921.31	4892.62
Cu 324.754	5090.78	5058.94	5091.59
Fe 271.441	5044.11	5043.44	5037.13
K 766.491	10153.0	10180.6	10123.3
Mg 279.078	4970.04	4972.72	4951.54
Mn 257.610	5027.01	5005.55	4999.00
Mo 202.032	487.775	487.317	484.167
Na 330.237	7669.64	7834.10	7747.78
Ni 231.604	2530.82	2528.00	2521.82
Pb 220.353	499.800	503.415	492.942
Sb 206.834	964.671	972.429	962.795
Se 196.026	4992.40	4963.97	4947.36
Sn 189.925	4988.89	4947.88	4982.95
Sr 216.596	2469.89	2470.44	2469.66
Ti 334.941	488.742	489.191	487.098
Tl 190.794	5014.91	5006.27	4985.00
V 292.401	4933.24	4936.23	4916.31
Zn 206.200	2480.95	2468.09	2477.57

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Ag 328.068	508.378	ppb	0.7558	0.1	39818.4	101.67551
Al 308.215	4916.77	ppb	10.4181	0.2	33994.3	98.33547
As 188.980	483.548	ppb	5.7820	1.2	279.258	96.70970
B 249.678	501.126	ppb	2.0694	0.4	7696.76	100.22515
Ba 389.178	4898.65	ppb	9.1032	0.2	100743	97.97308
Be 313.042	496.667	ppb	0.8420	0.2	815472	99.33341
Ca 370.602	5132	ppb	44.68	0.9	12666	102.63989
Cd 226.502	502.382	ppb	0.8309	0.2	18823.0	100.47642
Co 228.615	504.151	ppb	0.3556	0.1	5296.69	100.83028
Cr 267.716	4910.32	ppb	15.4756	0.3	246865	98.20644
Cu 324.754	5080.44	ppb	18.6198	0.4	366682	101.60870
Fe 271.441	5041.56	ppb	3.8533	0.1	7284.68	100.83116
K 766.491	10152.3	ppb	28.6845	0.3	450899	101.52282
Mg 279.078	4964.77	ppb	11.5349	0.2	12195.8	99.29530
Mn 257.610	5010.52	ppb	14.6505	0.3	1058651	100.21042
Mo 202.032	486.420	ppb	1.9641	0.4	3076.79	97.28400
Na 330.237	7750.51	ppb	82.2615	1.1	375.477	103.34010
Ni 231.604	2526.88	ppb	4.6041	0.2	7011.62	101.07526
Pb 220.353	498.719	ppb	5.3193	1.1	725.383	99.74380
Sb 206.834	966.632	ppb	5.1077	0.5	1338.79	96.66319
Se 196.026	4967.91	ppb	22.7751	0.5	1992.62	99.35822
Sn 189.925	4973.24	ppb	22.1595	0.4	3283.46	99.46478
Sr 216.596	2470.00	ppb	0.4011	0.0	26887.2	98.79992

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Ti 334.941	488.344	ppb	1.1019	0.2	138947	97.66878
Tl 190.794	5002.06	ppb	15.3944	0.3	4955.69	100.04123
V 292.401	4928.60	ppb	10.7419	0.2	127857	98.57191
Zn 206.200	2475.54	ppb	6.6621	0.3	2226.02	99.02142

Cont Calib Blank (CCB) **10/14/2014, 3:08:35 AM** **Rack 4, Tube 2**

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

Label	Replicates Concentration		
Ag 328.068	0.3423	0.1119	0.0969
Al 308.215	-4.0862u	-1.9476u	-4.8924u
As 188.980	0.4288	-0.6746u	-2.2271u
B 249.678	10.2732	9.2420	8.2894
Ba 389.178	0.7157	1.1129	0.3696
Be 313.042	0.0074	0.0085	0.0082
Ca 370.602	32.53	35.34	35.08
Cd 226.502	0.2247	0.0884	0.2497
Co 228.615	0.0426	0.4714	0.4988
Cr 267.716	0.4717	0.6085	0.4014
Cu 324.754	0.6079	0.6979	0.5380
Fe 271.441	-0.2469u	-0.8774u	4.9841
K 766.491	2.9427	2.3431	2.4565
Mg 279.078	4.8801	6.1847	4.1098
Mn 257.610	0.4424	0.5494	0.4924
Mo 202.032	0.8443	0.4626	0.7636
Na 330.237	24.2312	19.3760	-87.2037u
Ni 231.604	1.3531	0.9101	1.1378
Pb 220.353	1.8671	-0.4838u	1.5744
Sb 206.834	-0.3453u	2.4718	-1.0650u
Se 196.026	6.3457	5.7504	1.2583
Sn 189.925	-2.4424u	-1.3828u	-0.0114u
Sr 216.596	0.4543	0.3955	-0.2018u
Ti 334.941	0.0701	0.1214	0.1249
Tl 190.794	-1.9045u	0.8377	4.2899
V 292.401	0.5515	0.4091	0.4447
Zn 206.200	1.1984	2.0549	1.6295

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Ag 328.068	0.1837	ppb	0.1376	74.9	1.5574	0.18369
Al 308.215	-3.6421	ppb	1.5218	41.8	491.568	-3.64205
As 188.980	-0.8243	ppb	1.3343	161.9	-5.5622	-0.82433
B 249.678	9.2682	ppb	0.9921	10.7	176.906	9.26820
Ba 389.178	0.7327	ppb	0.3720	50.8	-44.6350	0.73271
Be 313.042	0.0080	ppb	0.0005	6.7	-235.666	0.00803
Ca 370.602	34.32	ppb	1.554	4.5	96.61	34.31582
Cd 226.502	0.1876	ppb	0.0868	46.3	12.6591	0.18758
Co 228.615	0.3376	ppb	0.2558	75.8	1.2293	0.33761
Cr 267.716	0.4938	ppb	0.1053	21.3	56.6752	0.49385
Cu 324.754	0.6146	ppb	0.0801	13.0	283.106	0.61460
Fe 271.441	1.2866	ppb	3.2176	250.1	10.2944	1.28660
K 766.491	2.5808	ppb	0.3185	12.3	311.338	2.58078
Mg 279.078	5.0582	ppb	1.0489	20.7	23.9587	5.05821
Mn 257.610	0.4947	ppb	0.0535	10.8	151.758	0.49470
Mo 202.032	0.6902	ppb	0.2012	29.1	9.8156	0.69019

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Na 330.237	-14.5321	ppb	62.9822	433.4	21.2318	-14.53214
Ni 231.604	1.1337	ppb	0.2215	19.5	-3.1886	1.13367
Pb 220.353	0.9859	ppb	1.2812	129.9	2.4809	0.98591
Sb 206.834	0.3538	ppb	1.8692	528.2	4.9223	0.35385
Se 196.026	4.4515	ppb	2.7813	62.5	3.9614	4.45147
Sn 189.925	-1.2788	ppb	1.2189	95.3	-4.2809	-1.27885
Sr 216.596	0.2160	ppb	0.3630	168.1	5.2944	0.21601
Ti 334.941	0.1055	ppb	0.0307	29.1	-17.9759	0.10548
Tl 190.794	1.0743	ppb	3.1040	288.9	-4.1988	1.07435
V 292.401	0.4684	ppb	0.0741	15.8	7.4005	0.46841
Zn 206.200	1.6276	ppb	0.4283	26.3	2.2917	1.62760

680-106169-b-19-a (Samp) **10/14/2014, 3:12:53 AM** **Rack 4, Tube 3**

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

Label	Replicates Concentration		
Ag 328.068	2.0283	2.6263	1.2112
Al 308.215	59718.6	59755.9	59743.3
As 188.980	186.128	191.197	183.406
B 249.678	51.2739u	50.0316u	52.0256u
Ba 389.178	3035.65	3035.82	3032.69
Be 313.042	5.6787	5.6786	5.6692
Ca 370.602	806054	808661	799583
Cd 226.502	19.8884	20.3309	20.4406
Co 228.615	84.7991	83.6073	83.6621
Cr 267.716	268.721	268.920	268.342
Cu 324.754	2382.36	2417.21	2382.12
Fe 271.441	450593	451734	444953
K 766.491	6927.17	6937.51	6938.89
Mg 279.078	132261	132375	132290
Mn 257.610	4610.23	4614.49	4609.21
Mo 202.032	23.4828	23.7552	23.8992
Na 330.237	2981.49u	2815.24u	2828.76u
Ni 231.604	235.971	239.867	239.457
Pb 220.353	7011.48	7003.12	6989.29
Sb 206.834	29.6491	31.5461	31.6153
Se 196.026	13.0555	9.6308	0.0279
Sn 189.925	236.616	230.691	241.380
Sr 216.596	703.902	704.875	702.942
Ti 334.941	1047.44	1050.21	1047.77
Tl 190.794	-12.7553u	-14.6680u	-12.2491u
V 292.401	192.892	194.402	192.982
Zn 206.200	10653.2	10655.0	10688.4

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	1.9553b	ppb	0.7103	36.3	65.5459
Al 308.215	59739.3b	ppb	18.9440	0.0	401720
As 188.980	186.910b	ppb	3.9537	2.1	102.840
B 249.678	51.1104b	ppb	1.0070	2.0	-129.965
Ba 389.178	3034.72b	ppb	1.7588	0.1	62772.1
Be 313.042	5.6755b	ppb	0.0054	0.1	9314.63
Ca 370.602	804766b	ppb	4674	0.6	1936927
Cd 226.502	20.2200b	ppb	0.2923	1.4	2556.15
Co 228.615	84.0229b	ppb	0.6728	0.8	928.019

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Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Cr 267.716	268.661b	ppb	0.2936	0.1	13758.0
Cu 324.754	2393.90b	ppb	20.1883	0.8	173118
Fe 271.441	449093b	ppb	3631.13	0.8	639251
K 766.491	6934.52b	ppb	6.4077	0.1	308049
Mg 279.078	132309b	ppb	58.8572	0.0	327171
Mn 257.610	4611.31b	ppb	2.8001	0.1	976561
Mo 202.032	23.7124b	ppb	0.2115	0.9	135.766
Na 330.237	2875.16b	ppb	92.3275	3.2	-181.742
Ni 231.604	238.432b	ppb	2.1410	0.9	689.944
Pb 220.353	7001.29b	ppb	11.2099	0.2	10095.9
Sb 206.834	30.9368b	ppb	1.1157	3.6	61.7824
Se 196.026	7.5714b	ppb	6.7535	89.2	9.6561
Sn 189.925	236.229b	ppb	5.3548	2.3	152.691
Sr 216.596	703.906b	ppb	0.9663	0.1	8432.84
Ti 334.941	1048.47b	ppb	1.5091	0.1	298639
Tl 190.794	-13.2241b	ppb	1.2758	9.6	-70.1106
V 292.401	193.425b	ppb	0.8470	0.4	5186.11
Zn 206.200	10665.6b	ppb	19.8208	0.2	9625.81

680-106169-b-20-a (Samp) **10/14/2014, 3:17:13 AM** **Rack 4, Tube 4**

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

Label	Replicates Concentration		
Ag 328.068	5.5337	5.4761	4.7029
Al 308.215	80766.5	80810.6	80614.0
As 188.980	127.493	126.631	120.143
B 249.678	112.030	112.160	112.133
Ba 389.178	1904.85	1904.38	1905.97
Be 313.042	7.4828	7.4885	7.4730
Ca 370.602	607483	608216	609471
Cd 226.502	63.9921	64.6406	63.7756
Co 228.615	87.2536	86.2227	85.9508
Cr 267.716	443.515	444.300	442.984
Cu 324.754	4689.03	4682.56	4683.06
Fe 271.441	313334	313485	313627
K 766.491	7316.06	7330.31	7340.94
Mg 279.078	40887.2	40902.6	40844.3
Mn 257.610	4955.81	4952.99	4962.54
Mo 202.032	55.7901	55.6666	56.3779
Na 330.237	2907.30u	3078.70u	2744.08u
Ni 231.604	302.543	304.670	303.164
Pb 220.353	4113.31	4104.14	4096.36
Sb 206.834	34.6248	38.9532	38.1663
Se 196.026	4.8116	15.6973	4.3566
Sn 189.925	175.180	164.811	164.377
Sr 216.596	782.233	779.512	778.616
Ti 334.941	1015.13	1015.73	1014.79
Tl 190.794	-11.5376u	-15.2301u	-9.8751u
V 292.401	209.208	209.852	209.746
Zn 206.200	11652.8	11624.6	11583.5

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	5.2376	ppb	0.4639	8.9	345.989
Al 308.215	80730.4	ppb	103.148	0.1	542197

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
As 188.980	124.756	ppb	4.0180	3.2	67.2470
B 249.678	112.108	ppb	0.0685	0.1	1088.52
Ba 389.178	1905.07	ppb	0.8187	0.0	39345.0
Be 313.042	7.4814	ppb	0.0078	0.1	12225.7
Ca 370.602	608390	ppb	1005	0.2	1464669
Cd 226.502	64.1361	ppb	0.4501	0.7	3656.45
Co 228.615	86.4757	ppb	0.6872	0.8	944.305
Cr 267.716	443.599	ppb	0.6619	0.1	22494.0
Cu 324.754	4684.88	ppb	3.5955	0.1	338329
Fe 271.441	313482	ppb	146.740	0.0	446225
K 766.491	7329.10	ppb	12.4878	0.2	325566
Mg 279.078	40878.0	ppb	30.2280	0.1	101002
Mn 257.610	4957.11	ppb	4.9099	0.1	1048537
Mo 202.032	55.9449	ppb	0.3801	0.7	345.499
Na 330.237	2910.03	ppb	167.328	5.8	-166.055
Ni 231.604	303.459	ppb	1.0940	0.4	860.241
Pb 220.353	4104.60	ppb	8.4869	0.2	5916.05
Sb 206.834	37.2481	ppb	2.3057	6.2	67.4123
Se 196.026	8.2885	ppb	6.4202	77.5	8.9475
Sn 189.925	168.123	ppb	6.1157	3.6	107.678
Sr 216.596	780.121	ppb	1.8834	0.2	9050.71
Ti 334.941	1015.22	ppb	0.4755	0.0	289001
Tl 190.794	-12.2143	ppb	2.7409	22.4	-52.6015
V 292.401	209.602	ppb	0.3453	0.2	5543.88
Zn 206.200	11620.3	ppb	34.8573	0.3	10493.7

680-106169-b-22-a (Samp) **10/14/2014, 3:21:31 AM** **Rack 4, Tube 5**

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

Label	Replicates Concentration		
Ag 328.068	14.2309	14.0880	13.7989
Al 308.215	71118.1	71066.1	71101.2
As 188.980	167.447	169.561	180.083
B 249.678	268.374	269.399	268.989
Ba 389.178	2652.69	2653.85	2654.44
Be 313.042	5.4387	5.4265	5.4294
Ca 370.602	408947	409967	407113
Cd 226.502	57.3546	57.8561	57.9967
Co 228.615	81.4660	80.6077	81.5244
Cr 267.716	479.822	478.517	478.349
Cu 324.754	4164.21	4155.64	4116.98
Fe 271.441	475289	474520	473220
K 766.491	5443.54	5463.74	5444.72
Mg 279.078	35791.3	35727.4	35680.7
Mn 257.610	5618.73	5637.96	5609.11
Mo 202.032	69.7520	68.6996	69.3798
Na 330.237	3966.09u	3676.28u	3944.94u
Ni 231.604	384.039	379.198	381.983
Pb 220.353	5040.64	5026.38	5005.13
Sb 206.834	55.4707	57.9946	55.7814
Se 196.026	11.3390	-6.5763	3.9842
Sn 189.925	206.476	206.809	198.844
Sr 216.596	589.787	589.347	587.944
Ti 334.941	1075.09	1074.23	1073.86

Label	Replicates Concentration		
Tl 190.794	-23.9186u	-18.2777u	-21.1814u
V 292.401	213.942	213.675	213.063
Zn 206.200	16110.2	16053.9	16038.9

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	14.0393	ppb	0.2201	1.6	1020.71
Al 308.215	71095.2	ppb	26.5111	0.0	477885
As 188.980	172.363	ppb	6.7680	3.9	94.2333
B 249.678	268.920	ppb	0.5160	0.2	3146.29
Ba 389.178	2653.66	ppb	0.8900	0.0	54820.5
Be 313.042	5.4315	ppb	0.0064	0.1	8787.75
Ca 370.602	408675	ppb	1447	0.4	981396
Cd 226.502	57.7358	ppb	0.3375	0.6	4058.83
Co 228.615	81.1994	ppb	0.5132	0.6	899.679
Cr 267.716	478.896	ppb	0.8065	0.2	24342.4
Cu 324.754	4145.61	ppb	25.1637	0.6	299495
Fe 271.441	474343	ppb	1045.63	0.2	675191
K 766.491	5450.67	ppb	11.3348	0.2	242175
Mg 279.078	35733.1	ppb	55.4950	0.2	88267.3
Mn 257.610	5621.93	ppb	14.6898	0.3	1189415
Mo 202.032	69.2771	ppb	0.5337	0.8	422.848
Na 330.237	3862.44	ppb	161.560	4.2	-256.240
Ni 231.604	381.740	ppb	2.4298	0.6	1089.92
Pb 220.353	5024.05	ppb	17.8652	0.4	7235.83
Sb 206.834	56.4156	ppb	1.3763	2.4	97.9592
Se 196.026	2.9156	ppb	9.0053	308.9	8.1904
Sn 189.925	204.043	ppb	4.5058	2.2	131.418
Sr 216.596	589.026	ppb	0.9625	0.2	7064.38
Ti 334.941	1074.39	ppb	0.6334	0.1	305853
Tl 190.794	-21.1259	ppb	2.8209	13.4	-80.6316
V 292.401	213.560	ppb	0.4508	0.2	5701.43
Zn 206.200	16067.7	ppb	37.5727	0.2	14508.4

680-106169-b-23-a (Samp) **10/14/2014, 3:25:50 AM** **Rack 4, Tube 6**

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

Label	Replicates Concentration		
Ag 328.068	-0.2876u	-0.0047u	-0.3599u
Al 308.215	66647.0	66795.8	66629.1
As 188.980	109.661	114.061	111.429
B 249.678	124.341	123.326	123.547
Ba 389.178	626.107	626.046	625.559
Be 313.042	5.8817	5.8876	5.8755
Ca 370.602	737099	742744	739076
Cd 226.502	6.2516	5.9293	6.0636
Co 228.615	66.2351	67.0188	67.0881
Cr 267.716	218.317	218.719	218.640
Cu 324.754	552.364	555.027	546.506
Fe 271.441	149413	149310	149236
K 766.491	6607.78	6617.07	6621.34
Mg 279.078	28252.0	28252.7	28196.7
Mn 257.610	6840.26	6864.68	6836.40
Mo 202.032	19.5943	19.9987	19.4182
Na 330.237	853.776u	791.248u	853.125u

Label	Replicates Concentration		
Ni 231.604	123.980	124.430	124.525
Pb 220.353	944.455	947.458	943.830
Sb 206.834	9.1295	7.6531	7.6988
Se 196.026	-1.1391	7.0880	7.0932
Sn 189.925	122.742	121.123	119.024
Sr 216.596	471.895	475.104	473.483
Ti 334.941	723.763	724.208	722.669
Tl 190.794	-4.0331u	-4.9397u	-6.2118u
V 292.401	198.039	199.193	198.375
Zn 206.200	2106.58	2103.14	2092.49

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.2174b	ppb	0.1877	86.3	-37.4460
Al 308.215	66690.6b	ppb	91.4651	0.1	447811
As 188.980	111.717b	ppb	2.2138	2.0	60.3996
B 249.678	123.738b	ppb	0.5338	0.4	1611.84
Ba 389.178	625.904b	ppb	0.3003	0.0	12929.3
Be 313.042	5.8816b	ppb	0.0060	0.1	9649.36
Ca 370.602	739640b	ppb	2864	0.4	1782814
Cd 226.502	6.0815b	ppb	0.1618	2.7	829.220
Co 228.615	66.7807b	ppb	0.4738	0.7	722.157
Cr 267.716	218.559b	ppb	0.2133	0.1	11116.6
Cu 324.754	551.299b	ppb	4.3592	0.8	40069.4
Fe 271.441	149320b	ppb	88.7308	0.1	212557
K 766.491	6615.40b	ppb	6.9293	0.1	293882
Mg 279.078	28233.8b	ppb	32.1785	0.1	69696.1
Mn 257.610	6847.11b	ppb	15.3323	0.2	1447261
Mo 202.032	19.6704b	ppb	0.2976	1.5	123.192
Na 330.237	832.717b	ppb	35.9141	4.3	-20.8851
Ni 231.604	124.311b	ppb	0.2912	0.2	350.186
Pb 220.353	945.247b	ppb	1.9395	0.2	1358.82
Sb 206.834	8.1605b	ppb	0.8395	10.3	21.8898
Se 196.026	4.3474b	ppb	4.7514	109.3	6.4630
Sn 189.925	120.963b	ppb	1.8642	1.5	76.5106
Sr 216.596	473.494b	ppb	1.6045	0.3	5582.61
Ti 334.941	723.547b	ppb	0.7919	0.1	205948
Tl 190.794	-5.0615b	ppb	1.0945	21.6	-24.7466
V 292.401	198.536b	ppb	0.5934	0.3	5208.61
Zn 206.200	2100.74b	ppb	7.3491	0.3	1893.86

680-106169-b-24-a (Samp) **10/14/2014, 3:30:09 AM** **Rack 4, Tube 7**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Replicates Concentration		
Ag 328.068	-1.6747u	-1.4186u	-1.2181u
Al 308.215	56633.4	56696.4	56618.3
As 188.980	32.0406	44.9456	37.3133
B 249.678	139.480	138.960	139.451
Ba 389.178	572.992	575.050	573.248
Be 313.042	7.1999	7.2026	7.1946
Ca 370.602	1037737x	1031857x	1029994x
Cd 226.502	3.6906	3.5270	3.6865
Co 228.615	18.4077	18.7196	18.8207
Cr 267.716	133.676	133.271	133.367

Label	Replicates Concentration		
Cu 324.754	221.834	218.961	221.466
Fe 271.441	46785.4	46780.3	46763.0
K 766.491	5084.09	5079.49	5078.35
Mg 279.078	16214.8	16235.1	16225.7
Mn 257.610	2004.53	2003.56	2002.35
Mo 202.032	5.4759	5.2386	5.1647
Na 330.237	546.648	658.112	634.927
Ni 231.604	58.7760	59.9044	59.9278
Pb 220.353	217.237	213.555	217.928
Sb 206.834	2.7255	-3.6084u	1.8663
Se 196.026	9.4046	5.8490	-2.3342u
Sn 189.925	20.6638	18.0261	18.1610
Sr 216.596	239.245	236.985	240.344
Ti 334.941	273.402	273.505	273.748
Tl 190.794	-4.5633u	-8.5762u	-4.1650u
V 292.401	132.247	131.768	131.403
Zn 206.200	725.622	726.233	723.109

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-1.4371b	ppb	0.2289	15.9	-133.540
Al 308.215	56649.3b	ppb	41.4111	0.1	380325
As 188.980	38.0998b	ppb	6.4884	17.0	17.5946
B 249.678	139.297b	ppb	0.2921	0.2	2065.61
Ba 389.178	573.763b	ppb	1.1217	0.2	11789.3
Be 313.042	7.1990b	ppb	0.0040	0.1	11909.1
Ca 370.602	1033196xb	ppb	4041	0.4	2491591
Cd 226.502	3.6347b	ppb	0.0933	2.6	328.480
Co 228.615	18.6493b	ppb	0.2153	1.2	201.885
Cr 267.716	133.438b	ppb	0.2116	0.2	6769.80
Cu 324.754	220.754b	ppb	1.5635	0.7	16181.6
Fe 271.441	46776.2b	ppb	11.7182	0.0	66592.2
K 766.491	5080.64b	ppb	3.0368	0.1	225748
Mg 279.078	16225.2b	ppb	10.1196	0.1	40087.3
Mn 257.610	2003.48b	ppb	1.0928	0.1	423584
Mo 202.032	5.2931b	ppb	0.1626	3.1	36.7674
Na 330.237	613.229b	ppb	58.8147	9.6	25.6610
Ni 231.604	59.5361b	ppb	0.6583	1.1	162.569
Pb 220.353	216.240b	ppb	2.3506	1.1	310.454
Sb 206.834	0.3278b	ppb	3.4358	1048.1	7.6633
Se 196.026	4.3065b	ppb	6.0195	139.8	4.6719
Sn 189.925	18.9503b	ppb	1.4854	7.8	9.0890
Sr 216.596	238.858b	ppb	1.7125	0.7	3018.83
Ti 334.941	273.552b	ppb	0.1773	0.1	77843.2
Tl 190.794	-5.7682b	ppb	2.4400	42.3	-15.4711
V 292.401	131.806b	ppb	0.4229	0.3	3436.27
Zn 206.200	724.988b	ppb	1.6557	0.2	654.159

680-106162-a-1-b (Samp) **10/14/2014, 3:34:28 AM** **Rack 4, Tube 8**

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

Label	Replicates Concentration		
Ag 328.068	52.9219	53.3342	53.2905
Al 308.215	332635	332519	333213
As 188.980	16.2689	32.6368	23.0236

Label	Replicates Concentration		
B 249.678	3888.66	3908.04	3925.11
Ba 389.178	23113.8x	23085.0x	23078.1x
Be 313.042	4.6089	4.6193	4.6161
Ca 370.602	1761664x	1776639x	1729214x
Cd 226.502	169.840	169.508	169.424
Co 228.615	76.0669	75.2898	76.7787
Cr 267.716	1411.36	1412.95	1412.69
Cu 324.754	2274.70	2271.27	2262.66
Fe 271.441	123899	124104	123713
K 766.491	509352x	509611x	508715x
Mg 279.078	261820	262122	262397
Mn 257.610	68326.3x	68583.7x	68322.4x
Mo 202.032	116.442	116.633	116.407
Na 330.237	322566x	323895x	323749x
Ni 231.604	215.702	212.446	213.142
Pb 220.353	305.003	300.513	306.325
Sb 206.834	8.7735	8.7147	3.2125
Se 196.026	4.5006	15.5789	15.4376
Sn 189.925	13.1385	17.8256	17.2718
Sr 216.596	8415.67x	8413.83x	8415.36x
Ti 334.941	18196.9	18209.7	18189.6
Tl 190.794	14.8672	9.1772	17.3433
V 292.401	226.502	228.106	225.772
Zn 206.200	8172.11	8212.40	8196.85

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	53.1822b	ppb	0.2265	0.4	4194.88
Al 308.215	332789b	ppb	372.003	0.1	2231421
As 188.980	23.9764b	ppb	8.2254	34.3	11.4013
B 249.678	3907.27b	ppb	18.2345	0.5	59491.9
Ba 389.178	23092.3xb	ppb	18.9079	0.1	475428
Be 313.042	4.6148b	ppb	0.0053	0.1	7820.69
Ca 370.602	1755839xb	ppb	24243	1.4	4241837
Cd 226.502	169.591b	ppb	0.2198	0.1	6847.15
Co 228.615	76.0451b	ppb	0.7447	1.0	1157.45
Cr 267.716	1412.33b	ppb	0.8555	0.1	71443.1
Cu 324.754	2269.54b	ppb	6.2028	0.3	164013
Fe 271.441	123906b	ppb	195.700	0.2	176389
K 766.491	509226xb	ppb	461.393	0.1	22606856
Mg 279.078	262113b	ppb	288.352	0.1	646943
Mn 257.610	68410.8xb	ppb	149.763	0.2	14455251
Mo 202.032	116.494b	ppb	0.1220	0.1	736.646
Na 330.237	323404xb	ppb	729.092	0.2	16893.5
Ni 231.604	213.763b	ppb	1.7146	0.8	596.745
Pb 220.353	303.947b	ppb	3.0467	1.0	433.935
Sb 206.834	6.9002b	ppb	3.1938	46.3	30.6603
Se 196.026	11.8390b	ppb	6.3557	53.7	21.6658
Sn 189.925	16.0786b	ppb	2.5612	15.9	7.2805
Sr 216.596	8414.95xb	ppb	0.9874	0.0	92539.4
Ti 334.941	18198.7b	ppb	10.1558	0.1	5179911
Tl 190.794	13.7959b	ppb	4.1871	30.4	25.4272
V 292.401	226.794b	ppb	1.1937	0.5	6126.71
Zn 206.200	8193.78b	ppb	20.3191	0.2	7400.45

680-106162-a-2-b (Samp) **10/14/2014, 3:38:47 AM** **Rack 4, Tube 9**

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

Label	Replicates Concentration		
Ag 328.068	65.3865	64.9456	65.2685
Al 308.215	316536	315406	315622
As 188.980	21.0379	38.2939	38.3128
B 249.678	4036.70	4044.15	4050.78
Ba 389.178	23745.1x	23714.0x	23749.3x
Be 313.042	4.5964	4.5990	4.6042
Ca 370.602	1728233x	1725085x	1770667x
Cd 226.502	193.614	193.384	193.202
Co 228.615	71.5083	72.4438	70.8202
Cr 267.716	1646.18	1647.30	1647.40
Cu 324.754	2441.70	2437.73	2433.42
Fe 271.441	123219	123329	123238
K 766.491	507760x	508227x	508658x
Mg 279.078	235458	235256	235377
Mn 257.610	65368.8x	65463.4x	65721.0x
Mo 202.032	115.045	114.230	115.182
Na 330.237	348773x	347835x	348028x
Ni 231.604	207.979	204.167	208.181
Pb 220.353	333.948	327.867	334.261
Sb 206.834	9.5022	-0.1908	4.0731
Se 196.026	4.4317	-6.3321	-2.5963
Sn 189.925	15.8683	11.0038	16.7816
Sr 216.596	8553.87x	8550.45x	8568.57x
Ti 334.941	20398.3	20374.5	20114.8
Tl 190.794	15.4062	7.9411	15.0954
V 292.401	231.977	231.714	232.301
Zn 206.200	8557.12	8528.77	8545.31

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	65.2002b	ppb	0.2282	0.4	5119.26
Al 308.215	315854b	ppb	599.813	0.2	2117908
As 188.980	32.5482b	ppb	9.9682	30.6	16.2899
B 249.678	4043.88b	ppb	7.0464	0.2	61581.0
Ba 389.178	23736.1xb	ppb	19.2445	0.1	488638
Be 313.042	4.5998b	ppb	0.0040	0.1	7788.81
Ca 370.602	1741328xb	ppb	25457	1.5	4207555
Cd 226.502	193.400b	ppb	0.2065	0.1	7735.13
Co 228.615	71.5908b	ppb	0.8150	1.1	1151.31
Cr 267.716	1646.96b	ppb	0.6794	0.0	83229.0
Cu 324.754	2437.62b	ppb	4.1444	0.2	176137
Fe 271.441	123262b	ppb	58.5797	0.0	175474
K 766.491	508215xb	ppb	449.243	0.1	22561968
Mg 279.078	235364b	ppb	102.017	0.0	580841
Mn 257.610	65517.7xb	ppb	182.243	0.3	13843847
Mo 202.032	114.819b	ppb	0.5144	0.4	726.070
Na 330.237	348212xb	ppb	495.358	0.1	18195.0
Ni 231.604	206.776b	ppb	2.2614	1.1	577.288
Pb 220.353	332.025b	ppb	3.6047	1.1	473.433
Sb 206.834	4.4615b	ppb	4.8581	108.9	29.9334
Se 196.026	-1.4989b	ppb	5.4652	364.6	15.7218
Sn 189.925	14.5512b	ppb	3.1059	21.3	6.2779
Sr 216.596	8557.63xb	ppb	9.6267	0.1	94089.2

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ti 334.941	20295.8b	ppb	157.260	0.8	5776710
Tl 190.794	12.8142b	ppb	4.2231	33.0	23.1627
V 292.401	231.997b	ppb	0.2941	0.1	6282.58
Zn 206.200	8543.73b	ppb	14.2415	0.2	7716.26

680-106162-a-3-b (Samp) **10/14/2014, 3:43:06 AM** **Rack 4, Tube 10**

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

Label	Replicates Concentration		
Ag 328.068	65.2968	65.7101	65.1796
Al 308.215	317419	317026	315560
As 188.980	23.9417	30.2220	25.8988
B 249.678	3833.70	3845.97	3843.67
Ba 389.178	24608.9x	24577.0x	24482.2x
Be 313.042	4.7652	4.7354	4.7294
Ca 370.602	1725963x	1717714x	1726349x
Cd 226.502	191.770	192.129	192.112
Co 228.615	74.3714	74.3350	74.0059
Cr 267.716	1911.18	1907.52	1902.24
Cu 324.754	2241.79	2236.45	2242.93
Fe 271.441	121655	121452	121339
K 766.491	530738x	528938x	527453x
Mg 279.078	246257	246154	245772
Mn 257.610	65713.2x	65224.5x	64903.4x
Mo 202.032	122.688	123.372	122.181
Na 330.237	354055x	354433x	352573x
Ni 231.604	215.523	214.873	214.445
Pb 220.353	385.845	387.431	378.276
Sb 206.834	7.0586	-7.3387	4.1694
Se 196.026	19.5304	25.2099	15.8490
Sn 189.925	14.5884	10.6859	13.5220
Sr 216.596	8542.57x	8544.30x	8528.64x
Ti 334.941	18339.1	18274.9	18134.1
Tl 190.794	10.3532	13.3667	7.9149
V 292.401	229.037	227.093	226.597
Zn 206.200	8949.19	8934.20	8973.10

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	65.3955b	ppb	0.2787	0.4	5133.68
Al 308.215	316668b	ppb	980.016	0.3	2123359
As 188.980	26.6875b	ppb	3.2136	12.0	12.8604
B 249.678	3841.11b	ppb	6.5217	0.2	58485.6
Ba 389.178	24556.0xb	ppb	65.8849	0.3	505519
Be 313.042	4.7433b	ppb	0.0192	0.4	8020.38
Ca 370.602	1723342xb	ppb	4878	0.3	4163438
Cd 226.502	192.004b	ppb	0.2028	0.1	7676.33
Co 228.615	74.2374b	ppb	0.2014	0.3	1140.25
Cr 267.716	1906.98b	ppb	4.4967	0.2	96296.4
Cu 324.754	2240.39b	ppb	3.4595	0.2	161909
Fe 271.441	121482b	ppb	160.409	0.1	172941
K 766.491	529043xb	ppb	1644.85	0.3	23486618
Mg 279.078	246061b	ppb	255.493	0.1	607302
Mn 257.610	65280.4xb	ppb	407.791	0.6	13793783
Mo 202.032	122.747b	ppb	0.5974	0.5	776295

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Na 330.237	353687xb	ppb	983.244	0.3	18480.6
Ni 231.604	214.947b	ppb	0.5426	0.3	599.859
Pb 220.353	383.850b	ppb	4.8925	1.3	549.574
Sb 206.834	1.2964b	ppb	7.6165	587.5	28.3726
Se 196.026	20.1964b	ppb	4.7159	23.3	24.3849
Sn 189.925	12.9321b	ppb	2.0170	15.6	5.2091
Sr 216.596	8538.50xb	ppb	8.5892	0.1	93877.7
Ti 334.941	18249.3b	ppb	104.857	0.6	5194282
Tl 190.794	10.5449b	ppb	2.7310	25.9	21.0552
V 292.401	227.576b	ppb	1.2894	0.6	6124.30
Zn 206.200	8952.16b	ppb	19.6168	0.2	8084.89

680-106162-a-4-b (Samp) **10/14/2014, 3:47:25 AM** **Rack 4, Tube 11**

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

Label	Replicates Concentration		
Ag 328.068	36.8744	36.5252	36.7958
Al 308.215	298600	298586	299508
As 188.980	44.5356	61.2158	54.3692
B 249.678	4760.39	4765.69	4790.07
Ba 389.178	3305.68	3319.35	3330.92
Be 313.042	2.8810	2.9127	2.9444
Ca 370.602	1297695x	1296438x	1302682x
Cd 226.502	151.789	152.587	152.825
Co 228.615	123.072	123.102	123.688
Cr 267.716	1684.78	1695.07	1700.82
Cu 324.754	4205.39	4235.55	4209.81
Fe 271.441	62958.4	63275.1	63429.8
K 766.491	1138770o	1152132o	1157059o
Mg 279.078	447923	448655	450955
Mn 257.610	104188x	105554x	105386x
Mo 202.032	366.519	371.615	370.008
Na 330.237	741475x	740110x	745044x
Ni 231.604	263.400	267.159	265.708
Pb 220.353	491.469	490.779	497.712
Sb 206.834	9.2594	2.0083	14.9185
Se 196.026	65.7220	62.3497	59.4529
Sn 189.925	22.1940	23.1703	30.0655
Sr 216.596	6761.54x	6806.82x	6820.91x
Ti 334.941	4254.83	4269.60	4286.40
Tl 190.794	37.9579	45.9792	47.4659
V 292.401	125.912	125.645	128.044
Zn 206.200	21283.8	21460.7	21503.9

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	36.7318b	ppb	0.1832	0.5	3140.66
Al 308.215	298898b	ppb	527.900	0.2	2004153
As 188.980	53.3735b	ppb	8.3845	15.7	28.6618
B 249.678	4772.05b	ppb	15.8296	0.3	72838.3
Ba 389.178	3318.65b	ppb	12.6327	0.4	68830.9
Be 313.042	2.9127b	ppb	0.0317	1.1	4763.58
Ca 370.602	1298938xb	ppb	3302	0.3	3136070
Cd 226.502	152.400b	ppb	0.5426	0.4	5961.99
Co 228.615	123.287b	ppb	0.3476	0.3	1373.90

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Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Cr 267.716	1693.55b	ppb	8.1280	0.5	85702.4
Cu 324.754	4216.92b	ppb	16.2839	0.4	304478
Fe 271.441	63221.1b	ppb	240.312	0.4	90014.5
K 766.491	1149320oxb	ppb	9462.88	0.8	51023328
Mg 279.078	449177b	ppb	1581.96	0.4	1108966
Mn 257.610	105043xb	ppb	744.848	0.7	22195574
Mo 202.032	369.380b	ppb	2.6055	0.7	2338.86
Na 330.237	742210xb	ppb	2547.60	0.3	38823.4
Ni 231.604	265.422b	ppb	1.8956	0.7	735.569
Pb 220.353	493.320b	ppb	3.8189	0.8	725.247
Sb 206.834	8.7288b	ppb	6.4714	74.1	30.0716
Se 196.026	62.5082b	ppb	3.1376	5.0	48.9019
Sn 189.925	25.1433b	ppb	4.2906	17.1	13.3874
Sr 216.596	6796.42xb	ppb	31.0221	0.5	74654.6
Ti 334.941	4270.27b	ppb	15.8000	0.4	1216047
Tl 190.794	43.8010b	ppb	5.1145	11.7	78.6714
V 292.401	126.534b	ppb	1.3148	1.0	3236.70
Zn 206.200	21416.1b	ppb	116.644	0.5	19356.4

CRI (Samp) **10/14/2014, 3:51:44 AM** **Rack 4, Tube 12**

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

Label	Replicates Concentration		
Ag 328.068	10.6773	10.6664	10.8630
Al 308.215	208.932	208.317	206.730
As 188.980	18.5412	23.3976	18.8912
B 249.678	185.279	177.918	172.540
Ba 389.178	9.9195	10.6063	10.8341
Be 313.042	4.1701	4.1792	4.1823
Ca 370.602	560.7	550.4	553.6
Cd 226.502	5.3904	5.3523	5.2254
Co 228.615	11.0623	11.4700	10.9207
Cr 267.716	10.3118	10.6150	10.6025
Cu 324.754	22.2791	22.1601	22.0918
Fe 271.441	54.4417	54.6694	56.4774
K 766.491	1158.77	1145.61	1132.85
Mg 279.078	544.570	546.016	537.626
Mn 257.610	17.7550	16.9314	16.3016
Mo 202.032	10.3137	10.8196	10.3782
Na 330.237	1072.67	1088.22	995.267
Ni 231.604	41.9653	45.0672	42.9672
Pb 220.353	13.3635	10.9127	12.3567
Sb 206.834	21.2389	17.2952	22.1224
Se 196.026	26.9423	18.4329	16.3490
Sn 189.925	53.7846	51.1824	53.0752
Sr 216.596	10.7470	11.2805	10.0989
Ti 334.941	11.4014	11.3157	11.1496
Tl 190.794	26.9317	22.4095	25.7600
V 292.401	10.3858	10.3951	10.2155
Zn 206.200	21.8269	21.2839	20.3547

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	10.7356	ppb	0.1105	1.0	828.964
Al 308.215	207.993	ppb	1.1366	0.5	1911.70

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
As 188.980	20.2766	ppb	2.7085	13.4	6.8494
B 249.678	178.579	ppb	6.3953	3.6	2764.72
Ba 389.178	10.4533	ppb	0.4761	4.6	156.136
Be 313.042	4.1772	ppb	0.0064	0.2	6609.45
Ca 370.602	554.9	ppb	5.221	0.9	1356
Cd 226.502	5.3227	ppb	0.0864	1.6	205.005
Co 228.615	11.1510	ppb	0.2852	2.6	114.747
Cr 267.716	10.5098	ppb	0.1716	1.6	560.207
Cu 324.754	22.1770	ppb	0.0948	0.4	1838.84
Fe 271.441	55.1961	ppb	1.1154	2.0	88.3035
K 766.491	1145.74	ppb	12.9617	1.1	51061.2
Mg 279.078	542.737	ppb	4.4855	0.8	1353.53
Mn 257.610	16.9960	ppb	0.7289	4.3	3642.11
Mo 202.032	10.5038	ppb	0.2754	2.6	71.8734
Na 330.237	1052.05	ppb	49.7884	4.7	77.2443
Ni 231.604	43.3332	ppb	1.5830	3.7	114.005
Pb 220.353	12.2110	ppb	1.2319	10.1	18.6940
Sb 206.834	20.2189	ppb	2.5702	12.7	31.3540
Se 196.026	20.5747	ppb	5.6120	27.3	10.4216
Sn 189.925	52.6807	ppb	1.3452	2.6	31.3822
Sr 216.596	10.7088	ppb	0.5917	5.5	118.842
Ti 334.941	11.2889	ppb	0.1280	1.1	3165.77
Tl 190.794	25.0338	ppb	2.3469	9.4	19.5366
V 292.401	10.3321	ppb	0.1011	1.0	262.041
Zn 206.200	21.1552	ppb	0.7445	3.5	19.9186

Cont Calib Verif (CCV) **10/14/2014, 3:56:02 AM** **Rack 4, Tube 13**

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

Label	Replicates Concentration		
Ag 328.068	498.105	496.869	495.842
Al 308.215	4820.25	4817.73	4789.33
As 188.980	456.494	473.835	467.915
B 249.678	522.470	520.497	517.281
Ba 389.178	4779.45	4777.34	4764.74
Be 313.042	484.850	484.931	482.860
Ca 370.602	4801	4823	4801
Cd 226.502	492.066	492.731	490.239
Co 228.615	493.877	494.932	492.216
Cr 267.716	4810.97	4810.18	4798.27
Cu 324.754	4977.00	4942.09	4941.50
Fe 271.441	4909.95	4926.06	4896.10
K 766.491	10005.9	9990.52	9896.97
Mg 279.078	4890.39	4907.25	4867.68
Mn 257.610	4903.77	4919.15	4897.23
Mo 202.032	478.895	477.128	476.032
Na 330.237	7674.04	7521.57	7592.73
Ni 231.604	2491.73	2490.00	2477.73
Pb 220.353	489.327	487.871	486.665
Sb 206.834	954.413	947.858	949.388
Se 196.026	4872.99	4865.60	4828.51
Sn 189.925	4903.58	4903.54	4888.29
Sr 216.596	2431.92	2433.08	2418.87
Ti 334.941	477.818	477.791	475.327

Label	Replicates Concentration		
Tl 190.794	4936.52	4914.60	4889.92
V 292.401	4826.06	4832.52	4808.81
Zn 206.200	2436.99	2447.41	2424.55

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Ag 328.068	496.939	ppb	1.1333	0.2	38921.8	99.38774
Al 308.215	4809.10	ppb	17.1727	0.4	33261.3	96.18208
As 188.980	466.081	ppb	8.8148	1.9	268.985	93.21623
B 249.678	520.083	ppb	2.6193	0.5	7986.50	104.01659
Ba 389.178	4773.84	ppb	7.9568	0.2	98174.3	95.47684
Be 313.042	484.214	ppb	1.1726	0.2	795019	96.84273
Ca 370.602	4808	ppb	12.60	0.3	11879	96.16360
Cd 226.502	491.679	ppb	1.2902	0.3	18422.0	98.33575
Co 228.615	493.675	ppb	1.3694	0.3	5186.46	98.73500
Cr 267.716	4806.47	ppb	7.1152	0.1	241644	96.12946
Cu 324.754	4953.53	ppb	20.3281	0.4	357528	99.07065
Fe 271.441	4910.70	ppb	14.9916	0.3	7096.38	98.21407
K 766.491	9964.45	ppb	58.9467	0.6	442561	99.64454
Mg 279.078	4888.44	ppb	19.8596	0.4	12008.9	97.76880
Mn 257.610	4906.72	ppb	11.2530	0.2	1036720	98.13435
Mo 202.032	477.352	ppb	1.4444	0.3	3019.54	95.47032
Na 330.237	7596.11	ppb	76.2881	1.0	368.108	101.28151
Ni 231.604	2486.48	ppb	7.6354	0.3	6899.42	99.45938
Pb 220.353	487.955	ppb	1.3328	0.3	709.755	97.59094
Sb 206.834	950.553	ppb	3.4296	0.4	1316.40	95.05530
Se 196.026	4855.70	ppb	23.8368	0.5	1947.66	97.11404
Sn 189.925	4898.47	ppb	8.8160	0.2	3234.04	97.96941
Sr 216.596	2427.96	ppb	7.8905	0.3	26429.5	97.11824
Ti 334.941	476.979	ppb	1.4306	0.3	135712	95.39571
Tl 190.794	4913.68	ppb	23.3142	0.5	4868.01	98.27367
V 292.401	4822.46	ppb	12.2604	0.3	125103	96.44925
Zn 206.200	2436.32	ppb	11.4479	0.5	2190.83	97.45264

Cont Calib Blank (CCB) **10/14/2014, 4:00:21 AM** **Rack 4, Tube 14**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Replicates Concentration		
Ag 328.068	-0.1084u	0.3119	-0.1504u
Al 308.215	-5.1262u	-3.0277u	-4.5503u
As 188.980	-2.5036u	-1.2479u	-3.2955u
B 249.678	26.4215	24.9056	23.8347
Ba 389.178	-0.0015u	0.3273	0.4717
Be 313.042	0.0068	0.0068	0.0116
Ca 370.602	11.30	15.83	12.91
Cd 226.502	0.1715	0.3034	0.2976
Co 228.615	0.7343	1.2613	0.9097
Cr 267.716	0.3094	0.2792	0.3960
Cu 324.754	0.5831	0.4684	0.6430
Fe 271.441	2.7359	-1.4038u	8.2418
K 766.491	15.5782	15.8722	15.6320
Mg 279.078	8.1639	6.3907	6.4615
Mn 257.610	1.2796	1.4488	1.3624
Mo 202.032	0.5294	-0.0966u	0.5740
Na 330.237	69.0030	227.163	-106.145u

Label	Replicates Concentration		
Ni 231.604	1.6103	-0.8237u	0.0665
Pb 220.353	0.9022	2.3636	1.7658
Sb 206.834	-3.1818u	0.4714	0.9668
Se 196.026	4.1271	-5.1413u	-2.3600u
Sn 189.925	-2.5576u	-0.8300u	-2.5276u
Sr 216.596	0.5893	0.1134	0.2349
Ti 334.941	0.3158	0.3742	0.2853
Tl 190.794	2.1067	3.4426	1.1477
V 292.401	0.0298	0.4425	0.4988
Zn 206.200	0.6559	0.7708	0.9385

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Ag 328.068	0.0177	ppb	0.2556	1446.0	-11.4687	0.01768
Al 308.215	-4.2347	ppb	1.0842	25.6	487.560	-4.23474
As 188.980	-2.3490	ppb	1.0325	44.0	-6.4590	-2.34899
B 249.678	25.0539	ppb	1.2997	5.2	418.154	25.05394
Ba 389.178	0.2658	ppb	0.2425	91.2	-54.2388	0.26581
Be 313.042	0.0084	ppb	0.0028	33.0	-235.013	0.00841
Ca 370.602	13.35	ppb	2.293	17.2	46.13	13.34579
Cd 226.502	0.2575	ppb	0.0746	29.0	15.2780	0.25751
Co 228.615	0.9684	ppb	0.2683	27.7	7.8682	0.96844
Cr 267.716	0.3282	ppb	0.0606	18.5	48.3550	0.32821
Cu 324.754	0.5649	ppb	0.0887	15.7	279.505	0.56486
Fe 271.441	3.1913	ppb	4.8389	151.6	13.0556	3.19129
K 766.491	15.6941	ppb	0.1565	1.0	893.495	15.69412
Mg 279.078	7.0054	ppb	1.0039	14.3	28.7591	7.00539
Mn 257.610	1.3636	ppb	0.0846	6.2	335.343	1.36358
Mo 202.032	0.3356	ppb	0.3749	111.7	7.5730	0.33561
Na 330.237	63.3403	ppb	166.726	263.2	25.3859	63.34028
Ni 231.604	0.2843	ppb	1.2316	433.1	-5.5487	0.28435
Pb 220.353	1.6772	ppb	0.7347	43.8	3.4807	1.67722
Sb 206.834	-0.5812	ppb	2.2658	389.8	3.6816	-0.58120
Se 196.026	-1.1247	ppb	4.7561	422.9	1.7286	-1.12474
Sn 189.925	-1.9718	ppb	0.9889	50.2	-4.7388	-1.97176
Sr 216.596	0.3125	ppb	0.2473	79.1	6.3624	0.31254
Ti 334.941	0.3251	ppb	0.0452	13.9	44.5281	0.32511
Tl 190.794	2.2323	ppb	1.1526	51.6	-3.0497	2.23232
V 292.401	0.3237	ppb	0.2561	79.1	3.7059	0.32372
Zn 206.200	0.7884	ppb	0.1421	18.0	1.5332	0.78837

mb 680-353249/1-a (Samp) **10/14/2014, 4:04:40 AM** **Rack 4, Tube 15**

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

Label	Replicates Concentration		
Ag 328.068	0.3747	-0.2419u	0.2116
Al 308.215	-1.4835u	-3.1912u	-4.1076u
As 188.980	-1.7017u	-1.0813u	-2.4887u
B 249.678	14.8795	14.5660	14.3231
Ba 389.178	-0.2839u	0.1222	-0.6987u
Be 313.042	-0.0214u	-0.0185u	-0.0144u
Ca 370.602	13.10	6.757	14.82
Cd 226.502	0.1403	0.3410	0.1764
Co 228.615	0.2884	0.7356	0.2973
Cr 267.716	0.6251	0.6238	0.7885

Label	Replicates Concentration		
Cu 324.754	0.9197	0.7850	0.1769
Fe 271.441	11.8291	10.1741	13.3183
K 766.491	15.0065	14.4878	14.0181
Mg 279.078	7.6130	9.7082	3.9630
Mn 257.610	0.3471	0.3512	0.3017
Mo 202.032	-0.1591u	0.3071	-0.3668u
Na 330.237	67.1379	-32.1691u	101.389
Ni 231.604	2.6351	1.4539	1.1873
Pb 220.353	0.2849	0.8594	0.0672
Sb 206.834	-1.6034u	0.5857	-2.0058u
Se 196.026	2.1335	1.1140	-5.7561u
Sn 189.925	7.0463	5.4931	5.5964
Sr 216.596	-0.1204u	0.1486	-0.2827u
Ti 334.941	0.2336	0.2730	0.2162
Tl 190.794	-2.2615u	0.2129	-0.1619u
V 292.401	0.0154	-0.0480u	0.0496
Zn 206.200	3.1118	4.2524	3.9303

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	0.1148	ppb	0.3195	278.3	-3.8384
Al 308.215	-2.9274	ppb	1.3318	45.5	496.278
As 188.980	-1.7573	ppb	0.7053	40.1	-6.1108
B 249.678	14.5895	ppb	0.2789	1.9	258.208
Ba 389.178	-0.2868	ppb	0.4105	143.1	-65.6071
Be 313.042	-0.0181	ppb	0.0035	19.5	-278.494
Ca 370.602	11.56	ppb	4.248	36.7	41.69
Cd 226.502	0.2192	ppb	0.1070	48.8	13.8747
Co 228.615	0.4404	ppb	0.2557	58.0	2.3280
Cr 267.716	0.6791	ppb	0.0947	13.9	65.9996
Cu 324.754	0.6272	ppb	0.3958	63.1	283.993
Fe 271.441	11.7738	ppb	1.5728	13.4	25.2247
K 766.491	14.5041	ppb	0.4944	3.4	840.664
Mg 279.078	7.0948	ppb	2.9075	41.0	28.9992
Mn 257.610	0.3333	ppb	0.0275	8.2	117.707
Mo 202.032	-0.0729	ppb	0.3451	473.2	4.9891
Na 330.237	45.4526	ppb	69.3695	152.6	24.3775
Ni 231.604	1.7588	ppb	0.7706	43.8	-1.4518
Pb 220.353	0.4038	ppb	0.4093	101.4	1.6398
Sb 206.834	-1.0079	ppb	1.3946	138.4	3.1252
Se 196.026	-0.8362	ppb	4.2911	513.2	1.8440
Sn 189.925	6.0453	ppb	0.8685	14.4	0.5598
Sr 216.596	-0.0848	ppb	0.2179	256.8	2.0049
Ti 334.941	0.2409	ppb	0.0291	12.1	20.5777
Tl 190.794	-0.7368	ppb	1.3337	181.0	-5.9910
V 292.401	0.0057	ppb	0.0495	875.9	-4.5122
Zn 206.200	3.7648	ppb	0.5880	15.6	4.2232

lcs 680-353249/2-a (Samp) **10/14/2014, 4:08:59 AM** **Rack 4, Tube 16**

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

Label	Replicates Concentration		
Ag 328.068	50.1062	49.7061	49.7931
Al 308.215	4758.56	4744.02	4769.26
As 188.980	92.4069	94.5307	98.9859

Label	Replicates Concentration		
B 249.678	196.906	197.281	199.153
Ba 389.178	95.8544	95.1347	96.8312
Be 313.042	49.9646	49.8016	50.0235
Ca 370.602	4745	4717	4730
Cd 226.502	49.9121	49.8224	50.2582
Co 228.615	50.0021	49.8293	50.7255
Cr 267.716	99.6254	98.7101	99.1704
Cu 324.754	98.9206	99.8037	97.9572
Fe 271.441	4932.67	4914.34	4946.62
K 766.491	4903.19	4892.35	4899.40
Mg 279.078	4836.96	4824.59	4855.49
Mn 257.610	506.214	504.438	507.516
Mo 202.032	96.6765	94.6793	95.0686
Na 330.237	4696.54	4656.52	4612.33
Ni 231.604	100.625	100.326	101.976
Pb 220.353	491.344	489.591	495.687
Sb 206.834	43.2476	47.3032	45.1848
Se 196.026	105.261	101.319	90.4735
Sn 189.925	204.862	201.779	202.132
Sr 216.596	97.0315	96.2513	97.6271
Ti 334.941	97.4572	97.1403	97.6759
Tl 190.794	41.2901	37.8572	38.8495
V 292.401	98.5907	98.1384	98.3702
Zn 206.200	102.678	100.715	103.380

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	49.8684	ppb	0.2104	0.4	3897.35
Al 308.215	4757.28	ppb	12.6664	0.3	32426.9
As 188.980	95.3078	ppb	3.3576	3.5	50.9785
B 249.678	197.780	ppb	1.2037	0.6	3048.21
Ba 389.178	95.9401	ppb	0.8515	0.9	1923.49
Be 313.042	49.9299	ppb	0.1150	0.2	81730.6
Ca 370.602	4731	ppb	14.21	0.3	11421
Cd 226.502	49.9975	ppb	0.2301	0.5	1896.10
Co 228.615	50.1857	ppb	0.4755	0.9	524.561
Cr 267.716	99.1686	ppb	0.4576	0.5	5020.78
Cu 324.754	98.8938	ppb	0.9236	0.9	7377.26
Fe 271.441	4931.21	ppb	16.1896	0.3	7033.89
K 766.491	4898.31	ppb	5.5024	0.1	217653
Mg 279.078	4839.01	ppb	15.5492	0.3	11969.6
Mn 257.610	506.056	ppb	1.5452	0.3	107010
Mo 202.032	95.4748	ppb	1.0587	1.1	609.002
Na 330.237	4655.13	ppb	42.1192	0.9	264.790
Ni 231.604	100.975	ppb	0.8793	0.9	274.400
Pb 220.353	492.207	ppb	3.1383	0.6	712.312
Sb 206.834	45.2452	ppb	2.0285	4.5	64.4684
Se 196.026	99.0181	ppb	7.6578	7.7	41.9709
Sn 189.925	202.925	ppb	1.6874	0.8	130.682
Sr 216.596	96.9700	ppb	0.6899	0.7	1064.18
Ti 334.941	97.4245	ppb	0.2693	0.3	27688.6
Tl 190.794	39.3323	ppb	1.7666	4.5	33.2987
V 292.401	98.3664	ppb	0.2261	0.2	2536.39
Zn 206.200	102.258	ppb	1.3812	1.4	92.8265

640-49420-a-9-a (Samp) **10/14/2014, 4:13:18 AM** **Rack 4, Tube 17**

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

Label	Replicates Concentration		
Ag 328.068	-0.1684u	-0.3394u	-0.1755u
Al 308.215	5579.02	5591.61	5568.18
As 188.980	4.9052	4.5458	5.0423
B 249.678	11.6942	11.0288	10.7543
Ba 389.178	14.5282	14.5619	14.4425
Be 313.042	0.0224	0.0217	0.0305
Ca 370.602	374.5	372.8	382.3
Cd 226.502	0.1132	0.1297	0.1219
Co 228.615	1.1716	0.8464	0.7356
Cr 267.716	9.1876	9.1641	9.1582
Cu 324.754	1.7857	1.5116	1.5620
Fe 271.441	3413.46	3435.44	3418.17
K 766.491	225.147	226.177	224.578
Mg 279.078	361.828	359.982	367.771
Mn 257.610	10.7795	10.8031	10.8802
Mo 202.032	1.0352	1.4423	1.0097
Na 330.237	34.0278	69.4984	46.5436
Ni 231.604	4.2317	3.6157	3.3504
Pb 220.353	6.8906	7.5552	8.6436
Sb 206.834	0.7751	-3.7024u	-3.6555u
Se 196.026	-0.1057u	1.4323	11.6223
Sn 189.925	9.4639	5.8465	7.7435
Sr 216.596	4.9169	4.8751	5.2146
Ti 334.941	137.259	136.302	136.039
Tl 190.794	-3.9633u	-4.7181u	-1.1764u
V 292.401	11.3999	11.1260	11.4519
Zn 206.200	7.1812	6.8858	7.1418

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.2278	ppb	0.0968	42.5	-31.3038
Al 308.215	5579.60	ppb	11.7219	0.2	37922.6
As 188.980	4.8311	ppb	0.2564	5.3	-2.2029
B 249.678	11.1591	ppb	0.4833	4.3	198.557
Ba 389.178	14.5108	ppb	0.0615	0.4	241.039
Be 313.042	0.0249	ppb	0.0049	19.6	-207.093
Ca 370.602	376.5	ppb	5.078	1.3	938.4
Cd 226.502	0.1216	ppb	0.0082	6.8	23.8567
Co 228.615	0.9179	ppb	0.2266	24.7	10.1757
Cr 267.716	9.1699	ppb	0.0155	0.2	494.638
Cu 324.754	1.6198	ppb	0.1459	9.0	356.925
Fe 271.441	3422.35	ppb	11.5726	0.3	4879.96
K 766.491	225.301	ppb	0.8106	0.4	10198.8
Mg 279.078	363.194	ppb	4.0701	1.1	907.664
Mn 257.610	10.8209	ppb	0.0527	0.5	2345.96
Mo 202.032	1.1624	ppb	0.2427	20.9	12.6428
Na 330.237	50.0232	ppb	17.9895	36.0	23.3640
Ni 231.604	3.7326	ppb	0.4522	12.1	4.2911
Pb 220.353	7.6964	ppb	0.8850	11.5	11.8462
Sb 206.834	-2.1943	ppb	2.5716	117.2	1.7195
Se 196.026	4.3163	ppb	6.3737	147.7	3.9361
Sn 189.925	7.6846	ppb	1.8094	23.5	1.6433
Sr 216.596	5.0022	ppb	0.1851	3.7	61.2032

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ti 334.941	136.533	ppb	0.6423	0.5	38811.7
Tl 190.794	-3.2860	ppb	1.8655	56.8	-8.9079
V 292.401	11.3259	ppb	0.1751	1.5	292.467
Zn 206.200	7.0696	ppb	0.1604	2.3	7.0589

640-49420-a-9-aSD (Samp) **10/14/2014, 4:17:37 AM** **Rack 4, Tube 18**

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

Label	Replicates Concentration		
Ag 328.068	0.2275	-0.1372u	-0.3052u
Al 308.215	1095.70	1101.72	1097.02
As 188.980	0.6689	0.2102	-5.4816u
B 249.678	7.3260	6.4783	7.1257
Ba 389.178	2.8828	2.2465	2.4574
Be 313.042	0.0009	-0.0090u	-0.0091u
Ca 370.602	78.96	76.61	74.31
Cd 226.502	0.3501	0.1135	0.1909
Co 228.615	0.9821	0.7411	0.6508
Cr 267.716	1.7297	1.9037	1.7052
Cu 324.754	0.4220	0.4152	0.2631
Fe 271.441	680.665	682.084	685.291
K 766.491	48.0301	48.9762	48.2298
Mg 279.078	76.9130	75.0068	77.1755
Mn 257.610	2.2653	2.2038	2.1776
Mo 202.032	0.2673	-0.1554u	0.5899
Na 330.237	146.220	-25.5454u	-26.3296u
Ni 231.604	2.7908	1.9652	1.7174
Pb 220.353	3.5641	1.6474	1.3641
Sb 206.834	-2.7046u	-0.9218u	0.0356
Se 196.026	0.2609	7.6678	0.0723
Sn 189.925	-5.0018u	-2.2875u	2.1654
Sr 216.596	1.0792	1.1093	0.8101
Ti 334.941	26.3229	26.8392	26.9278
Tl 190.794	-3.4754u	1.4830	3.6404
V 292.401	1.8492	2.1112	1.9236
Zn 206.200	1.2535	3.0325	1.8010

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.0716	ppb	0.2724	380.2	-18.5731
Al 308.215	1098.14	ppb	3.1645	0.3	7878.04
As 188.980	-1.5341	ppb	3.4263	223.3	-5.9731
B 249.678	6.9767	ppb	0.4430	6.4	140.430
Ba 389.178	2.5289	ppb	0.3241	12.8	-7.2451
Be 313.042	-0.0057	ppb	0.0057	100.2	-257.989
Ca 370.602	76.62	ppb	2.326	3.0	201.7
Cd 226.502	0.2182	ppb	0.1207	55.3	16.5183
Co 228.615	0.7913	ppb	0.1712	21.6	6.5690
Cr 267.716	1.7796	ppb	0.1082	6.1	121.672
Cu 324.754	0.3668	ppb	0.0898	24.5	265.473
Fe 271.441	682.680	ppb	2.3700	0.3	980.248
K 766.491	48.4121	ppb	0.4987	1.0	2345.98
Mg 279.078	76.3651	ppb	1.1836	1.5	199.919
Mn 257.610	2.2156	ppb	0.0450	2.0	517.829
Mo 202.032	0.2339	ppb	0.3737	159.8	6.8988

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Na 330.237	31.4483	ppb	99.3957	316.1	23.4211
Ni 231.604	2.1578	ppb	0.5620	26.0	-0.2929
Pb 220.353	2.1919	ppb	1.1968	54.6	4.1583
Sb 206.834	-1.1969	ppb	1.3907	116.2	2.9008
Se 196.026	2.6670	ppb	4.3318	162.4	3.2524
Sn 189.925	-1.7079	ppb	3.6186	211.9	-4.5644
Sr 216.596	0.9996	ppb	0.1647	16.5	14.5532
Ti 334.941	26.6966	ppb	0.3267	1.2	7550.32
Tl 190.794	0.5493	ppb	3.6487	664.2	-4.7945
V 292.401	1.9614	ppb	0.1350	6.9	46.8882
Zn 206.200	2.0290	ppb	0.9111	44.9	2.6253

640-49420-a-9-aPDS (Samp) **10/14/2014, 4:21:56 AM** **Rack 4, Tube 19**

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

Label	Replicates Concentration		
Ag 328.068	94.7429	94.9494	95.0939
Al 308.215	6534.89	6563.02	6559.44
As 188.980	92.4040	92.8596	97.0159
B 249.678	196.512	197.986	198.950
Ba 389.178	96.2372	96.3496	95.7788
Be 313.042	96.3908	96.8316	96.8249
Ca 370.602	9689	9732	9774
Cd 226.502	96.9997	97.8787	97.9232
Co 228.615	99.4922	100.482	99.3209
Cr 267.716	105.779	106.374	106.736
Cu 324.754	99.6415	101.421	101.723
Fe 271.441	13101.8	13141.8	13168.0
K 766.491	10005.4	10047.7	10071.7
Mg 279.078	10065.0	10122.2	10129.6
Mn 257.610	1020.64	1024.37	1025.97
Mo 202.032	96.0892	97.5920	96.3846
Na 330.237	8556.17	8498.78	8614.77
Ni 231.604	101.681	102.571	101.880
Pb 220.353	106.781	105.191	108.672
Sb 206.834	90.4079	95.3210	92.9747
Se 196.026	94.1326	80.2520	90.8867
Sn 189.925	106.241	107.105	105.830
Sr 216.596	101.246	102.190	102.463
Ti 334.941	231.455	232.093	231.334
Tl 190.794	15.1914	17.4763	18.8192
V 292.401	108.915	109.770	110.021
Zn 206.200	106.860	103.666	106.300

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	94.9287	ppb	0.1764	0.2	7432.67
Al 308.215	6552.45	ppb	15.3116	0.2	44474.4
As 188.980	94.0932	ppb	2.5414	2.7	50.2333
B 249.678	197.816	ppb	1.2281	0.6	3032.15
Ba 389.178	96.1219	ppb	0.3024	0.3	1938.14
Be 313.042	96.6824	ppb	0.2526	0.3	158501
Ca 370.602	9731	ppb	42.37	0.4	23460
Cd 226.502	97.6005	ppb	0.5208	0.5	3709.89
Co 228.615	99.7652	ppb	0.6270	0.6	1048.38

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Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Cr 267.716	106.296	ppb	0.4833	0.5	5384.83
Cu 324.754	100.928	ppb	1.1247	1.1	7527.36
Fe 271.441	13137.2	ppb	33.3083	0.3	18719.6
K 766.491	10041.6	ppb	33.6047	0.3	445985
Mg 279.078	10105.6	ppb	35.3383	0.3	24986.4
Mn 257.610	1023.66	ppb	2.7336	0.3	216425
Mo 202.032	96.6886	ppb	0.7962	0.8	616.313
Na 330.237	8556.57	ppb	57.9967	0.7	468.919
Ni 231.604	102.044	ppb	0.4668	0.5	277.883
Pb 220.353	106.882	ppb	1.7428	1.6	154.714
Sb 206.834	92.9012	ppb	2.4574	2.6	128.294
Se 196.026	88.4238	ppb	7.2607	8.2	37.8952
Sn 189.925	106.392	ppb	0.6505	0.6	66.8829
Sr 216.596	101.966	ppb	0.6388	0.6	1129.08
Ti 334.941	231.627	ppb	0.4074	0.2	65893.5
Tl 190.794	17.1623	ppb	1.8342	10.7	10.7471
V 292.401	109.569	ppb	0.5798	0.5	2832.23
Zn 206.200	105.609	ppb	1.7059	1.6	95.5285

640-49420-a-9-b ms (Samp) **10/14/2014, 4:26:15 AM** **Rack 4, Tube 20**

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

Label	Replicates Concentration		
Ag 328.068	52.2418	52.5928	52.5635
Al 308.215	13148.6	13187.0	13173.3
As 188.980	95.6112	98.0946	101.032
B 249.678	198.137	199.729	199.660
Ba 389.178	116.301	116.992	117.720
Be 313.042	52.1300	52.3365	52.2257
Ca 370.602	5361	5387	5376
Cd 226.502	52.0011	52.2269	51.9075
Co 228.615	52.7629	53.2005	52.8032
Cr 267.716	113.259	113.957	113.801
Cu 324.754	106.652	105.043	105.692
Fe 271.441	9372.31	9410.36	9363.67
K 766.491	5354.12	5367.06	5350.74
Mg 279.078	5493.63	5511.67	5514.68
Mn 257.610	540.733	543.065	541.853
Mo 202.032	98.7931	98.3903	99.7767
Na 330.237	4853.94	4744.74	4890.49
Ni 231.604	107.570	108.319	109.466
Pb 220.353	512.884	518.855	516.854
Sb 206.834	29.3664	29.8678	28.5152
Se 196.026	94.9432	94.1206	92.9765
Sn 189.925	205.034	205.779	207.771
Sr 216.596	104.486	105.916	105.972
Ti 334.941	224.114	223.034	220.666
Tl 190.794	39.7694	37.1302	39.8216
V 292.401	116.878	117.015	116.319
Zn 206.200	112.797	113.110	113.071

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	52.4660	ppb	0.1948	0.4	4100.40
Al 308.215	13169.6	ppb	19.4766	0.1	88823.8

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
As 188.980	98.2459	ppb	2.7135	2.8	52.7591
B 249.678	199.175	ppb	0.8998	0.5	3059.97
Ba 389.178	117.004	ppb	0.7098	0.6	2359.97
Be 313.042	52.2307	ppb	0.1034	0.2	85509.9
Ca 370.602	5375	ppb	13.17	0.2	12977
Cd 226.502	52.0452	ppb	0.1642	0.3	1990.41
Co 228.615	52.9222	ppb	0.2418	0.5	555.946
Cr 267.716	113.672	ppb	0.3667	0.3	5752.18
Cu 324.754	105.796	ppb	0.8098	0.8	7876.86
Fe 271.441	9382.12	ppb	24.8404	0.3	13369.6
K 766.491	5357.31	ppb	8.6126	0.2	238030
Mg 279.078	5506.66	ppb	11.3835	0.2	13617.5
Mn 257.610	541.884	ppb	1.1665	0.2	114597
Mo 202.032	98.9867	ppb	0.7132	0.7	631.004
Na 330.237	4829.72	ppb	75.8334	1.6	272.392
Ni 231.604	108.451	ppb	0.9546	0.9	295.501
Pb 220.353	516.198	ppb	3.0389	0.6	746.573
Sb 206.834	29.2498	ppb	0.6838	2.3	43.3938
Se 196.026	94.0134	ppb	0.9877	1.1	40.0082
Sn 189.925	206.195	ppb	1.4149	0.7	132.843
Sr 216.596	105.458	ppb	0.8422	0.8	1161.50
Ti 334.941	222.605	ppb	1.7637	0.8	63317.9
Tl 190.794	38.9071	ppb	1.5391	4.0	32.3812
V 292.401	116.737	ppb	0.3685	0.3	3016.36
Zn 206.200	112.992	ppb	0.1706	0.2	102.327

640-49420-a-9-c msd (Samp) **10/14/2014, 4:30:34 AM** **Rack 4, Tube 21**

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

Label	Replicates Concentration		
Ag 328.068	51.6385	51.9763	51.9741
Al 308.215	12426.2	12425.5	12441.2
As 188.980	100.618	97.5454	93.8378
B 249.678	196.829	198.611	199.133
Ba 389.178	112.848	114.199	114.273
Be 313.042	51.5245	51.6190	51.6913
Ca 370.602	5259	5284	5295
Cd 226.502	51.4524	51.5130	51.7210
Co 228.615	52.8103	53.0735	52.0995
Cr 267.716	111.431	111.918	112.221
Cu 324.754	104.442	104.684	104.519
Fe 271.441	8737.54	8742.06	8749.25
K 766.491	5261.99	5260.43	5270.72
Mg 279.078	5409.17	5426.84	5443.47
Mn 257.610	533.963	535.185	536.188
Mo 202.032	98.3528	99.2431	99.9622
Na 330.237	4727.20	4852.93	4612.71
Ni 231.604	105.633	107.014	105.823
Pb 220.353	519.385	514.349	519.718
Sb 206.834	28.2819	28.9212	27.8111
Se 196.026	102.347	100.059	100.717
Sn 189.925	199.149	207.547	204.901
Sr 216.596	105.313	104.527	104.089
Ti 334.941	222.242	222.547	224.158

Label	Replicates Concentration		
Tl 190.794	39.6166	37.4992	40.4516
V 292.401	113.532	113.907	114.262
Zn 206.200	114.865	109.957	114.884

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	51.8630	ppb	0.1944	0.4	4053.19
Al 308.215	12431.0	ppb	8.8605	0.1	83871.3
As 188.980	97.3337	ppb	3.3950	3.5	52.2192
B 249.678	198.191	ppb	1.2081	0.6	3046.26
Ba 389.178	113.773	ppb	0.8020	0.7	2293.06
Be 313.042	51.6116	ppb	0.0837	0.2	84493.0
Ca 370.602	5279	ppb	18.63	0.4	12754
Cd 226.502	51.5621	ppb	0.1409	0.3	1969.78
Co 228.615	52.6611	ppb	0.5038	1.0	553.159
Cr 267.716	111.857	ppb	0.3988	0.4	5660.62
Cu 324.754	104.548	ppb	0.1240	0.1	7786.69
Fe 271.441	8742.95	ppb	5.9040	0.1	12459.8
K 766.491	5264.38	ppb	5.5464	0.1	233905
Mg 279.078	5426.50	ppb	17.1511	0.3	13419.6
Mn 257.610	535.112	ppb	1.1142	0.2	113164
Mo 202.032	99.1861	ppb	0.8062	0.8	632.295
Na 330.237	4730.95	ppb	120.154	2.5	267.302
Ni 231.604	106.156	ppb	0.7489	0.7	289.077
Pb 220.353	517.817	ppb	3.0085	0.6	748.959
Sb 206.834	28.3381	ppb	0.5572	2.0	42.1349
Se 196.026	101.041	ppb	1.1780	1.2	42.8162
Sn 189.925	203.866	ppb	4.2936	2.1	131.304
Sr 216.596	104.643	ppb	0.6202	0.6	1151.94
Ti 334.941	222.982	ppb	1.0300	0.5	63425.0
Tl 190.794	39.1891	ppb	1.5219	3.9	32.7297
V 292.401	113.900	ppb	0.3650	0.3	2942.39
Zn 206.200	113.235	ppb	2.8392	2.5	102.576

640-49420-a-1-a (Samp) **10/14/2014, 4:34:52 AM** **Rack 4, Tube 22**

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

Label	Replicates Concentration		
Ag 328.068	0.0033u	-0.3025u	-0.3465u
Al 308.215	14268.2	14258.9	14296.5
As 188.980	2.8084	5.9305	8.0604
B 249.678	9.0045	9.0298	8.1900
Ba 389.178	22.1672	22.2447	22.4810
Be 313.042	0.1064	0.1009	0.1012
Ca 370.602	1353	1353	1356
Cd 226.502	-0.1058	0.2324	0.1734
Co 228.615	1.3464	1.1216	1.9197
Cr 267.716	15.5369	15.5787	15.8208
Cu 324.754	4.4444	4.5216	4.5092
Fe 271.441	6677.43	6676.07	6683.77
K 766.491	302.231	300.654	300.590
Mg 279.078	710.973	706.536	706.683
Mn 257.610	37.3155	37.0429	37.1471
Mo 202.032	0.8535	1.3930	1.3595
Na 330.237	81.9820	118.831	82.0375

Label	Replicates Concentration		
Ni 231.604	7.2351	5.7070	7.2086
Pb 220.353	43.8638	44.9253	47.8124
Sb 206.834	-4.5176u	-1.4682u	3.5651
Se 196.026	-2.1280u	-2.4571u	6.5870
Sn 189.925	5.6306	4.3882	6.6322
Sr 216.596	7.7592	7.1562	7.0311
Ti 334.941	199.568	200.453	199.331
Tl 190.794	-2.9980u	-2.2575u	-0.2885u
V 292.401	23.0171	23.1340	22.8789
Zn 206.200	33.5805	31.6248	31.1375

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.2152	ppb	0.1906	88.5	-30.7222
Al 308.215	14274.5	ppb	19.5763	0.1	96210.7
As 188.980	5.5998	ppb	2.6416	47.2	-1.6881
B 249.678	8.7414	ppb	0.4777	5.5	154.768
Ba 389.178	22.2976	ppb	0.1635	0.7	403.341
Be 313.042	0.1028	ppb	0.0031	3.0	-77.5801
Ca 370.602	1354	ppb	2.020	0.1	3287
Cd 226.502	0.1000	ppb	0.1806	180.6	36.0074
Co 228.615	1.4625	ppb	0.4115	28.1	17.3309
Cr 267.716	15.6455	ppb	0.1533	1.0	821.839
Cu 324.754	4.4917	ppb	0.0414	0.9	565.309
Fe 271.441	6679.09	ppb	4.1126	0.1	9515.71
K 766.491	301.158	ppb	0.9298	0.3	13566.4
Mg 279.078	708.064	ppb	2.5203	0.4	1757.18
Mn 257.610	37.1685	ppb	0.1376	0.4	7924.27
Mo 202.032	1.2020	ppb	0.3022	25.1	12.7406
Na 330.237	94.2837	ppb	21.2591	22.5	24.1545
Ni 231.604	6.7169	ppb	0.8747	13.0	12.8293
Pb 220.353	45.5338	ppb	2.0434	4.5	66.2214
Sb 206.834	-0.8069	ppb	4.0817	505.8	3.7336
Se 196.026	0.6673	ppb	5.1292	768.7	2.5056
Sn 189.925	5.5503	ppb	1.1241	20.3	0.2327
Sr 216.596	7.3155	ppb	0.3893	5.3	90.1711
Ti 334.941	199.784	ppb	0.5919	0.3	56814.7
Tl 190.794	-1.8480	ppb	1.4004	75.8	-7.8458
V 292.401	23.0100	ppb	0.1277	0.6	598.008
Zn 206.200	32.1143	ppb	1.2930	4.0	29.5616

640-49420-a-2-a (Samp) **10/14/2014, 4:39:11 AM** **Rack 4, Tube 23**

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

Label	Replicates Concentration		
Ag 328.068	-0.3998u	0.1307	-0.2428u
Al 308.215	7746.47	7732.52	7722.95
As 188.980	-2.8350u	-3.7006u	-2.0325u
B 249.678	5.3991	5.0571	5.0982
Ba 389.178	7.3088	7.5927	6.8607
Be 313.042	0.0266	0.0291	0.0263
Ca 370.602	380.4	379.3	377.7
Cd 226.502	0.0624	0.0442	0.1294
Co 228.615	1.3198	1.0118	1.0463
Cr 267.716	8.3040	8.0496	8.2211

Label	Replicates Concentration		
Cu 324.754	1.5394	1.4376	1.4636
Fe 271.441	3363.03	3361.93	3345.81
K 766.491	156.957	155.789	155.661
Mg 279.078	286.422	285.788	287.605
Mn 257.610	8.5209	8.4792	8.4307
Mo 202.032	1.1184	1.1626	0.7285
Na 330.237	31.1070	-134.280u	215.940
Ni 231.604	3.7947	4.1407	4.6143
Pb 220.353	5.1404	6.2036	5.8908
Sb 206.834	-1.0890u	-1.0164u	0.0955
Se 196.026	1.4901	0.9500	0.0600
Sn 189.925	5.4594	5.1971	6.5718
Sr 216.596	3.7049	3.6349	3.4049
Ti 334.941	128.798	127.210	126.422
Tl 190.794	-1.6056u	-3.2691u	0.4306
V 292.401	15.2183	15.3815	15.0509
Zn 206.200	8.4258	8.0726	7.1796

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.1706	ppb	0.2725	159.7	-26.7554
Al 308.215	7733.98	ppb	11.8259	0.2	52363.6
As 188.980	-2.8560	ppb	0.8342	29.2	-6.7042
B 249.678	5.1848	ppb	0.1867	3.6	107.414
Ba 389.178	7.2540	ppb	0.3691	5.1	91.6132
Be 313.042	0.0273	ppb	0.0016	5.7	-202.639
Ca 370.602	379.1	ppb	1.356	0.4	942.0
Cd 226.502	0.0787	ppb	0.0448	57.0	21.9563
Co 228.615	1.1260	ppb	0.1688	15.0	12.1843
Cr 267.716	8.1916	ppb	0.1297	1.6	445.372
Cu 324.754	1.4802	ppb	0.0529	3.6	346.765
Fe 271.441	3356.92	ppb	9.6444	0.3	4786.86
K 766.491	156.135	ppb	0.7139	0.5	7128.27
Mg 279.078	286.605	ppb	0.9222	0.3	717.513
Mn 257.610	8.4770	ppb	0.0451	0.5	1849.96
Mo 202.032	1.0032	ppb	0.2389	23.8	11.6350
Na 330.237	37.5891	ppb	175.200	466.1	22.7150
Ni 231.604	4.1832	ppb	0.4114	9.8	5.5380
Pb 220.353	5.7450	ppb	0.5464	9.5	9.0047
Sb 206.834	-0.6700	ppb	0.6639	99.1	3.7392
Se 196.026	0.8333	ppb	0.7221	86.7	2.5404
Sn 189.925	5.7428	ppb	0.7298	12.7	0.3599
Sr 216.596	3.5816	ppb	0.1570	4.4	45.6246
Ti 334.941	127.477	ppb	1.2101	0.9	36234.1
Tl 190.794	-1.4814	ppb	1.8530	125.1	-7.1072
V 292.401	15.2169	ppb	0.1653	1.1	393.521
Zn 206.200	7.8927	ppb	0.6423	8.1	7.8085

640-49420-a-3-a (Samp) **10/14/2014, 4:43:30 AM** **Rack 4, Tube 24**

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

Label	Replicates Concentration		
Ag 328.068	-0.0865u	-0.2109u	-0.2149u
Al 308.215	11343.9	11503.8	11470.5
As 188.980	4.7188	5.0280	8.5735

Label	Replicates Concentration		
B 249.678	4.9752	5.5113	5.2198
Ba 389.178	24.0329	25.3492	24.8757
Be 313.042	0.1581	0.1631	0.1588
Ca 370.602	1822	1856	1831
Cd 226.502	0.0080	0.2168	0.1346
Co 228.615	1.5775	1.4091	1.8837
Cr 267.716	14.3316	14.7517	14.6106
Cu 324.754	7.1277	7.6719	7.4155
Fe 271.441	6744.08	6859.16	6827.82
K 766.491	225.497	229.238	228.060
Mg 279.078	734.275	755.453	733.657
Mn 257.610	47.9440	48.7930	48.4010
Mo 202.032	0.6933	1.5423	0.8574
Na 330.237	131.957	52.7055u	132.030
Ni 231.604	6.9417	5.7959	7.2570
Pb 220.353	106.070	106.356	110.879
Sb 206.834	-2.2584u	-1.1418u	-4.7020u
Se 196.026	7.6439	-0.7135u	0.5520
Sn 189.925	7.6755	9.3825	6.1716
Sr 216.596	6.9883	6.4458	6.6964
Ti 334.941	185.052	188.070	186.322
Tl 190.794	1.1645	-0.2808u	-1.4581u
V 292.401	18.1662	17.8789	18.1909
Zn 206.200	53.5371	56.1911	55.7240

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.1708	ppb	0.0730	42.8	-27.2139
Al 308.215	11439.4	ppb	84.3713	0.7	77206.8
As 188.980	6.1068	ppb	2.1418	35.1	-1.4170
B 249.678	5.2354	ppb	0.2684	5.1	100.881
Ba 389.178	24.7526	ppb	0.6667	2.7	453.949
Be 313.042	0.1600	ppb	0.0027	1.7	16.0037
Ca 370.602	1836	ppb	17.80	1.0	4445
Cd 226.502	0.1198	ppb	0.1051	87.8	37.3087
Co 228.615	1.6235	ppb	0.2406	14.8	18.7743
Cr 267.716	14.5646	ppb	0.2138	1.5	767.603
Cu 324.754	7.4050	ppb	0.2723	3.7	775.590
Fe 271.441	6810.35	ppb	59.4945	0.9	9702.51
K 766.491	227.598	ppb	1.9127	0.8	10300.8
Mg 279.078	741.128	ppb	12.4090	1.7	1839.73
Mn 257.610	48.3793	ppb	0.4249	0.9	10293.4
Mo 202.032	1.0310	ppb	0.4504	43.7	11.6580
Na 330.237	105.564	ppb	45.7767	43.4	24.2344
Ni 231.604	6.6649	ppb	0.7689	11.5	12.6943
Pb 220.353	107.768	ppb	2.6974	2.5	156.235
Sb 206.834	-2.7007	ppb	1.8208	67.4	1.2067
Se 196.026	2.4941	ppb	4.5045	180.6	3.2405
Sn 189.925	7.7432	ppb	1.6065	20.7	1.6819
Sr 216.596	6.7102	ppb	0.2715	4.0	83.8956
Ti 334.941	186.482	ppb	1.5153	0.8	53028.7
Tl 190.794	-0.1914	ppb	1.3136	686.2	-6.2242
V 292.401	18.0787	ppb	0.1734	1.0	469.744
Zn 206.200	55.1507	ppb	1.4168	2.6	50.3865

Cont Calib Verif (CCV) **10/14/2014, 4:47:49 AM** **Rack 4, Tube 25**

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

Label	Replicates Concentration		
Ag 328.068	508.415	505.963	505.072
Al 308.215	4882.27	4856.22	4845.63
As 188.980	477.624	464.906	473.488
B 249.678	498.443	500.805	503.865
Ba 389.178	4863.48	4848.12	4837.79
Be 313.042	496.020	489.323	489.098
Ca 370.602	4842	4842	4846
Cd 226.502	501.379	498.684	498.303
Co 228.615	502.614	501.465	501.713
Cr 267.716	4903.56	4882.14	4878.74
Cu 324.754	5027.97	5003.56	5004.20
Fe 271.441	5017.49	4979.73	4964.58
K 766.491	9963.51	9880.78	9859.00
Mg 279.078	4964.26	4935.04	4935.09
Mn 257.610	4987.80	4986.79	4966.05
Mo 202.032	484.919	484.502	482.142
Na 330.237	7757.28	7584.84	7683.69
Ni 231.604	2524.55	2526.23	2525.78
Pb 220.353	496.735	501.137	494.224
Sb 206.834	958.924	949.227	953.534
Se 196.026	4895.80	4882.01	4877.21
Sn 189.925	4984.73	4982.65	4991.32
Sr 216.596	2485.64	2479.16	2478.32
Ti 334.941	483.832	480.935	480.548
Tl 190.794	4987.76	4991.24	4966.61
V 292.401	4912.74	4885.24	4878.40
Zn 206.200	2487.28	2490.28	2495.96

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Ag 328.068	506.483	ppb	1.7315	0.3	39669.1	101.29666
Al 308.215	4861.37	ppb	18.8531	0.4	33619.1	97.22746
As 188.980	472.006	ppb	6.4872	1.4	272.469	94.40121
B 249.678	501.038	ppb	2.7181	0.5	7695.29	100.20755
Ba 389.178	4849.80	ppb	12.9281	0.3	99737.3	96.99598
Be 313.042	491.480	ppb	3.9329	0.8	806954	98.29606
Ca 370.602	4843	ppb	2.484	0.1	11967	96.86729
Cd 226.502	499.455	ppb	1.6765	0.3	18713.3	99.89107
Co 228.615	501.931	ppb	0.6048	0.1	5273.21	100.38617
Cr 267.716	4888.15	ppb	13.4604	0.3	245750	97.76292
Cu 324.754	5011.91	ppb	13.9138	0.3	361739	100.23824
Fe 271.441	4987.27	ppb	27.2480	0.5	7206.94	99.74533
K 766.491	9901.10	ppb	55.1395	0.6	439748	99.01098
Mg 279.078	4944.80	ppb	16.8576	0.3	12146.8	98.89596
Mn 257.610	4980.21	ppb	12.2753	0.2	1052249	99.60429
Mo 202.032	483.854	ppb	1.4975	0.3	3060.60	96.77090
Na 330.237	7675.27	ppb	86.5272	1.1	371.094	102.33694
Ni 231.604	2525.52	ppb	0.8669	0.0	7007.84	101.02079
Pb 220.353	497.365	ppb	3.4994	0.7	723.426	99.47306
Sb 206.834	953.895	ppb	4.8586	0.5	1321.77	95.38948
Se 196.026	4885.00	ppb	9.6531	0.2	1959.42	97.70010
Sn 189.925	4986.24	ppb	4.5279	0.1	3292.05	99.72472
Sr 216.596	2481.04	ppb	4.0075	0.2	27007.6	99.24149

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Ti 334.941	481.772	ppb	1.7947	0.4	137077	96.35430
Tl 190.794	4981.87	ppb	13.3321	0.3	4935.64	99.63738
V 292.401	4892.12	ppb	18.1790	0.4	126909	97.84249
Zn 206.200	2491.17	ppb	4.4082	0.2	2240.18	99.64690

Cont Calib Blank (CCB) **10/14/2014, 4:52:08 AM** **Rack 4, Tube 26**

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

Label	Replicates Concentration		
Ag 328.068	0.0396	-0.0280u	-0.5251u
Al 308.215	-7.1082u	-4.8207u	-3.4322u
As 188.980	-3.3339u	0.3825	-0.0440u
B 249.678	11.3534	10.5499	8.6476
Ba 389.178	-0.3396u	0.1954	0.1882
Be 313.042	0.0053	0.0131	0.0140
Ca 370.602	1.500	1.294	2.473
Cd 226.502	0.2078	0.2041	0.1728
Co 228.615	0.3700	0.0846	0.5273
Cr 267.716	0.3898	0.4095	0.5339
Cu 324.754	0.3635	0.3597	0.2675
Fe 271.441	-0.0060	-5.6782u	0.8994
K 766.491	4.3981	4.9063	4.6626
Mg 279.078	4.0489	2.6599	4.8903
Mn 257.610	0.3434	0.4474	0.4403
Mo 202.032	0.7905	1.1501	0.4326
Na 330.237	32.1342	-25.8673u	47.1609
Ni 231.604	1.1033	1.7091	1.0140
Pb 220.353	0.3101	-1.7065u	-0.2871u
Sb 206.834	3.2479	-1.5608u	-0.5795u
Se 196.026	-5.1040u	2.9524	-0.4453u
Sn 189.925	-3.4885u	-0.5569u	1.3684
Sr 216.596	-0.3553u	0.4596	0.3084
Ti 334.941	0.1000	0.1260	0.1499
Tl 190.794	4.3596	2.8520	0.3683
V 292.401	0.2663	0.0997	0.4557
Zn 206.200	-1.1716u	1.1832	0.1555

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Ag 328.068	-0.1712	ppb	0.3084	180.2	-26.2695	-0.17115
Al 308.215	-5.1204	ppb	1.8562	36.3	481.641	-5.12037
As 188.980	-0.9985	ppb	2.0337	203.7	-5.6646	-0.99845
B 249.678	10.1837	ppb	1.3896	13.6	190.909	10.18365
Ba 389.178	0.0147	ppb	0.3068	2089.4	-59.4096	0.01468
Be 313.042	0.0108	ppb	0.0048	44.6	-231.144	0.01080
Ca 370.602	1.756	ppb	0.6300	35.9	18.12	1.75565
Cd 226.502	0.1949	ppb	0.0192	9.9	12.9206	0.19491
Co 228.615	0.3273	ppb	0.2244	68.6	1.1198	0.32732
Cr 267.716	0.4444	ppb	0.0781	17.6	54.1910	0.44441
Cu 324.754	0.3302	ppb	0.0544	16.5	262.596	0.33023
Fe 271.441	-1.5949	ppb	3.5650	223.5	6.1768	-1.59494
K 766.491	4.6557	ppb	0.2542	5.5	403.451	4.65566
Mg 279.078	3.8663	ppb	1.1263	29.1	21.0127	3.86635
Mn 257.610	0.4104	ppb	0.0581	14.2	133.925	0.41036
Mo 202.032	0.7911	ppb	0.3588	45.4	10.4538	0.79105

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Na 330.237	17.8093	ppb	38.5640	216.5	22.9684	17.80929
Ni 231.604	1.2755	ppb	0.3782	29.7	-2.7947	1.27546
Pb 220.353	-0.5612	ppb	1.0359	184.6	0.2443	-0.56115
Sb 206.834	0.3692	ppb	2.5409	688.2	4.9413	0.36921
Se 196.026	-0.8656	ppb	4.0446	467.2	1.8321	-0.86563
Sn 189.925	-0.8923	ppb	2.4458	274.1	-4.0254	-0.89232
Sr 216.596	0.1375	ppb	0.4335	315.2	4.4264	0.13754
Ti 334.941	0.1253	ppb	0.0250	19.9	-12.3438	0.12529
Tl 190.794	2.5266	ppb	2.0155	79.8	-2.7615	2.52665
V 292.401	0.2739	ppb	0.1781	65.0	2.3332	0.27389
Zn 206.200	0.0557	ppb	1.1806	2119.3	0.8708	0.05570

640-49420-a-4-a (Samp) **10/14/2014, 4:56:28 AM** **Rack 4, Tube 27**

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

Label	Replicates Concentration		
Ag 328.068	-0.0300u	0.1093	-0.2241u
Al 308.215	25222.6	25151.6	25092.0
As 188.980	94.2780	88.2645	91.4178
B 249.678	9.2035	8.4539	8.2503
Ba 389.178	75.1664	74.0909	73.4356
Be 313.042	0.4452	0.4400	0.4410
Ca 370.602	10010	9999	10037
Cd 226.502	-0.4985	-0.4978	-0.4118
Co 228.615	1.8961	1.7263	2.3327
Cr 267.716	30.5979	30.7384	30.6651
Cu 324.754	9.5969	9.7786	9.5578
Fe 271.441	44300.6	44266.9	44244.5
K 766.491	322.089	320.596	320.292
Mg 279.078	1647.84	1639.90	1634.09
Mn 257.610	296.711	296.352	296.548
Mo 202.032	2.6265	2.7801	1.9326
Na 330.237	42.1632u	30.9393u	45.5434u
Ni 231.604	7.4154	8.7039	8.4803
Pb 220.353	180.263	183.216	178.984
Sb 206.834	-0.2961	-1.4076u	-3.2757u
Se 196.026	0.6059	-4.0644u	14.3204
Sn 189.925	4.9510	-0.9203u	2.4430
Sr 216.596	40.5444	40.9411	40.8731
Ti 334.941	203.055	202.583	201.209
Tl 190.794	0.9653u	-1.1295u	0.7827u
V 292.401	61.1406	60.7568	61.2677
Zn 206.200	81.6643	84.0072	82.9352

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.0483	ppb	0.1674	346.8	-23.2989
Al 308.215	25155.4	ppb	65.3672	0.3	169212
As 188.980	91.3201	ppb	3.0080	3.3	48.6213
B 249.678	8.6359	ppb	0.5020	5.8	73.7356
Ba 389.178	74.2310	ppb	0.8738	1.2	1492.04
Be 313.042	0.4420	ppb	0.0028	0.6	483.604
Ca 370.602	10015	ppb	19.40	0.2	23802
Cd 226.502	-0.4694	ppb	0.0498	10.6	165.052
Co 228.615	1.9850	ppb	0.3128	15.8	25.2029

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Cr 267.716	30.6671	ppb	0.0703	0.2	1594.58
Cu 324.754	9.6445	ppb	0.1178	1.2	952.447
Fe 271.441	44270.7	ppb	28.2638	0.1	63023.3
K 766.491	320.992	ppb	0.9622	0.3	14447.0
Mg 279.078	1640.61	ppb	6.9012	0.4	4055.12
Mn 257.610	296.537	ppb	0.1795	0.1	62836.1
Mo 202.032	2.4464	ppb	0.4516	18.5	18.9398
Na 330.237	39.5486	ppb	7.6451	19.3	10.3328
Ni 231.604	8.1999	ppb	0.6885	8.4	19.8171
Pb 220.353	180.821	ppb	2.1706	1.2	259.443
Sb 206.834	-1.6598	ppb	1.5057	90.7	3.8750
Se 196.026	3.6206	ppb	9.5560	263.9	4.0358
Sn 189.925	2.1579	ppb	2.9460	136.5	-2.0095
Sr 216.596	40.7862	ppb	0.2122	0.5	498.484
Ti 334.941	202.282	ppb	0.9590	0.5	57532.3
Tl 190.794	0.2062	ppb	1.1603	562.8	-10.1957
V 292.401	61.0550	ppb	0.2660	0.4	1599.74
Zn 206.200	82.8689	ppb	1.1728	1.4	73.9760

640-49420-a-5-a (Samp) **10/14/2014, 5:00:47 AM** **Rack 4, Tube 28**

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

Label	Replicates Concentration		
Ag 328.068	-0.2558u	0.0982	-0.2171u
Al 308.215	2320.97	2323.95	2341.51
As 188.980	-4.5969u	2.4261	1.2511
B 249.678	4.2762	3.7126	3.5990
Ba 389.178	2.1258	2.9834	2.5836
Be 313.042	0.0046	0.0038	0.0064
Ca 370.602	142.4	145.2	146.5
Cd 226.502	0.2308	0.1667	0.0763
Co 228.615	0.4795	0.0687	0.6014
Cr 267.716	4.0924	4.2116	4.2528
Cu 324.754	0.7128	0.9991	0.6139
Fe 271.441	903.361	900.045	910.125
K 766.491	77.4600	76.7904	78.2690
Mg 279.078	109.208	105.329	110.781
Mn 257.610	3.3576	3.3337	3.3593
Mo 202.032	0.8311	0.7350	0.7063
Na 330.237	-62.8804u	50.1429	-18.3475u
Ni 231.604	3.6870	1.9580	2.0176
Pb 220.353	4.3469	2.9302	6.0970
Sb 206.834	-0.4552u	-1.7512u	-3.6648u
Se 196.026	4.3097	0.5647	-0.9904u
Sn 189.925	1.5543	7.9256	3.5273
Sr 216.596	1.5489	1.8195	1.6686
Ti 334.941	87.0802	87.9849	88.7466
Tl 190.794	-1.3400u	-0.0857u	2.7688
V 292.401	4.5581	4.5467	4.7581
Zn 206.200	4.7372	1.9391	3.9013

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.1249	ppb	0.1942	155.5	-22.7973
Al 308.215	2328.81	ppb	11.0976	0.5	16127.8

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
As 188.980	-0.3066	ppb	3.7617	1227.1	-5.2409
B 249.678	3.8626	ppb	0.3627	9.4	92.3649
Ba 389.178	2.5643	ppb	0.4291	16.7	-6.3567
Be 313.042	0.0049	ppb	0.0013	27.0	-240.320
Ca 370.602	144.7	ppb	2.087	1.4	386.4
Cd 226.502	0.1579	ppb	0.0776	49.1	15.1576
Co 228.615	0.3832	ppb	0.2791	72.8	3.4658
Cr 267.716	4.1856	ppb	0.0833	2.0	242.846
Cu 324.754	0.7753	ppb	0.2000	25.8	295.022
Fe 271.441	904.510	ppb	5.1374	0.6	1296.00
K 766.491	77.5065	ppb	0.7404	1.0	3637.60
Mg 279.078	108.439	ppb	2.8063	2.6	278.803
Mn 257.610	3.3502	ppb	0.0143	0.4	758.429
Mo 202.032	0.7575	ppb	0.0654	8.6	10.1977
Na 330.237	-10.3617	ppb	56.9333	549.5	20.9844
Ni 231.604	2.5542	ppb	0.9815	38.4	0.8259
Pb 220.353	4.4580	ppb	1.5863	35.6	7.3777
Sb 206.834	-1.9570	ppb	1.6147	82.5	1.9116
Se 196.026	1.2947	ppb	2.7244	210.4	2.7049
Sn 189.925	4.3357	ppb	3.2617	75.2	-0.5701
Sr 216.596	1.6790	ppb	0.1356	8.1	22.2175
Ti 334.941	87.9372	ppb	0.8342	0.9	24980.0
Tl 190.794	0.4477	ppb	2.1057	470.3	-4.9202
V 292.401	4.6210	ppb	0.1189	2.6	116.814
Zn 206.200	3.5259	ppb	1.4363	40.7	3.9639

640-49420-a-6-a (Samp) **10/14/2014, 5:05:06 AM** **Rack 4, Tube 29**

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

Label	Replicates Concentration		
Ag 328.068	-0.2682u	-0.1834u	-0.0144u
Al 308.215	32192.4	32224.3	32125.3
As 188.980	0.1955	3.6543	2.0401
B 249.678	6.8865	6.4557	6.9329
Ba 389.178	30.8267	30.9727	30.6442
Be 313.042	0.1989	0.1901	0.1999
Ca 370.602	1407	1401	1407
Cd 226.502	0.2336	0.0891	0.0962
Co 228.615	1.3532	1.1994	1.4386
Cr 267.716	57.4592	57.3586	57.5478
Cu 324.754	9.5951	9.2204	9.7066
Fe 271.441	5053.22	5037.62	5041.08
K 766.491	849.563	850.547	847.951
Mg 279.078	1078.96	1080.26	1071.04
Mn 257.610	11.8537	11.8353	11.8734
Mo 202.032	4.7011	4.4807	4.6499
Na 330.237	209.243	147.884	184.744
Ni 231.604	9.1357	7.8301	8.0223
Pb 220.353	21.5563	24.6521	19.3378
Sb 206.834	-1.4349u	1.6817	-0.5169
Se 196.026	-1.8457u	-8.2732u	11.0064
Sn 189.925	4.3849	9.5686	7.1940
Sr 216.596	18.5637	17.8934	18.4562
Ti 334.941	276.223	276.916	275.082

Label	Replicates Concentration		
Tl 190.794	-0.6484u	-1.4555u	-1.5298u
V 292.401	42.1212	42.3387	42.4630
Zn 206.200	11.3996	12.6794	8.9371

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.1553	ppb	0.1292	83.2	-26.0981
Al 308.215	32180.7	ppb	50.5112	0.2	216234
As 188.980	1.9633	ppb	1.7307	88.2	-3.6502
B 249.678	6.7584	ppb	0.2632	3.9	127.897
Ba 389.178	30.8145	ppb	0.1646	0.5	578.275
Be 313.042	0.1963	ppb	0.0054	2.8	77.9450
Ca 370.602	1405	ppb	3.342	0.2	3456
Cd 226.502	0.1396	ppb	0.0815	58.4	31.0399
Co 228.615	1.3304	ppb	0.1212	9.1	17.3296
Cr 267.716	57.4552	ppb	0.0947	0.2	2923.10
Cu 324.754	9.5074	ppb	0.2547	2.7	926.297
Fe 271.441	5043.98	ppb	8.1948	0.2	7188.53
K 766.491	849.354	ppb	1.3109	0.2	37903.1
Mg 279.078	1076.76	ppb	4.9932	0.5	2663.33
Mn 257.610	11.8541	ppb	0.0191	0.2	2574.29
Mo 202.032	4.6106	ppb	0.1153	2.5	34.3500
Na 330.237	180.624	ppb	30.8863	17.1	29.4581
Ni 231.604	8.3293	ppb	0.7049	8.5	17.1922
Pb 220.353	21.8487	ppb	2.6692	12.2	31.8301
Sb 206.834	-0.0900	ppb	1.6015	1779.3	5.0358
Se 196.026	0.2959	ppb	9.8166	3318.1	2.3391
Sn 189.925	7.0492	ppb	2.5949	36.8	1.2233
Sr 216.596	18.3044	ppb	0.3600	2.0	208.261
Ti 334.941	276.074	ppb	0.9262	0.3	78528.7
Tl 190.794	-1.2113	ppb	0.4888	40.4	-7.0134
V 292.401	42.3076	ppb	0.1730	0.4	1097.85
Zn 206.200	11.0054	ppb	1.9020	17.3	10.4292

640-49420-a-7-a (Samp) **10/14/2014, 5:09:25 AM** **Rack 4, Tube 30**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Replicates Concentration		
Ag 328.068	-0.1576u	-0.2827u	-0.2677u
Al 308.215	26984.9	26908.0	26863.8
As 188.980	1.1329	0.7284	2.4358
B 249.678	6.8374	6.5458	6.7460
Ba 389.178	21.9312	22.1917	22.3327
Be 313.042	0.1958	0.1899	0.1886
Ca 370.602	1267	1263	1255
Cd 226.502	0.1603	-0.0489	0.1946
Co 228.615	0.7443	1.8080	0.9627
Cr 267.716	45.9301	45.6767	45.6995
Cu 324.754	8.5552	8.5479	8.2934
Fe 271.441	3743.61	3728.51	3722.88
K 766.491	764.768	764.370	761.536
Mg 279.078	948.053	945.575	946.398
Mn 257.610	11.4471	11.3859	11.3883
Mo 202.032	5.1110	5.0108	4.0492
Na 330.237	94.2025	118.825	34.9970

Label	Replicates Concentration		
Ni 231.604	6.4810	7.6706	6.1207
Pb 220.353	18.9131	16.8788	18.0114
Sb 206.834	-3.2271u	0.3398	-0.5721u
Se 196.026	1.3299	1.8800	-1.5350u
Sn 189.925	8.5271	7.4575	7.5763
Sr 216.596	20.1123	19.2507	19.0534
Ti 334.941	287.292	283.827	285.151
Tl 190.794	0.8439	0.8560	0.5149
V 292.401	35.4123	35.2745	35.1492
Zn 206.200	8.8736	7.3643	7.7559

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.2360	ppb	0.0683	29.0	-32.2968
Al 308.215	26918.9	ppb	61.3057	0.2	180962
As 188.980	1.4323	ppb	0.8922	62.3	-4.0044
B 249.678	6.7097	ppb	0.1492	2.2	129.914
Ba 389.178	22.1519	ppb	0.2037	0.9	399.214
Be 313.042	0.1914	ppb	0.0038	2.0	69.1781
Ca 370.602	1262	ppb	6.105	0.5	3126
Cd 226.502	0.1020	ppb	0.1318	129.2	24.3699
Co 228.615	1.1716	ppb	0.5618	48.0	15.7179
Cr 267.716	45.7688	ppb	0.1402	0.3	2335.02
Cu 324.754	8.4655	ppb	0.1491	1.8	850.686
Fe 271.441	3731.67	ppb	10.7174	0.3	5320.55
K 766.491	763.558	ppb	1.7621	0.2	34094.3
Mg 279.078	946.675	ppb	1.2619	0.1	2343.43
Mn 257.610	11.4071	ppb	0.0347	0.3	2475.08
Mo 202.032	4.7237	ppb	0.5862	12.4	35.1296
Na 330.237	82.6748	ppb	43.0865	52.1	24.6593
Ni 231.604	6.7575	ppb	0.8111	12.0	12.7236
Pb 220.353	17.9344	ppb	1.0193	5.7	26.3062
Sb 206.834	-1.1531	ppb	1.8531	160.7	3.4512
Se 196.026	0.5583	ppb	1.8336	328.4	2.4338
Sn 189.925	7.8536	ppb	0.5862	7.5	1.7550
Sr 216.596	19.4721	ppb	0.5631	2.9	219.599
Ti 334.941	285.423	ppb	1.7485	0.6	81189.1
Tl 190.794	0.7383	ppb	0.1936	26.2	-4.9345
V 292.401	35.2786	ppb	0.1316	0.4	915.290
Zn 206.200	7.9979	ppb	0.7832	9.8	7.7913

640-49420-a-8-a (Samp) **10/14/2014, 5:13:45 AM** **Rack 4, Tube 31**

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

Label	Replicates Concentration		
Ag 328.068	-0.0736u	-0.1378u	-0.0492u
Al 308.215	11268.8	11293.6	11271.3
As 188.980	7.5568	8.1727	7.5854
B 249.678	2.9732	2.5483	2.3697
Ba 389.178	15.9489	17.1226	16.5894
Be 313.042	0.0565	0.0498	0.0496
Ca 370.602	712.2	707.1	709.7
Cd 226.502	-0.0361	-0.0103	0.1387
Co 228.615	0.5396	1.3834	0.8466
Cr 267.716	10.4200	10.5175	10.6327

Label	Replicates Concentration		
Cu 324.754	1.8452	1.9181	1.8081
Fe 271.441	5656.34	5665.39	5662.28
K 766.491	190.687	190.018	189.343
Mg 279.078	340.507	341.336	339.016
Mn 257.610	14.9276	14.9155	14.8981
Mo 202.032	0.5658	0.6396	1.6194
Na 330.237	89.9983	53.9587	67.5636
Ni 231.604	4.9588	4.5416	5.2470
Pb 220.353	6.6851	6.5152	6.1779
Sb 206.834	0.5759	0.6859	-1.9177u
Se 196.026	-4.3893u	1.2356	2.3747
Sn 189.925	4.3739	4.1360	3.1744
Sr 216.596	5.5014	5.8892	5.8371
Ti 334.941	154.002	151.862	151.456
Tl 190.794	-1.0569u	-2.7385u	-1.6437u
V 292.401	17.6957	17.6008	17.2252
Zn 206.200	10.2290	9.1200	11.3683

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.0869	ppb	0.0458	52.7	-20.5702
Al 308.215	11277.9	ppb	13.6505	0.1	76122.3
As 188.980	7.7716	ppb	0.3477	4.5	-0.4328
B 249.678	2.6304	ppb	0.3100	11.8	63.5425
Ba 389.178	16.5536	ppb	0.5877	3.6	284.165
Be 313.042	0.0520	ppb	0.0039	7.6	-161.723
Ca 370.602	709.7	ppb	2.516	0.4	1725
Cd 226.502	0.0307	ppb	0.0944	307.0	29.3430
Co 228.615	0.9232	ppb	0.4271	46.3	10.6900
Cr 267.716	10.5234	ppb	0.1065	1.0	563.712
Cu 324.754	1.8571	ppb	0.0560	3.0	374.893
Fe 271.441	5661.34	ppb	4.6012	0.1	8066.95
K 766.491	190.016	ppb	0.6721	0.4	8632.36
Mg 279.078	340.286	ppb	1.1758	0.3	848.945
Mn 257.610	14.9137	ppb	0.0148	0.1	3216.87
Mo 202.032	0.9416	ppb	0.5882	62.5	11.1436
Na 330.237	70.5069	ppb	18.1992	25.8	23.7481
Ni 231.604	4.9158	ppb	0.3547	7.2	7.7489
Pb 220.353	6.4594	ppb	0.2582	4.0	9.8433
Sb 206.834	-0.2187	ppb	1.4725	673.4	4.4341
Se 196.026	-0.2597	ppb	3.6214	1394.7	2.1220
Sn 189.925	3.8947	ppb	0.6351	16.3	-0.8615
Sr 216.596	5.7426	ppb	0.2105	3.7	71.7306
Ti 334.941	152.440	ppb	1.3676	0.9	43339.3
Tl 190.794	-1.8130	ppb	0.8535	47.1	-7.7072
V 292.401	17.5072	ppb	0.2488	1.4	454.151
Zn 206.200	10.2391	ppb	1.1242	11.0	9.8365

640-49420-a-10-a (Samp) **10/14/2014, 5:18:04 AM** **Rack 4, Tube 32**

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

Label	Replicates Concentration		
Ag 328.068	-0.2936u	0.0240	-0.1590u
Al 308.215	2030.89	2018.24	2021.54
As 188.980	5.2519	-1.5472u	4.0996

Label	Replicates Concentration		
B 249.678	2.4246	2.1917	2.3880
Ba 389.178	4.4943	4.5061	3.4512
Be 313.042	0.0355	0.0337	0.0397
Ca 370.602	447.0	444.6	449.1
Cd 226.502	0.0946	0.1523	0.1929
Co 228.615	0.7030	1.0242	0.7225
Cr 267.716	5.9046	6.0155	5.8910
Cu 324.754	2.1162	2.0656	2.0169
Fe 271.441	917.578	909.981	901.487
K 766.491	64.5976	64.9419	64.7127
Mg 279.078	129.486	127.094	125.869
Mn 257.610	2.9726	2.9687	2.9174
Mo 202.032	0.7260	0.6703	0.4233
Na 330.237	-13.1539u	281.784	37.5288
Ni 231.604	1.5111	2.5777	2.2163
Pb 220.353	5.2236	6.8864	7.2856
Sb 206.834	0.0158	-3.0091u	-0.5796u
Se 196.026	-1.5389u	-4.9166u	3.8532
Sn 189.925	5.0166	4.8049	4.3304
Sr 216.596	5.2467	5.7615	4.5877
Ti 334.941	48.9380	47.4779	47.8521
Tl 190.794	-1.1653u	0.5049	-1.1841u
V 292.401	3.0278	3.4809	3.4085
Zn 206.200	8.2138	9.2273	7.5286

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.1429	ppb	0.1594	111.6	-24.3191
Al 308.215	2023.55	ppb	6.5601	0.3	14081.5
As 188.980	2.6014	ppb	3.6388	139.9	-3.5333
B 249.678	2.3348	ppb	0.1252	5.4	69.0225
Ba 389.178	4.1505	ppb	0.6057	14.6	26.2984
Be 313.042	0.0363	ppb	0.0031	8.6	-188.817
Ca 370.602	446.9	ppb	2.262	0.5	1100
Cd 226.502	0.1466	ppb	0.0494	33.7	14.7289
Co 228.615	0.8165	ppb	0.1801	22.1	7.2512
Cr 267.716	5.9370	ppb	0.0683	1.2	330.825
Cu 324.754	2.0662	ppb	0.0496	2.4	388.163
Fe 271.441	909.682	ppb	8.0501	0.9	1303.36
K 766.491	64.7507	ppb	0.1753	0.3	3071.32
Mg 279.078	127.483	ppb	1.8396	1.4	326.028
Mn 257.610	2.9529	ppb	0.0308	1.0	674.637
Mo 202.032	0.6065	ppb	0.1611	26.6	9.2445
Na 330.237	102.053	ppb	157.701	154.5	26.9423
Ni 231.604	2.1017	ppb	0.5425	25.8	-0.4312
Pb 220.353	6.4652	ppb	1.0937	16.9	10.3038
Sb 206.834	-1.1910	ppb	1.6024	134.6	2.9513
Se 196.026	-0.8674	ppb	4.4233	509.9	1.8390
Sn 189.925	4.7173	ppb	0.3514	7.4	-0.3179
Sr 216.596	5.1986	ppb	0.5883	11.3	60.7325
Ti 334.941	48.0893	ppb	0.7584	1.6	13639.0
Tl 190.794	-0.6148	ppb	0.9697	157.7	-5.9736
V 292.401	3.3057	ppb	0.2434	7.4	81.9722
Zn 206.200	8.3233	ppb	0.8546	10.3	8.2970

640-49420-a-11-a (Samp) **10/14/2014, 5:22:23 AM** **Rack 4, Tube 33**

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

Label	Replicates Concentration		
Ag 328.068	-0.2782u	-0.0600u	-0.0425u
Al 308.215	33645.5	33699.0	33656.6
As 188.980	5.1322	6.6503	10.2904
B 249.678	6.3611	5.9141	6.3490
Ba 389.178	20.3977	20.7876	20.8457
Be 313.042	0.2193	0.2114	0.2160
Ca 370.602	1690	1683	1685
Cd 226.502	0.2516	0.1187	-0.0461
Co 228.615	1.2231	1.2026	0.8350
Cr 267.716	52.1729	52.4339	52.4738
Cu 324.754	12.8791	12.7007	13.0601
Fe 271.441	7265.96	7285.25	7260.61
K 766.491	816.987	820.824	818.539
Mg 279.078	1073.32	1074.56	1076.49
Mn 257.610	12.3814	12.3876	12.3945
Mo 202.032	3.1493	3.0751	3.7234
Na 330.237	75.2474	63.5121	197.636
Ni 231.604	8.1692	9.6614	8.5720
Pb 220.353	24.2438	21.0475	22.1319
Sb 206.834	-1.7093u	-1.3267u	0.1878
Se 196.026	1.7380	1.9599	-2.9223u
Sn 189.925	7.9646	7.8987	4.5252
Sr 216.596	21.1526	21.2936	20.7976
Ti 334.941	256.341	258.823	257.445
Tl 190.794	-0.3953u	-4.0788u	-1.2980u
V 292.401	36.8255	37.0252	36.8251
Zn 206.200	10.6720	9.9045	9.0211

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.1269	ppb	0.1313	103.5	-24.3046
Al 308.215	33667.0	ppb	28.2242	0.1	226200
As 188.980	7.3576	ppb	2.6508	36.0	-0.4778
B 249.678	6.2081	ppb	0.2546	4.1	114.838
Ba 389.178	20.6770	ppb	0.2436	1.2	370.794
Be 313.042	0.2156	ppb	0.0040	1.9	109.652
Ca 370.602	1686	ppb	3.885	0.2	4103
Cd 226.502	0.1081	ppb	0.1491	138.0	38.6629
Co 228.615	1.0869	ppb	0.2184	20.1	14.5716
Cr 267.716	52.3602	ppb	0.1634	0.3	2667.96
Cu 324.754	12.8799	ppb	0.1797	1.4	1170.54
Fe 271.441	7270.61	ppb	12.9590	0.2	10357.8
K 766.491	818.783	ppb	1.9301	0.2	36546.0
Mg 279.078	1074.79	ppb	1.5991	0.1	2658.02
Mn 257.610	12.3878	ppb	0.0065	0.1	2693.35
Mo 202.032	3.3160	ppb	0.3548	10.7	26.0717
Na 330.237	112.132	ppb	74.2809	66.2	25.3049
Ni 231.604	8.8009	ppb	0.7720	8.8	18.6708
Pb 220.353	22.4744	ppb	1.6254	7.2	32.5907
Sb 206.834	-0.9494	ppb	1.0032	105.7	3.9173
Se 196.026	0.2585	ppb	2.7569	1066.4	2.3416
Sn 189.925	6.7962	ppb	1.9670	28.9	1.0561
Sr 216.596	21.0813	ppb	0.2556	1.2	240.991

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ti 334.941	257.536	ppb	1.2434	0.5	73253.1
Tl 190.794	-1.9240	ppb	1.9199	99.8	-7.9904
V 292.401	36.8919	ppb	0.1154	0.3	958.016
Zn 206.200	9.8659	ppb	0.8261	8.4	9.3302

640-49420-a-12-a (Samp) **10/14/2014, 5:26:42 AM** **Rack 4, Tube 34**

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

Label	Replicates Concentration		
Ag 328.068	-0.0147u	-0.3635u	-0.2854u
Al 308.215	31950.2	32145.5	31870.9
As 188.980	5.4227	6.5348	5.8224
B 249.678	5.1817	5.1047	5.3624
Ba 389.178	23.5185	23.4894	23.8456
Be 313.042	0.2376	0.2380	0.2332
Ca 370.602	1146	1152	1146
Cd 226.502	0.0442	-0.0761	-0.1010
Co 228.615	1.8932	2.1575	1.7962
Cr 267.716	46.6903	46.9606	46.3136
Cu 324.754	10.2247	10.1339	10.5456
Fe 271.441	7669.08	7718.81	7644.45
K 766.491	809.029	816.915	811.230
Mg 279.078	978.281	983.763	980.224
Mn 257.610	18.5773	18.6919	18.6410
Mo 202.032	7.1120	6.3186	6.6371
Na 330.237	209.512	189.547	332.675
Ni 231.604	11.1714	11.4687	11.0527
Pb 220.353	22.6892	20.0012	21.0839
Sb 206.834	-0.3178	0.6954	-0.3738
Se 196.026	4.7294	10.9347	-3.9740u
Sn 189.925	3.6672	4.6642	7.4895
Sr 216.596	17.5479	17.4838	17.1775
Ti 334.941	296.141	299.074	297.587
Tl 190.794	-0.0360u	-4.0553u	-2.2381u
V 292.401	49.6072	50.0789	49.3784
Zn 206.200	10.6920	11.9223	12.1775

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.2212	ppb	0.1830	82.7	-31.6124
Al 308.215	31988.9	ppb	141.319	0.4	214954
As 188.980	5.9266	ppb	0.5633	9.5	-1.3382
B 249.678	5.2163	ppb	0.1323	2.5	98.8330
Ba 389.178	23.6178	ppb	0.1978	0.8	431.423
Be 313.042	0.2362	ppb	0.0027	1.1	143.410
Ca 370.602	1148	ppb	3.583	0.3	2817
Cd 226.502	-0.0443	ppb	0.0776	175.2	34.5702
Co 228.615	1.9490	ppb	0.1870	9.6	24.3169
Cr 267.716	46.6548	ppb	0.3250	0.7	2381.27
Cu 324.754	10.3014	ppb	0.2163	2.1	984.661
Fe 271.441	7677.45	ppb	37.8797	0.5	10937.1
K 766.491	812.391	ppb	4.0696	0.5	36262.2
Mg 279.078	980.756	ppb	2.7795	0.3	2425.89
Mn 257.610	18.6367	ppb	0.0574	0.3	4014.01
Mo 202.032	6.6893	ppb	0.3993	6.0	47.3771

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Na 330.237	243.911	ppb	77.5170	31.8	32.0804
Ni 231.604	11.2309	ppb	0.2143	1.9	25.4488
Pb 220.353	21.2581	ppb	1.3524	6.4	30.8025
Sb 206.834	0.0013	ppb	0.6018	48021.9	5.0771
Se 196.026	3.8967	ppb	7.4892	192.2	3.8029
Sn 189.925	5.2736	ppb	1.9827	37.6	0.0498
Sr 216.596	17.4031	ppb	0.1980	1.1	201.026
Ti 334.941	297.601	ppb	1.4664	0.5	84655.5
Tl 190.794	-2.1098	ppb	2.0127	95.4	-8.2101
V 292.401	49.6881	ppb	0.3572	0.7	1291.14
Zn 206.200	11.5972	ppb	0.7943	6.8	10.8949

680-106200-b-48-a (Samp) **10/14/2014, 5:31:01 AM** **Rack 4, Tube 35**

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

Label	Replicates Concentration		
Ag 328.068	-4.2174u	-4.0129u	-3.9514u
Al 308.215	170198	170246	170725
As 188.980	777.547	773.793	790.105
B 249.678	13.3735u	15.6160u	15.7538u
Ba 389.178	1755.08	1758.10	1759.76
Be 313.042	14.5538	14.5581	14.5755
Ca 370.602	26787	26654	26724
Cd 226.502	-12.4192	-11.4730	-11.7571
Co 228.615	217.370	214.552	211.651
Cr 267.716	486.933	485.996	486.987
Cu 324.754	141.447	143.026	142.617
Fe 271.441	682493	680448	683119
K 766.491	8924.49	8923.57	8924.21
Mg 279.078	9234.34	9233.82	9265.05
Mn 257.610	26968.0	26983.8	27065.5
Mo 202.032	27.7557	28.0690	28.1773
Na 330.237	463.357u	373.798u	291.435u
Ni 231.604	126.651	126.819	130.892
Pb 220.353	413.338	414.743	419.854
Sb 206.834	-6.2755	-5.1018	-6.5630
Se 196.026	13.2710	-1.7721	2.4515
Sn 189.925	21.6632	19.1838	23.5868
Sr 216.596	139.451	138.445	140.694
Ti 334.941	832.851	834.095	834.295
Tl 190.794	-21.0434u	-12.4560u	-12.7606u
V 292.401	625.138	624.343	625.070
Zn 206.200	600.899	597.258	605.256

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-4.0606	ppb	0.1392	3.4	-312.570
Al 308.215	170389	ppb	291.415	0.2	1143835
As 188.980	780.482	ppb	8.5431	1.1	451.699
B 249.678	14.9144	ppb	1.3363	9.0	-1173.59
Ba 389.178	1757.65	ppb	2.3695	0.1	36457.0
Be 313.042	14.5624	ppb	0.0115	0.1	23682.7
Ca 370.602	26722	ppb	66.32	0.2	58458
Cd 226.502	-11.8831	ppb	0.4855	4.1	2280.71
Co 228.615	214.524	ppb	2.8594	1.3	2309.10

E10132014.wvq. All Data Report 10/14/2014, 10:01:24 AM

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Cr 267.716	486.639	ppb	0.5575	0.1	24917.3
Cu 324.754	142.363	ppb	0.8193	0.6	10788.9
Fe 271.441	682020	ppb	1396.57	0.2	970813
K 766.491	8924.09	ppb	0.4723	0.0	396374
Mg 279.078	9244.40	ppb	17.8831	0.2	22310.6
Mn 257.610	27005.8	ppb	52.3489	0.2	5707487
Mo 202.032	28.0007	ppb	0.2189	0.8	152.381
Na 330.237	376.197	ppb	85.9863	22.9	-149.756
Ni 231.604	128.121	ppb	2.4014	1.9	400.969
Pb 220.353	415.979	ppb	3.4292	0.8	563.776
Sb 206.834	-5.9801	ppb	0.7741	12.9	21.8263
Se 196.026	4.6501	ppb	7.7588	166.9	14.7876
Sn 189.925	21.4779	ppb	2.2074	10.3	10.7584
Sr 216.596	139.530	ppb	1.1266	0.8	2254.61
Ti 334.941	833.747	ppb	0.7821	0.1	237345
Tl 190.794	-15.4200	ppb	4.8724	31.6	-89.0953
V 292.401	624.851	ppb	0.4406	0.1	16470.5
Zn 206.200	601.138	ppb	4.0045	0.7	517.111

680-106200-b-49-a (Samp) **10/14/2014, 5:35:21 AM** **Rack 4, Tube 36**

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

Label	Replicates Concentration		
Ag 328.068	3.2950	2.7960	2.8567
Al 308.215	118444	118604	118387
As 188.980	257.401	258.276	257.475
B 249.678	68.7384	71.3162	69.1405
Ba 389.178	3856.90	3867.15	3855.53
Be 313.042	12.4592	12.4759	12.4513
Ca 370.602	87767	87738	87315
Cd 226.502	21.3859	21.6528	21.5009
Co 228.615	115.462	114.871	115.298
Cr 267.716	548.934	549.541	548.347
Cu 324.754	1423.35	1416.62	1413.69
Fe 271.441	394350	394841	393537
K 766.491	10607.9	10644.7	10641.2
Mg 279.078	14479.0	14482.6	14446.6
Mn 257.610	8853.70	8804.86	8817.19
Mo 202.032	30.3525	32.8683	30.7076
Na 330.237	2994.64u	2928.49u	2892.55u
Ni 231.604	163.576	164.590	164.192
Pb 220.353	3837.33	3849.21	3821.25
Sb 206.834	30.8564	34.6633	34.8318
Se 196.026	7.3265	2.3586	24.7617
Sn 189.925	199.354	201.703	197.365
Sr 216.596	695.398	698.903	697.349
Ti 334.941	2026.11	2019.58	2007.78
Tl 190.794	-8.5421u	-12.8313u	-8.7059u
V 292.401	573.320	573.668	571.131
Zn 206.200	8501.61	8508.45	8448.93

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	2.9826	ppb	0.2723	9.1	180.537
Al 308.215	118478	ppb	112.623	0.1	795390

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Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
As 188.980	257.717	ppb	0.4854	0.2	145.358
B 249.678	69.7317	ppb	1.3869	2.0	271.403
Ba 389.178	3859.86	ppb	6.3511	0.2	79568.4
Be 313.042	12.4622	ppb	0.0126	0.1	20259.2
Ca 370.602	87606	ppb	253.2	0.3	208264
Cd 226.502	21.5132	ppb	0.1339	0.6	2382.05
Co 228.615	115.211	ppb	0.3050	0.3	1271.15
Cr 267.716	548.941	ppb	0.5970	0.1	27842.1
Cu 324.754	1417.89	ppb	4.9533	0.3	102682
Fe 271.441	394242	ppb	658.655	0.2	561184
K 766.491	10631.3	ppb	20.3065	0.2	472164
Mg 279.078	14469.4	ppb	19.8206	0.1	35594.4
Mn 257.610	8825.25	ppb	25.3978	0.3	1865770
Mo 202.032	31.3095	ppb	1.3617	4.3	185.833
Na 330.237	2938.56	ppb	51.7876	1.8	-117.836
Ni 231.604	164.119	ppb	0.5109	0.3	479.271
Pb 220.353	3835.93	ppb	14.0295	0.4	5522.59
Sb 206.834	33.4505	ppb	2.2482	6.7	66.3131
Se 196.026	11.4822	ppb	11.7655	102.5	11.6294
Sn 189.925	199.474	ppb	2.1714	1.1	128.399
Sr 216.596	697.217	ppb	1.7564	0.3	8053.57
Ti 334.941	2017.83	ppb	9.2879	0.5	574317
Tl 190.794	-10.0264	ppb	2.4305	24.2	-57.6808
V 292.401	572.706	ppb	1.3753	0.2	15026.9
Zn 206.200	8486.33	ppb	32.5687	0.4	7656.94

Cont Calib Verif (CCV) **10/14/2014, 5:39:40 AM** **Rack 4, Tube 37**

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

Label	Replicates Concentration		
Ag 328.068	514.485	513.762	510.271
Al 308.215	4962.28	4957.89	4944.35
As 188.980	487.587	475.278	489.824
B 249.678	506.605	508.572	508.026
Ba 389.178	4938.63	4936.02	4911.89
Be 313.042	499.834	502.471	499.233
Ca 370.602	4981	4976	4938
Cd 226.502	508.727	509.091	506.796
Co 228.615	511.820	512.139	510.051
Cr 267.716	4980.78	4984.58	4955.00
Cu 324.754	5020.27	5026.55	5087.40
Fe 271.441	5120.73	5129.30	5107.91
K 766.491	10061.3	10063.0	10010.2
Mg 279.078	5034.94	5030.80	5017.26
Mn 257.610	5070.79	5082.92	5038.39
Mo 202.032	490.517	491.454	490.891
Na 330.237	7661.95	7789.72	7660.89
Ni 231.604	2566.98	2560.77	2560.16
Pb 220.353	509.372	502.935	506.967
Sb 206.834	971.704	975.160	963.328
Se 196.026	4950.51	4966.19	4933.20
Sn 189.925	5070.36	5071.62	5058.64
Sr 216.596	2520.97	2520.73	2513.24
Ti 334.941	491.369	490.804	488.535

Label	Replicates Concentration		
Tl 190.794	5060.42	5065.70	5035.59
V 292.401	4981.22	4984.82	4953.15
Zn 206.200	2549.69	2534.83	2529.06

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Ag 328.068	512.839	ppb	2.2530	0.4	40167.2	102.56785
Al 308.215	4954.84	ppb	9.3433	0.2	34253.8	99.09685
As 188.980	484.229	ppb	7.8327	1.6	279.658	96.84589
B 249.678	507.734	ppb	1.0154	0.2	7797.60	101.54680
Ba 389.178	4928.85	ppb	14.7454	0.3	101364	98.57695
Be 313.042	500.513	ppb	1.7221	0.3	821789	100.10255
Ca 370.602	4965	ppb	23.88	0.5	12264	99.30124
Cd 226.502	508.205	ppb	1.2334	0.2	19041.1	101.64095
Co 228.615	511.337	ppb	1.1251	0.2	5372.11	102.26730
Cr 267.716	4973.45	ppb	16.0988	0.3	250038	99.46909
Cu 324.754	5044.74	ppb	37.0798	0.7	364106	100.89484
Fe 271.441	5119.31	ppb	10.7646	0.2	7396.53	102.38628
K 766.491	10044.9	ppb	29.9943	0.3	446130	100.44855
Mg 279.078	5027.67	ppb	9.2483	0.2	12350.3	100.55332
Mn 257.610	5064.03	ppb	23.0216	0.5	1069958	101.28069
Mo 202.032	490.954	ppb	0.4718	0.1	3105.42	98.19082
Na 330.237	7704.19	ppb	74.0788	1.0	371.611	102.72249
Ni 231.604	2562.63	ppb	3.7733	0.1	7110.91	102.50536
Pb 220.353	506.425	ppb	3.2527	0.6	736.568	101.28493
Sb 206.834	970.064	ppb	6.0839	0.6	1343.98	97.00642
Se 196.026	4949.97	ppb	16.5004	0.3	1985.45	98.99936
Sn 189.925	5066.88	ppb	7.1584	0.1	3345.35	101.33753
Sr 216.596	2518.31	ppb	4.3956	0.2	27413.4	100.73251
Ti 334.941	490.236	ppb	1.5001	0.3	139486	98.04716
Tl 190.794	5053.90	ppb	16.0813	0.3	5007.10	101.07809
V 292.401	4973.07	ppb	17.3392	0.3	129010	99.46131
Zn 206.200	2537.86	ppb	10.6431	0.4	2282.21	101.51445

Cont Calib Blank (CCB) **10/14/2014, 5:44:00 AM** **Rack 4, Tube 38**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Replicates Concentration		
Ag 328.068	0.1963	0.0945	0.1457
Al 308.215	-1.5680u	-0.8188u	-2.4852u
As 188.980	1.1238	-3.2349u	0.4397
B 249.678	10.0624	8.7556	8.6335
Ba 389.178	0.1401	0.2846	0.1152
Be 313.042	0.0028	0.0121	0.0089
Ca 370.602	4.621	6.663	1.026
Cd 226.502	0.2546	0.3714	0.0658
Co 228.615	0.6333	0.1858	1.2157
Cr 267.716	0.3974	0.4299	0.3563
Cu 324.754	0.5016	0.7083	0.6173
Fe 271.441	8.2418	13.5523	10.0035
K 766.491	3.5209	3.8435	3.5066
Mg 279.078	3.8433	7.5788	2.8045
Mn 257.610	0.5885	0.7447	0.6994
Mo 202.032	0.4806	0.5833	0.5777
Na 330.237	73.2655	-25.0826u	-50.8213u

Label	Replicates Concentration		
Ni 231.604	1.2437	1.2999	1.2665
Pb 220.353	0.6893	1.2230	-1.1540u
Sb 206.834	-1.2845u	0.3870	1.7177
Se 196.026	-4.3517u	5.7613	1.1455
Sn 189.925	-1.2700u	1.4113	-1.3046u
Sr 216.596	0.6407	0.2049	0.4515
Ti 334.941	0.1555	0.1942	0.2140
Tl 190.794	-0.3815u	-0.4419u	2.7041
V 292.401	0.4055	0.3894	0.2045
Zn 206.200	-0.1429u	0.4620	0.4440

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Ag 328.068	0.1455	ppb	0.0509	35.0	-1.4394	0.14550
Al 308.215	-1.6240	ppb	0.8346	51.4	505.072	-1.62401
As 188.980	-0.5571	ppb	2.3441	420.8	-5.4049	-0.55712
B 249.678	9.1505	ppb	0.7921	8.7	175.102	9.15051
Ba 389.178	0.1800	ppb	0.0915	50.8	-56.0052	0.18000
Be 313.042	0.0079	ppb	0.0047	59.4	-235.775	0.00795
Ca 370.602	4.103	ppb	2.854	69.6	23.72	4.10335
Cd 226.502	0.2306	ppb	0.1542	66.9	14.2892	0.23061
Co 228.615	0.6783	ppb	0.5164	76.1	4.8147	0.67827
Cr 267.716	0.3945	ppb	0.0369	9.4	51.6875	0.39454
Cu 324.754	0.6090	ppb	0.1036	17.0	282.699	0.60905
Fe 271.441	10.5992	ppb	2.7049	25.5	23.5779	10.59917
K 766.491	3.6237	ppb	0.1905	5.3	357.636	3.62366
Mg 279.078	4.7422	ppb	2.5109	52.9	23.1728	4.74221
Mn 257.610	0.6775	ppb	0.0804	11.9	190.401	0.67755
Mo 202.032	0.5472	ppb	0.0578	10.6	8.9112	0.54720
Na 330.237	-0.8795	ppb	65.4884	7446.5	21.9926	-0.87945
Ni 231.604	1.2700	ppb	0.0283	2.2	-2.8101	1.27004
Pb 220.353	0.2528	ppb	1.2471	493.4	1.4208	0.25276
Sb 206.834	0.2734	ppb	1.5043	550.2	4.8191	0.27341
Se 196.026	0.8517	ppb	5.0629	594.5	2.5199	0.85169
Sn 189.925	-0.3878	ppb	1.5581	401.8	-3.6919	-0.38777
Sr 216.596	0.4323	ppb	0.2185	50.5	7.6423	0.43235
Ti 334.941	0.1879	ppb	0.0298	15.8	5.4847	0.18791
Tl 190.794	0.6269	ppb	1.7992	287.0	-4.6409	0.62689
V 292.401	0.3331	ppb	0.1117	33.5	3.9340	0.33314
Zn 206.200	0.2543	ppb	0.3442	135.3	1.0502	0.25434

680-106200-b-54-a (Samp) **10/14/2014, 5:48:19 AM** **Rack 4, Tube 39**

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

Label	Replicates Concentration		
Ag 328.068	0.7985	1.3558	0.6046
Al 308.215	119223	118860	118980
As 188.980	205.700	214.685	205.051
B 249.678	48.4548	48.9535	48.8170
Ba 389.178	2312.46	2304.27	2303.70
Be 313.042	14.1271	14.1073	14.0986
Ca 370.602	242541	239559	239530
Cd 226.502	8.1754	8.3676	8.6496
Co 228.615	100.650	99.9115	99.2153
Cr 267.716	285.643	284.933	284.515

Label	Replicates Concentration		
Cu 324.754	564.842	561.095	560.168
Fe 271.441	302655	301522	301917
K 766.491	16300.1	16289.3	16291.2
Mg 279.078	45044.3	44922.5	45007.1
Mn 257.610	32544.2x	32472.7x	32544.9x
Mo 202.032	20.0064	18.5709	19.6885
Na 330.237	2000.43u	1944.77u	1648.56u
Ni 231.604	198.524	193.703	195.970
Pb 220.353	2254.96	2238.35	2249.48
Sb 206.834	4.9089	5.1704	5.1152
Se 196.026	1.0488	9.0596	17.1511
Sn 189.925	71.7686	68.1906	74.7629
Sr 216.596	552.415	551.609	551.840
Ti 334.941	1376.06	1373.29	1372.93
Tl 190.794	4.9503u	8.1510u	10.3429u
V 292.401	332.729	331.988	331.842
Zn 206.200	4047.23	4035.40	4042.31

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	0.9196b	ppb	0.3900	42.4	150.162
Al 308.215	119021b	ppb	184.956	0.2	798848
As 188.980	208.479b	ppb	5.3846	2.6	116.931
B 249.678	48.7418b	ppb	0.2577	0.5	143.214
Ba 389.178	2306.81b	ppb	4.8993	0.2	47609.8
Be 313.042	14.1110b	ppb	0.0146	0.1	23002.1
Ca 370.602	240544b	ppb	1730	0.7	578322
Cd 226.502	8.3975b	ppb	0.2385	2.8	1526.40
Co 228.615	99.9255b	ppb	0.7172	0.7	1092.41
Cr 267.716	285.030b	ppb	0.5700	0.2	14643.0
Cu 324.754	562.035b	ppb	2.4747	0.4	40906.6
Fe 271.441	302031b	ppb	575.134	0.2	429928
K 766.491	16293.5b	ppb	5.7673	0.0	723535
Mg 279.078	44991.3b	ppb	62.4044	0.1	110643
Mn 257.610	32520.6xb	ppb	41.4770	0.1	6871755
Mo 202.032	19.4219b	ppb	0.7540	3.9	114.856
Na 330.237	1864.59b	ppb	189.145	10.1	-50.7145
Ni 231.604	196.066b	ppb	2.4119	1.2	561.073
Pb 220.353	2247.60b	ppb	8.4638	0.4	3236.35
Sb 206.834	5.0648b	ppb	0.1378	2.7	23.1206
Se 196.026	9.0865b	ppb	8.0511	88.6	14.7220
Sn 189.925	71.5740b	ppb	3.2905	4.6	43.8684
Sr 216.596	551.955b	ppb	0.4150	0.1	6425.09
Ti 334.941	1374.10b	ppb	1.7133	0.1	391148
Tl 190.794	7.8147b	ppb	2.7120	34.7	-18.3153
V 292.401	332.187b	ppb	0.4755	0.1	8744.61
Zn 206.200	4041.65b	ppb	5.9432	0.1	3642.64

680-106200-b-52-a (Samp) **10/14/2014, 5:52:39 AM** **Rack 4, Tube 40**

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

Label	Replicates Concentration		
Ag 328.068	0.1912	0.3326	0.4277
Al 308.215	164274	164933	165346
As 188.980	101.948	110.681	109.482

Label	Replicates Concentration		
B 249.678	80.9974	82.4066	82.6757
Ba 389.178	1541.78	1546.15	1547.78
Be 313.042	9.1906	9.2022	9.2281
Ca 370.602	538813	541141	537380
Cd 226.502	3.7006	4.3343	4.4773
Co 228.615	64.4944	64.8733	64.8352
Cr 267.716	846.067	847.713	848.319
Cu 324.754	863.832	864.249	863.357
Fe 271.441	338375	338989	338981
K 766.491	13109.0	13183.1	13220.5
Mg 279.078	98084.5	98259.8	98357.9
Mn 257.610	16362.2	16363.7	16385.8
Mo 202.032	48.3662	47.5228	48.2284
Na 330.237	2749.91u	2575.15u	2346.10u
Ni 231.604	476.454	480.775	480.649
Pb 220.353	1452.94	1449.50	1453.61
Sb 206.834	4.1223	6.2135	11.2375
Se 196.026	-7.5568	10.4557	0.3294
Sn 189.925	110.986	108.136	106.624
Sr 216.596	988.236	990.927	988.712
Ti 334.941	1815.82	1821.63	1824.89
Tl 190.794	-17.6610u	-10.9773u	-11.5694u
V 292.401	348.600	349.420	349.920
Zn 206.200	3189.04	3177.71	3191.61

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	0.3171	ppb	0.1190	37.5	4.1416
Al 308.215	164851	ppb	540.656	0.3	1106109
As 188.980	107.371	ppb	4.7341	4.4	57.6647
B 249.678	82.0266	ppb	0.9014	1.1	573.610
Ba 389.178	1545.24	ppb	3.1038	0.2	32030.1
Be 313.042	9.2070	ppb	0.0192	0.2	15047.3
Ca 370.602	539112	ppb	1898	0.4	1297863
Cd 226.502	4.1707	ppb	0.4134	9.9	1517.22
Co 228.615	64.7343	ppb	0.2086	0.3	734.227
Cr 267.716	847.367	ppb	1.1653	0.1	42858.2
Cu 324.754	863.813	ppb	0.4465	0.1	62692.9
Fe 271.441	338782	ppb	352.182	0.1	482236
K 766.491	13170.9	ppb	56.7862	0.4	584906
Mg 279.078	98234.1	ppb	138.471	0.1	242629
Mn 257.610	16370.6	ppb	13.1749	0.1	3460315
Mo 202.032	48.0392	ppb	0.4524	0.9	294.228
Na 330.237	2557.05	ppb	202.513	7.9	-5.4983
Ni 231.604	479.292	ppb	2.4594	0.5	1350.68
Pb 220.353	1452.02	ppb	2.2043	0.2	2080.39
Sb 206.834	7.1911	ppb	3.6569	50.9	32.6242
Se 196.026	1.0761	ppb	9.0294	839.1	8.5602
Sn 189.925	108.582	ppb	2.2150	2.0	68.3278
Sr 216.596	989.292	ppb	1.4359	0.1	11333.2
Ti 334.941	1820.78	ppb	4.5938	0.3	518376
Tl 190.794	-13.4025	ppb	3.6998	27.6	-51.4523
V 292.401	349.313	ppb	0.6662	0.2	9181.43
Zn 206.200	3186.12	ppb	7.3953	0.2	2866.28

680-106200-b-56-a (Samp) **10/14/2014, 5:56:59 AM** **Rack 4, Tube 41**

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

Label	Replicates Concentration		
Ag 328.068	-1.2404u	-1.8841u	-1.2190u
Al 308.215	114970	115268	114915
As 188.980	115.326	114.593	112.584
B 249.678	16.9283u	15.8624u	16.4295u
Ba 389.178	1717.01	1719.70	1716.34
Be 313.042	10.6957	10.6750	10.6642
Ca 370.602	336976	334140	331764
Cd 226.502	-0.2467	-0.2503	-0.1213
Co 228.615	95.7354	94.8280	95.3706
Cr 267.716	167.578	167.690	166.442
Cu 324.754	507.006	517.105	514.409
Fe 271.441	319479	319053	318939
K 766.491	13536.5	13573.3	13537.0
Mg 279.078	150981	150954	150636
Mn 257.610	11654.2	11627.8	11603.3
Mo 202.032	12.3351	12.7832	12.9140
Na 330.237	323.830u	582.211u	304.278u
Ni 231.604	76.3259	76.3298	75.6134
Pb 220.353	402.998	404.620	401.395
Sb 206.834	3.4369	0.3071	-1.3705
Se 196.026	9.9577	-0.6893	0.1076
Sn 189.925	48.6999	35.7434	45.7603
Sr 216.596	281.223	281.060	279.353
Ti 334.941	469.473	466.148	466.305
Tl 190.794	-12.1795u	-4.9122u	-10.8665u
V 292.401	289.511	288.369	288.986
Zn 206.200	1559.60	1555.75	1540.30

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-1.4479	ppb	0.3780	26.1	-132.234
Al 308.215	115051	ppb	190.041	0.2	772264
As 188.980	114.168	ppb	1.4193	1.2	61.3191
B 249.678	16.4068	ppb	0.5333	3.3	-387.780
Ba 389.178	1717.68	ppb	1.7770	0.1	35636.1
Be 313.042	10.6783	ppb	0.0160	0.2	17395.7
Ca 370.602	334294	ppb	2609	0.8	803468
Cd 226.502	-0.2061	ppb	0.0735	35.6	1275.29
Co 228.615	95.3113	ppb	0.4566	0.5	1027.45
Cr 267.716	167.237	ppb	0.6904	0.4	8632.56
Cu 324.754	512.840	ppb	5.2293	1.0	37365.5
Fe 271.441	319157	ppb	284.595	0.1	454304
K 766.491	13548.9	ppb	21.0960	0.2	601689
Mg 279.078	150857	ppb	191.934	0.1	372899
Mn 257.610	11628.4	ppb	25.4505	0.2	2458799
Mo 202.032	12.6774	ppb	0.3036	2.4	71.4876
Na 330.237	403.440	ppb	155.129	38.5	-75.0574
Ni 231.604	76.0897	ppb	0.4125	0.5	229.159
Pb 220.353	403.004	ppb	1.6129	0.4	564.843
Sb 206.834	0.7912	ppb	2.4400	308.4	16.7778
Se 196.026	3.1253	ppb	5.9304	189.8	8.2728
Sn 189.925	43.4012	ppb	6.7928	15.7	25.2484
Sr 216.596	280.545	ppb	1.0357	0.4	3519.05

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ti 334.941	467.309	ppb	1.8759	0.4	133256
Tl 190.794	-9.3194	ppb	3.8728	41.6	-47.1171
V 292.401	288.955	ppb	0.5716	0.2	7620.84
Zn 206.200	1551.89	ppb	10.2131	0.7	1391.29

680-106200-b-61-a (Samp) **10/14/2014, 6:01:18 AM** **Rack 4, Tube 42**

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

Label	Replicates Concentration		
Ag 328.068	-1.9274u	-1.7449u	-2.4400u
Al 308.215	171918	171857	171534
As 188.980	373.386	367.388	375.394
B 249.678	14.5173u	15.0566u	15.0393u
Ba 389.178	483.111	483.155	481.727
Be 313.042	8.2567	8.2674	8.2426
Ca 370.602	24305	24321	24234
Cd 226.502	-8.1249	-7.9088	-8.8201
Co 228.615	155.764	156.106	155.657
Cr 267.716	340.121	339.436	338.753
Cu 324.754	135.332	137.744	136.412
Fe 271.441	534219	533156	531705
K 766.491	9362.97	9337.82	9356.50
Mg 279.078	10671.2	10662.4	10613.6
Mn 257.610	9514.04	9513.62	9514.28
Mo 202.032	16.8926	17.1274	17.7274
Na 330.237	335.303u	330.384u	257.681u
Ni 231.604	102.400	101.849	103.736
Pb 220.353	180.748	190.688	184.723
Sb 206.834	-3.0296	2.0632	0.0457
Se 196.026	-6.3971	6.2360	7.0875
Sn 189.925	15.8968	27.5867	33.1283
Sr 216.596	117.384	117.657	115.249
Ti 334.941	525.057	525.033	524.415
Tl 190.794	-17.5025u	-12.2053u	-11.9302u
V 292.401	450.964	450.484	449.180
Zn 206.200	580.419	576.597	582.077

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-2.0374	ppb	0.3604	17.7	-213.548
Al 308.215	171770	ppb	206.027	0.1	1152820
As 188.980	372.056	ppb	4.1656	1.1	212.317
B 249.678	14.8711	ppb	0.3065	2.1	-863.199
Ba 389.178	482.664	ppb	0.8116	0.2	10153.8
Be 313.042	8.2555	ppb	0.0124	0.2	13328.7
Ca 370.602	24287	ppb	46.10	0.2	53587
Cd 226.502	-8.2846	ppb	0.4762	5.7	1826.74
Co 228.615	155.842	ppb	0.2342	0.2	1677.71
Cr 267.716	339.437	ppb	0.6838	0.2	17373.9
Cu 324.754	136.496	ppb	1.2083	0.9	10305.3
Fe 271.441	533027	ppb	1262.31	0.2	758730
K 766.491	9352.43	ppb	13.0599	0.1	415390
Mg 279.078	10649.1	ppb	31.0224	0.3	26112.4
Mn 257.610	9513.98	ppb	0.3356	0.0	2011652
Mo 202.032	17.2491	ppb	0.4305	2.5	90.9481

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Na 330.237	307.789	ppb	43.4650	14.1	-114.085
Ni 231.604	102.662	ppb	0.9707	0.9	319.165
Pb 220.353	185.387	ppb	5.0030	2.7	236.120
Sb 206.834	-0.3069	ppb	2.5647	835.7	23.5477
Se 196.026	2.3088	ppb	7.5515	327.1	9.2008
Sn 189.925	25.5373	ppb	8.7967	34.4	13.4415
Sr 216.596	116.763	ppb	1.3184	1.1	1849.82
Ti 334.941	524.835	ppb	0.3639	0.1	149413
Tl 190.794	-13.8793	ppb	3.1407	22.6	-78.1618
V 292.401	450.209	ppb	0.9231	0.2	11880.6
Zn 206.200	579.698	ppb	2.8103	0.5	503.718

680-106200-b-46-a (Samp) **10/14/2014, 6:05:38 AM** **Rack 4, Tube 43**

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

Label	Replicates Concentration		
Ag 328.068	-1.9220u	-1.9957u	-2.3975u
Al 308.215	101855	101577	101846
As 188.980	312.073	306.936	306.639
B 249.678	40.6622u	40.9893u	40.6690u
Ba 389.178	1548.35	1541.06	1545.41
Be 313.042	10.1243	10.0451	10.0634
Ca 370.602	91456	90675	90672
Cd 226.502	-4.9381	-4.4655	-4.1175
Co 228.615	105.964	107.335	107.244
Cr 267.716	332.784	330.652	331.189
Cu 324.754	211.436	206.826	209.491
Fe 271.441	369612	367055	368537
K 766.491	10617.4	10623.8	10644.2
Mg 279.078	16674.9	16587.7	16615.7
Mn 257.610	12839.9	12769.4	12807.4
Mo 202.032	23.4106	22.1349	22.9600
Na 330.237	828.812u	853.943u	1033.34u
Ni 231.604	102.870	101.334	103.851
Pb 220.353	630.188	636.864	626.557
Sb 206.834	5.7199	3.8198	-2.8231
Se 196.026	5.4877	4.1625	-9.9891
Sn 189.925	171.645	172.457	178.827
Sr 216.596	465.028	461.312	463.675
Ti 334.941	1387.69	1381.77	1385.11
Tl 190.794	-4.0003u	-3.7464u	-2.3922u
V 292.401	435.991	432.900	433.530
Zn 206.200	812.555	824.361	818.444

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-2.1051	ppb	0.2559	12.2	-188.540
Al 308.215	101759	ppb	157.824	0.2	683268
As 188.980	308.549	ppb	3.0552	1.0	175.250
B 249.678	40.7735	ppb	0.1869	0.5	-119.760
Ba 389.178	1544.94	ppb	3.6652	0.2	31933.0
Be 313.042	10.0776	ppb	0.0415	0.4	16339.0
Ca 370.602	90934	ppb	451.3	0.5	216391
Cd 226.502	-4.5070	ppb	0.4119	9.1	1310.34
Co 228.615	106.847	ppb	0.7667	0.7	1169.42

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Cr 267.716	331.542	ppb	1.1091	0.3	16920.4
Cu 324.754	209.251	ppb	2.3145	1.1	15484.4
Fe 271.441	368401	ppb	1284.05	0.3	524400
K 766.491	10628.4	ppb	13.9803	0.1	472038
Mg 279.078	16626.1	ppb	44.5270	0.3	40858.9
Mn 257.610	12805.6	ppb	35.2536	0.3	2706622
Mo 202.032	22.8352	ppb	0.6469	2.8	133.439
Na 330.237	905.365	ppb	111.540	12.3	-46.9488
Ni 231.604	102.685	ppb	1.2684	1.2	306.765
Pb 220.353	631.203	ppb	5.2277	0.8	891.832
Sb 206.834	2.2389	ppb	4.4855	200.3	21.8360
Se 196.026	-0.1130	ppb	8.5786	7593.7	7.6025
Sn 189.925	174.310	ppb	3.9329	2.3	111.768
Sr 216.596	463.338	ppb	1.8806	0.4	5479.59
Ti 334.941	1384.86	ppb	2.9672	0.2	394169
Tl 190.794	-3.3796	ppb	0.8645	25.6	-46.4620
V 292.401	434.140	ppb	1.6334	0.4	11416.7
Zn 206.200	818.453	ppb	5.9032	0.7	725.871

680-106200-b-50-a (Samp) **10/14/2014, 6:09:58 AM** **Rack 4, Tube 44**

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

Label	Replicates Concentration		
Ag 328.068	3.5648	3.2988	3.0939
Al 308.215	128030	127999	127888
As 188.980	317.148	310.278	300.477
B 249.678	68.3451u	68.4790u	70.0766u
Ba 389.178	3930.02	3916.57	3911.81
Be 313.042	14.5759	14.5502	14.5065
Ca 370.602	86661	86567	86161
Cd 226.502	18.0173	17.7945	17.6175
Co 228.615	134.224	133.932	133.225
Cr 267.716	796.508	794.789	792.721
Cu 324.754	1461.74	1476.15	1462.44
Fe 271.441	773221	773934	772530
K 766.491	9896.59	9912.01	9939.14
Mg 279.078	14168.8	14137.3	14118.5
Mn 257.610	10189.7	10131.7	10120.3
Mo 202.032	34.2575	35.9750	35.7028
Na 330.237	2885.06u	2812.22u	2932.29u
Ni 231.604	187.162	186.545	189.915
Pb 220.353	3466.23	3458.72	3437.76
Sb 206.834	34.3209	25.5409	29.9235
Se 196.026	18.5079	-1.2725	-5.8272
Sn 189.925	192.498	199.016	198.636
Sr 216.596	760.718	757.256	756.877
Ti 334.941	2056.29	2044.86	2065.38
Tl 190.794	-29.5626u	-20.3277u	-22.1301u
V 292.401	708.918	710.382	707.028
Zn 206.200	7901.52	7865.81	7856.32

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	3.3192	ppb	0.2361	7.1	151.462
Al 308.215	127972	ppb	74.7000	0.1	859678

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
As 188.980	309.301	ppb	8.3784	2.7	173.604
B 249.678	68.9669	ppb	0.9634	1.4	-542.626
Ba 389.178	3919.47	ppb	9.4470	0.2	80986.3
Be 313.042	14.5442	ppb	0.0351	0.2	23671.6
Ca 370.602	86463	ppb	265.7	0.3	201699
Cd 226.502	17.8098	ppb	0.2004	1.1	3762.11
Co 228.615	133.794	ppb	0.5138	0.4	1491.05
Cr 267.716	794.673	ppb	1.8963	0.2	40369.0
Cu 324.754	1466.78	ppb	8.1254	0.6	106368
Fe 271.441	773228	ppb	701.839	0.1	1100629
K 766.491	9915.91	ppb	21.5387	0.2	440406
Mg 279.078	14141.5	ppb	25.4457	0.2	34754.2
Mn 257.610	10147.3	ppb	37.2044	0.4	2146164
Mo 202.032	35.3118	ppb	0.9231	2.6	194.513
Na 330.237	2876.52	ppb	60.4882	2.1	-206.450
Ni 231.604	187.874	ppb	1.7945	1.0	574.166
Pb 220.353	3454.24	ppb	14.7577	0.4	4947.88
Sb 206.834	29.9284	ppb	4.3900	14.7	75.7097
Se 196.026	3.8027	ppb	12.9370	340.2	11.8107
Sn 189.925	196.717	ppb	3.6583	1.9	126.576
Sr 216.596	758.284	ppb	2.1168	0.3	9122.41
Ti 334.941	2055.51	ppb	10.2821	0.5	585084
Tl 190.794	-24.0068	ppb	4.8951	20.4	-116.695
V 292.401	708.776	ppb	1.6817	0.2	18689.6
Zn 206.200	7874.55	ppb	23.8299	0.3	7088.69

X (Samp) **10/14/2014, 6:14:18 AM** **Rack 4, Tube 45**

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

Label	Replicates Concentration		
Ag 328.068	11.2241	10.7818	10.9664
Al 308.215	210.278	212.018	210.353
As 188.980	18.5357	19.2423	19.2876
B 249.678	106.406	107.601	108.660
Ba 389.178	10.5728	10.7106	10.9705
Be 313.042	4.2485	4.2669	4.2693
Ca 370.602	520.4	520.7	519.0
Cd 226.502	5.6272	5.5858	5.6617
Co 228.615	10.9266	11.4411	10.9347
Cr 267.716	10.5664	10.7242	10.7566
Cu 324.754	22.6179	22.2815	22.1476
Fe 271.441	92.1757	87.1095	84.8817
K 766.491	1074.94	1077.62	1077.49
Mg 279.078	537.186	536.645	531.502
Mn 257.610	12.4898	12.4447	12.3846
Mo 202.032	9.9728	9.6309	10.6237
Na 330.237	984.368	980.929	975.853
Ni 231.604	43.5816	44.1670	43.9283
Pb 220.353	10.7910	13.2947	9.4036
Sb 206.834	19.3099	21.0412	18.0800
Se 196.026	36.9161	20.4467	20.5447
Sn 189.925	54.8177	55.1377	51.3154
Sr 216.596	10.4579	10.3754	9.9242
Ti 334.941	10.8439	10.7590	10.8005

Label	Replicates Concentration		
Tl 190.794	27.5444	26.5506	25.3734
V 292.401	10.6629	10.5179	10.4352
Zn 206.200	23.0514	20.5970	21.7825

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	10.9908	ppb	0.2221	2.0	848.961
Al 308.215	210.883	ppb	0.9834	0.5	1931.13
As 188.980	19.0219	ppb	0.4216	2.2	6.1113
B 249.678	107.556	ppb	1.1278	1.0	1679.16
Ba 389.178	10.7513	ppb	0.2019	1.9	162.278
Be 313.042	4.2616	ppb	0.0114	0.3	6748.06
Ca 370.602	520.0	ppb	0.8659	0.2	1272
Cd 226.502	5.6249	ppb	0.0380	0.7	216.444
Co 228.615	11.1008	ppb	0.2947	2.7	114.221
Cr 267.716	10.6824	ppb	0.1018	1.0	568.873
Cu 324.754	22.3490	ppb	0.2423	1.1	1851.25
Fe 271.441	88.0556	ppb	3.7379	4.2	135.086
K 766.491	1076.68	ppb	1.5087	0.1	47995.3
Mg 279.078	535.111	ppb	3.1374	0.6	1334.75
Mn 257.610	12.4397	ppb	0.0528	0.4	2679.59
Mo 202.032	10.0758	ppb	0.5043	5.0	69.1643
Na 330.237	980.383	ppb	4.2836	0.4	73.4274
Ni 231.604	43.8923	ppb	0.2943	0.7	115.561
Pb 220.353	11.1631	ppb	1.9720	17.7	17.1769
Sb 206.834	19.4770	ppb	1.4877	7.6	30.3753
Se 196.026	25.9691	ppb	9.4804	36.5	12.5812
Sn 189.925	53.7569	ppb	2.1205	3.9	32.0935
Sr 216.596	10.2525	ppb	0.2873	2.8	113.873
Ti 334.941	10.8011	ppb	0.0425	0.4	3026.94
Tl 190.794	26.4895	ppb	1.0868	4.1	20.9733
V 292.401	10.5387	ppb	0.1152	1.1	267.467
Zn 206.200	21.8103	ppb	1.2274	5.6	20.5091

CRI (Samp) **10/14/2014, 6:18:37 AM** **Rack 4, Tube 46**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Replicates Concentration		
Ag 328.068	10.9286	11.2762	11.2591
Al 308.215	202.895	204.925	204.421
As 188.980	19.5396	26.0868	20.0832
B 249.678	107.757	107.321	109.103
Ba 389.178	9.8993	9.9820	10.7572
Be 313.042	4.2396	4.2218	4.2409
Ca 370.602	506.1	510.8	521.6
Cd 226.502	5.2817	5.7143	5.6292
Co 228.615	11.3151	11.2576	10.9544
Cr 267.716	10.5360	10.6918	10.6474
Cu 324.754	21.9022	22.7302	22.0231
Fe 271.441	64.0972	63.5543	59.5807
K 766.491	1065.86	1071.14	1069.39
Mg 279.078	533.882	530.905	534.411
Mn 257.610	11.2810	11.2093	11.3396
Mo 202.032	10.2018	10.3525	10.4320
Na 330.237	983.107	1042.59	824.762

Label	Replicates Concentration		
Ni 231.604	44.0591	43.9631	44.2810
Pb 220.353	10.5547	10.8356	8.4449
Sb 206.834	18.3455	18.2949	18.4822
Se 196.026	18.8425	20.2497	16.1198
Sn 189.925	50.8001	52.3642	51.2001
Sr 216.596	9.8132	10.0752	10.5845
Ti 334.941	10.4687	10.4554	10.5337
Tl 190.794	24.1023	27.4595	25.4657
V 292.401	10.7102	10.8572	10.5739
Zn 206.200	22.1453	21.9072	20.8707

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	11.1546	ppb	0.1959	1.8	861.808
Al 308.215	204.080	ppb	1.0568	0.5	1885.51
As 188.980	21.9032	ppb	3.6333	16.6	7.8062
B 249.678	108.060	ppb	0.9291	0.9	1686.91
Ba 389.178	10.2129	ppb	0.4733	4.6	151.183
Be 313.042	4.2341	ppb	0.0107	0.3	6702.93
Ca 370.602	512.8	ppb	7.984	1.6	1254
Cd 226.502	5.5417	ppb	0.2292	4.1	213.230
Co 228.615	11.1757	ppb	0.1938	1.7	114.993
Cr 267.716	10.6251	ppb	0.0803	0.8	565.975
Cu 324.754	22.2185	ppb	0.4472	2.0	1841.83
Fe 271.441	62.4107	ppb	2.4659	4.0	98.5817
K 766.491	1068.80	ppb	2.6897	0.3	47645.1
Mg 279.078	533.066	ppb	1.8905	0.4	1329.72
Mn 257.610	11.2766	ppb	0.0653	0.6	2433.77
Mo 202.032	10.3288	ppb	0.1169	1.1	70.7656
Na 330.237	950.154	ppb	112.592	11.8	71.8281
Ni 231.604	44.1011	ppb	0.1630	0.4	116.138
Pb 220.353	9.9451	ppb	1.3068	13.1	15.4171
Sb 206.834	18.3742	ppb	0.0969	0.5	28.8995
Se 196.026	18.4040	ppb	2.0996	11.4	9.5513
Sn 189.925	51.4548	ppb	0.8126	1.6	30.5719
Sr 216.596	10.1576	ppb	0.3922	3.9	112.810
Ti 334.941	10.4859	ppb	0.0419	0.4	2937.24
Tl 190.794	25.6758	ppb	1.6885	6.6	20.1695
V 292.401	10.7138	ppb	0.1417	1.3	271.963
Zn 206.200	21.6410	ppb	0.6777	3.1	20.3572

Cont Calib Verif (CCV) **10/14/2014, 6:22:57 AM** **Rack 4, Tube 49**

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

Label	Replicates Concentration		
Ag 328.068	516.097	513.256	513.169
Al 308.215	4951.37	4950.65	4957.76
As 188.980	492.817	488.453	485.556
B 249.678	503.704	505.433	506.814
Ba 389.178	4920.99	4906.66	4915.42
Be 313.042	499.013	498.637	498.381
Ca 370.602	4901	4898	4864
Cd 226.502	506.984	506.987	505.924
Co 228.615	508.139	506.611	508.497
Cr 267.716	4953.34	4942.96	4945.11

Label	Replicates Concentration		
Cu 324.754	5077.48	5094.35	5098.77
Fe 271.441	5055.33	5062.11	5073.94
K 766.491	10110.4	10068.7	10095.5
Mg 279.078	5030.09	5022.02	5026.28
Mn 257.610	5038.65	5048.92	5014.29
Mo 202.032	490.015	489.935	491.538
Na 330.237	7836.66	7771.80	7937.54
Ni 231.604	2568.80	2561.33	2555.83
Pb 220.353	500.074	506.555	500.876
Sb 206.834	976.528	968.356	980.926
Se 196.026	4983.12	4955.99	4957.11
Sn 189.925	5041.08	5048.17	5038.48
Sr 216.596	2510.63	2504.52	2510.18
Ti 334.941	490.187	489.679	490.331
Tl 190.794	5049.00	5033.45	5042.48
V 292.401	4965.24	4961.37	4967.37
Zn 206.200	2511.16	2514.24	2508.53

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Ag 328.068	514.174	ppb	1.6661	0.3	40271.5	102.83476
Al 308.215	4953.26	ppb	3.9108	0.1	34243.3	99.06519
As 188.980	488.942	ppb	3.6552	0.7	282.430	97.78844
B 249.678	505.317	ppb	1.5581	0.3	7760.85	101.06339
Ba 389.178	4914.36	ppb	7.2215	0.1	101066	98.28714
Be 313.042	498.677	ppb	0.3179	0.1	818774	99.73539
Ca 370.602	4888	ppb	20.33	0.4	12078	97.75471
Cd 226.502	506.632	ppb	0.6129	0.1	18982.1	101.32635
Co 228.615	507.749	ppb	1.0012	0.2	5334.38	101.54979
Cr 267.716	4947.13	ppb	5.4809	0.1	248715	98.94270
Cu 324.754	5090.20	ppb	11.2339	0.2	367386	101.80402
Fe 271.441	5063.79	ppb	9.4177	0.2	7317.29	101.27579
K 766.491	10091.5	ppb	21.1335	0.2	448201	100.91515
Mg 279.078	5026.13	ppb	4.0388	0.1	12346.8	100.52260
Mn 257.610	5033.95	ppb	17.7830	0.4	1063603	100.67906
Mo 202.032	490.496	ppb	0.9032	0.2	3102.52	98.09919
Na 330.237	7848.67	ppb	83.5184	1.1	379.711	104.64888
Ni 231.604	2561.99	ppb	6.5130	0.3	7109.12	102.47952
Pb 220.353	502.502	ppb	3.5328	0.7	730.894	100.50035
Sb 206.834	975.270	ppb	6.3787	0.7	1350.89	97.52701
Se 196.026	4965.41	ppb	15.3475	0.3	1991.62	99.30811
Sn 189.925	5042.58	ppb	5.0128	0.1	3329.29	100.85152
Sr 216.596	2508.44	ppb	3.4042	0.1	27305.6	100.33775
Ti 334.941	490.066	ppb	0.3422	0.1	139437	98.01315
Tl 190.794	5041.64	ppb	7.8082	0.2	4994.95	100.83279
V 292.401	4964.66	ppb	3.0446	0.1	128791	99.29321
Zn 206.200	2511.31	ppb	2.8620	0.1	2258.20	100.45242

Cont Calib Blank (CCB) **10/14/2014, 6:27:17 AM** **Rack 4, Tube 50**

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

Label	Replicates Concentration		
Ag 328.068	0.0060	-0.2267u	0.0946
Al 308.215	-7.4736u	-4.6715u	-4.4927u
As 188.980	4.5625	-1.6463u	1.9896

Label	Replicates Concentration		
B 249.678	10.3734	9.3092	8.8373
Ba 389.178	-0.0087u	0.4696	-0.3399u
Be 313.042	-0.0067u	-0.0013u	0.0000
Ca 370.602	5.603	6.106	0.0424
Cd 226.502	0.4554	0.1809	0.2241
Co 228.615	0.5609	0.7265	0.7147
Cr 267.716	0.4043	0.2437	0.2284
Cu 324.754	0.3061	0.6242	0.5298
Fe 271.441	3.1492	2.0511	4.3340
K 766.491	2.5515	2.9883	2.8743
Mg 279.078	5.3551	4.9912	4.8784
Mn 257.610	0.3312	0.3355	0.4134
Mo 202.032	0.4053	0.1720	0.1623
Na 330.237	-37.9649u	37.3662	-41.1354u
Ni 231.604	1.7265	0.9187	-0.2852u
Pb 220.353	0.1155	1.5408	0.0132
Sb 206.834	-0.7309u	2.3823	-2.7659u
Se 196.026	2.3360	1.4610	8.4461
Sn 189.925	-2.7763u	-0.1906u	-1.1818u
Sr 216.596	0.7022	0.3572	0.0321
Ti 334.941	0.1070	0.1352	0.0609
Tl 190.794	1.2187	1.3104	0.7912
V 292.401	0.2756	0.3892	0.4417
Zn 206.200	0.3494	1.0325	1.4036

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Ag 328.068	-0.0420	ppb	0.1660	394.9	-16.1604	-0.04202
Al 308.215	-5.5459	ppb	1.6718	30.1	478.765	-5.54595
As 188.980	1.6353	ppb	3.1195	190.8	-4.1153	1.63525
B 249.678	9.5066	ppb	0.7869	8.3	180.541	9.50664
Ba 389.178	0.0403	ppb	0.4070	1008.8	-58.8808	0.04035
Be 313.042	-0.0027	ppb	0.0036	133.5	-253.199	-0.00268
Ca 370.602	3.917	ppb	3.365	85.9	23.29	3.91715
Cd 226.502	0.2868	ppb	0.1476	51.5	16.3714	0.28681
Co 228.615	0.6674	ppb	0.0924	13.8	4.7050	0.66737
Cr 267.716	0.2921	ppb	0.0975	33.4	46.5352	0.29215
Cu 324.754	0.4867	ppb	0.1634	33.6	273.860	0.48668
Fe 271.441	3.1781	ppb	1.1418	35.9	12.9980	3.17811
K 766.491	2.8047	ppb	0.2265	8.1	321.278	2.80468
Mg 279.078	5.0749	ppb	0.2491	4.9	24.0038	5.07490
Mn 257.610	0.3600	ppb	0.0462	12.8	123.314	0.36004
Mo 202.032	0.2465	ppb	0.1376	55.8	7.0095	0.24652
Na 330.237	-13.9114	ppb	44.4360	319.4	21.2796	-13.91137
Ni 231.604	0.7867	ppb	1.0123	128.7	-4.1527	0.78668
Pb 220.353	0.5565	ppb	0.8540	153.4	1.8605	0.55651
Sb 206.834	-0.3715	ppb	2.5929	698.0	3.9622	-0.37150
Se 196.026	4.0811	ppb	3.8055	93.2	3.8130	4.08106
Sn 189.925	-1.3829	ppb	1.3045	94.3	-4.3496	-1.38290
Sr 216.596	0.3638	ppb	0.3351	92.1	6.8996	0.36384
Ti 334.941	0.1010	ppb	0.0375	37.1	-19.2437	0.10104
Tl 190.794	1.1068	ppb	0.2771	25.0	-4.1650	1.10678
V 292.401	0.3688	ppb	0.0849	23.0	4.9019	0.36885
Zn 206.200	0.9285	ppb	0.5347	57.6	1.6602	0.92848

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Blank (Blk) **10/15/2014, 9:46:19 AM** **Rack S, Tube 1**

Label	Replicates	Concentration	
Ag 328.068	0.2093	-0.1737	-0.0356
Al 308.215	-0.7545	-0.0194	0.7739
As 188.980	-4.4012	5.7492	-1.3480
B 249.678	0.3484	-0.3193	-0.0291
Ba 389.178	0.4368	-0.4360	-0.0008
Be 313.042	-0.0008	0.0005	0.0003
Ca 370.602	1.662	-2.364	0.7022
Cd 226.502	-0.1706	0.0720	0.0986
Co 228.615	-0.5273	0.2869	0.2404
Cr 267.716	0.0684	-0.1326	0.0643
Cu 324.754	0.0923	0.1190	-0.2113
Fe 271.441	1.4558	-0.5103	-0.9455
K 766.491	-0.4177	0.4037	0.0140
Mg 279.078	-1.1570	1.0711	0.0859
Mn 257.610	0.0018	0.0072	-0.0090
Mo 202.032	-0.1963	-0.0083	0.2046
Na 330.237	26.4752	-146.306	119.831
Ni 231.604	0.5693	0.3481	-0.9174
Pb 220.353	-1.3069	0.9324	0.3746
Sb 206.834	-2.1548	2.4398	-0.2851
Se 196.026	1.3134	2.5771	-3.8905
Sn 189.925	0.3349	0.7972	-1.1321
Sr 216.596	0.0114	-0.1567	0.1453
Ti 334.941	0.0023	0.0003	-0.0026
Tl 190.794	-2.9144	3.2356	-0.3212
V 292.401	-0.2296	0.1023	0.1273
Zn 206.200	0.0882	1.1971	-1.2853

Label	Sol'n Conc.	Units	SD(Int)	%RSD(Int)	Int. (c/s)
Ag 328.068	0.0000	ppb	15.001	143.4	-10.4600
Al 308.215	0.0000	ppb	5.058	1.3	394.370
As 188.980	0.0000	ppb	2.794	115.8	-2.4120
B 249.678	0.0000	ppb	5.062	14.3	35.4656
Ba 389.178	0.0000	ppb	8.850	17.4	-50.7832
Be 313.042	0.0000	ppb	1.207	0.4	-317.064
Ca 370.602	0.0000	ppb	4.860	43.6	11.13
Cd 226.502	0.0000	ppb	5.550	42.0	13.2034
Co 228.615	0.0000	ppb	4.763	151.2	3.1493
Cr 267.716	0.0000	ppb	5.700	18.3	31.1313
Cu 324.754	0.0000	ppb	12.866	5.1	249.897
Fe 271.441	0.0000	ppb	1.802	26.4	6.8218
K 766.491	0.0000	ppb	17.576	5.4	325.082
Mg 279.078	0.0000	ppb	2.713	14.3	18.9317
Mn 257.610	0.0000	ppb	1.709	4.2	40.6956
Mo 202.032	0.0000	ppb	1.241	19.8	6.2756
Na 330.237	0.0000	ppb	6.455	29.3	22.0551
Ni 231.604	0.0000	ppb	2.222	46.5	-4.7767
Pb 220.353	0.0000	ppb	1.662	381.6	0.4356
Sb 206.834	0.0000	ppb	3.045	271.2	1.1227
Se 196.026	0.0000	ppb	1.320	48.2	2.7401
Sn 189.925	0.0000	ppb	0.662	12.3	-5.3728
Sr 216.596	0.0000	ppb	1.653	69.2	2.3883
Ti 334.941	0.0000	ppb	0.677	1.1	-61.8763

Label	Sol'n Conc.	Units	SD(Int)	%RSD(Int)	Int. (c/s)
Tl 190.794	0.0000	ppb	3.018	50.6	-5.9622
V 292.401	0.0000	ppb	5.163	72.6	-7.1102
Zn 206.200	0.0000	ppb	1.122	93.0	1.2067

HIGH STD (Std) **10/15/2014, 9:50:34 AM** **Rack S, Tube 2**

Label	Replicates Concentration		
Ag 328.068	997.508	1001.78	1000.71
Al 308.215	10011.4	9978.78	10009.8
As 188.980	1002.13	993.520	1004.35
B 249.678	995.964	999.224	1004.81
Ba 389.178	10000.7	9980.26	10019.1
Be 313.042	999.381	997.728	1002.89
Ca 370.602	10024	9984	9992
Cd 226.502	999.966	997.472	1002.56
Co 228.615	1003.49	994.837	1001.67
Cr 267.716	10017.8	9975.98	10006.2
Cu 324.754	9941.47	10064.1	9994.42
Fe 271.441	10000.6	9978.01	10021.3
K 766.491	19988.5	19999.7	20011.8
Mg 279.078	10019.1	9970.36	10010.6
Mn 257.610	10023.4	9982.14	9994.48
Mo 202.032	999.712	997.032	1003.25
Na 330.237	15047.7	15147.6	14804.7
Ni 231.604	5007.85	4981.45	5010.70
Pb 220.353	998.057	1002.79	999.157
Sb 206.834	2002.78	1989.61	2007.61
Se 196.026	9997.58	9965.00	10037.4
Sn 189.925	10005.9	10013.6	9980.47
Sr 216.596	5004.85	4978.57	5016.57
Ti 334.941	1000.76	998.738	1000.51
Tl 190.794	10027.8	9971.75	10000.5
V 292.401	10013.3	9976.96	10009.7
Zn 206.200	5015.10	4978.13	5006.77

Label	Sol'n Conc.	Units	SD(Int)	%RSD(Int)	Int. (c/s)
Ag 328.068	1000.00	ppb	171.938	0.2	77329.6
Al 308.215	10000.0	ppb	121.704	0.2	66567.6
As 188.980	1000.00	ppb	3.069	0.6	534.071
B 249.678	1000.00	ppb	67.667	0.4	15156.4
Ba 389.178	10000.0	ppb	393.678	0.2	202763
Be 313.042	1000.00	ppb	4292.649	0.3	1627666
Ca 370.602	10000	ppb	49.078	0.2	23128
Cd 226.502	1000.00	ppb	95.241	0.3	37437.0
Co 228.615	1000.00	ppb	47.540	0.5	10419.8
Cr 267.716	10000.0	ppb	1071.040	0.2	496253
Cu 324.754	10000.0	ppb	4313.833	0.6	701614
Fe 271.441	10000.0	ppb	30.521	0.2	14089.4
K 766.491	20000.0	ppb	498.976	0.1	855889
Mg 279.078	10000.0	ppb	63.206	0.3	24314.0
Mn 257.610	10000.0	ppb	4377.148	0.2	2067958
Mo 202.032	1000.00	ppb	19.316	0.3	6194.62
Na 330.237	15000.0	ppb	8.431	1.1	739.152
Ni 231.604	5000.00	ppb	44.676	0.3	13846.0

Label	Sol'n Conc.	Units	SD(Int)	%RSD(Int)	Int. (c/s)
Pb 220.353	1000.00	ppb	3.528	0.2	1426.38
Sb 206.834	2000.00	ppb	12.274	0.5	2636.91
Se 196.026	10000.0	ppb	13.964	0.4	3852.88
Sn 189.925	10000.0	ppb	11.407	0.2	6569.48
Sr 216.596	5000.00	ppb	212.604	0.4	54632.4
Ti 334.941	1000.00	ppb	305.116	0.1	277420
Tl 190.794	10000.0	ppb	27.389	0.3	9769.54
V 292.401	10000.0	ppb	519.047	0.2	259170
Zn 206.200	5000.00	ppb	17.497	0.4	4512.06

Ag 328.068 Calibration (ppb) **10/15/2014, 9:50:34 AM** **Correlation Coefficient: 1.000000**

Label	Flags	Int. (c/s)	Std Conc.	Calc Conc.	Error	%Error
Blank		-10.4600	0.0000	0.0000	-	-
HIGH STD		77329.6	1000.00	1000.00	0.0000	0.0

Curve Type: Linear Equation: y = 77.3 x + -10.5

Al 308.215 Calibration (ppb) **10/15/2014, 9:50:34 AM** **Correlation Coefficient: 1.000000**

Label	Flags	Int. (c/s)	Std Conc.	Calc Conc.	Error	%Error
Blank		394.370	0.0000	0.0000	-	-
HIGH STD		66567.6	10000.0	10000.0	0.0000	0.0

Curve Type: Linear Equation: y = 6.6 x + 394.4

As 188.980 Calibration (ppb) **10/15/2014, 9:50:34 AM** **Correlation Coefficient: 1.000000**

Label	Flags	Int. (c/s)	Std Conc.	Calc Conc.	Error	%Error
Blank		-2.4120	0.0000	0.0000	-	-
HIGH STD		534.071	1000.00	1000.00	0.0000	0.0

Curve Type: Linear Equation: y = 0.5 x + -2.4

B 249.678 Calibration (ppb) **10/15/2014, 9:50:34 AM** **Correlation Coefficient: 1.000000**

Label	Flags	Int. (c/s)	Std Conc.	Calc Conc.	Error	%Error
Blank		35.4656	0.0000	0.0000	-	-
HIGH STD		15156.4	1000.00	1000.00	0.0000	0.0

Curve Type: Linear Equation: y = 15.1 x + 35.5

Ba 389.178 Calibration (ppb) **10/15/2014, 9:50:34 AM** **Correlation Coefficient: 1.000000**

Label	Flags	Int. (c/s)	Std Conc.	Calc Conc.	Error	%Error
Blank		-50.7832	0.0000	0.0000	-	-
HIGH STD		202763	10000.0	10000.0	0.0000	0.0

Curve Type: Linear Equation: y = 20.3 x + -50.8

Be 313.042 Calibration (ppb) 10/15/2014, 9:50:34 AM Correlation Coefficient: 1.000000

Label	Flags	Int. (c/s)	Std Conc.	Calc Conc.	Error	%Error
Blank		-317.064	0.0000	0.0000	-	-
HIGH STD		1627666	1000.00	1000.00	0.0000	0.0

Curve Type: Linear Equation: y = 1628.0 x + -317.1

Ca 370.602 Calibration (ppb) 10/15/2014, 9:50:34 AM Correlation Coefficient: 1.000000

Label	Flags	Int. (c/s)	Std Conc.	Calc Conc.	Error	%Error
Blank		11.13	0.0000	0.0000	-	-
HIGH STD		23128	10000	10000	0.0010	0.0

Curve Type: Linear Equation: y = 2.3 x + 11.1

Cd 226.502 Calibration (ppb) 10/15/2014, 9:50:34 AM Correlation Coefficient: 1.000000

Label	Flags	Int. (c/s)	Std Conc.	Calc Conc.	Error	%Error
Blank		13.2034	0.0000	0.0000	-	-
HIGH STD		37437.0	1000.00	1000.000	-0.0001	0.0

Curve Type: Linear Equation: y = 37.4 x + 13.2

Co 228.615 Calibration (ppb) 10/15/2014, 9:50:34 AM Correlation Coefficient: 1.000000

Label	Flags	Int. (c/s)	Std Conc.	Calc Conc.	Error	%Error
Blank		3.1493	0.0000	0.0000	-	-
HIGH STD		10419.8	1000.00	1000.00	0.0000	0.0

Curve Type: Linear Equation: y = 10.4 x + 3.1

Cr 267.716 Calibration (ppb) 10/15/2014, 9:50:34 AM Correlation Coefficient: 1.000000

Label	Flags	Int. (c/s)	Std Conc.	Calc Conc.	Error	%Error
Blank		31.1313	0.0000	0.0000	-	-
HIGH STD		496253	10000.0	10000.0	0.0000	0.0

Curve Type: Linear Equation: y = 49.6 x + 31.1

Cu 324.754 Calibration (ppb) 10/15/2014, 9:50:34 AM Correlation Coefficient: 1.000000

Label	Flags	Int. (c/s)	Std Conc.	Calc Conc.	Error	%Error
Blank		249.897	0.0000	0.0000	-	-
HIGH STD		701614	10000.0	10000.0	0.0010	0.0

Curve Type: Linear Equation: y = 70.1 x + 249.9

Fe 271.441 Calibration (ppb) 10/15/2014, 9:50:34 AM Correlation Coefficient: 1.000000

Label	Flags	Int. (c/s)	Std Conc.	Calc Conc.	Error	%Error
Blank		6.8218	0.0000	0.0000	-	-
HIGH STD		14089.4	10000.0	10000.0	0.0000	0.0

Curve Type: Linear Equation: y = 1.4 x + 6.8

K 766.491 Calibration (ppb) 10/15/2014, 9:50:34 AM Correlation Coefficient: 1.000000

Label	Flags	Int. (c/s)	Std Conc.	Calc Conc.	Error	%Error
Blank		325.082	0.0000	0.0000	-	-
HIGH STD		855889	20000.0	20000.0	0.0000	0.0

Curve Type: Linear Equation: y = 42.8 x + 325.1

Mg 279.078 Calibration (ppb) 10/15/2014, 9:50:34 AM Correlation Coefficient: 1.000000

Label	Flags	Int. (c/s)	Std Conc.	Calc Conc.	Error	%Error
Blank		18.9317	0.0000	0.0000	-	-
HIGH STD		24314.0	10000.0	10000.0	0.0000	0.0

Curve Type: Linear Equation: y = 2.4 x + 18.9

Mn 257.610 Calibration (ppb) 10/15/2014, 9:50:34 AM Correlation Coefficient: 1.000000

Label	Flags	Int. (c/s)	Std Conc.	Calc Conc.	Error	%Error
Blank		40.6956	0.0000	0.0000	-	-
HIGH STD		2067958	10000.0	10000.0	0.0010	0.0

Curve Type: Linear Equation: y = 206.8 x + 40.7

Mo 202.032 Calibration (ppb) 10/15/2014, 9:50:34 AM Correlation Coefficient: 1.000000

Label	Flags	Int. (c/s)	Std Conc.	Calc Conc.	Error	%Error
Blank		6.2756	0.0000	0.0000	-	-
HIGH STD		6194.62	1000.00	1000.000	-0.0002	0.0

Curve Type: Linear Equation: y = 6.2 x + 6.3

Na 330.237 Calibration (ppb) 10/15/2014, 9:50:34 AM Correlation Coefficient: 1.000000

Label	Flags	Int. (c/s)	Std Conc.	Calc Conc.	Error	%Error
Blank		22.0551	0.0000	0.0000	-	-
HIGH STD		739.152	15000.0	15000.0	-0.0010	0.0

Curve Type: Linear Equation: y = 0.0 x + 22.1

Ni 231.604 Calibration (ppb) 10/15/2014, 9:50:34 AM Correlation Coefficient: 1.000000

Label	Flags	Int. (c/s)	Std Conc.	Calc Conc.	Error	%Error
Blank		-4.7767	0.0000	0.0000	-	-
HIGH STD		13846.0	5000.00	5000.00	0.0000	0.0

Curve Type: Linear Equation: y = 2.8 x + -4.8

Pb 220.353 Calibration (ppb) 10/15/2014, 9:50:34 AM Correlation Coefficient: 1.000000

Label	Flags	Int. (c/s)	Std Conc.	Calc Conc.	Error	%Error
Blank		0.4356	0.0000	0.0000	-	-
HIGH STD		1426.38	1000.00	1000.00	0.0000	0.0

Curve Type: Linear Equation: y = 1.4 x + 0.4

Sb 206.834 Calibration (ppb) 10/15/2014, 9:50:34 AM Correlation Coefficient: 1.000000

Label	Flags	Int. (c/s)	Std Conc.	Calc Conc.	Error	%Error
Blank		1.1227	0.0000	0.0000	-	-
HIGH STD		2636.91	2000.00	2000.00	0.0001	0.0

Curve Type: Linear Equation: y = 1.3 x + 1.1

Se 196.026 Calibration (ppb) 10/15/2014, 9:50:34 AM Correlation Coefficient: 1.000000

Label	Flags	Int. (c/s)	Std Conc.	Calc Conc.	Error	%Error
Blank		2.7401	0.0000	0.0000	-	-
HIGH STD		3852.88	10000.0	10000.0	0.0000	0.0

Curve Type: Linear Equation: y = 0.4 x + 2.7

Sn 189.925 Calibration (ppb) 10/15/2014, 9:50:34 AM Correlation Coefficient: 1.000000

Label	Flags	Int. (c/s)	Std Conc.	Calc Conc.	Error	%Error
Blank		-5.3728	0.0000	0.0000	-	-
HIGH STD		6569.48	10000.0	10000.00	-0.0010	0.0

Curve Type: Linear Equation: y = 0.7 x + -5.4

Sr 216.596 Calibration (ppb) 10/15/2014, 9:50:34 AM Correlation Coefficient: 1.000000

Label	Flags	Int. (c/s)	Std Conc.	Calc Conc.	Error	%Error
Blank		2.3883	0.0000	0.0000	-	-
HIGH STD		54632.4	5000.00	5000.00	0.0000	0.0

Curve Type: Linear Equation: y = 10.9 x + 2.4

Ti 334.941 Calibration (ppb) 10/15/2014, 9:50:34 AM Correlation Coefficient: 1.000000

Label	Flags	Int. (c/s)	Std Conc.	Calc Conc.	Error	%Error
Blank		-61.8763	0.0000	0.0000	-	-
HIGH STD		277420	1000.00	1000.000	-0.0002	0.0

Curve Type: Linear Equation: y = 277.5 x + -61.9

Tl 190.794 Calibration (ppb) 10/15/2014, 9:50:34 AM Correlation Coefficient: 1.000000

Label	Flags	Int. (c/s)	Std Conc.	Calc Conc.	Error	%Error
Blank		-5.9622	0.0000	0.0000	-	-
HIGH STD		9769.54	10000.0	10000.0	0.0000	0.0

Curve Type: Linear Equation: y = 1.0 x + -6.0

V 292.401 Calibration (ppb) 10/15/2014, 9:50:34 AM Correlation Coefficient: 1.000000

Label	Flags	Int. (c/s)	Std Conc.	Calc Conc.	Error	%Error
Blank		-7.1102	0.0000	0.0000	-	-
HIGH STD		259170	10000.0	10000.00	-0.0010	0.0

Curve Type: Linear Equation: y = 25.9 x + -7.1

Zn 206.200 Calibration (ppb) 10/15/2014, 9:50:34 AM Correlation Coefficient: 1.000000

Label	Flags	Int. (c/s)	Std Conc.	Calc Conc.	Error	%Error
Blank		1.2067	0.0000	0.0000	-	-
HIGH STD		4512.06	5000.00	5000.00	0.0000	0.0

Curve Type: Linear Equation: y = 0.9 x + 1.2

Lab Control Sample (LCS) 10/15/2014, 9:54:49 AM Rack S, Tube 2

Weight: 1 Volume: 1 Dilution: 1

Label	Replicates Concentration		
Ag 328.068	981.940	989.687	981.873
Al 308.215	9828.93	9865.06	9829.25
As 188.980	983.738	981.646	998.082
B 249.678	994.297	1002.49	999.335
Ba 389.178	9794.89	9842.92	9818.77
Be 313.042	975.380	981.934	978.783
Ca 370.602	9814	9888	9825
Cd 226.502	982.229	986.953	981.766
Co 228.615	982.807	987.782	983.736
Cr 267.716	9798.82	9838.70	9785.84
Cu 324.754	9816.21	9749.88	9834.25
Fe 271.441	9785.70	9833.65	9776.30
K 766.491	19768.3	19867.6	19864.4
Mg 279.078	9826.71	9872.23	9828.74
Mn 257.610	9814.63	9897.66	9856.43
Mo 202.032	985.678	989.051	989.253
Na 330.237	15417.7	15502.1	15620.8
Ni 231.604	4911.57	4928.54	4928.96
Pb 220.353	982.103	987.716	983.017
Sb 206.834	1953.00	1974.14	1954.54
Se 196.026	9838.53	9882.00	9860.84
Sn 189.925	9827.69	9870.14	9773.29
Sr 216.596	4917.50	4940.57	4911.81
Ti 334.941	979.511	984.647	981.236
Tl 190.794	9860.32	9920.98	9868.54
V 292.401	9790.36	9834.53	9802.64
Zn 206.200	4901.54	4944.68	4899.64

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Ag 328.068	984.500	ppb	4.4921	0.5	76044.7	98.44997
Al 308.215	9841.08	ppb	20.7708	0.2	66542.6	98.41079

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
As 188.980	987.822	ppb	8.9467	0.9	527.342	98.78221
B 249.678	998.707	ppb	4.1321	0.4	15142.7	19.97414*
Ba 389.178	9818.86	ppb	24.0123	0.2	199130	98.18857
Be 313.042	978.699	ppb	3.2780	0.3	1593329	97.86987
Ca 370.602	9842	ppb	39.82	0.4	23290	98.42443
Cd 226.502	983.649	ppb	2.8706	0.3	36860.8	98.36491
Co 228.615	984.775	ppb	2.6456	0.3	10270.3	98.47750
Cr 267.716	9807.79	ppb	27.5495	0.3	486659	98.07787
Cu 324.754	9800.11	ppb	44.4278	0.5	687500	98.00112
Fe 271.441	9798.55	ppb	30.7560	0.3	14001.6	97.98550
K 766.491	19833.4	ppb	56.4382	0.3	848762	99.16707
Mg 279.078	9842.56	ppb	25.7161	0.3	23746.0	98.42564
Mn 257.610	9856.24	ppb	41.5145	0.4	2038331	98.56241
Mo 202.032	987.994	ppb	2.0080	0.2	6110.18	98.79941
Na 330.237	15513.5	ppb	102.041	0.7	638.300	103.42347
Ni 231.604	4923.02	ppb	9.9200	0.2	13631.4	98.46048
Pb 220.353	984.279	ppb	3.0116	0.3	1410.38	98.42786
Sb 206.834	1960.56	ppb	11.7829	0.6	2676.33	98.02797
Se 196.026	9860.46	ppb	21.7389	0.2	3801.12	98.60455
Sn 189.925	9823.71	ppb	48.5467	0.5	6453.57	98.23708
Sr 216.596	4923.29	ppb	15.2289	0.3	53675.3	98.46587
Ti 334.941	981.798	ppb	2.6137	0.3	272386	98.17981
Tl 190.794	9883.28	ppb	32.9064	0.3	9672.82	98.83280
V 292.401	9809.18	ppb	22.8013	0.2	253669	98.09177
Zn 206.200	4915.29	ppb	25.4743	0.5	4409.93	98.30576

Initial Calib Verif (ICV) **10/15/2014, 9:59:04 AM** **Rack S, Tube 3**

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

Label	Replicates Concentration		
Ag 328.068	971.007	979.757	972.398
Al 308.215	954.689	962.107	951.702
As 188.980	1007.50	1012.49	1010.98
B 249.678	973.136	982.762	974.742
Ba 389.178	986.912	995.159	986.943
Be 313.042	975.199	981.236	969.644
Ca 370.602	971.3	975.2	972.1
Cd 226.502	968.622	973.948	965.443
Co 228.615	1000.50	1010.97	1003.68
Cr 267.716	971.953	980.105	967.921
Cu 324.754	997.837	1004.63	991.720
Fe 271.441	960.487	963.316	953.306
K 766.491	9838.45	9911.93	9832.83
Mg 279.078	954.423	965.915	959.657
Mn 257.610	1008.16	1014.22	1003.11
Mo 202.032	993.047	997.143	990.052
Na 330.237	9461.58	9603.89	9401.62
Ni 231.604	980.405	988.857	969.761
Pb 220.353	978.337	982.297	970.746
Sb 206.834	969.086	969.703	964.551
Se 196.026	943.350	946.080	943.071
Sn 189.925	4848.84	4807.55	4779.60
Sr 216.596	4881.88	4915.05	4869.71
Ti 334.941	945.494	952.790	942.551

Label	Replicates Concentration		
Tl 190.794	957.780	966.377	953.987
V 292.401	1003.19	1008.99	999.488
Zn 206.200	977.190	980.098	976.490

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Ag 328.068	974.387	ppb	4.7022	0.5	75203.8	97.43874
Al 308.215	956.166	ppb	5.3576	0.6	6871.15	95.61659
As 188.980	1010.32	ppb	2.5582	0.3	539.382	101.03226
B 249.678	976.880	ppb	5.1572	0.5	14817.4	97.68800
Ba 389.178	989.671	ppb	4.7525	0.5	20029.2	98.96715
Be 313.042	975.360	ppb	5.7977	0.6	1587466	97.53596
Ca 370.602	972.8	ppb	2.069	0.2	2617	97.28498
Cd 226.502	969.337	ppb	4.2978	0.4	36293.2	96.93374
Co 228.615	1005.05	ppb	5.3708	0.5	10464.8	100.50484
Cr 267.716	973.326	ppb	6.2073	0.6	48317.2	97.33263
Cu 324.754	998.061	ppb	6.4558	0.6	70275.1	99.80611
Fe 271.441	959.036	ppb	5.1604	0.5	1476.08	95.90362
K 766.491	9861.07	ppb	44.1337	0.4	422164	98.61071
Mg 279.078	959.998	ppb	5.7538	0.6	2332.30	95.99982
Mn 257.610	1008.50	ppb	5.5599	0.6	208600	100.84986
Mo 202.032	993.414	ppb	3.5601	0.4	6152.82	99.34139
Na 330.237	9489.03	ppb	103.892	1.1	449.355	94.89031
Ni 231.604	979.674	ppb	9.5689	1.0	2706.94	97.96741
Pb 220.353	977.127	ppb	5.8700	0.6	1392.64	97.71267
Sb 206.834	967.780	ppb	2.8135	0.3	1273.02	96.77798
Se 196.026	944.167	ppb	1.6621	0.2	366.459	94.41670Q
Sn 189.925	4812.00	ppb	34.8338	0.7	3158.45	96.23995
Sr 216.596	4888.88	ppb	23.4646	0.5	53384.6	97.77757
Ti 334.941	946.945	ppb	5.2717	0.6	262699	94.69452
Tl 190.794	959.382	ppb	6.3482	0.7	933.402	95.93816
V 292.401	1003.89	ppb	4.7872	0.5	25826.3	100.38880
Zn 206.200	977.926	ppb	1.9135	0.2	880.909	97.79257

Initial Calib Blank (ICB) **10/15/2014, 10:03:19 AM** **Rack S, Tube 1**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Replicates Concentration		
Ag 328.068	0.0821	-0.0598u	0.2330
Al 308.215	4.4993	-6.4654u	6.2884
As 188.980	3.7090	2.8198	1.9440
B 249.678	22.2784	17.2137	18.9850
Ba 389.178	1.0719	0.6050	-0.1595u
Be 313.042	0.0799	0.0872	0.0672
Ca 370.602	5.447	0.8408	7.000
Cd 226.502	0.2336	0.0292	0.1252
Co 228.615	-0.3138u	0.2736	-0.1778u
Cr 267.716	0.3176	0.0539	0.2122
Cu 324.754	0.0661	-0.4332u	0.1674
Fe 271.441	-2.6409u	-3.5598u	-0.7174u
K 766.491	0.1814	-0.5650u	0.8336
Mg 279.078	-2.3203u	-3.3046u	-1.8608u
Mn 257.610	0.1837	0.1348	0.2014
Mo 202.032	3.0458	2.3516	2.3064
Na 330.237	-17.2306u	-102.907u	-123.006u

Label	Replicates Concentration		
Ni 231.604	0.1634	0.8346	-0.3267u
Pb 220.353	-0.8155u	0.7634	1.3358
Sb 206.834	4.1923	1.5925	2.1070
Se 196.026	-1.9106u	4.8889	1.1436
Sn 189.925	2.1754	3.7730	5.4223
Sr 216.596	0.3283	0.0576	0.1776
Ti 334.941	0.2183	0.2098	0.1920
Tl 190.794	3.9474	0.6938	1.5411
V 292.401	0.2791	0.2046	0.4635
Zn 206.200	-1.4959u	-0.6458u	-0.3568u

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Ag 328.068	0.0851	ppb	0.1464	172.0	-3.8828	0.08510
Al 308.215	1.4408	ppb	6.9051	479.3	404.058	1.44075
As 188.980	2.8243	ppb	0.8825	31.2	-0.8974	2.82426
B 249.678	19.4924	ppb	2.5702	13.2	330.260	19.49238
Ba 389.178	0.5058	ppb	0.6217	122.9	-40.5176	0.50577
Be 313.042	0.0781	ppb	0.0101	13.0	-190.222	0.07810
Ca 370.602	4.429	ppb	3.203	72.3	21.48	4.42918
Cd 226.502	0.1293	ppb	0.1022	79.0	18.0304	0.12935
Co 228.615	-0.0727	ppb	0.3075	423.1	2.3326	-0.07267
Cr 267.716	0.1946	ppb	0.1328	68.2	40.7800	0.19457
Cu 324.754	-0.0666	ppb	0.3216	483.1	245.318	-0.06656
Fe 271.441	-2.3061	ppb	1.4505	62.9	3.5805	-2.30605
K 766.491	0.1500	ppb	0.6999	466.6	331.499	0.15000
Mg 279.078	-2.4952	ppb	0.7376	29.6	12.8663	-2.49523
Mn 257.610	0.1733	ppb	0.0345	19.9	76.5128	0.17329
Mo 202.032	2.5679	ppb	0.4145	16.1	22.1668	2.56793
Na 330.237	-81.0481	ppb	56.1738	69.3	18.2093	-81.04814
Ni 231.604	0.2237	ppb	0.5830	260.6	-4.1572	0.22375
Pb 220.353	0.4279	ppb	1.1142	260.4	1.0431	0.42790
Sb 206.834	2.6306	ppb	1.3767	52.3	4.5524	2.63059
Se 196.026	1.3740	ppb	3.4056	247.9	3.2690	1.37395
Sn 189.925	3.7902	ppb	1.6236	42.8	-2.8808	3.79022
Sr 216.596	0.1878	ppb	0.1356	72.2	4.3994	0.18783
Ti 334.941	0.2067	ppb	0.0134	6.5	-4.5211	0.20668
Tl 190.794	2.0608	ppb	1.6879	81.9	-3.9543	2.06075
V 292.401	0.3157	ppb	0.1333	42.2	0.6782	0.31572
Zn 206.200	-0.8328	ppb	0.5922	71.1	0.4550	-0.83282

CRI (CRI) **10/15/2014, 10:07:35 AM** **Rack S, Tube 4**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Replicates Concentration		
Ag 328.068	10.2994	10.4643	10.3955
Al 308.215	207.165	204.641	203.278
As 188.980	26.4119	28.2195	27.6992
B 249.678	109.199	108.658	107.086
Ba 389.178	9.7634	10.2946	9.9313
Be 313.042	4.1841	4.1756	4.1450
Ca 370.602	505.2	505.5	500.2
Cd 226.502	5.1248	5.0383	5.1717
Co 228.615	10.3846	10.2878	10.2873
Cr 267.716	10.3672	10.5077	10.0974

Label	Replicates Concentration		
Cu 324.754	21.1363	21.4786	21.4862
Fe 271.441	47.2106	51.1418	50.3125
K 766.491	1077.19	1076.85	1069.82
Mg 279.078	506.783	506.826	501.358
Mn 257.610	10.9197	10.9088	10.8070
Mo 202.032	10.9771	11.0011	11.3705
Na 330.237	884.219	822.897	817.606
Ni 231.604	41.7501	42.1494	40.9369
Pb 220.353	8.5080	10.9852	10.0571
Sb 206.834	21.5928	24.8127	21.0992
Se 196.026	31.3928	26.7007	28.7925
Sn 189.925	51.1897	51.2503	54.9797
Sr 216.596	10.4412	10.5678	10.1259
Ti 334.941	10.3109	10.3419	10.1726
Tl 190.794	27.9020	24.9326	26.1614
V 292.401	10.1485	10.2654	10.3047
Zn 206.200	21.2343	21.8786	18.2707

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Ag 328.068	10.3864	ppb	0.0829	0.8	792.564	103.86391
Al 308.215	205.028	ppb	1.9725	1.0	1752.75	102.51400
As 188.980	27.4435	ppb	0.9305	3.4	12.3099	137.21765R
B 249.678	108.314	ppb	1.0977	1.0	1673.48	108.31433
Ba 389.178	9.9964	ppb	0.2715	2.7	152.694	99.96439
Be 313.042	4.1683	ppb	0.0205	0.5	6467.81	104.20629
Ca 370.602	503.6	ppb	2.961	0.6	1179	100.72871
Cd 226.502	5.1116	ppb	0.0677	1.3	204.690	102.23196
Co 228.615	10.3199	ppb	0.0560	0.5	110.562	103.19910
Cr 267.716	10.3241	ppb	0.2085	2.0	543.394	103.24097
Cu 324.754	21.3670	ppb	0.1998	0.9	1748.81	106.83495
Fe 271.441	49.5550	ppb	2.0722	4.2	77.8348	99.10995
K 766.491	1074.62	ppb	4.1626	0.4	46295.5	107.46230
Mg 279.078	504.989	ppb	3.1446	0.6	1245.54	100.99785
Mn 257.610	10.8785	ppb	0.0622	0.6	2294.12	108.78493
Mo 202.032	11.1163	ppb	0.2205	2.0	75.0544	111.16254
Na 330.237	841.574	ppb	37.0261	4.4	61.7368	84.15739
Ni 231.604	41.6121	ppb	0.6179	1.5	110.477	104.03034
Pb 220.353	9.8501	ppb	1.2516	12.7	14.4639	98.50104
Sb 206.834	22.5016	ppb	2.0166	9.0	30.7270	112.50790
Se 196.026	28.9620	ppb	2.3506	8.1	13.8933	144.80997R
Sn 189.925	52.4732	ppb	2.1709	4.1	29.1278	104.94647
Sr 216.596	10.3783	ppb	0.2276	2.2	114.862	103.78296
Ti 334.941	10.2751	ppb	0.0902	0.9	2790.08	102.75132
Tl 190.794	26.3320	ppb	1.4921	5.7	19.7870	105.32796
V 292.401	10.2395	ppb	0.0813	0.8	256.251	102.39533
Zn 206.200	20.4612	ppb	1.9242	9.4	19.6373	102.30590

CRI (CRI) **10/15/2014, 10:13:09 AM** **Rack S, Tube 4**

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

Label	Replicates Concentration		
Ag 328.068	10.2457	10.7184	10.4772
Al 308.215	204.992	203.359	202.393
As 188.980	23.1531	24.1118	19.9450

Label	Replicates Concentration		
B 249.678	104.521	103.859	104.333
Ba 389.178	11.3822	10.3619	9.6972
Be 313.042	4.1232	4.1239	4.0998
Ca 370.602	499.6	501.4	496.8
Cd 226.502	5.0909	5.0080	4.9431
Co 228.615	11.2290	10.1195	9.7291
Cr 267.716	10.3155	10.2321	10.1957
Cu 324.754	20.9964	21.2077	21.0203
Fe 271.441	55.6058	52.7595	50.1866
K 766.491	1065.82	1062.51	1061.94
Mg 279.078	503.973	506.209	498.106
Mn 257.610	10.8327	10.7793	10.7162
Mo 202.032	9.8031	9.9728	10.5562
Na 330.237	857.863	897.272	977.423
Ni 231.604	40.9679	41.1188	41.2914
Pb 220.353	11.5660	11.4095	10.5685
Sb 206.834	19.6097	21.3063	20.3837
Se 196.026	17.3057	19.8314	22.4748
Sn 189.925	51.4623	51.8920	48.4815
Sr 216.596	10.1052	9.9588	10.0795
Ti 334.941	10.2045	10.1951	10.1724
Tl 190.794	27.7917	23.0253	25.5392
V 292.401	10.1130	10.2379	10.3028
Zn 206.200	19.7927	20.5204	22.4940

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Ag 328.068	10.4804	ppb	0.2364	2.3	799.846	104.80431
Al 308.215	203.582	ppb	1.3135	0.6	1743.12	101.79076
As 188.980	22.4033	ppb	2.1823	9.7	9.6061	112.01641
B 249.678	104.237	ppb	0.3412	0.3	1611.80	104.23733
Ba 389.178	10.4804	ppb	0.8487	8.1	162.500	104.80399
Be 313.042	4.1157	ppb	0.0137	0.3	6382.33	102.89128
Ca 370.602	499.3	ppb	2.297	0.5	1169	99.85085
Cd 226.502	5.0140	ppb	0.0741	1.5	201.045	100.27972
Co 228.615	10.3592	ppb	0.7782	7.5	111.000	103.59176
Cr 267.716	10.2478	ppb	0.0614	0.6	539.609	102.47794
Cu 324.754	21.0748	ppb	0.1157	0.5	1728.27	105.37393
Fe 271.441	52.8506	ppb	2.7107	5.1	82.4946	105.70128
K 766.491	1063.42	ppb	2.0945	0.2	45816.3	106.34204
Mg 279.078	502.763	ppb	4.1847	0.8	1240.13	100.55254
Mn 257.610	10.7761	ppb	0.0583	0.5	2272.92	107.76076
Mo 202.032	10.1107	ppb	0.3951	3.9	68.8315	101.10692
Na 330.237	910.853	ppb	60.9260	6.7	65.0506	91.08530
Ni 231.604	41.1261	ppb	0.1619	0.4	109.130	102.81516
Pb 220.353	11.1813	ppb	0.5364	4.8	16.3633	111.81300
Sb 206.834	20.4332	ppb	0.8494	4.2	28.0180	102.16614
Se 196.026	19.8706	ppb	2.5848	13.0	10.3930	99.35322
Sn 189.925	50.6119	ppb	1.8575	3.7	27.9040	101.22385
Sr 216.596	10.0478	ppb	0.0782	0.8	111.281	100.47833
Ti 334.941	10.1907	ppb	0.0165	0.2	2766.63	101.90661
Tl 190.794	25.4521	ppb	2.3844	9.4	18.9306	101.80825
V 292.401	10.2179	ppb	0.0965	0.9	255.878	102.17920
Zn 206.200	20.9357	ppb	1.3977	6.7	20.0656	104.67856

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Interf Check A (ICSA) **10/15/2014, 10:17:26 AM** **Rack S, Tube 5**

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

Label	Replicates Concentration		
Ag 328.068	0.3602u	-0.0698u	0.7737
Al 308.215	538990	538691	538468
As 188.980	12.4274	-8.4974u	-1.1977
B 249.678	8.9959u	9.1152u	8.2338u
Ba 389.178	7.0892	6.8929	7.0667
Be 313.042	-0.1312u	-0.1254u	-0.1329u
Ca 370.602	496714	499741	496689
Cd 226.502	2.3163	2.4621	2.3256
Co 228.615	-2.2903u	-1.6990u	-0.6288
Cr 267.716	0.6682	0.1978	0.2661
Cu 324.754	2.8007	2.2810	2.1819
Fe 271.441	186451	186902	186597
K 766.491	11.0857	11.6183	11.5177
Mg 279.078	508040	510489	511056
Mn 257.610	2.9847	3.0827	2.9323
Mo 202.032	1.5613	2.0443	0.9992u
Na 330.237	-294.392u	-248.734u	-83.5579u
Ni 231.604	0.8890	1.9833	-0.6669
Pb 220.353	-4.2644u	-7.7739u	-8.5258u
Sb 206.834	-3.7691	6.6050	-0.5796
Se 196.026	14.7905	7.1810	4.8997
Sn 189.925	-5.1908u	-4.8408u	0.5594
Sr 216.596	7.5045	8.3278	8.1055
Ti 334.941	1.0116	1.0251	0.9801
Tl 190.794	-16.0850u	-14.3297u	-12.4404u
V 292.401	-0.9746	-0.9760	-0.1392
Zn 206.200	9.8427	6.1045u	5.9172u

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Ag 328.068	0.3547	ppb	0.4217	118.9	-19.1586	0.35470
Al 308.215	538716	ppb	261.917	0.0	3565565	-
As 188.980	0.9108	ppb	10.6205	1166.1	1.6458	0.91079
B 249.678	8.7816	ppb	0.4782	5.4	-223.283	8.78162
Ba 389.178	7.0163	ppb	0.1074	1.5	830.583	7.01625
Be 313.042	-0.1299	ppb	0.0039	3.0	-353.903	-0.12985
Ca 370.602	497715	ppb	1754	0.4	1148748	-
Cd 226.502	2.3680	ppb	0.0816	3.4	775.019	2.36798
Co 228.615	-1.5393	ppb	0.8422	54.7	-1.3241	-1.53935
Cr 267.716	0.3774	ppb	0.2541	67.3	137.136	0.37737
Cu 324.754	2.4212	ppb	0.3324	13.7	496.954	2.42122
Fe 271.441	186650	ppb	230.396	0.1	262858	-
K 766.491	11.4072	ppb	0.2830	2.5	813.062	11.40721
Mg 279.078	509862	ppb	1603.00	0.3	1238548	-
Mn 257.610	2.9999	ppb	0.0763	2.5	4916.47	2.99988
Mo 202.032	1.5349	ppb	0.5231	34.1	7.8138	1.53493
Na 330.237	-208.895	ppb	110.919	53.1	-32.0361	-208.89462
Ni 231.604	0.7352	ppb	1.3318	181.2	11.7150	0.73515
Pb 220.353	-6.8547	ppb	2.2745	33.2	-27.4066	-6.85473
Sb 206.834	0.7521	ppb	5.3137	706.5	7.7011	0.75213
Se 196.026	8.9571	ppb	5.1791	57.8	7.6076	8.95707
Sn 189.925	-3.1574	ppb	3.2236	102.1	-7.4491	-3.15740
Sr 216.596	7.9793	ppb	0.4259	5.3	459.162	7.97926

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Ti 334.941	1.0056	ppb	0.0231	2.3	1119.69	1.00561
Tl 190.794	-14.2850	ppb	1.8227	12.8	-42.3527	-14.28504
V 292.401	-0.6966	ppb	0.4827	69.3	43.6944	-0.69661
Zn 206.200	7.2881	ppb	2.2143	30.4	0.6510	7.28815

Interf Check AB (ICSAB) **10/15/2014, 10:21:43 AM** **Rack S, Tube 6**

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

Label	Replicates Concentration		
Ag 328.068	224.352	227.011	228.419
Al 308.215	550934	551788	551960
As 188.980	102.631	117.824	110.557
B 249.678	7.3311u	6.1814u	6.3730u
Ba 389.178	515.444	515.517	516.503
Be 313.042	488.387	489.918	489.195
Ca 370.602	512809	507759	507951
Cd 226.502	941.831	943.361	940.705
Co 228.615	479.000	480.586	480.113
Cr 267.716	491.616	491.130	490.893
Cu 324.754	590.457	588.443	591.897
Fe 271.441	190934	191002	190867
K 766.491	6.9926	7.2835	7.6430
Mg 279.078	520110	520690	521486
Mn 257.610	517.134	516.623	516.838
Mo 202.032	988.479	990.771	991.741
Na 330.237	-82.3612u	-75.0679u	75.5647u
Ni 231.604	925.089	931.949	922.345
Pb 220.353	41.0347	41.8560	39.4826
Sb 206.834	637.396	647.223	637.061
Se 196.026	55.0600	48.0179	71.6646
Sn 189.925	976.107	990.057	979.551
Sr 216.596	9.4538	9.8062	8.8942
Ti 334.941	0.3465	0.3333	0.3644
Tl 190.794	80.5139	82.3676	86.4549
V 292.401	492.498	491.925	492.607
Zn 206.200	927.606	931.591	935.515

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Ag 328.068	226.594	ppb	2.0654	0.9	17480.9	113.29694
Al 308.215	551561	ppb	549.018	0.1	3650667	110.31211
As 188.980	110.337	ppb	7.5988	6.9	60.2069	110.33749
B 249.678	6.6285	ppb	0.6159	9.3	-256.694	-
Ba 389.178	515.821	ppb	0.5917	0.1	11171.0	103.16429
Be 313.042	489.166	ppb	0.7660	0.2	796108	97.83330
Ca 370.602	509506	ppb	2862	0.6	1175978	101.90125
Cd 226.502	941.966	ppb	1.3335	0.1	35954.2	94.19657
Co 228.615	479.900	ppb	0.8140	0.2	4989.53	95.97992
Cr 267.716	491.213	ppb	0.3687	0.1	24483.7	98.24258
Cu 324.754	590.265	ppb	1.7352	0.3	41759.5	118.05309
Fe 271.441	190934	ppb	67.2267	0.0	268948	95.46714
K 766.491	7.3064	ppb	0.3258	4.5	637.636	-
Mg 279.078	520762	ppb	690.831	0.1	1265017	104.15243
Mn 257.610	516.865	ppb	0.2568	0.0	111271	103.37301
Mo 202.032	990.330	ppb	1.6747	0.2	6126.15	99.03304

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Na 330.237	-27.2883	ppb	89.1478	326.7	-47.2398	-
Ni 231.604	926.461	ppb	4.9466	0.5	2575.41	92.64612
Pb 220.353	40.7911	ppb	1.2053	3.0	39.1996	81.58218
Sb 206.834	640.560	ppb	5.7727	0.9	840.831	106.75998
Se 196.026	58.2475	ppb	12.1414	20.8	26.7171	116.49503
Sn 189.925	981.905	ppb	7.2666	0.7	640.214	98.19049
Sr 216.596	9.3847	ppb	0.4599	4.9	449.587	-
Ti 334.941	0.3481	ppb	0.0156	4.5	956.467	-
Tl 190.794	83.1121	ppb	3.0397	3.7	51.5624	83.11214
V 292.401	492.343	ppb	0.3661	0.1	12645.5	98.46870
Zn 206.200	931.571	ppb	3.9542	0.4	833.080	93.15707

LRA1 (Samp) **10/15/2014, 10:26:00 AM** **Rack S, Tube 7**

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

Label	Replicates Concentration		
Ag 328.068	0.3952	0.3660	0.3705
Al 308.215	52.5158	52.2972	48.6613
As 188.980	19958.2x	20072.2x	20030.9x
B 249.678	4790.71	4811.94	4830.45
Ba 389.178	-0.4814u	-0.1169u	-0.3162u
Be 313.042	0.0994	0.1076	0.1070
Ca 370.602	914.0	888.6	863.4
Cd 226.502	-3.0827u	-3.2392u	-3.2272u
Co 228.615	9517.07	9556.38	9523.07
Cr 267.716	-1.2618	-1.4077	-1.2424
Cu 324.754	-4.2652u	-3.8366u	-4.0291u
Fe 271.441	-33.4918	-45.8695	-36.8060
K 766.491	1.4150	1.2475	1.7199
Mg 279.078	-6.0770u	-4.7705u	-13.2991u
Mn 257.610	26467.5	26800.4	26774.4
Mo 202.032	2.6932	2.1889	1.9176
Na 330.237	660.249u	667.876u	854.077u
Ni 231.604	9644.83x	9654.13x	9642.27x
Pb 220.353	19455.4x	19441.0x	19457.3x
Sb 206.834	5.3130	5.2901	5.5690
Se 196.026	7.8354	1.2192	-2.6310
Sn 189.925	-0.6472u	3.5755	0.5999
Sr 216.596	1.5643u	0.8773u	0.5335u
Ti 334.941	29159.2x	29013.5x	28999.0x
Tl 190.794	7.5679	7.9833	5.8086
V 292.401	-8.6767	-8.4321	-8.4046
Zn 206.200	4.7835	2.9273	2.3916

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	0.3772b	ppb	0.0157	4.2	145.381
Al 308.215	51.1581b	ppb	2.1651	4.2	672.207
As 188.980	20020.4xb	ppb	57.7280	0.3	10738.2
B 249.678	4811.03b	ppb	19.8864	0.4	72781.3
Ba 389.178	-0.3048b	ppb	0.1825	59.9	-56.8473
Be 313.042	0.1046b	ppb	0.0046	4.4	-160.372
Ca 370.602	888.7b	ppb	25.28	2.8	13000
Cd 226.502	-3.1830b	ppb	0.0871	2.7	-103.143
Co 228.615	9532.17b	ppb	21.1764	0.2	99855.2

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Cr 267.716	-1.3040b	ppb	0.0903	6.9	143.157
Cu 324.754	-4.0436b	ppb	0.2147	5.3	-33.7046
Fe 271.441	-38.7225b	ppb	6.4075	16.5	986.709
K 766.491	1.4608b	ppb	0.2395	16.4	387.572
Mg 279.078	-8.0488b	ppb	4.5935	57.1	-492.604
Mn 257.610	26680.8b	ppb	185.138	0.7	5517407
Mo 202.032	2.2666b	ppb	0.3936	17.4	20.2616
Na 330.237	727.401b	ppb	109.771	15.1	-1.4005
Ni 231.604	9647.08xb	ppb	6.2374	0.1	26698.1
Pb 220.353	19451.2xb	ppb	8.9169	0.0	27725.6
Sb 206.834	5.3907b	ppb	0.1548	2.9	8.2296
Se 196.026	2.1412b	ppb	5.2938	247.2	8.6989
Sn 189.925	1.1761b	ppb	2.1695	184.5	-4.6001
Sr 216.596	0.9917b	ppb	0.5248	52.9	-225.106
Ti 334.941	29057.2xb	ppb	88.6218	0.3	8062775
Tl 190.794	7.1199b	ppb	1.1545	16.2	39.4168
V 292.401	-8.5045b	ppb	0.1498	1.8	204.588
Zn 206.200	3.3675b	ppb	1.2552	37.3	4.2144

LRA2 (Samp) **10/15/2014, 10:30:19 AM** **Rack S, Tube 8**

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

Label	Replicates Concentration		
Ag 328.068	0.1522u	0.5571u	1.1885u
Al 308.215	857972	857244	854643
As 188.980	120.074	85.9399	65.0831
B 249.678	96.7232u	84.2333u	77.1564u
Ba 389.178	9.4592	11.4035	9.7363
Be 313.042	-0.2022u	-0.2004u	-0.2066u
Ca 370.602	782086	773343	770294
Cd 226.502	14.2300	14.6989	14.4486
Co 228.615	-15.6048u	-13.3418u	-15.9080u
Cr 267.716	-5.0637	-5.2606	-5.2266
Cu 324.754	2.2959	1.9845	2.1896
Fe 271.441	896699	896680	899493
K 766.491	19.7568	20.4473	20.5572
Mg 279.078	773021	772927	770911
Mn 257.610	6.2763	5.9459	6.0295
Mo 202.032	5.0994u	2.7147u	4.6036u
Na 330.237	33.1387u	-6.1372u	-166.982u
Ni 231.604	-17.8091	-17.7593	-16.7664
Pb 220.353	-17.2626u	-7.6094u	-18.4359u
Sb 206.834	16.8441	4.4282	6.4115
Se 196.026	-8.7425	1.9550	17.7384
Sn 189.925	7.8044	2.8354	4.0028
Sr 216.596	19.1881	19.7853	18.3184
Ti 334.941	5.2029	4.8240	4.3826
Tl 190.794	-56.3102u	-42.9669u	-46.8586u
V 292.401	-6.1824	-6.3169	-6.4217
Zn 206.200	8.3002u	21.4022u	17.2927u

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	0.6326	ppb	0.5222	82.6	-113.172
Al 308.215	856620	ppb	1750.07	0.2	5670420

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
As 188.980	90.3658	ppb	27.7615	30.7	48.5767
B 249.678	86.0376	ppb	9.9074	11.5	-547.164
Ba 389.178	10.1997	ppb	1.0517	10.3	1582.57
Be 313.042	-0.2031	ppb	0.0032	1.6	-399.276
Ca 370.602	775241	ppb	6121	0.8	1783360
Cd 226.502	14.4592	ppb	0.2346	1.6	3771.85
Co 228.615	-14.9515	ppb	1.4023	9.4	-97.1236
Cr 267.716	-5.1836	ppb	0.1052	2.0	176.044
Cu 324.754	2.1567	ppb	0.1583	7.3	772.719
Fe 271.441	897624	ppb	1618.84	0.2	1264090
K 766.491	20.2538	ppb	0.4339	2.1	1191.50
Mg 279.078	772286	ppb	1192.17	0.2	1876002
Mn 257.610	6.0839	ppb	0.1718	2.8	9496.77
Mo 202.032	4.1392	ppb	1.2583	30.4	-6.4032
Na 330.237	-46.6601	ppb	106.036	227.3	-191.827
Ni 231.604	-17.4449	ppb	0.5882	3.4	15.7841
Pb 220.353	-14.4360	ppb	5.9410	41.2	-85.1589
Sb 206.834	9.2279	ppb	6.6700	72.3	40.1333
Se 196.026	3.6503	ppb	13.3216	364.9	10.9588
Sn 189.925	4.8809	ppb	2.5983	53.2	-2.1653
Sr 216.596	19.0973	ppb	0.7376	3.9	1430.71
Ti 334.941	4.8032	ppb	0.4106	8.5	2709.43
Tl 190.794	-48.7119	ppb	6.8620	14.1	-161.523
V 292.401	-6.3070	ppb	0.1200	1.9	153.603
Zn 206.200	15.6650	ppb	6.7009	42.8	-18.9477

LRA3 (Samp) **10/15/2014, 10:34:38 AM** **Rack S, Tube 9**

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

Label	Replicates Concentration		
Ag 328.068	-0.1514u	0.1455	-0.1889u
Al 308.215	50.4856	44.7248	43.9903
As 188.980	20.3072	22.0734	18.4247
B 249.678	20.5716	18.9968	18.2953
Ba 389.178	-0.1311u	0.3088	0.2681
Be 313.042	0.0165	0.0196	0.0149
Ca 370.602	53.16	47.22	50.11
Cd 226.502	0.0779	-0.0726u	0.0303
Co 228.615	0.2799	-0.0067u	-0.2870u
Cr 267.716	0.0577	0.1172	0.1556
Cu 324.754	0.1531	0.0068	0.2429
Fe 271.441	51.0176	45.3133	48.9524
K 766.491	39952.7x	39684.9x	39762.3x
Mg 279.078	43.1980	38.1996	35.8507
Mn 257.610	0.4910	0.4601	0.4756
Mo 202.032	-0.4520u	0.1075	0.4784
Na 330.237	104667	103891	103156
Ni 231.604	0.7661	0.1025	0.0602
Pb 220.353	1.1491	2.5666	-1.5835u
Sb 206.834	1.0829	5.9543	2.1768
Se 196.026	5.4791	-3.8384u	8.2814
Sn 189.925	-2.7745u	2.4837	0.8856
Sr 216.596	-0.0025	0.3893	-0.1214u
Ti 334.941	0.8104	0.7878	0.7068

Label	Replicates Concentration		
Tl 190.794	-0.9473u	-1.1320u	1.3534
V 292.401	0.0642	0.2079	0.0049u
Zn 206.200	28479.1x	28362.7x	28314.3x

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.0650b	ppb	0.1832	282.1	-15.4906
Al 308.215	46.4002b	ppb	3.5571	7.7	701.490
As 188.980	20.2684b	ppb	1.8247	9.0	8.4618
B 249.678	19.2879b	ppb	1.1657	6.0	327.160
Ba 389.178	0.1486b	ppb	0.2431	163.6	-47.6939
Be 313.042	0.0170b	ppb	0.0024	14.1	-298.987
Ca 370.602	50.16b	ppb	2.969	5.9	126.9
Cd 226.502	0.0119b	ppb	0.0769	648.3	13.3007
Co 228.615	-0.0046b	ppb	0.2835	6205.4	3.1490
Cr 267.716	0.1102b	ppb	0.0493	44.7	37.8587
Cu 324.754	0.1343b	ppb	0.1192	88.8	259.328
Fe 271.441	48.4278b	ppb	2.8881	6.0	75.0229
K 766.491	39799.9xb	ppb	137.789	0.3	1702894
Mg 279.078	39.0828b	ppb	3.7525	9.6	113.859
Mn 257.610	0.4755b	ppb	0.0155	3.2	139.008
Mo 202.032	0.0446b	ppb	0.4684	1049.3	6.5497
Na 330.237	103904b	ppb	755.626	0.7	4284.04
Ni 231.604	0.3096b	ppb	0.3959	127.9	-3.8865
Pb 220.353	0.7108b	ppb	2.1095	296.8	1.4455
Sb 206.834	3.0713b	ppb	2.5559	83.2	5.1761
Se 196.026	3.3074b	ppb	6.3450	191.8	4.0139
Sn 189.925	0.1983b	ppb	2.6956	1359.6	-5.2158
Sr 216.596	0.0885b	ppb	0.2672	302.0	3.4272
Ti 334.941	0.7684b	ppb	0.0545	7.1	144.087
Tl 190.794	-0.2420b	ppb	1.3847	572.3	-6.2041
V 292.401	0.0923b	ppb	0.1044	113.0	-5.3726
Zn 206.200	28385.4xb	ppb	84.6998	0.3	25609.7

Cont Calib Verif (CCV) **10/15/2014, 10:38:54 AM** **Rack 1, Tube 1**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Replicates Concentration		
Ag 328.068	478.009	475.121	480.229
Al 308.215	4671.78	4716.29	4740.73
As 188.980	466.290	453.361	457.151
B 249.678	479.032	481.979	484.216
Ba 389.178	4760.59	4769.10	4786.00
Be 313.042	476.803	478.187	478.528
Ca 370.602	4792	4779	4800
Cd 226.502	478.666	478.799	481.330
Co 228.615	483.126	481.778	484.954
Cr 267.716	4766.73	4773.14	4784.05
Cu 324.754	4932.73	4933.85	4904.58
Fe 271.441	4772.59	4769.04	4788.25
K 766.491	9995.97	9993.40	10087.6
Mg 279.078	4748.06	4757.49	4757.99
Mn 257.610	4859.00	4870.18	4905.35
Mo 202.032	475.281	477.687	479.756
Na 330.237	7385.70	7412.08	7467.21

Label	Replicates Concentration		
Ni 231.604	2419.50	2424.41	2432.37
Pb 220.353	484.978	482.873	483.966
Sb 206.834	907.015	908.929	911.605
Se 196.026	4754.97	4736.13	4775.84
Sn 189.925	4779.73	4794.68	4818.90
Sr 216.596	2374.50	2377.21	2382.09
Ti 334.941	475.320	475.531	478.508
Tl 190.794	4867.96	4887.78	4895.44
V 292.401	4751.41	4748.57	4781.55
Zn 206.200	2387.48	2386.46	2386.23

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Ag 328.068	477.787	ppb	2.5613	0.5	36900.5	95.55733
Al 308.215	4709.60	ppb	34.9585	0.7	32057.2	94.19196
As 188.980	458.934	ppb	6.6465	1.4	243.703	91.78681
B 249.678	481.742	ppb	2.6000	0.5	7322.09	96.34843
Ba 389.178	4771.90	ppb	12.9322	0.3	96749.5	95.43790
Be 313.042	477.839	ppb	0.9135	0.2	777763	95.56783
Ca 370.602	4790	ppb	10.57	0.2	11341	95.80592
Cd 226.502	479.598	ppb	1.5009	0.3	17978.9	95.91968
Co 228.615	483.286	ppb	1.5940	0.3	5041.80	96.65725
Cr 267.716	4774.64	ppb	8.7582	0.2	236932	95.49283
Cu 324.754	4923.72	ppb	16.5830	0.3	345536	98.47443
Fe 271.441	4776.63	ppb	10.2198	0.2	6829.05	95.53256
K 766.491	10025.6	ppb	53.6424	0.5	429204	100.25649
Mg 279.078	4754.51	ppb	5.5947	0.1	11478.6	95.09024
Mn 257.610	4878.17	ppb	24.1891	0.5	1008856	97.56348
Mo 202.032	477.574	ppb	2.2398	0.5	2956.75	95.51488
Na 330.237	7421.66	ppb	41.5923	0.6	316.029	98.95552
Ni 231.604	2425.43	ppb	6.4912	0.3	6713.36	97.01707
Pb 220.353	483.939	ppb	1.0528	0.2	693.638	96.78773
Sb 206.834	909.183	ppb	2.3053	0.3	1243.75	90.91827
Se 196.026	4755.65	ppb	19.8607	0.4	1834.70	95.11291
Sn 189.925	4797.77	ppb	19.7633	0.4	3149.09	95.95544
Sr 216.596	2377.93	ppb	3.8467	0.2	25925.2	95.11729
Ti 334.941	476.453	ppb	1.7828	0.4	132153	95.29063
Tl 190.794	4883.72	ppb	14.1815	0.3	4776.60	97.67448
V 292.401	4760.51	ppb	18.2759	0.4	123105	95.21018
Zn 206.200	2386.73	ppb	0.6671	0.0	2141.95	95.46900

Cont Calib Blank (CCB) **10/15/2014, 10:43:09 AM** **Rack 1, Tube 2**

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

Label	Replicates Concentration		
Ag 328.068	0.2545	-0.0728u	0.2086
Al 308.215	6.9178	5.9634	7.2208
As 188.980	13.3386	4.0039	9.2905
B 249.678	13.4946	12.5614	11.5205
Ba 389.178	0.3297	0.9035	0.4358
Be 313.042	0.0362	0.0423	0.0495
Ca 370.602	2.821	3.244	1.227
Cd 226.502	-0.0058u	0.0167	-0.0592u
Co 228.615	0.1345	0.6418	-0.2575u
Cr 267.716	0.2840	0.3697	0.4056

Label	Replicates Concentration		
Cu 324.754	0.3357	0.1572	0.1768
Fe 271.441	3.8269	0.4826	1.0384
K 766.491	-0.6914u	-0.2158u	0.1836
Mg 279.078	1.3506	-2.4632u	1.7232
Mn 257.610	0.3746	0.4056	0.3996
Mo 202.032	1.1745	0.8032	0.6588
Na 330.237	-108.869u	-2.0613u	-159.575u
Ni 231.604	1.0675	0.9037	1.1181
Pb 220.353	2.0769	2.2233	1.1934
Sb 206.834	2.8956	4.2842	5.0234
Se 196.026	1.7022	7.3891	2.7569
Sn 189.925	2.6738	0.3055	0.6586
Sr 216.596	0.4187	0.0751	0.7041
Ti 334.941	0.2354	0.2318	0.2104
Tl 190.794	1.9166	-0.4302u	0.8724
V 292.401	0.5413	0.0201	0.4232
Zn 206.200	0.4966	-1.0922u	1.3163

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Ag 328.068	0.1301	ppb	0.1772	136.2	-0.3973	0.13010
Al 308.215	6.7007	ppb	0.6562	9.8	438.782	6.70069
As 188.980	8.8776	ppb	4.6810	52.7	2.3506	8.87763
B 249.678	12.5255	ppb	0.9876	7.9	224.924	12.52546
Ba 389.178	0.5564	ppb	0.3053	54.9	-39.4939	0.55635
Be 313.042	0.0427	ppb	0.0066	15.5	-247.699	0.04266
Ca 370.602	2.431	ppb	1.064	43.8	16.82	2.43058
Cd 226.502	-0.0161	ppb	0.0390	242.0	12.6063	-0.01612
Co 228.615	0.1729	ppb	0.4509	260.7	4.9364	0.17294
Cr 267.716	0.3531	ppb	0.0625	17.7	48.6541	0.35312
Cu 324.754	0.2232	ppb	0.0979	43.9	265.576	0.22321
Fe 271.441	1.7826	ppb	1.7920	100.5	9.3713	1.78264
K 766.491	-0.2412	ppb	0.4381	181.6	314.764	-0.24120
Mg 279.078	0.2035	ppb	2.3169	1138.3	19.4169	0.20355
Mn 257.610	0.3933	ppb	0.0164	4.2	122.033	0.39327
Mo 202.032	0.8788	ppb	0.2660	30.3	11.7135	0.87880
Na 330.237	-90.1686	ppb	80.4047	89.2	17.7409	-90.16856
Ni 231.604	1.0298	ppb	0.1121	10.9	-1.9246	1.02976
Pb 220.353	1.8312	ppb	0.5572	30.4	3.0459	1.83121
Sb 206.834	4.0678	ppb	1.0803	26.6	6.4762	4.06776
Se 196.026	3.9494	ppb	3.0252	76.6	4.2607	3.94943
Sn 189.925	1.2126	ppb	1.2777	105.4	-4.5755	1.21264
Sr 216.596	0.3993	ppb	0.3150	78.9	6.7238	0.39933
Ti 334.941	0.2259	ppb	0.0135	6.0	0.8008	0.22587
Tl 190.794	0.7862	ppb	1.1758	149.5	-5.1945	0.78624
V 292.401	0.3282	ppb	0.2733	83.3	1.2693	0.32819
Zn 206.200	0.2402	ppb	1.2246	509.7	1.4224	0.24024

mb 680-353387/1-a (Samp) **10/15/2014, 10:47:24 AM** **Rack 1, Tube 3**

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

Label	Replicates Concentration		
Ag 328.068	0.1466	-0.3823u	0.0758
Al 308.215	9.7302	7.1834	7.9225
As 188.980	3.3243	7.8960	5.1705

Label	Replicates Concentration		
B 249.678	6.9957	6.7990	6.0282
Ba 389.178	0.1200	-0.2153u	-0.3488u
Be 313.042	0.0227	0.0144	0.0136
Ca 370.602	10.44	-0.1483u	3.966
Cd 226.502	0.1159	0.0887	-0.0356u
Co 228.615	-0.0210u	-0.4936u	0.0722
Cr 267.716	0.2356	0.3604	0.5051
Cu 324.754	-0.1804u	-0.0991u	0.0256
Fe 271.441	4.0402	5.4152	8.9257
K 766.491	-0.9545u	-1.2798u	-1.2211u
Mg 279.078	-2.0054u	0.0077	-0.0969u
Mn 257.610	0.1954	0.1561	0.1999
Mo 202.032	0.9367	0.2928	0.2450
Na 330.237	-27.3321u	1.5573	-81.2813u
Ni 231.604	1.0419	0.9031	-0.9826u
Pb 220.353	0.6090	0.7813	2.8672
Sb 206.834	0.3925	1.4194	0.8287
Se 196.026	3.3693	10.5249	1.7766
Sn 189.925	7.1322	3.4412	3.0697
Sr 216.596	0.3656	0.4546	0.0186
Ti 334.941	0.1861	0.1609	0.1594
Tl 190.794	3.3367	2.0708	0.1922
V 292.401	0.1227	-0.2200u	0.1717
Zn 206.200	2.0087	3.5233	0.7241

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.0533	ppb	0.2871	538.9	-14.5867
Al 308.215	8.2787	ppb	1.3102	15.8	449.187
As 188.980	5.4636	ppb	2.2999	42.1	0.5191
B 249.678	6.6076	ppb	0.5114	7.7	135.380
Ba 389.178	-0.1481	ppb	0.2416	163.2	-53.7836
Be 313.042	0.0169	ppb	0.0050	29.8	-289.602
Ca 370.602	4.752	ppb	5.337	112.3	22.13
Cd 226.502	0.0563	ppb	0.0808	143.4	15.3308
Co 228.615	-0.1475	ppb	0.3034	205.7	1.6064
Cr 267.716	0.3670	ppb	0.1349	36.8	49.3459
Cu 324.754	-0.0847	ppb	0.1038	122.6	243.974
Fe 271.441	6.1270	ppb	2.5194	41.1	15.4316
K 766.491	-1.1518	ppb	0.1734	15.1	275.810
Mg 279.078	-0.6982	ppb	1.1333	162.3	17.2294
Mn 257.610	0.1838	ppb	0.0241	13.1	78.7065
Mo 202.032	0.4915	ppb	0.3863	78.6	9.3170
Na 330.237	-35.6854	ppb	42.0462	117.8	20.2876
Ni 231.604	0.3208	ppb	1.1309	352.5	-3.8871
Pb 220.353	1.4192	ppb	1.2570	88.6	2.4587
Sb 206.834	0.8802	ppb	0.5154	58.6	2.2825
Se 196.026	5.2236	ppb	4.6596	89.2	4.7513
Sn 189.925	4.5477	ppb	2.2460	49.4	-2.3828
Sr 216.596	0.2796	ppb	0.2304	82.4	5.4377
Ti 334.941	0.1688	ppb	0.0150	8.9	-15.0381
Tl 190.794	1.8666	ppb	1.5821	84.8	-4.1395
V 292.401	0.0248	ppb	0.2134	859.9	-6.5325
Zn 206.200	2.0854	ppb	1.4012	67.2	3.0868

lcs 680-353387/2-a (Samp) **10/15/2014, 10:51:39 AM** **Rack 1, Tube 4**

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

Label	Replicates Concentration		
Ag 328.068	48.9367	48.8247	49.0021
Al 308.215	4724.58	4730.72	4738.23
As 188.980	112.090	108.685	108.188
B 249.678	192.263	193.487	195.205
Ba 389.178	96.8599	95.9691	97.0833
Be 313.042	49.7755	49.7963	49.8599
Ca 370.602	4788	4777	4818
Cd 226.502	48.3861	48.4502	48.9698
Co 228.615	49.6007	49.2210	49.0267
Cr 267.716	98.3575	98.3770	98.3375
Cu 324.754	99.4372	100.227	100.506
Fe 271.441	4842.96	4856.33	4850.82
K 766.491	4947.35	4938.38	4927.48
Mg 279.078	4696.55	4699.93	4717.29
Mn 257.610	505.353	506.725	507.716
Mo 202.032	97.2835	97.9277	97.6701
Na 330.237	4775.89	4601.34	4615.79
Ni 231.604	96.7864	96.9450	98.5043
Pb 220.353	479.974	478.778	488.276
Sb 206.834	49.1840	48.4556	47.2359
Se 196.026	98.2044	107.233	90.8337
Sn 189.925	184.467	186.012	195.051
Sr 216.596	94.3387	95.0876	95.5324
Ti 334.941	98.7972	98.7403	98.9540
Tl 190.794	35.7432	36.2906	39.4819
V 292.401	98.0009	97.9609	98.4107
Zn 206.200	97.8748	97.2706	98.7084

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	48.9212	ppb	0.0897	0.2	3771.94
Al 308.215	4731.18	ppb	6.8366	0.1	31725.0
As 188.980	109.654	ppb	2.1238	1.9	56.4075
B 249.678	193.652	ppb	1.4779	0.8	2954.13
Ba 389.178	96.6374	ppb	0.5895	0.6	1918.17
Be 313.042	49.8106	ppb	0.0440	0.1	80766.0
Ca 370.602	4794	ppb	21.03	0.4	11093
Cd 226.502	48.6020	ppb	0.3201	0.7	1849.46
Co 228.615	49.2828	ppb	0.2920	0.6	516.352
Cr 267.716	98.3573	ppb	0.0198	0.0	4915.10
Cu 324.754	100.057	ppb	0.5542	0.6	7271.93
Fe 271.441	4850.03	ppb	6.7199	0.1	6843.20
K 766.491	4937.74	ppb	9.9481	0.2	211552
Mg 279.078	4704.59	ppb	11.1273	0.2	11437.8
Mn 257.610	506.598	ppb	1.1865	0.2	104849
Mo 202.032	97.6271	ppb	0.3242	0.3	610.122
Na 330.237	4664.34	ppb	96.8737	2.1	241.264
Ni 231.604	97.4119	ppb	0.9494	1.0	265.334
Pb 220.353	482.343	ppb	5.1734	1.1	687.862
Sb 206.834	48.2918	ppb	0.9843	2.0	64.4546
Se 196.026	98.7569	ppb	8.2134	8.3	40.8969
Sn 189.925	188.510	ppb	5.7173	3.0	118.571
Sr 216.596	94.9862	ppb	0.6033	0.6	1043.60

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ti 334.941	98.8305	ppb	0.1107	0.1	27370.1
Tl 190.794	37.1719	ppb	2.0192	5.4	29.9999
V 292.401	98.1242	ppb	0.2489	0.3	2519.49
Zn 206.200	97.9513	ppb	0.7220	0.7	89.1364

680-106149-b-1-a (Samp) **10/15/2014, 10:55:55 AM** **Rack 1, Tube 5**

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

Label	Replicates Concentration		
Ag 328.068	18.0775	18.1687	18.3628
Al 308.215	454.517	454.665	457.316
As 188.980	-1.6636u	9.8747	12.7812
B 249.678	1634.40	1645.53	1647.41
Ba 389.178	11.6037	10.7454	10.5223
Be 313.042	0.2019u	0.2029u	0.2063u
Ca 370.602	22503	22692	22766
Cd 226.502	58.9003	59.3175	59.1053
Co 228.615	1.6849	1.4959	2.6297
Cr 267.716	166.180	167.681	168.063
Cu 324.754	47.4621	47.5561	47.1431
Fe 271.441	371.045	362.703	367.767
K 766.491	28999.2	28869.1	28771.5
Mg 279.078	1318.35	1318.22	1325.35
Mn 257.610	6.0319	6.0196	5.9764
Mo 202.032	5.2706	4.5094	4.0995
Na 330.237	3447877x	3462922x	3488746x
Ni 231.604	58.4703	57.2159	58.6228
Pb 220.353	-0.3728u	-2.1138u	-2.9550u
Sb 206.834	1.5941	4.0772	7.1226
Se 196.026	18.8103	27.9870	16.5492
Sn 189.925	-2.5527u	1.4551	-1.9099u
Sr 216.596	79.8274	79.5319	78.6322
Ti 334.941	20.5045	20.6551	20.6161
Tl 190.794	-4.2518u	-4.1865u	-5.1755u
V 292.401	5.8487	5.9541	5.7512
Zn 206.200	12.1073	16.0302	16.9205

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	18.2030b	ppb	0.1457	0.8	1394.82
Al 308.215	455.499b	ppb	1.5753	0.3	3409.87
As 188.980	6.9974b	ppb	7.6402	109.2	1.3429
B 249.678	1642.44b	ppb	7.0318	0.4	24870.1
Ba 389.178	10.9571b	ppb	0.5709	5.2	173.326
Be 313.042	0.2037b	ppb	0.0023	1.1	-325.898
Ca 370.602	22654b	ppb	135.7	0.6	52383
Cd 226.502	59.1077b	ppb	0.2086	0.4	2207.17
Co 228.615	1.9368b	ppb	0.6074	31.4	23.9778
Cr 267.716	167.308b	ppb	0.9955	0.6	8396.56
Cu 324.754	47.3871b	ppb	0.2164	0.5	3573.72
Fe 271.441	367.172b	ppb	4.2026	1.1	524.444
K 766.491	28879.9b	ppb	114.260	0.4	1235756
Mg 279.078	1320.64b	ppb	4.0801	0.3	3227.18
Mn 257.610	6.0093b	ppb	0.0291	0.5	1277.45
Mo 202.032	4.6265b	ppb	0.5943	12.8	34.8858

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Na 330.237	3466515xb	ppb	20669.6	0.6	165743
Ni 231.604	58.1030b	ppb	0.7721	1.3	156.202
Pb 220.353	-1.8139b	ppb	1.3170	72.6	-2.0684
Sb 206.834	4.2646b	ppb	2.7690	64.9	8.4488
Se 196.026	21.1155b	ppb	6.0573	28.7	10.8737
Sn 189.925	-1.0025b	ppb	2.1525	214.7	-5.0607
Sr 216.596	79.3305b	ppb	0.6225	0.8	875.778
Ti 334.941	20.5919b	ppb	0.0781	0.4	5387.33
Tl 190.794	-4.5380b	ppb	0.5531	12.2	-10.4405
V 292.401	5.8513b	ppb	0.1015	1.7	111.254
Zn 206.200	15.0193b	ppb	2.5609	17.1	14.3094

680-106149-b-1-aSD (Samp) **10/15/2014, 11:00:11 AM** **Rack 1, Tube 6**

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

Label	Replicates Concentration		
Ag 328.068	3.3420	3.7190	3.7029
Al 308.215	102.449	101.383	99.5454
As 188.980	5.5789	3.1081	2.5560
B 249.678	366.932	362.397	356.386
Ba 389.178	1.7156	1.2544	2.1647
Be 313.042	0.0433	0.0414	0.0459
Ca 370.602	5050	4919	4894
Cd 226.502	13.2022	13.0590	12.7594
Co 228.615	0.0690	0.5024	0.2037
Cr 267.716	37.9603	37.2167	37.0193
Cu 324.754	10.4036	9.8425	9.6896
Fe 271.441	83.5795	85.4914	79.0724
K 766.491	4176.46	4130.45	4030.69
Mg 279.078	310.811	312.024	305.631
Mn 257.610	1.3304	1.2871	1.2838
Mo 202.032	0.7287	1.5638	0.5222
Na 330.237	693815x	679274x	664328x
Ni 231.604	12.5991	13.6175	14.4929
Pb 220.353	0.1379	0.0059	-2.2682u
Sb 206.834	4.2066	3.6724	1.4232
Se 196.026	19.7223	15.3896	5.6863
Sn 189.925	-1.0844u	-1.2774u	0.1200
Sr 216.596	17.4261	17.7446	17.7897
Ti 334.941	4.5411	4.5646	4.3595
Tl 190.794	1.6962	-1.1353u	-3.4073u
V 292.401	1.3003	1.5234	1.2736
Zn 206.200	4.1293	-0.0092u	1.2289

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	3.5879b	ppb	0.2132	5.9	266.471
Al 308.215	101.126b	ppb	1.4686	1.5	1063.85
As 188.980	3.7476b	ppb	1.6097	43.0	-0.4012
B 249.678	361.905b	ppb	5.2903	1.5	5507.68
Ba 389.178	1.7116b	ppb	0.4552	26.6	-15.6256
Be 313.042	0.0435b	ppb	0.0022	5.2	-312.818
Ca 370.602	4954b	ppb	83.94	1.7	11465
Cd 226.502	13.0069b	ppb	0.2260	1.7	496.470
Co 228.615	0.2584b	ppb	0.2218	85.9	5.9879

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Cr 267.716	37.3988b	ppb	0.4962	1.3	1899.35
Cu 324.754	9.9786b	ppb	0.3760	3.8	949.811
Fe 271.441	82.7144b	ppb	3.2958	4.0	123.382
K 766.491	4112.53b	ppb	74.5193	1.8	176252
Mg 279.078	309.489b	ppb	3.3953	1.1	770.779
Mn 257.610	1.3004b	ppb	0.0260	2.0	308.879
Mo 202.032	0.9382b	ppb	0.5515	58.8	12.0769
Na 330.237	679139xb	ppb	14744.3	2.2	32489.2
Ni 231.604	13.5698b	ppb	0.9478	7.0	32.8204
Pb 220.353	-0.7081b	ppb	1.3527	191.0	-0.5556
Sb 206.834	3.1007b	ppb	1.4771	47.6	5.5928
Se 196.026	13.5994b	ppb	7.1872	52.8	7.9769
Sn 189.925	-0.7473b	ppb	0.7572	101.3	-5.6733
Sr 216.596	17.6534b	ppb	0.1982	1.1	196.716
Ti 334.941	4.4884b	ppb	0.1122	2.5	1131.67
Tl 190.794	-0.9488b	ppb	2.5568	269.5	-6.9003
V 292.401	1.3658b	ppb	0.1371	10.0	21.5706
Zn 206.200	1.7830b	ppb	2.1241	119.1	2.7151

680-106149-b-1-aPDS (Samp) **10/15/2014, 11:04:27 AM** **Rack 1, Tube 7**

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

Label	Replicates Concentration		
Ag 328.068	127.073	125.864	127.048
Al 308.215	1583.07	1582.37	1587.94
As 188.980	122.220	123.425	116.716
B 249.678	1888.54	1883.78	1901.25
Ba 389.178	91.5250	90.9713	92.0428
Be 313.042	98.0932	97.0135	98.2449
Ca 370.602	32303	31900	32265
Cd 226.502	156.923	154.659	156.288
Co 228.615	97.1728	95.2846	96.6411
Cr 267.716	266.676	264.020	267.203
Cu 324.754	159.349	158.673	159.298
Fe 271.441	9849.80	9744.84	9851.69
K 766.491	52721.3x	52553.9x	52704.8x
Mg 279.078	10204.8	10120.1	10204.7
Mn 257.610	1016.03	1006.32	1015.95
Mo 202.032	101.112	101.110	101.112
Na 330.237	3547616x	3542720x	3555434x
Ni 231.604	152.605	150.580	150.215
Pb 220.353	94.5416	90.1423	89.2605
Sb 206.834	110.046	105.803	105.754
Se 196.026	145.855	155.133	152.725
Sn 189.925	95.8516	93.2131	95.3313
Sr 216.596	180.417	178.609	179.640
Ti 334.941	118.937	117.998	119.395
Tl 190.794	14.2774	10.3663	17.9229
V 292.401	104.999	103.882	104.768
Zn 206.200	116.833	113.674	114.279

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	126.662b	ppb	0.6911	0.5	9783.21
Al 308.215	1584.46b	ppb	3.0310	0.2	10910.9

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
As 188.980	120.787b	ppb	3.5762	3.0	62.3262
B 249.678	1891.19b	ppb	9.0310	0.5	28613.0
Ba 389.178	91.5130b	ppb	0.5359	0.6	1823.68
Be 313.042	97.7839b	ppb	0.6715	0.7	158518
Ca 370.602	32156b	ppb	222.7	0.7	74313
Cd 226.502	155.957b	ppb	1.1676	0.7	5865.11
Co 228.615	96.3662b	ppb	0.9737	1.0	1007.82
Cr 267.716	265.966b	ppb	1.7062	0.6	13300.7
Cu 324.754	159.107b	ppb	0.3765	0.2	11415.6
Fe 271.441	9815.44b	ppb	61.1517	0.6	13841.2
K 766.491	52660.0xb	ppb	92.2483	0.2	2253024
Mg 279.078	10176.5b	ppb	48.8876	0.5	24723.7
Mn 257.610	1012.77b	ppb	5.5856	0.6	209558
Mo 202.032	101.111b	ppb	0.0014	0.0	631.466
Na 330.237	3548590xb	ppb	6412.32	0.2	169662
Ni 231.604	151.134b	ppb	1.2872	0.9	414.427
Pb 220.353	91.3148b	ppb	2.8290	3.1	130.209
Sb 206.834	107.201b	ppb	2.4641	2.3	143.993
Se 196.026	151.237b	ppb	4.8147	3.2	61.2376
Sn 189.925	94.7987b	ppb	1.3976	1.5	57.9508
Sr 216.596	179.556b	ppb	0.9069	0.5	1980.87
Ti 334.941	118.777b	ppb	0.7118	0.6	32641.3
Tl 190.794	14.1889b	ppb	3.7791	26.6	7.2916
V 292.401	104.550b	ppb	0.5895	0.6	2653.99
Zn 206.200	114.929b	ppb	1.6771	1.5	103.827

680-106149-b-1-b ms (Samp) **10/15/2014, 11:08:43 AM** **Rack 1, Tube 8**

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

Label	Replicates Concentration		
Ag 328.068	74.5696	76.0753	75.4482
Al 308.215	5941.60	5990.64	5958.97
As 188.980	123.317	126.438	127.387
B 249.678	1780.59	1810.73	1810.02
Ba 389.178	103.810	105.978	105.105
Be 313.042	48.7512	49.9535	49.5683
Ca 370.602	26106	26723	26438
Cd 226.502	101.895	105.078	105.514
Co 228.615	48.3315	48.8210	48.8811
Cr 267.716	250.292	256.305	253.758
Cu 324.754	152.321	151.959	151.835
Fe 271.441	4938.62	5044.90	5003.32
K 766.491	38243.5	38466.3	38333.7
Mg 279.078	5534.48	5636.37	5596.14
Mn 257.610	495.903	506.321	500.930
Mo 202.032	97.3975	99.1496	99.1243
Na 330.237	3380174x	3373262x	3343894x
Ni 231.604	143.093	148.787	148.720
Pb 220.353	451.801	463.352	458.743
Sb 206.834	56.9354	56.6203	56.2137
Se 196.026	148.095	144.006	135.219
Sn 189.925	174.925	177.887	184.921
Sr 216.596	168.257	173.759	173.750
Ti 334.941	114.209	116.160	115.238

Label	Replicates Concentration		
Tl 190.794	25.8628	28.9054	26.9922
V 292.401	101.796	103.723	102.384
Zn 206.200	109.743	112.672	110.662

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	75.3644b	ppb	0.7563	1.0	5814.56
Al 308.215	5963.74b	ppb	24.8650	0.4	39881.9
As 188.980	125.714b	ppb	2.1296	1.7	65.0325
B 249.678	1800.45b	ppb	17.2017	1.0	27250.3
Ba 389.178	104.964b	ppb	1.0906	1.0	2088.25
Be 313.042	49.4243b	ppb	0.6140	1.2	79807.0
Ca 370.602	26422b	ppb	308.4	1.2	61094
Cd 226.502	104.162b	ppb	1.9756	1.9	3910.47
Co 228.615	48.6778b	ppb	0.3015	0.6	510.678
Cr 267.716	253.451b	ppb	3.0183	1.2	12672.5
Cu 324.754	152.039b	ppb	0.2526	0.2	10917.8
Fe 271.441	4995.61b	ppb	53.5531	1.1	7048.46
K 766.491	38347.8b	ppb	112.088	0.3	1640775
Mg 279.078	5589.00b	ppb	51.3157	0.9	13586.2
Mn 257.610	501.052b	ppb	5.2100	1.0	103693
Mo 202.032	98.5571b	ppb	1.0044	1.0	615.867
Na 330.237	3365777xb	ppb	19263.7	0.6	160924
Ni 231.604	146.867b	ppb	3.2679	2.2	402.345
Pb 220.353	457.965b	ppb	5.8143	1.3	653.183
Sb 206.834	56.5898b	ppb	0.3619	0.6	77.0193
Se 196.026	142.440b	ppb	6.5794	4.6	57.7155
Sn 189.925	179.245b	ppb	5.1346	2.9	113.422
Sr 216.596	171.922b	ppb	3.1740	1.8	1890.52
Ti 334.941	115.202b	ppb	0.9763	0.8	31655.4
Tl 190.794	27.2535b	ppb	1.5380	5.6	20.2844
V 292.401	102.634b	ppb	0.9873	1.0	2604.73
Zn 206.200	111.026b	ppb	1.4978	1.3	100.522

680-106149-b-1-c msd (Samp) **10/15/2014, 11:13:01 AM** **Rack 1, Tube 9**

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

Label	Replicates Concentration		
Ag 328.068	75.9414	75.8289	75.1703
Al 308.215	6074.82	6054.68	6040.35
As 188.980	129.976	126.621	121.296
B 249.678	1839.90	1844.68	1832.98
Ba 389.178	105.969	107.071	106.448
Be 313.042	50.1493	50.3329	49.8719
Ca 370.602	26540	26653	26324
Cd 226.502	105.022	105.982	104.226
Co 228.615	48.7109	49.6111	48.6068
Cr 267.716	254.168	255.752	252.906
Cu 324.754	157.483	156.192	156.110
Fe 271.441	5056.91	5071.23	5025.25
K 766.491	40231.7	40262.5	40119.0
Mg 279.078	5645.69	5653.02	5598.94
Mn 257.610	503.611	506.060	500.400
Mo 202.032	100.327	100.722	100.880
Na 330.237	3396093x	3419504x	3404112x

Label	Replicates Concentration		
Ni 231.604	148.223	149.774	147.027
Pb 220.353	456.614	462.803	452.901
Sb 206.834	57.3059	59.9946	55.3775
Se 196.026	148.291	141.801	136.001
Sn 189.925	182.191	183.105	181.661
Sr 216.596	173.241	173.560	170.392
Ti 334.941	116.503	116.775	115.974
Tl 190.794	31.1049	30.8792	30.8369
V 292.401	103.180	103.420	103.174
Zn 206.200	109.840	115.748	108.648

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	75.6469b	ppb	0.4165	0.6	5836.43
Al 308.215	6056.62b	ppb	17.3169	0.3	40496.8
As 188.980	125.964b	ppb	4.3771	3.5	65.1669
B 249.678	1839.19b	ppb	5.8840	0.3	27835.9
Ba 389.178	106.496b	ppb	0.5525	0.5	2119.42
Be 313.042	50.1180b	ppb	0.2321	0.5	80931.9
Ca 370.602	26506b	ppb	167.0	0.6	61287
Cd 226.502	105.077b	ppb	0.8794	0.8	3944.67
Co 228.615	48.9763b	ppb	0.5522	1.1	513.766
Cr 267.716	254.275b	ppb	1.4258	0.6	12714.1
Cu 324.754	156.595b	ppb	0.7700	0.5	11237.5
Fe 271.441	5051.13b	ppb	23.5275	0.5	7126.67
K 766.491	40204.4b	ppb	75.5443	0.2	1720196
Mg 279.078	5632.55b	ppb	29.3366	0.5	13691.9
Mn 257.610	503.357b	ppb	2.8389	0.6	104170
Mo 202.032	100.643b	ppb	0.2847	0.3	628.772
Na 330.237	3406569xb	ppb	11897.6	0.3	162874
Ni 231.604	148.342b	ppb	1.3773	0.9	406.435
Pb 220.353	457.439b	ppb	5.0023	1.1	652.426
Sb 206.834	57.5593b	ppb	2.3190	4.0	78.2766
Se 196.026	142.031b	ppb	6.1483	4.3	57.5589
Sn 189.925	182.319b	ppb	0.7301	0.4	115.455
Sr 216.596	172.398b	ppb	1.7441	1.0	1895.73
Ti 334.941	116.417b	ppb	0.4070	0.3	31989.5
Tl 190.794	30.9404b	ppb	0.1441	0.5	23.8778
V 292.401	103.258b	ppb	0.1401	0.1	2620.33
Zn 206.200	111.412b	ppb	3.8021	3.4	100.867

680-106174-e-1-a (Samp) **10/15/2014, 11:17:18 AM** **Rack 1, Tube 10**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Replicates Concentration		
Ag 328.068	-0.2055u	0.3436	0.1731
Al 308.215	2063.34	2079.09	2074.83
As 188.980	4.2076	3.4407	4.4440
B 249.678	33.1997	30.3541	27.0358
Ba 389.178	16.5045	16.8791	16.2271
Be 313.042	0.2363	0.2408	0.2372
Ca 370.602	4988	5031	5005
Cd 226.502	-0.2335	-0.2816	-0.1829
Co 228.615	2.7157	3.7510	3.0317
Cr 267.716	5.1512	5.3760	5.1724

Label	Replicates Concentration		
Cu 324.754	4.0842	4.2445	3.9459
Fe 271.441	9424.95	9461.85	9436.71
K 766.491	1849.05	1845.68	1847.45
Mg 279.078	7630.18	7675.13	7660.10
Mn 257.610	349.342	351.193	350.480
Mo 202.032	1.9911	1.3292	2.0087
Na 330.237	3351.53	3332.97	3402.92
Ni 231.604	2.7004	2.6679	4.3563
Pb 220.353	2.1689	4.0720	2.6004
Sb 206.834	0.3962	1.7497	0.1230
Se 196.026	4.7033	5.2631	13.9881
Sn 189.925	3.2649	0.8109	2.2802
Sr 216.596	30.3821	30.5865	30.8097
Ti 334.941	98.6590	99.4159	99.1350
Tl 190.794	-1.4449u	-0.8051u	3.5843
V 292.401	5.8667	6.2030	6.1887
Zn 206.200	9.7571	8.4187	8.8385

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	0.1038	ppb	0.2811	270.9	-3.3159
Al 308.215	2072.42	ppb	8.1453	0.4	14124.6
As 188.980	4.0308	ppb	0.5245	13.0	-0.2821
B 249.678	30.1965	ppb	3.0850	10.2	472.305
Ba 389.178	16.5369	ppb	0.3272	2.0	299.042
Be 313.042	0.2381	ppb	0.0024	1.0	71.3081
Ca 370.602	5008	ppb	21.56	0.4	11538
Cd 226.502	-0.2327	ppb	0.0494	21.2	38.2731
Co 228.615	3.1662	ppb	0.5306	16.8	38.5875
Cr 267.716	5.2332	ppb	0.1241	2.4	296.728
Cu 324.754	4.0915	ppb	0.1495	3.7	540.740
Fe 271.441	9441.17	ppb	18.8453	0.2	13302.8
K 766.491	1847.39	ppb	1.6830	0.1	79353.1
Mg 279.078	7655.13	ppb	22.8809	0.3	18610.0
Mn 257.610	350.339	ppb	0.9336	0.3	72570.6
Mo 202.032	1.7763	ppb	0.3873	21.8	16.8597
Na 330.237	3362.47	ppb	36.2399	1.1	180.172
Ni 231.604	3.2415	ppb	0.9656	29.8	4.9164
Pb 220.353	2.9471	ppb	0.9978	33.9	4.0627
Sb 206.834	0.7563	ppb	0.8711	115.2	2.4327
Se 196.026	7.9848	ppb	5.2065	65.2	5.9531
Sn 189.925	2.1187	ppb	1.2349	58.3	-3.9789
Sr 216.596	30.5928	ppb	0.2139	0.7	348.416
Ti 334.941	99.0700	ppb	0.3826	0.4	27442.0
Tl 190.794	0.4448	ppb	2.7377	615.5	-6.4888
V 292.401	6.0861	ppb	0.1902	3.1	155.050
Zn 206.200	9.0048	ppb	0.6845	7.6	8.9566

680-106174-e-2-a (Samp) **10/15/2014, 11:21:35 AM** **Rack 1, Tube 11**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Replicates Concentration		
Ag 328.068	-0.0544u	0.0190	0.1372
Al 308.215	1320.76	1320.85	1311.95
As 188.980	2.0249	1.8693	3.2865

Label	Replicates Concentration		
B 249.678	18.2624	17.5467	17.0225
Ba 389.178	46.5377	45.0812	45.2005
Be 313.042	0.0699	0.0654	0.0646
Ca 370.602	664.3	661.5	654.5
Cd 226.502	-0.0552	-0.1145	0.1322
Co 228.615	-0.0818u	-0.4463u	-0.1745u
Cr 267.716	2.0336	1.9712	1.9569
Cu 324.754	6.8830	6.8184	6.9718
Fe 271.441	1673.78	1692.35	1662.86
K 766.491	928.470	929.069	939.262
Mg 279.078	324.085	324.973	321.091
Mn 257.610	8.0994	8.0848	7.9977
Mo 202.032	0.1089	0.2796	0.4869
Na 330.237	698.877	672.206	565.399
Ni 231.604	3.0553	0.6426	0.2700
Pb 220.353	0.1149	2.0012	0.9559
Sb 206.834	0.4280	2.3879	-0.3636u
Se 196.026	15.7881	12.4217	3.3396
Sn 189.925	0.6087	2.0225	1.6289
Sr 216.596	5.9308	6.1313	5.9040
Ti 334.941	24.0306	24.5784	24.1816
Tl 190.794	-3.0794u	-0.8863u	-3.3103u
V 292.401	7.0172	7.2438	7.1065
Zn 206.200	7.8127	4.9085	8.5930

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	0.0339	ppb	0.0967	285.1	-8.2274
Al 308.215	1317.85	ppb	5.1130	0.4	9118.53
As 188.980	2.3936	ppb	0.7772	32.5	-1.1256
B 249.678	17.6105	ppb	0.6224	3.5	298.272
Ba 389.178	45.6065	ppb	0.8087	1.8	875.439
Be 313.042	0.0666	ppb	0.0028	4.3	-208.162
Ca 370.602	660.1	ppb	5.008	0.8	1530
Cd 226.502	-0.0125	ppb	0.1288	1030.4	18.7157
Co 228.615	-0.2342	ppb	0.1894	80.9	1.2806
Cr 267.716	1.9872	ppb	0.0408	2.1	130.513
Cu 324.754	6.8911	ppb	0.0770	1.1	733.807
Fe 271.441	1676.33	ppb	14.9122	0.9	2367.57
K 766.491	932.267	ppb	6.0654	0.7	40205.8
Mg 279.078	323.383	ppb	2.0340	0.6	803.997
Mn 257.610	8.0607	ppb	0.0550	0.7	1714.71
Mo 202.032	0.2918	ppb	0.1893	64.9	8.0028
Na 330.237	645.494	ppb	70.6345	10.9	52.2858
Ni 231.604	1.3226	ppb	1.5121	114.3	-0.9843
Pb 220.353	1.0240	ppb	0.9450	92.3	1.7699
Sb 206.834	0.8175	ppb	1.4165	173.3	2.2705
Se 196.026	10.5164	ppb	6.4392	61.2	6.8033
Sn 189.925	1.4200	ppb	0.7297	51.4	-4.4390
Sr 216.596	5.9887	ppb	0.1242	2.1	69.8111
Ti 334.941	24.2635	ppb	0.2830	1.2	6671.55
Tl 190.794	-2.4253	ppb	1.3379	55.2	-8.5205
V 292.401	7.1225	ppb	0.1142	1.6	178.341
Zn 206.200	7.1048	ppb	1.9416	27.3	7.5472

680-106174-d-3-a (Samp) **10/15/2014, 11:25:53 AM** **Rack 1, Tube 12**

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

Label	Replicates Concentration		
Ag 328.068	0.1076	0.0855	-0.1048u
Al 308.215	964.375	956.435	961.078
As 188.980	4.4438	7.8935	4.6195
B 249.678	13.8705	13.7073	12.9355
Ba 389.178	26.4198	26.9861	26.7188
Be 313.042	0.1006	0.1020	0.1015
Ca 370.602	555.7	549.4	549.1
Cd 226.502	-0.0356u	-0.0364u	0.0034
Co 228.615	1.6530	0.4702	0.7412
Cr 267.716	1.4279	1.4385	1.4688
Cu 324.754	2.6952	2.6508	2.6687
Fe 271.441	275.449	276.828	278.450
K 766.491	726.696	722.855	729.277
Mg 279.078	405.767	405.801	404.008
Mn 257.610	8.9110	8.8396	8.8460
Mo 202.032	0.3648	0.3892	-0.1183u
Na 330.237	1250.65	1152.34	1104.29
Ni 231.604	0.5753	1.2234	1.1996
Pb 220.353	-0.4226u	-0.0192u	1.5594
Sb 206.834	1.4903	2.1055	2.9157
Se 196.026	4.7613	6.7959	8.6100
Sn 189.925	0.1293	1.8608	0.1429
Sr 216.596	6.1822	5.7408	5.4776
Ti 334.941	18.0780	16.8912	18.8411
Tl 190.794	1.3037	0.7013	1.5984
V 292.401	2.8752	3.2309	2.9550
Zn 206.200	3.0097	4.2434	4.0837

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	0.0294	ppb	0.1167	396.7	-8.3585
Al 308.215	960.629	ppb	3.9890	0.4	6751.92
As 188.980	5.6523	ppb	1.9430	34.4	0.6270
B 249.678	13.5044	ppb	0.4994	3.7	239.121
Ba 389.178	26.7082	ppb	0.2833	1.1	491.554
Be 313.042	0.1014	ppb	0.0007	0.7	-151.862
Ca 370.602	551.4	ppb	3.740	0.7	1290
Cd 226.502	-0.0229	ppb	0.0228	99.5	13.3469
Co 228.615	0.9548	ppb	0.6196	64.9	13.4571
Cr 267.716	1.4451	ppb	0.0212	1.5	103.037
Cu 324.754	2.6716	ppb	0.0223	0.8	437.350
Fe 271.441	276.909	ppb	1.5023	0.5	396.916
K 766.491	726.276	ppb	3.2314	0.4	31393.8
Mg 279.078	405.192	ppb	1.0256	0.3	1002.86
Mn 257.610	8.8655	ppb	0.0395	0.4	1877.76
Mo 202.032	0.2119	ppb	0.2863	135.1	7.5720
Na 330.237	1169.09	ppb	74.6023	6.4	77.7421
Ni 231.604	0.9994	ppb	0.3675	36.8	-1.9886
Pb 220.353	0.3726	ppb	1.0475	281.2	0.9319
Sb 206.834	2.1705	ppb	0.7149	32.9	4.0058
Se 196.026	6.7224	ppb	1.9254	28.6	5.3321
Sn 189.925	0.7110	ppb	0.9958	140.1	-4.9050
Sr 216.596	5.8002	ppb	0.3561	6.1	66.2154

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ti 334.941	17.9368	ppb	0.9826	5.5	4915.91
Tl 190.794	1.2011	ppb	0.4573	38.1	-4.8106
V 292.401	3.0204	ppb	0.1867	6.2	71.4522
Zn 206.200	3.7790	ppb	0.6710	17.8	4.6015

Cont Calib Verif (CCV) **10/15/2014, 11:30:09 AM** **Rack 1, Tube 13**

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

Label	Replicates Concentration		
Ag 328.068	486.246	489.821	487.724
Al 308.215	4801.66	4796.77	4796.88
As 188.980	452.715	451.159	448.412
B 249.678	479.792	482.315	483.207
Ba 389.178	4853.52	4851.74	4844.74
Be 313.042	486.530	485.764	484.590
Ca 370.602	4869	4893	4886
Cd 226.502	488.958	488.738	487.958
Co 228.615	492.969	493.606	494.621
Cr 267.716	4860.34	4865.22	4865.34
Cu 324.754	4956.10	4991.50	4937.80
Fe 271.441	4878.14	4890.41	4876.45
K 766.491	9972.52	9994.12	9979.43
Mg 279.078	4845.24	4836.85	4841.60
Mn 257.610	4981.04	4971.89	4982.79
Mo 202.032	487.082	487.161	491.160
Na 330.237	7583.35	7508.12	7465.33
Ni 231.604	2472.03	2476.37	2474.35
Pb 220.353	490.359	498.829	494.898
Sb 206.834	915.302	923.274	919.963
Se 196.026	4810.48	4820.22	4817.28
Sn 189.925	4901.76	4894.27	4918.42
Sr 216.596	2432.67	2431.10	2425.70
Ti 334.941	483.525	483.402	482.755
Tl 190.794	4949.91	4957.69	4943.56
V 292.401	4843.74	4857.77	4842.55
Zn 206.200	2440.46	2442.26	2432.46

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Ag 328.068	487.930	ppb	1.7964	0.4	37684.1	97.58608
Al 308.215	4798.44	ppb	2.7917	0.1	32654.2	95.96871
As 188.980	450.762	ppb	2.1788	0.5	239.316	90.15244
B 249.678	481.772	ppb	1.7712	0.4	7322.44	96.35432
Ba 389.178	4850.00	ppb	4.6436	0.1	98334.0	97.00003
Be 313.042	485.628	ppb	0.9769	0.2	790445	97.12560
Ca 370.602	4883	ppb	12.50	0.3	11559	97.65680
Cd 226.502	488.552	ppb	0.5256	0.1	18314.4	97.71030
Co 228.615	493.732	ppb	0.8329	0.2	5150.58	98.74635
Cr 267.716	4863.63	ppb	2.8509	0.1	241348	97.27267
Cu 324.754	4961.80	ppb	27.3013	0.6	348206	99.23597
Fe 271.441	4881.66	ppb	7.6173	0.2	6978.84	97.63329
K 766.491	9982.03	ppb	11.0320	0.1	427338	99.82027
Mg 279.078	4841.23	ppb	4.2084	0.1	11687.4	96.82455
Mn 257.610	4978.57	ppb	5.8508	0.1	1029618	99.57144
Mo 202.032	488.467	ppb	2.3320	0.5	3024.07	97.69348

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Na 330.237	7518.93	ppb	59.7469	0.8	319.392	100.25246
Ni 231.604	2474.25	ppb	2.1741	0.1	6848.60	98.97005
Pb 220.353	494.695	ppb	4.2384	0.9	709.033	98.93908
Sb 206.834	919.513	ppb	4.0049	0.4	1258.14	91.95131
Se 196.026	4815.99	ppb	4.9964	0.1	1857.96	96.31985
Sn 189.925	4904.82	ppb	12.3585	0.3	3219.47	98.09634
Sr 216.596	2429.82	ppb	3.6571	0.2	26490.9	97.19280
Ti 334.941	483.227	ppb	0.4138	0.1	134033	96.64544
Tl 190.794	4950.39	ppb	7.0791	0.1	4841.92	99.00772
V 292.401	4848.02	ppb	8.4668	0.2	125367	96.96045
Zn 206.200	2438.40	ppb	5.2185	0.2	2188.34	97.53584

Cont Calib Blank (CCB) **10/15/2014, 11:34:23 AM** **Rack 1, Tube 14**

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

Label	Replicates Concentration		
Ag 328.068	-0.0404u	-0.1679u	0.1779
Al 308.215	7.7369	10.4113	7.4750
As 188.980	6.2770	7.8550	1.7310
B 249.678	11.5929	10.5301	9.1130
Ba 389.178	0.9524	0.6494	0.6854
Be 313.042	0.0640	0.0722	0.0597
Ca 370.602	1.333	4.423	4.750
Cd 226.502	-0.1568u	-0.0398u	0.0536
Co 228.615	0.4880	0.1511	0.0610
Cr 267.716	0.6504	0.7198	0.6965
Cu 324.754	0.4512	0.5570	0.3940
Fe 271.441	2.2295	1.4059	7.3495
K 766.491	0.0471	0.5212	-0.0779u
Mg 279.078	1.3380	1.5481	1.5517
Mn 257.610	0.7060	0.7267	0.6809
Mo 202.032	1.2735	0.9508	0.7602
Na 330.237	46.5469	30.1759	17.2848
Ni 231.604	1.0127	0.5354	-0.0481u
Pb 220.353	2.7999	0.7452	1.5626
Sb 206.834	4.7921	2.8665	3.2228
Se 196.026	3.7005	8.1878	-2.8146u
Sn 189.925	0.9838	1.4375	4.1220
Sr 216.596	0.2608	0.5683	0.4301
Ti 334.941	0.2067	0.2260	0.1664
Tl 190.794	0.7766	-0.3665u	0.9609
V 292.401	0.6682	0.7787	0.8046
Zn 206.200	1.0703	-0.1026u	0.9326

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Ag 328.068	-0.0101	ppb	0.1749	1726.7	-11.2448	-0.01013
Al 308.215	8.5411	ppb	1.6249	19.0	451.021	8.54106
As 188.980	5.2877	ppb	3.1796	60.1	0.4246	5.28767
B 249.678	10.4120	ppb	1.2442	11.9	192.960	10.41200
Ba 389.178	0.7624	ppb	0.1655	21.7	-35.3130	0.76238
Be 313.042	0.0653	ppb	0.0064	9.7	-210.824	0.06531
Ca 370.602	3.502	ppb	1.885	53.8	19.28	3.50190
Cd 226.502	-0.0476	ppb	0.1054	221.3	11.4311	-0.04764
Co 228.615	0.2334	ppb	0.2251	96.4	5.5616	0.23336

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Cr 267.716	0.6889	ppb	0.0354	5.1	65.3135	0.68890
Cu 324.754	0.4674	ppb	0.0827	17.7	282.702	0.46739
Fe 271.441	3.6616	ppb	3.2202	87.9	12.0140	3.66163
K 766.491	0.1635	ppb	0.3161	193.3	332.077	0.16350
Mg 279.078	1.4792	ppb	0.1224	8.3	22.5099	1.47924
Mn 257.610	0.7046	ppb	0.0230	3.3	186.408	0.70456
Mo 202.032	0.9948	ppb	0.2595	26.1	12.4310	0.99483
Na 330.237	31.3359	ppb	14.6655	46.8	23.5253	31.33586
Ni 231.604	0.5000	ppb	0.5313	106.3	-3.3918	0.50003
Pb 220.353	1.7026	ppb	1.0345	60.8	2.8626	1.70260
Sb 206.834	3.6272	ppb	1.0245	28.2	5.8964	3.62715
Se 196.026	3.0246	ppb	5.5323	182.9	3.9047	3.02457
Sn 189.925	2.1811	ppb	1.6961	77.8	-3.9388	2.18109
Sr 216.596	0.4197	ppb	0.1540	36.7	6.9597	0.41974
Ti 334.941	0.1997	ppb	0.0304	15.2	-6.4647	0.19969
Tl 190.794	0.4570	ppb	0.7191	157.4	-5.5163	0.45698
V 292.401	0.7505	ppb	0.0725	9.7	12.1771	0.75053
Zn 206.200	0.6334	ppb	0.6411	101.2	1.7762	0.63339

680-106174-e-4-a (Samp) **10/15/2014, 11:38:38 AM** **Rack 1, Tube 15**

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

Label	Replicates Concentration		
Ag 328.068	-0.1197u	0.0690	-0.1905u
Al 308.215	413.848	415.195	417.252
As 188.980	2.9241	0.3711	4.5212
B 249.678	12.9395	12.8807	11.6433
Ba 389.178	17.3404	17.5491	17.3243
Be 313.042	0.0913	0.0931	0.0883
Ca 370.602	550.0	550.7	559.0
Cd 226.502	-0.1228u	-0.0459u	-0.1640u
Co 228.615	0.8440	0.8673	0.3763
Cr 267.716	0.7572	0.7406	0.6364
Cu 324.754	2.4100	2.1395	2.1892
Fe 271.441	115.477	113.673	112.030
K 766.491	703.796	699.194	701.251
Mg 279.078	399.575	395.850	400.595
Mn 257.610	7.0054	6.9915	7.1056
Mo 202.032	0.2962	0.4726	0.5970
Na 330.237	1343.43	1278.68	1363.18
Ni 231.604	0.2365	2.3530	1.7291
Pb 220.353	-0.8914u	-0.7831u	2.0473
Sb 206.834	3.7337	1.1011	2.4603
Se 196.026	3.7654	4.2488	5.4404
Sn 189.925	2.3697	-0.9751u	3.2167
Sr 216.596	5.5881	5.8702	5.3797
Ti 334.941	6.6938	7.1522	6.1441
Tl 190.794	1.1078	1.1722	-0.0297u
V 292.401	1.1917	1.4178	1.6280
Zn 206.200	2.5053	1.3209	3.3261

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.0804	ppb	0.1341	166.9	-16.8390
Al 308.215	415.432	ppb	1.7145	0.4	3143.75

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
As 188.980	2.6054	ppb	2.0933	80.3	-1.0113
B 249.678	12.4878	ppb	0.7320	5.9	224.096
Ba 389.178	17.4046	ppb	0.1254	0.7	302.772
Be 313.042	0.0909	ppb	0.0024	2.6	-168.958
Ca 370.602	553.2	ppb	5.006	0.9	1291
Cd 226.502	-0.1109	ppb	0.0599	54.0	9.4598
Co 228.615	0.6959	ppb	0.2770	39.8	10.5304
Cr 267.716	0.7114	ppb	0.0655	9.2	66.5419
Cu 324.754	2.2463	ppb	0.1440	6.4	407.474
Fe 271.441	113.727	ppb	1.7237	1.5	167.090
K 766.491	701.414	ppb	2.3054	0.3	30330.3
Mg 279.078	398.674	ppb	2.4982	0.6	987.241
Mn 257.610	7.0342	ppb	0.0623	0.9	1498.54
Mo 202.032	0.4553	ppb	0.1512	33.2	9.0867
Na 330.237	1328.43	ppb	44.1993	3.3	85.4335
Ni 231.604	1.4395	ppb	1.0876	75.6	-0.7820
Pb 220.353	0.1243	ppb	1.6663	1340.7	0.5990
Sb 206.834	2.4317	ppb	1.3165	54.1	4.3367
Se 196.026	4.4849	ppb	0.8621	19.2	4.4690
Sn 189.925	1.5371	ppb	2.2164	144.2	-4.3618
Sr 216.596	5.6127	ppb	0.2462	4.4	63.9952
Ti 334.941	6.6634	ppb	0.5047	7.6	1787.69
Tl 190.794	0.7501	ppb	0.6761	90.1	-5.2353
V 292.401	1.4125	ppb	0.2182	15.4	29.5736
Zn 206.200	2.3841	ppb	1.0081	42.3	3.3512

680-106174-e-5-a (Samp) **10/15/2014, 11:42:53 AM** **Rack 1, Tube 16**

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

Label	Replicates Concentration		
Ag 328.068	0.0136	0.1459	0.0207
Al 308.215	10.4741	8.7887	10.7228
As 188.980	5.6370	5.1036	4.1244
B 249.678	3.9039	3.8232	3.8682
Ba 389.178	0.1069	-0.1756u	-1.1366u
Be 313.042	0.0194	0.0177	0.0161
Ca 370.602	52.04	50.38	50.44
Cd 226.502	0.1371	0.0807	-0.0017u
Co 228.615	-0.0140u	0.1746	-0.1788u
Cr 267.716	0.1483	0.5110	0.4523
Cu 324.754	-0.2512u	-0.1636u	0.0407
Fe 271.441	3.8536	2.4651	7.4959
K 766.491	0.5095	0.3979	0.2126
Mg 279.078	4.3832	4.3139	0.1010
Mn 257.610	0.1011	0.1245	0.1223
Mo 202.032	-0.0144u	0.0998	0.1258
Na 330.237	264.853	90.0207	160.382
Ni 231.604	0.0064	0.1570	-0.3814u
Pb 220.353	0.4609	0.7421	2.0786
Sb 206.834	0.2890	-0.5139u	3.7175
Se 196.026	7.1055	0.4167	0.8355
Sn 189.925	1.2114	-0.1807u	-0.7195u
Sr 216.596	0.1572	0.7147	0.1901
Ti 334.941	0.1363	0.1346	0.1588

Label	Replicates Concentration		
Tl 190.794	-4.1617u	1.1301	1.2795
V 292.401	0.0039	0.0815	-0.0681u
Zn 206.200	2.2545	2.8231	1.6574

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	0.0601	ppb	0.0744	123.9	-5.8232
Al 308.215	9.9952	ppb	1.0522	10.5	460.517
As 188.980	4.9550	ppb	0.7672	15.5	0.2463
B 249.678	3.8651	ppb	0.0405	1.0	93.9210
Ba 389.178	-0.4017	ppb	0.6519	162.3	-58.9231
Be 313.042	0.0177	ppb	0.0016	9.3	-288.224
Ca 370.602	50.95	ppb	0.9397	1.8	128.9
Cd 226.502	0.0720	ppb	0.0698	96.9	15.9353
Co 228.615	-0.0061	ppb	0.1768	2916.6	3.0928
Cr 267.716	0.3706	ppb	0.1947	52.5	49.5258
Cu 324.754	-0.1247	ppb	0.1498	120.1	241.152
Fe 271.441	4.6049	ppb	2.5982	56.4	13.3264
K 766.491	0.3733	ppb	0.1500	40.2	341.053
Mg 279.078	2.9327	ppb	2.4526	83.6	26.0516
Mn 257.610	0.1160	ppb	0.0129	11.1	64.7230
Mo 202.032	0.0704	ppb	0.0745	105.9	6.7107
Na 330.237	171.752	ppb	87.9691	51.2	30.1912
Ni 231.604	-0.0727	ppb	0.2778	382.4	-4.9775
Pb 220.353	1.0939	ppb	0.8643	79.0	1.9950
Sb 206.834	1.1642	ppb	2.2474	193.0	2.6629
Se 196.026	2.7859	ppb	3.7467	134.5	3.8128
Sn 189.925	0.1037	ppb	0.9964	960.4	-5.3046
Sr 216.596	0.3540	ppb	0.3128	88.4	6.2797
Ti 334.941	0.1432	ppb	0.0135	9.4	-22.1313
Tl 190.794	-0.5841	ppb	3.0993	530.6	-6.5336
V 292.401	0.0058	ppb	0.0748	1297.4	-6.9553
Zn 206.200	2.2450	ppb	0.5829	26.0	3.2307

680-106174-e-6-a (Samp) **10/15/2014, 11:47:09 AM** **Rack 1, Tube 17**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Replicates Concentration		
Ag 328.068	0.0960u	-0.3025u	-0.1781u
Al 308.215	20.4883	19.1872	19.2131
As 188.980	2.0451	7.4087	5.1886
B 249.678	8.5725	7.7311	7.8646
Ba 389.178	43.7509	44.0933	44.1644
Be 313.042	0.0155	0.0176	0.0137
Ca 370.602	16770	16689	16626
Cd 226.502	-0.0003	0.0235	-0.1580u
Co 228.615	-0.3811u	-0.2137u	-0.4968u
Cr 267.716	0.3528	0.4249	0.2263
Cu 324.754	-0.1232u	-0.0919u	-0.3591u
Fe 271.441	129.815	140.604	136.731
K 766.491	917.845	918.356	917.786
Mg 279.078	2110.41	2109.16	2115.93
Mn 257.610	375.413	375.504	374.905
Mo 202.032	0.8292	0.0764	0.7966
Na 330.237	6741.56	6676.26	6615.91

Label	Replicates Concentration		
Ni 231.604	0.2883	0.4616	0.0080
Pb 220.353	2.2411	2.0090	2.5833
Sb 206.834	3.5515	3.1753	3.9635
Se 196.026	3.9136	4.0145	5.1913
Sn 189.925	4.5057	-3.4443u	-0.5177u
Sr 216.596	838.505	837.521	839.011
Ti 334.941	0.2062	0.1784	0.1496
Tl 190.794	0.4746	-1.8582u	-1.5370u
V 292.401	0.0369	0.0773	-0.1907u
Zn 206.200	4.0554	2.0738	1.5410

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.1282	ppb	0.2039	159.0	-44.7373
Al 308.215	19.6295	ppb	0.7439	3.8	524.522
As 188.980	4.8808	ppb	2.6950	55.2	0.2058
B 249.678	8.0561	ppb	0.4522	5.6	157.057
Ba 389.178	44.0029	ppb	0.2211	0.5	844.399
Be 313.042	0.0156	ppb	0.0019	12.4	-287.413
Ca 370.602	16695	ppb	71.92	0.4	38611
Cd 226.502	-0.0449	ppb	0.0986	219.5	11.9947
Co 228.615	-0.3639	ppb	0.1423	39.1	-0.6394
Cr 267.716	0.3347	ppb	0.1005	30.0	49.5914
Cu 324.754	-0.1914	ppb	0.1461	76.3	236.544
Fe 271.441	135.716	ppb	5.4657	4.0	197.914
K 766.491	917.996	ppb	0.3135	0.0	39595.3
Mg 279.078	2111.83	ppb	3.6055	0.2	5142.73
Mn 257.610	375.274	ppb	0.3227	0.1	77660.2
Mo 202.032	0.5674	ppb	0.4255	75.0	9.7810
Na 330.237	6677.91	ppb	62.8380	0.9	341.193
Ni 231.604	0.2526	ppb	0.2289	90.6	-4.0658
Pb 220.353	2.2778	ppb	0.2889	12.7	3.7443
Sb 206.834	3.5634	ppb	0.3942	11.1	5.8196
Se 196.026	4.3731	ppb	0.7103	16.2	4.4968
Sn 189.925	0.1812	ppb	4.0208	2218.6	-5.2518
Sr 216.596	838.346	ppb	0.7577	0.1	9168.07
Ti 334.941	0.1781	ppb	0.0283	15.9	-9.4252
Tl 190.794	-0.9735	ppb	1.2644	129.9	-6.7619
V 292.401	-0.0255	ppb	0.1445	566.3	-7.8329
Zn 206.200	2.5567	ppb	1.3250	51.8	3.5071

680-106174-e-7-c (Samp) **10/15/2014, 11:51:24 AM** **Rack 1, Tube 18**

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

Label	Replicates Concentration		
Ag 328.068	-0.2988u	-0.2487u	0.2577
Al 308.215	13.8895	14.7627	13.1660
As 188.980	1.4303	4.1400	-0.4040u
B 249.678	7.5865	7.4252	8.0612
Ba 389.178	41.2232	41.3042	41.4953
Be 313.042	0.0129	0.0115	0.0081
Ca 370.602	15009	15025	14998
Cd 226.502	-0.1509u	-0.0048	-0.1903u
Co 228.615	0.0722	-0.1915u	-0.3486u
Cr 267.716	0.3320	0.2483	0.2629

Label	Replicates Concentration		
Cu 324.754	-0.0975u	-0.1056u	0.1178
Fe 271.441	171.228	165.697	165.070
K 766.491	786.642	785.242	786.294
Mg 279.078	1958.45	1956.24	1958.14
Mn 257.610	373.798	373.375	372.999
Mo 202.032	1.1268	1.0547	0.8387
Na 330.237	6707.06	6471.28	6419.82
Ni 231.604	0.5009	0.5335	-0.0125u
Pb 220.353	1.3560	0.8795	0.9375
Sb 206.834	1.4556	0.8802	-1.3201u
Se 196.026	10.3597	6.2549	3.7016
Sn 189.925	2.1852	-0.6450u	-0.7285u
Sr 216.596	599.655	597.850	596.266
Ti 334.941	0.1360	0.1385	0.1329
Tl 190.794	0.2295	-2.5445u	-0.8896u
V 292.401	-0.2817u	0.0999	-0.0534u
Zn 206.200	1.0957	1.1650	1.3118

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.0966	ppb	0.3078	318.7	-34.8265
Al 308.215	13.9394	ppb	0.7995	5.7	486.935
As 188.980	1.7221	ppb	2.2860	132.7	-1.4891
B 249.678	7.6910	ppb	0.3306	4.3	151.443
Ba 389.178	41.3409	ppb	0.1397	0.3	790.232
Be 313.042	0.0108	ppb	0.0024	22.4	-295.769
Ca 370.602	15011	ppb	13.73	0.1	34717
Cd 226.502	-0.1154	ppb	0.0977	84.7	9.4650
Co 228.615	-0.1559	ppb	0.2127	136.4	1.5160
Cr 267.716	0.2811	ppb	0.0447	15.9	46.9341
Cu 324.754	-0.0285	ppb	0.1267	445.3	248.005
Fe 271.441	167.332	ppb	3.3892	2.0	242.466
K 766.491	786.060	ppb	0.7288	0.1	33951.3
Mg 279.078	1957.61	ppb	1.1951	0.1	4768.09
Mn 257.610	373.391	ppb	0.3999	0.1	77269.7
Mo 202.032	1.0068	ppb	0.1499	14.9	12.4987
Na 330.237	6532.72	ppb	153.161	2.3	334.299
Ni 231.604	0.3406	ppb	0.3063	89.9	-3.8204
Pb 220.353	1.0577	ppb	0.2600	24.6	2.0017
Sb 206.834	0.3386	ppb	1.4650	432.7	1.5631
Se 196.026	6.7721	ppb	3.3590	49.6	5.4203
Sn 189.925	0.2706	ppb	1.6587	613.0	-5.1931
Sr 216.596	597.924	ppb	1.6956	0.3	6540.63
Ti 334.941	0.1358	ppb	0.0028	2.1	-21.3966
Tl 190.794	-1.0682	ppb	1.3956	130.6	-6.8596
V 292.401	-0.0784	ppb	0.1920	245.0	-9.2638
Zn 206.200	1.1908	ppb	0.1104	9.3	2.2737

680-106174-e-8-a (Samp) **10/15/2014, 11:55:40 AM** **Rack 1, Tube 19**

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

Label	Replicates Concentration		
Ag 328.068	-0.2186u	-0.0283u	-0.0573u
Al 308.215	8.8915	9.3582	9.4255
As 188.980	1.6410	-1.7316u	4.4903

Label	Replicates Concentration		
B 249.678	1.6135	2.2270	2.1172
Ba 389.178	-0.2229u	-0.7218u	-0.6960u
Be 313.042	0.0172	0.0140	0.0171
Ca 370.602	31.37	33.52	34.32
Cd 226.502	-0.0165u	0.0126	-0.0690u
Co 228.615	-0.2292u	0.1047	-0.0698u
Cr 267.716	0.2476	0.5389	0.3962
Cu 324.754	-0.2313u	-0.2092u	-0.3232u
Fe 271.441	-1.3121u	0.4193	-4.9540u
K 766.491	-0.8821u	-0.9248u	-1.2418u
Mg 279.078	3.1674	1.6009	3.2371
Mn 257.610	0.1221	0.1224	0.0857
Mo 202.032	-0.2748u	-0.1406u	0.2075
Na 330.237	115.775	83.0713	145.005
Ni 231.604	0.7574	0.6209	0.5224
Pb 220.353	1.5178	0.4211	-0.1182u
Sb 206.834	-1.7934u	1.7492	-0.4465u
Se 196.026	9.8795	2.4236	9.7400
Sn 189.925	3.0589	2.1002	1.4445
Sr 216.596	0.4473	-0.0999u	0.0925
Ti 334.941	0.0788	0.0781	0.1187
Tl 190.794	-1.4299u	0.4903	2.8925
V 292.401	-0.0547u	0.0318	0.2144
Zn 206.200	2.7166	4.8653	2.5666

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.1014	ppb	0.1025	101.1	-18.2998
Al 308.215	9.2250	ppb	0.2908	3.2	455.406
As 188.980	1.4666	ppb	3.1146	212.4	-1.6251
B 249.678	1.9859	ppb	0.3272	16.5	65.4994
Ba 389.178	-0.5469	ppb	0.2809	51.4	-61.8718
Be 313.042	0.0161	ppb	0.0018	11.4	-290.868
Ca 370.602	33.07	ppb	1.530	4.6	87.59
Cd 226.502	-0.0243	ppb	0.0414	170.3	12.3024
Co 228.615	-0.0647	ppb	0.1670	258.0	2.4811
Cr 267.716	0.3942	ppb	0.1457	37.0	50.6966
Cu 324.754	-0.2546	ppb	0.0604	23.7	232.035
Fe 271.441	-1.9489	ppb	2.7427	140.7	4.1068
K 766.491	-1.0162	ppb	0.1965	19.3	281.610
Mg 279.078	2.6684	ppb	0.9252	34.7	25.4100
Mn 257.610	0.1101	ppb	0.0211	19.2	63.4815
Mo 202.032	-0.0693	ppb	0.2489	359.1	5.8465
Na 330.237	114.617	ppb	30.9832	27.0	27.4537
Ni 231.604	0.6336	ppb	0.1180	18.6	-3.0220
Pb 220.353	0.6069	ppb	0.8337	137.4	1.3013
Sb 206.834	-0.1636	ppb	1.7882	1093.2	0.9151
Se 196.026	7.3477	ppb	4.2650	58.0	5.5690
Sn 189.925	2.2012	ppb	0.8119	36.9	-3.9255
Sr 216.596	0.1466	ppb	0.2776	189.3	3.9854
Ti 334.941	0.0919	ppb	0.0233	25.3	-36.3914
Tl 190.794	0.6510	ppb	2.1657	332.7	-5.3247
V 292.401	0.0638	ppb	0.1374	215.3	-5.4393
Zn 206.200	3.3828	ppb	1.2860	38.0	4.2574

680-106120-c-1-a (Samp) **10/15/2014, 11:59:56 AM** **Rack 1, Tube 20**

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

Label	Replicates Concentration		
Ag 328.068	0.2450	0.1720	-0.0981u
Al 308.215	50.4899	50.1499	49.0965
As 188.980	11.8341	3.7320	8.8345
B 249.678	102.661	103.667	103.224
Ba 389.178	36.7692	37.1790	36.2437
Be 313.042	0.0030	0.0091	0.0124
Ca 370.602	43774	43843	44036
Cd 226.502	0.0817	0.0499	0.1349
Co 228.615	8.7301	9.2486	8.9125
Cr 267.716	1.5673	1.3888	1.4891
Cu 324.754	107.159	107.752	107.699
Fe 271.441	4057.21	4056.02	4057.29
K 766.491	75578.1x	75615.6x	75551.9x
Mg 279.078	22971.4	22963.1	22965.7
Mn 257.610	286.486	286.365	286.790
Mo 202.032	29.9894	30.2804	30.6122
Na 330.237	50327.8	50169.0	50016.3
Ni 231.604	16.8035	15.1533	15.1530
Pb 220.353	-0.3931u	1.8192	0.1182u
Sb 206.834	3.0510	-0.7964u	1.7085
Se 196.026	11.1049	8.8236	12.6898
Sn 189.925	5.0984	4.2604	7.4155
Sr 216.596	196.684	197.383	199.624
Ti 334.941	0.9818	0.8938	1.0328
Tl 190.794	-0.4180u	2.5085	-4.6849u
V 292.401	0.4544	0.6216	0.5922
Zn 206.200	402.690	409.544	406.580

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	0.1063b	ppb	0.1807	170.0	-8.1451
Al 308.215	49.9121b	ppb	0.7265	1.5	733.119
As 188.980	8.1335b	ppb	4.0963	50.4	1.9236
B 249.678	103.184b	ppb	0.5041	0.5	1587.43
Ba 389.178	36.7306b	ppb	0.4688	1.3	725.449
Be 313.042	0.0082b	ppb	0.0048	58.4	-303.355
Ca 370.602	43884b	ppb	135.6	0.3	101424
Cd 226.502	0.0888b	ppb	0.0430	48.3	31.0249
Co 228.615	8.9638b	ppb	0.2630	2.9	96.0830
Cr 267.716	1.4817b	ppb	0.0895	6.0	108.625
Cu 324.754	107.537b	ppb	0.3285	0.3	7794.97
Fe 271.441	4056.84b	ppb	0.7111	0.0	5720.88
K 766.491	75581.8xb	ppb	32.0144	0.0	3233578
Mg 279.078	22966.7b	ppb	4.2361	0.0	55811.4
Mn 257.610	286.547b	ppb	0.2189	0.1	59475.7
Mo 202.032	30.2940b	ppb	0.3116	1.0	193.572
Na 330.237	50171.0b	ppb	155.768	0.3	2409.49
Ni 231.604	15.7033b	ppb	0.9528	6.1	39.0144
Pb 220.353	0.5148b	ppb	1.1582	225.0	0.9381
Sb 206.834	1.3210b	ppb	1.9527	147.8	2.5088
Se 196.026	10.8728b	ppb	1.9435	17.9	7.0121
Sn 189.925	5.5914b	ppb	1.6343	29.2	-1.6825
Sr 216.596	197.897b	ppb	1.5360	0.8	2183.37

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ti 334.941	0.9695b	ppb	0.0703	7.3	242.294
Tl 190.794	-0.8648b	ppb	3.6175	418.3	-7.2322
V 292.401	0.5561b	ppb	0.0892	16.0	3.7813
Zn 206.200	406.271b	ppb	3.4371	0.8	367.574

680-106120-a-2-a (Samp) **10/15/2014, 12:04:12 PM** **Rack 1, Tube 21**

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

Label	Replicates Concentration		
Ag 328.068	-0.2083u	0.1246	0.1670
Al 308.215	17.8584	18.5316	17.3503
As 188.980	2.9245	12.3838	3.7108
B 249.678	14.7856	14.6785	14.6936
Ba 389.178	22.7635	23.2344	23.3186
Be 313.042	0.0176	0.0202	0.0252
Ca 370.602	7334	7361	7358
Cd 226.502	-0.1231u	-0.1474u	-0.2082u
Co 228.615	-0.5878u	-0.5600u	0.2179
Cr 267.716	0.4450	0.4230	0.4150
Cu 324.754	14.1909	14.1750	14.1413
Fe 271.441	5.0462	8.9676	9.2464
K 766.491	2096.43	2107.40	2107.52
Mg 279.078	1617.72	1625.51	1623.00
Mn 257.610	3.1874	3.1626	3.1889
Mo 202.032	-0.0464u	-0.1257u	-0.4041u
Na 330.237	28075.7	28424.9	28456.1
Ni 231.604	1.0300	0.7069	0.6927
Pb 220.353	-0.6629u	-0.3620u	0.3321
Sb 206.834	2.2971	3.8914	1.0459
Se 196.026	1.7236	3.0794	14.0938
Sn 189.925	2.7843	-0.2280u	1.1526
Sr 216.596	63.5929	63.5198	63.5976
Ti 334.941	0.0736	0.0658	0.1191
Tl 190.794	0.3175	1.5421	-0.2304u
V 292.401	1.0050	0.9932	1.1372
Zn 206.200	34.4871	33.4992	35.3394

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	0.0278	ppb	0.2055	740.7	-10.2879
Al 308.215	17.9134	ppb	0.5926	3.3	513.012
As 188.980	6.3397	ppb	5.2491	82.8	0.9893
B 249.678	14.7193	ppb	0.0580	0.4	258.066
Ba 389.178	23.1055	ppb	0.2992	1.3	419.892
Be 313.042	0.0210	ppb	0.0039	18.4	-283.561
Ca 370.602	7351	ppb	14.96	0.2	17004
Cd 226.502	-0.1596	ppb	0.0438	27.5	7.1262
Co 228.615	-0.3099	ppb	0.4574	147.6	-0.0683
Cr 267.716	0.4277	ppb	0.0156	3.6	52.8880
Cu 324.754	14.1691	ppb	0.0253	0.2	1243.64
Fe 271.441	7.7534	ppb	2.3486	30.3	17.7201
K 766.491	2103.79	ppb	6.3697	0.3	90321.2
Mg 279.078	1622.08	ppb	3.9745	0.2	3959.71
Mn 257.610	3.1796	ppb	0.0147	0.5	710.031
Mo 202.032	-0.1920	ppb	0.1879	97.8	5.0857

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Na 330.237	28318.9	ppb	211.197	0.7	1375.02
Ni 231.604	0.8099	ppb	0.1908	23.6	-2.5318
Pb 220.353	-0.2309	ppb	0.5103	221.0	0.1069
Sb 206.834	2.4115	ppb	1.4262	59.1	4.3109
Se 196.026	6.2989	ppb	6.7845	107.7	5.1659
Sn 189.925	1.2363	ppb	1.5079	122.0	-4.5520
Sr 216.596	63.5701	ppb	0.0437	0.1	699.428
Ti 334.941	0.0862	ppb	0.0288	33.4	-37.4465
Tl 190.794	0.5431	ppb	0.9075	167.1	-5.4292
V 292.401	1.0451	ppb	0.0800	7.7	19.8188
Zn 206.200	34.4419	ppb	0.9209	2.7	32.2777

680-106095-e-1-a (Samp) **10/15/2014, 12:08:29 PM** **Rack 1, Tube 22**

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

Label	Replicates Concentration		
Ag 328.068	-0.2251u	-0.0872u	-0.0794u
Al 308.215	1903.28	1923.44	1902.02
As 188.980	2.6217	6.5839	6.3546
B 249.678	6.6738	6.8934	6.5813
Ba 389.178	39.1808	39.2274	38.1484
Be 313.042	0.1833	0.1784	0.1811
Ca 370.602	756.7	769.0	763.2
Cd 226.502	0.0090	-0.1350	-0.0793
Co 228.615	1.0322	0.5469	0.9268
Cr 267.716	2.6124	2.5009	2.7220
Cu 324.754	4.2217	4.6538	4.5993
Fe 271.441	2390.64	2412.45	2385.40
K 766.491	1159.61	1160.83	1149.69
Mg 279.078	747.375	755.099	749.682
Mn 257.610	13.8624	13.9246	13.8432
Mo 202.032	0.1590	0.7156	0.8901
Na 330.237	2384.34	2238.94	2317.94
Ni 231.604	2.0289	2.4275	1.1412
Pb 220.353	-0.3022u	2.7968	2.4117
Sb 206.834	1.6968	1.4244	2.7914
Se 196.026	1.8892	14.7855	2.4321
Sn 189.925	0.5400	0.9990	3.0140
Sr 216.596	9.1618	9.3517	9.4630
Ti 334.941	27.8857	27.8551	27.4380
Tl 190.794	2.9211	0.9309	0.5196
V 292.401	11.4071	11.6136	11.2496
Zn 206.200	4.5723	6.6740	7.3189

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.1306	ppb	0.0820	62.8	-21.1254
Al 308.215	1909.58	ppb	12.0213	0.6	13035.8
As 188.980	5.1867	ppb	2.2244	42.9	0.3741
B 249.678	6.7161	ppb	0.1603	2.4	132.063
Ba 389.178	38.8522	ppb	0.6100	1.6	739.358
Be 313.042	0.1809	ppb	0.0024	1.3	-22.0006
Ca 370.602	763.0	ppb	6.196	0.8	1762
Cd 226.502	-0.0684	ppb	0.0726	106.0	19.1524
Co 228.615	0.8353	ppb	0.2552	30.6	12.5185

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Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Cr 267.716	2.6118	ppb	0.1106	4.2	161.842
Cu 324.754	4.4916	ppb	0.2353	5.2	565.770
Fe 271.441	2396.16	ppb	14.3447	0.6	3381.41
K 766.491	1156.71	ppb	6.1118	0.5	49807.1
Mg 279.078	750.719	ppb	3.9655	0.5	1841.90
Mn 257.610	13.8767	ppb	0.0426	0.3	2922.56
Mo 202.032	0.5882	ppb	0.3819	64.9	9.8028
Na 330.237	2313.74	ppb	72.7927	3.1	131.889
Ni 231.604	1.8659	ppb	0.6585	35.3	0.5729
Pb 220.353	1.6354	ppb	1.6891	103.3	2.5905
Sb 206.834	1.9709	ppb	0.7235	36.7	3.8106
Se 196.026	6.3689	ppb	7.2940	114.5	5.2129
Sn 189.925	1.5177	ppb	1.3160	86.7	-4.3743
Sr 216.596	9.3255	ppb	0.1523	1.6	107.054
Ti 334.941	27.7262	ppb	0.2501	0.9	7633.08
Tl 190.794	1.4572	ppb	1.2844	88.1	-4.8004
V 292.401	11.4234	ppb	0.1826	1.6	290.004
Zn 206.200	6.1884	ppb	1.4363	23.2	6.6919

680-106095-e-2-a (Samp) **10/15/2014, 12:12:46 PM** **Rack 1, Tube 23**

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

Label	Replicates Concentration		
Ag 328.068	-0.4125u	-0.3470u	-0.1359u
Al 308.215	6588.81	6599.53	6566.75
As 188.980	4.6277	4.2473	9.4555
B 249.678	6.0525	6.4928	6.1877
Ba 389.178	83.7887	85.4614	83.4986
Be 313.042	0.6483	0.6443	0.6410
Ca 370.602	1964	1984	1966
Cd 226.502	0.2697	0.2236	0.2670
Co 228.615	7.8200	7.0994	7.4382
Cr 267.716	15.1125	14.9691	14.8938
Cu 324.754	35.5797	35.1937	35.3641
Fe 271.441	10219.0	10273.2	10180.6
K 766.491	4422.56	4439.17	4424.52
Mg 279.078	3976.81	3980.28	3947.72
Mn 257.610	176.902	177.543	176.471
Mo 202.032	0.7495	1.0125	0.5997
Na 330.237	1349.28	1173.56	1186.81
Ni 231.604	8.6885	7.8008	7.2687
Pb 220.353	8.6212	12.0786	9.6263
Sb 206.834	3.6897	0.6178	-0.8372u
Se 196.026	6.5591	10.3470	3.9043
Sn 189.925	1.2826	2.1810	-0.0476u
Sr 216.596	15.5164	15.0792	15.8238
Ti 334.941	304.121	304.861	303.389
Tl 190.794	3.9118	-0.2519u	-0.0956u
V 292.401	20.3667	20.0465	20.2578
Zn 206.200	122.941	124.330	122.007

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.2984	ppb	0.1445	48.4	-34.7731
Al 308.215	6585.03	ppb	16.7134	0.3	43988.6

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
As 188.980	6.1101	ppb	2.9034	47.5	0.8679
B 249.678	6.2443	ppb	0.2255	3.6	108.594
Ba 389.178	84.2496	ppb	1.0595	1.3	1668.06
Be 313.042	0.6445	ppb	0.0037	0.6	733.474
Ca 370.602	1971	ppb	10.78	0.5	4580
Cd 226.502	0.2534	ppb	0.0259	10.2	59.0633
Co 228.615	7.4525	ppb	0.3605	4.8	87.2249
Cr 267.716	14.9918	ppb	0.1111	0.7	780.776
Cu 324.754	35.3792	ppb	0.1934	0.5	2735.21
Fe 271.441	10224.3	ppb	46.4772	0.5	14406.2
K 766.491	4428.75	ppb	9.0774	0.2	189779
Mg 279.078	3968.27	ppb	17.8827	0.5	9654.39
Mn 257.610	176.972	ppb	0.5392	0.3	36695.0
Mo 202.032	0.7872	ppb	0.2090	26.5	10.6934
Na 330.237	1236.55	ppb	97.8535	7.9	75.1053
Ni 231.604	7.9193	ppb	0.7173	9.1	17.9231
Pb 220.353	10.1087	ppb	1.7785	17.6	14.0543
Sb 206.834	1.1568	ppb	2.3111	199.8	3.1002
Se 196.026	6.9368	ppb	3.2379	46.7	5.5217
Sn 189.925	1.1387	ppb	1.1213	98.5	-4.6239
Sr 216.596	15.4731	ppb	0.3742	2.4	182.845
Ti 334.941	304.123	ppb	0.7360	0.2	84334.8
Tl 190.794	1.1881	ppb	2.3601	198.6	-5.8941
V 292.401	20.2237	ppb	0.1628	0.8	524.429
Zn 206.200	123.093	ppb	1.1685	0.9	111.830

680-106201-c-1-a (Samp) **10/15/2014, 12:17:03 PM** **Rack 1, Tube 24**

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

Label	Replicates Concentration		
Ag 328.068	30.5582	30.6484	30.1270
Al 308.215	1147.79	1156.18	1136.11
As 188.980	11.4704	9.2921	12.4295
B 249.678	3141.20	3144.31	3116.44
Ba 389.178	7.7363	7.8224	8.0316
Be 313.042	0.3875u	0.3998u	0.4009u
Ca 370.602	19791	19852	19657
Cd 226.502	80.6488	80.2489	79.2311
Co 228.615	5.0122	5.3287	4.7949
Cr 267.716	152.848	153.873	151.725
Cu 324.754	70.7571	70.8485	69.4547
Fe 271.441	607.532	612.756	604.763
K 766.491	63344.8x	62013.4x	60759.8x
Mg 279.078	587.468	591.265	578.688
Mn 257.610	4.8391	4.8626	4.8333
Mo 202.032	8.2176	8.5955	8.2443
Na 330.237	6565955x	6690096x	6541191x
Ni 231.604	81.7330	83.6060	80.9575
Pb 220.353	1.3084	-2.3232u	-1.9036u
Sb 206.834	1.7165	7.5498	5.5796
Se 196.026	29.9849	33.1236	21.5950
Sn 189.925	-5.3484u	-5.8721u	-1.6630
Sr 216.596	61.7311	61.8571	63.1222
Ti 334.941	26.3865	26.6530	26.1657

Label	Replicates Concentration		
Tl 190.794	-7.3141u	-7.0973u	-6.3874u
V 292.401	6.6253	6.7808	6.5924
Zn 206.200	13.2127	14.8245	11.9852

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	30.4445b	ppb	0.2787	0.9	2342.08
Al 308.215	1146.70b	ppb	10.0775	0.9	7984.31
As 188.980	11.0640b	ppb	1.6077	14.5	3.5283
B 249.678	3133.98b	ppb	15.2723	0.5	47423.1
Ba 389.178	7.8634b	ppb	0.1519	1.9	109.789
Be 313.042	0.3961b	ppb	0.0074	1.9	-330.727
Ca 370.602	19766b	ppb	99.61	0.5	45708
Cd 226.502	80.0429b	ppb	0.7309	0.9	2973.84
Co 228.615	5.0452b	ppb	0.2684	5.3	56.3682
Cr 267.716	152.815b	ppb	1.0745	0.7	7735.35
Cu 324.754	70.3534b	ppb	0.7797	1.1	5184.75
Fe 271.441	608.351b	ppb	4.0589	0.7	864.356
K 766.491	62039.4xb	ppb	1292.70	2.1	2654255
Mg 279.078	585.807b	ppb	6.4508	1.1	1441.68
Mn 257.610	4.8450b	ppb	0.0155	0.3	1016.63
Mo 202.032	8.3525b	ppb	0.2109	2.5	57.9334
Na 330.237	6599080xb	ppb	79788.1	1.2	315500
Ni 231.604	82.0989b	ppb	1.3616	1.7	222.687
Pb 220.353	-0.9728b	ppb	1.9867	204.2	-0.9104
Sb 206.834	4.9486b	ppb	2.9674	60.0	9.1550
Se 196.026	28.2345b	ppb	5.9603	21.1	13.6162
Sn 189.925	-4.2945b	ppb	2.2939	53.4	-6.3394
Sr 216.596	62.2368b	ppb	0.7694	1.2	687.580
Ti 334.941	26.4017b	ppb	0.2440	0.9	6754.87
Tl 190.794	-6.9329b	ppb	0.4848	7.0	-12.8161
V 292.401	6.6662b	ppb	0.1006	1.5	108.925
Zn 206.200	13.3408b	ppb	1.4240	10.7	12.8204

Cont Calib Verif (CCV) **10/15/2014, 12:21:19 PM** **Rack 1, Tube 25**

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

Label	Replicates Concentration		
Ag 328.068	496.521	495.361	500.753
Al 308.215	4859.53	4858.16	4869.07
As 188.980	460.548	457.276	464.354
B 249.678	513.051	510.583	511.188
Ba 389.178	4900.04	4903.65	4912.45
Be 313.042	490.622	491.369	493.166
Ca 370.602	4946	4975	4968
Cd 226.502	491.271	492.465	491.607
Co 228.615	500.020	501.361	500.776
Cr 267.716	4916.04	4920.50	4933.81
Cu 324.754	5064.71	4995.31	5084.53
Fe 271.441	4941.08	4933.28	4954.67
K 766.491	10052.6	10055.3	10100.0
Mg 279.078	4905.51	4914.67	4910.38
Mn 257.610	5027.90	5051.13	5057.23
Mo 202.032	492.051	492.413	495.945
Na 330.237	8006.26	8126.33	7970.58

Label	Replicates Concentration		
Ni 231.604	2498.54	2501.97	2501.05
Pb 220.353	496.858	499.729	502.854
Sb 206.834	921.273	930.706	930.210
Se 196.026	4831.64	4824.22	4827.74
Sn 189.925	4956.39	4948.71	4966.48
Sr 216.596	2445.04	2446.50	2448.12
Ti 334.941	490.077	490.721	491.927
Tl 190.794	5003.27	5002.04	5023.01
V 292.401	4902.92	4905.74	4920.68
Zn 206.200	2454.58	2454.51	2448.11

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Ag 328.068	497.545	ppb	2.8377	0.6	38427.9	99.50897
Al 308.215	4862.25	ppb	5.9410	0.1	33082.1	97.24505
As 188.980	460.726	ppb	3.5422	0.8	244.661	92.14523
B 249.678	511.607	ppb	1.2866	0.3	7773.56	102.32146
Ba 389.178	4905.38	ppb	6.3838	0.1	99457.5	98.10764
Be 313.042	491.719	ppb	1.3075	0.3	800363	98.34376
Ca 370.602	4963	ppb	15.28	0.3	11747	99.25767
Cd 226.502	491.781	ppb	0.6158	0.1	18435.4	98.35619
Co 228.615	500.719	ppb	0.6726	0.1	5223.38	100.14381
Cr 267.716	4923.45	ppb	9.2475	0.2	244316	98.46902
Cu 324.754	5048.18	ppb	46.8503	0.9	354264	100.96363
Fe 271.441	4943.01	ppb	10.8247	0.2	7066.20	98.86020
K 766.491	10069.3	ppb	26.5830	0.3	431072	100.69321
Mg 279.078	4910.19	ppb	4.5833	0.1	11854.1	98.20371
Mn 257.610	5045.42	ppb	15.4754	0.3	1043443	100.90844
Mo 202.032	493.470	ppb	2.1510	0.4	3054.97	98.69395
Na 330.237	8034.39	ppb	81.5969	1.0	343.800	107.12524
Ni 231.604	2500.52	ppb	1.7765	0.1	6921.35	100.02068
Pb 220.353	499.814	ppb	2.9989	0.6	716.350	99.96277
Sb 206.834	927.396	ppb	5.3089	0.6	1268.81	92.73964
Se 196.026	4827.87	ppb	3.7112	0.1	1862.54	96.55730
Sn 189.925	4957.19	ppb	8.9126	0.2	3253.91	99.14390
Sr 216.596	2446.55	ppb	1.5432	0.1	26673.3	97.86219
Ti 334.941	490.908	ppb	0.9391	0.2	136165	98.18166
Tl 190.794	5009.44	ppb	11.7697	0.2	4899.73	100.18876
V 292.401	4909.78	ppb	9.5436	0.2	126966	98.19553
Zn 206.200	2452.40	ppb	3.7150	0.2	2200.89	98.09605

Cont Calib Blank (CCB) **10/15/2014, 12:25:33 PM** **Rack 1, Tube 26**

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

Label	Replicates Concentration		
Ag 328.068	0.1541	0.1429	-0.2746u
Al 308.215	7.6160	7.4503	6.2704
As 188.980	6.1440	5.7586	2.5402
B 249.678	18.4219	16.2645	15.1103
Ba 389.178	0.0490	0.2559	0.7369
Be 313.042	0.0454	0.0613	0.0568
Ca 370.602	2.108	1.809	-4.384u
Cd 226.502	0.0088	0.1985	0.1609
Co 228.615	0.0875	0.2040	0.4004
Cr 267.716	0.5019	0.5061	0.5089

Label	Replicates Concentration		
Cu 324.754	0.0620	0.4484	0.5194
Fe 271.441	1.0422	0.1283	-1.6378u
K 766.491	0.5836	-0.0236u	0.0987
Mg 279.078	2.0105	0.8924	-1.2142u
Mn 257.610	0.4054	0.5052	0.5107
Mo 202.032	0.9892	0.7526	1.0587
Na 330.237	18.8617	6.6776	53.4831
Ni 231.604	0.5996	1.6523	0.6892
Pb 220.353	2.4292	0.1372	-0.5176u
Sb 206.834	6.6761	3.9990	4.2064
Se 196.026	7.5995	7.0780	1.6474
Sn 189.925	2.1671	1.3206	3.2793
Sr 216.596	0.5785	0.2875	-0.0442u
Ti 334.941	0.1509	0.1370	0.1188
Tl 190.794	4.5577	-0.0469u	1.6110
V 292.401	0.2606	0.7946	0.7379
Zn 206.200	0.4127	0.1288	-1.1202u

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Ag 328.068	0.0075	ppb	0.2444	3276.0	-9.8856	0.00746
Al 308.215	7.1122	ppb	0.7337	10.3	441.535	7.11223
As 188.980	4.8143	ppb	1.9788	41.1	0.1706	4.81425
B 249.678	16.5989	ppb	1.6809	10.1	286.527	16.59892
Ba 389.178	0.3473	ppb	0.3530	101.6	-43.7339	0.34727
Be 313.042	0.0545	ppb	0.0082	15.0	-228.445	0.05450
Ca 370.602	-0.1556	ppb	3.665	2355.0	10.83	-0.15560
Cd 226.502	0.1227	ppb	0.1004	81.8	17.7962	0.12274
Co 228.615	0.2306	ppb	0.1581	68.6	5.5313	0.23063
Cr 267.716	0.5056	ppb	0.0035	0.7	56.2172	0.50561
Cu 324.754	0.3433	ppb	0.2462	71.7	273.999	0.34326
Fe 271.441	-0.1558	ppb	1.3624	874.5	6.6260	-0.15579
K 766.491	0.2196	ppb	0.3211	146.3	334.475	0.21956
Mg 279.078	0.5629	ppb	1.6374	290.9	20.2878	0.56292
Mn 257.610	0.4737	ppb	0.0592	12.5	138.668	0.47374
Mo 202.032	0.9335	ppb	0.1605	17.2	12.0517	0.93346
Na 330.237	26.3408	ppb	24.2825	92.2	23.3229	26.34081
Ni 231.604	0.9804	ppb	0.5837	59.5	-2.0612	0.98038
Pb 220.353	0.6829	ppb	1.5474	226.6	1.4086	0.68293
Sb 206.834	4.9605	ppb	1.4894	30.0	7.6512	4.96051
Se 196.026	5.4417	ppb	3.2962	60.6	4.8353	5.44166
Sn 189.925	2.2557	ppb	0.9824	43.6	-3.8897	2.25567
Sr 216.596	0.2739	ppb	0.3116	113.7	5.3415	0.27394
Ti 334.941	0.1356	ppb	0.0161	11.9	-24.2610	0.13557
Tl 190.794	2.0406	ppb	2.3322	114.3	-3.9687	2.04060
V 292.401	0.5977	ppb	0.2933	49.1	8.2176	0.59770
Zn 206.200	-0.1929	ppb	0.8156	422.8	1.0313	-0.19288

680-106104-a-1-a (Samp) **10/15/2014, 12:29:48 PM** **Rack 1, Tube 27**

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

Label	Replicates Concentration		
Ag 328.068	0.0738u	0.1994	-0.2792u
Al 308.215	12.4475	12.3468	11.9559
As 188.980	4.0566	4.8748	7.8467

Label	Replicates Concentration		
B 249.678	18.8050	18.9363	17.7906
Ba 389.178	22.5262	22.6059	22.2900
Be 313.042	0.0049	0.0075	0.0077
Ca 370.602	32627	32635	32533
Cd 226.502	-0.0366u	0.0208	-0.2522u
Co 228.615	-0.2648u	-0.4665u	-0.1211u
Cr 267.716	0.3450	0.4552	0.4876
Cu 324.754	1.6388	1.1591	0.9571
Fe 271.441	47.5851	43.8044	50.6810
K 766.491	1596.36	1586.57	1590.13
Mg 279.078	4517.11	4502.99	4490.32
Mn 257.610	7.0294	7.0579	6.9716
Mo 202.032	1.9144	1.2301	1.3868
Na 330.237	6118.39	6039.69	5911.00
Ni 231.604	1.0187	0.0869	1.3192
Pb 220.353	-2.5742u	1.7497	0.7547
Sb 206.834	1.9799	-0.0053u	2.5555
Se 196.026	6.1884	1.7659	8.9518
Sn 189.925	0.3532	0.0658	-0.4533u
Sr 216.596	213.674	211.869	211.707
Ti 334.941	0.1799	0.1814	0.1932
Tl 190.794	-0.1256u	-2.4898u	0.3344
V 292.401	0.0149	-0.2776u	-0.0377u
Zn 206.200	50.4983	50.7009	48.3140

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.0020	ppb	0.2482	12420.8	-17.2983
Al 308.215	12.2501	ppb	0.2597	2.1	475.602
As 188.980	5.5927	ppb	1.9944	35.7	0.5879
B 249.678	18.5106	ppb	0.6270	3.4	315.287
Ba 389.178	22.4740	ppb	0.1643	0.7	410.765
Be 313.042	0.0067	ppb	0.0016	23.8	-297.130
Ca 370.602	32599	ppb	56.95	0.2	75368
Cd 226.502	-0.0893	ppb	0.1440	161.1	10.0668
Co 228.615	-0.2842	ppb	0.1735	61.1	0.1615
Cr 267.716	0.4293	ppb	0.0748	17.4	52.5984
Cu 324.754	1.2517	ppb	0.3501	28.0	337.762
Fe 271.441	47.3568	ppb	3.4440	7.3	73.5092
K 766.491	1591.02	ppb	4.9527	0.3	68386.0
Mg 279.078	4503.47	ppb	13.4007	0.3	10960.0
Mn 257.610	7.0197	ppb	0.0440	0.6	1525.69
Mo 202.032	1.5104	ppb	0.3585	23.7	15.6205
Na 330.237	6023.03	ppb	104.695	1.7	308.751
Ni 231.604	0.8082	ppb	0.6425	79.5	-2.5336
Pb 220.353	-0.0232	ppb	2.2645	9742.9	0.3990
Sb 206.834	1.5101	ppb	1.3435	89.0	3.0953
Se 196.026	5.6354	ppb	3.6247	64.3	4.9115
Sn 189.925	-0.0114	ppb	0.4087	3577.2	-5.3786
Sr 216.596	212.417	ppb	1.0920	0.5	2334.44
Ti 334.941	0.1848	ppb	0.0073	4.0	-3.4817
Tl 190.794	-0.7603	ppb	1.5153	199.3	-6.7129
V 292.401	-0.1001	ppb	0.1559	155.7	-9.9245
Zn 206.200	49.8377	ppb	1.3235	2.7	46.1657

680-106200-b-48-a (Samp) **10/15/2014, 12:34:03 PM** **Rack 1, Tube 28**

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

Label	Replicates Concentration		
Ag 328.068	-0.0775u	-0.6393u	-0.4952u
Al 308.215	17277.2	16938.3	16749.9
As 188.980	88.2899	89.0641	89.5639
B 249.678	6.7320u	6.1306u	6.2905u
Ba 389.178	186.745	182.521	181.026
Be 313.042	1.5134	1.4773	1.4606
Ca 370.602	2884	2828	2796
Cd 226.502	-0.9950	-0.9565	-0.7987
Co 228.615	22.6386	21.9231	21.9433
Cr 267.716	51.8004	50.5039	50.0216
Cu 324.754	14.4160	14.4890	14.2698
Fe 271.441	73368.0	71657.9	70926.0
K 766.491	848.121	835.606	826.679
Mg 279.078	1015.03	992.655	983.726
Mn 257.610	3239.20	3168.34	3134.13
Mo 202.032	2.6423	2.5142	2.4038
Na 330.237	58.8518u	75.2101u	6.5277u
Ni 231.604	13.6021	13.7645	14.1444
Pb 220.353	45.2004	41.9280	42.2484
Sb 206.834	2.5123	2.2935	0.7346
Se 196.026	-0.0756	10.2968	0.1597
Sn 189.925	6.5390	2.5066	1.8045
Sr 216.596	14.3838	14.0591	13.4858
Ti 334.941	89.6411	87.8851	87.0524
Tl 190.794	-0.4301u	0.6917u	-1.9661u
V 292.401	66.0071	64.8922	64.0284
Zn 206.200	63.1850	63.2079	61.1538

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.4040	ppb	0.2918	72.2	-38.2720
Al 308.215	16988.5	ppb	267.219	1.6	112939
As 188.980	88.9727	ppb	0.6419	0.7	45.0848
B 249.678	6.3844	ppb	0.3115	4.9	-18.5198
Ba 389.178	183.430	ppb	2.9660	1.6	3706.63
Be 313.042	1.4838	ppb	0.0270	1.8	2100.65
Ca 370.602	2836	ppb	44.35	1.6	5964
Cd 226.502	-0.9167	ppb	0.1040	11.3	235.300
Co 228.615	22.1683	ppb	0.4074	1.8	240.230
Cr 267.716	50.7753	ppb	0.9199	1.8	2595.99
Cu 324.754	14.3916	ppb	0.1116	0.8	1288.13
Fe 271.441	71983.9	ppb	1253.24	1.7	101382
K 766.491	836.802	ppb	10.7712	1.3	36121.9
Mg 279.078	997.138	ppb	16.1287	1.6	2377.31
Mn 257.610	3180.56	ppb	53.5913	1.7	657965
Mo 202.032	2.5201	ppb	0.1194	4.7	18.7455
Na 330.237	46.8632	ppb	35.8764	76.6	5.6979
Ni 231.604	13.8370	ppb	0.2783	2.0	38.9880
Pb 220.353	43.1256	ppb	1.8040	4.2	57.9595
Sb 206.834	1.8468	ppb	0.9694	52.5	6.2107
Se 196.026	3.4603	ppb	5.9217	171.1	5.2250
Sn 189.925	3.6167	ppb	2.5550	70.6	-2.9950
Sr 216.596	13.9762	ppb	0.4547	3.3	232.771

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ti 334.941	88.1929	ppb	1.3215	1.5	24420.6
Tl 190.794	-0.5682	ppb	1.3343	234.8	-13.5517
V 292.401	64.9759	ppb	0.9920	1.5	1701.28
Zn 206.200	62.5156	ppb	1.1794	1.9	54.7341

680-106200-b-54-a (Samp) **10/15/2014, 12:38:18 PM** **Rack 1, Tube 29**

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

Label	Replicates Concentration		
Ag 328.068	0.0919	0.1353	-0.2407u
Al 308.215	11712.7	11699.4	11687.3
As 188.980	25.6351	29.3391	23.7968
B 249.678	7.1884	6.9168	7.6614
Ba 389.178	241.297	240.801	240.132
Be 313.042	1.4265	1.4278	1.4266
Ca 370.602	24770	24850	24926
Cd 226.502	0.7685	0.6737	0.8815
Co 228.615	9.5562	9.9667	10.1829
Cr 267.716	30.2311	30.0649	30.0247
Cu 324.754	55.9356	55.3516	55.6049
Fe 271.441	31566.0	31578.7	31551.9
K 766.491	1503.93	1498.17	1497.37
Mg 279.078	4608.61	4607.83	4609.11
Mn 257.610	3951.33	3952.20	3954.92
Mo 202.032	1.9441	1.4246	1.3201
Na 330.237	62.7820u	375.507u	328.882u
Ni 231.604	21.6729	21.1369	22.1107
Pb 220.353	235.480	241.289	243.554
Sb 206.834	1.6036	1.2254	1.8460
Se 196.026	4.0333	15.0785	3.0718
Sn 189.925	11.8630	8.3328	12.0094
Sr 216.596	57.9486	57.8174	57.3926
Ti 334.941	143.814	143.212	143.399
Tl 190.794	-2.2878u	4.2141	2.6522
V 292.401	34.3984	34.3413	34.7654
Zn 206.200	427.231	429.684	425.451

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.0045	ppb	0.2057	4569.6	1.0219
Al 308.215	11699.8	ppb	12.6785	0.1	77871.8
As 188.980	26.2570	ppb	2.8230	10.8	11.6070
B 249.678	7.2555	ppb	0.3768	5.2	79.1562
Ba 389.178	240.743	ppb	0.5847	0.2	4853.42
Be 313.042	1.4269	ppb	0.0007	0.1	2013.95
Ca 370.602	24849	ppb	78.05	0.3	57279
Cd 226.502	0.7746	ppb	0.1040	13.4	154.731
Co 228.615	9.9019	ppb	0.3184	3.2	111.009
Cr 267.716	30.1069	ppb	0.1094	0.4	1556.51
Cu 324.754	55.6307	ppb	0.2928	0.5	4164.23
Fe 271.441	31565.5	ppb	13.4203	0.0	44460.6
K 766.491	1499.82	ppb	3.5767	0.2	64484.8
Mg 279.078	4608.52	ppb	0.6441	0.0	11138.8
Mn 257.610	3952.82	ppb	1.8759	0.0	817574
Mo 202.032	1.5629	ppb	0.3342	21.4	14.5702

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Na 330.237	255.724	ppb	168.711	66.0	16.0039
Ni 231.604	21.6402	ppb	0.4877	2.3	57.5547
Pb 220.353	240.108	ppb	4.1646	1.7	341.450
Sb 206.834	1.5584	ppb	0.3128	20.1	4.4217
Se 196.026	7.3945	ppb	6.6719	90.2	6.5828
Sn 189.925	10.7351	ppb	2.0817	19.4	1.6853
Sr 216.596	57.7195	ppb	0.2906	0.5	674.848
Ti 334.941	143.475	ppb	0.3078	0.2	39761.5
Tl 190.794	1.5262	ppb	3.3941	222.4	-6.3870
V 292.401	34.5017	ppb	0.2302	0.7	898.945
Zn 206.200	427.455	ppb	2.1255	0.5	385.563

680-106162-a-1-b (Samp) **10/15/2014, 12:42:34 PM** **Rack 1, Tube 30**

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

Label	Replicates Concentration		
Ag 328.068	4.8206	5.0363	4.8386
Al 308.215	33656.7	33050.2	32407.3
As 188.980	8.5888	10.5747	3.0230
B 249.678	412.497	408.826	402.590
Ba 389.178	2750.73	2708.22	2662.09
Be 313.042	0.5076	0.4994	0.4907
Ca 370.602	212003	209427	205385
Cd 226.502	20.1429	19.9791	19.4146
Co 228.615	9.1857	9.3559	9.1990
Cr 267.716	169.043	166.341	163.186
Cu 324.754	235.234	229.938	226.589
Fe 271.441	15090.9	14897.5	14630.6
K 766.491	74113.7x	72875.4x	71774.9x
Mg 279.078	29989.9	29531.6	28934.6
Mn 257.610	10764.0	10572.3	10433.0
Mo 202.032	13.6763	14.1140	12.7575
Na 330.237	28365.7	28024.5	27417.3
Ni 231.604	27.9755	28.8559	26.9581
Pb 220.353	38.4780	38.6495	35.8267
Sb 206.834	1.5505	1.4061	2.5034
Se 196.026	-1.3003	5.9500	-0.0809
Sn 189.925	3.5146	6.4655	3.2204
Sr 216.596	1013.24	996.943	981.567
Ti 334.941	2158.42	2123.34	2082.08
Tl 190.794	1.7179	1.8348	1.3948
V 292.401	26.6940	25.8510	25.3952
Zn 206.200	1007.93	1002.30	973.583

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	4.8985b	ppb	0.1197	2.4	384.155
Al 308.215	33038.1b	ppb	624.818	1.9	219046
As 188.980	7.3955b	ppb	3.9147	52.9	1.7534
B 249.678	407.971b	ppb	5.0087	1.2	6173.48
Ba 389.178	2707.01b	ppb	44.3348	1.6	54896.0
Be 313.042	0.4992b	ppb	0.0085	1.7	551.301
Ca 370.602	208938b	ppb	3336	1.6	483837
Cd 226.502	19.8455b	ppb	0.3821	1.9	809.123
Co 228.615	9.2468b	ppb	0.0947	1.0	141.086

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Cr 267.716	166.190b	ppb	2.9313	1.8	8335.91
Cu 324.754	230.587b	ppb	4.3591	1.9	16428.7
Fe 271.441	14873.0b	ppb	231.113	1.6	20953.7
K 766.491	72921.3xb	ppb	1170.09	1.6	3119766
Mg 279.078	29485.4b	ppb	529.127	1.8	71448.1
Mn 257.610	10589.8b	ppb	166.203	1.6	2190175
Mo 202.032	13.5160b	ppb	0.6923	5.1	89.2570
Na 330.237	27935.8b	ppb	480.364	1.7	1325.23
Ni 231.604	27.9298b	ppb	0.9497	3.4	73.7111
Pb 220.353	37.6514b	ppb	1.5826	4.2	53.8901
Sb 206.834	1.8200b	ppb	0.5963	32.8	5.5023
Se 196.026	1.5229b	ppb	3.8821	254.9	5.4665
Sn 189.925	4.4002b	ppb	1.7947	40.8	-2.4721
Sr 216.596	997.248b	ppb	15.8363	1.6	10984.6
Ti 334.941	2121.28b	ppb	38.2126	1.8	588604
Tl 190.794	1.6492b	ppb	0.2279	13.8	-1.2992
V 292.401	25.9801b	ppb	0.6590	2.5	693.701
Zn 206.200	994.605b	ppb	18.4208	1.9	897.514

680-106162-a-2-b (Samp) **10/15/2014, 12:46:50 PM** **Rack 1, Tube 31**

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

Label	Replicates Concentration		
Ag 328.068	6.2560	5.8891	5.7671
Al 308.215	32194.4	31242.0	30308.1
As 188.980	14.0122	3.1258	5.5403
B 249.678	431.205	421.978	413.209
Ba 389.178	2830.70	2754.44	2673.47
Be 313.042	0.5145	0.5041	0.4777
Ca 370.602	211155	204590	198722
Cd 226.502	23.0952	22.4517	21.6905
Co 228.615	9.3239	8.6066	8.2040
Cr 267.716	196.181	191.020	185.582
Cu 324.754	255.237	244.620	240.837
Fe 271.441	15045.8	14664.1	14245.0
K 766.491	73690.9x	71790.7x	69926.6x
Mg 279.078	26933.5	26221.9	25500.2
Mn 257.610	10104.6	9868.39	9537.11
Mo 202.032	13.7058	13.2805	13.3085
Na 330.237	30621.0	29903.8	29324.7
Ni 231.604	26.1918	26.3465	25.1396
Pb 220.353	40.5126	43.0143	40.2770
Sb 206.834	-0.4579	-1.8640u	5.0263
Se 196.026	11.3467	7.9766	8.7512
Sn 189.925	2.6546	2.5782	1.1914
Sr 216.596	1021.45	997.663	968.980
Ti 334.941	2426.78	2362.60	2292.13
Tl 190.794	-3.5985u	-1.0905	-1.0890
V 292.401	27.1363	26.2027	25.4937
Zn 206.200	1044.15	1023.88	991.257

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	5.9707b	ppb	0.2544	4.3	463.623
Al 308.215	31248.2b	ppb	943.150	3.0	207201

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
As 188.980	7.5594b	ppb	5.7172	75.6	1.8276
B 249.678	422.130b	ppb	8.9989	2.1	6388.02
Ba 389.178	2752.87b	ppb	78.6263	2.9	55821.8
Be 313.042	0.4988b	ppb	0.0190	3.8	549.531
Ca 370.602	204822b	ppb	6220	3.0	474396
Cd 226.502	22.4124b	ppb	0.7032	3.1	904.352
Co 228.615	8.7115b	ppb	0.5673	6.5	140.187
Cr 267.716	190.927b	ppb	5.3000	2.8	9560.52
Cu 324.754	246.898b	ppb	7.4651	3.0	17572.6
Fe 271.441	14651.6b	ppb	400.546	2.7	20642.0
K 766.491	71802.7xb	ppb	1882.15	2.6	3071915
Mg 279.078	26218.5b	ppb	716.650	2.7	63525.5
Mn 257.610	9836.71b	ppb	285.081	2.9	2034426
Mo 202.032	13.4316b	ppb	0.2379	1.8	88.7440
Na 330.237	29949.8b	ppb	649.404	2.2	1420.41
Ni 231.604	25.8926b	ppb	0.6567	2.5	68.0510
Pb 220.353	41.2680b	ppb	1.5170	3.7	58.8520
Sb 206.834	0.9014b	ppb	3.6408	403.9	4.5458
Se 196.026	9.3582b	ppb	1.7651	18.9	8.3388
Sn 189.925	2.1414b	ppb	0.8236	38.5	-3.9566
Sr 216.596	996.030b	ppb	26.2723	2.6	10970.0
Ti 334.941	2360.50b	ppb	67.3505	2.9	654979
Tl 190.794	-1.9260b	ppb	1.4484	75.2	-5.1066
V 292.401	26.2776b	ppb	0.8238	3.1	703.793
Zn 206.200	1019.77b	ppb	26.6885	2.6	920.157

680-106162-a-3-b (Samp) **10/15/2014, 12:51:06 PM** **Rack 1, Tube 32**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Replicates Concentration		
Ag 328.068	5.8078	5.5691	5.7146
Al 308.215	31902.1	31007.9	30226.1
As 188.980	4.3301	10.9124	4.1829
B 249.678	407.353	398.805	390.899
Ba 389.178	2887.99	2809.45	2745.15
Be 313.042	0.5160	0.4842	0.4870
Ca 370.602	204085	200366	194365
Cd 226.502	22.8329	22.3691	21.6221
Co 228.615	8.5931	8.3902	8.5505
Cr 267.716	226.014	220.651	215.953
Cu 324.754	231.429	225.539	221.979
Fe 271.441	14632.5	14260.4	13930.4
K 766.491	77656.4x	76042.6x	74024.8x
Mg 279.078	27794.7	27060.2	26431.6
Mn 257.610	9898.05	9659.37	9443.44
Mo 202.032	14.0216	13.1859	13.0201
Na 330.237	31129.6	30055.3	29253.5
Ni 231.604	28.5555	26.2770	27.3031
Pb 220.353	46.1129	49.7263	45.2530
Sb 206.834	1.0568	0.3092	3.6216
Se 196.026	-5.3587u	2.9448	8.0808
Sn 189.925	4.8080	4.3040	-0.9314u
Sr 216.596	1007.86	978.035	956.787
Ti 334.941	2136.96	2085.36	2031.47

Label	Replicates Concentration		
Tl 190.794	0.4345	-0.0153	-2.8884u
V 292.401	26.3372	25.2025	24.6847
Zn 206.200	1085.65	1048.37	1025.18

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	5.6972b	ppb	0.1203	2.1	442.238
Al 308.215	31045.4b	ppb	838.635	2.7	205859
As 188.980	6.4752b	ppb	3.8435	59.4	1.2460
B 249.678	399.019b	ppb	8.2294	2.1	6039.37
Ba 389.178	2814.20b	ppb	71.5370	2.5	57066.5
Be 313.042	0.4957b	ppb	0.0176	3.6	542.413
Ca 370.602	199605b	ppb	4905	2.5	462236
Cd 226.502	22.2747b	ppb	0.6109	2.7	897.849
Co 228.615	8.5112b	ppb	0.1070	1.3	132.778
Cr 267.716	220.873b	ppb	5.0342	2.3	11045.0
Cu 324.754	226.315b	ppb	4.7725	2.1	16128.9
Fe 271.441	14274.4b	ppb	351.221	2.5	20110.8
K 766.491	75907.9xb	ppb	1819.53	2.4	3247527
Mg 279.078	27095.5b	ppb	682.251	2.5	65659.6
Mn 257.610	9666.95b	ppb	227.403	2.4	1999327
Mo 202.032	13.4092b	ppb	0.5368	4.0	88.6227
Na 330.237	30146.2b	ppb	941.340	3.1	1429.66
Ni 231.604	27.3785b	ppb	1.1411	4.2	72.1393
Pb 220.353	47.0307b	ppb	2.3737	5.0	67.2127
Sb 206.834	1.6625b	ppb	1.7373	104.5	5.8478
Se 196.026	1.8889b	ppb	6.7816	359.0	5.4253
Sn 189.925	2.7269b	ppb	3.1781	116.5	-3.5716
Sr 216.596	980.895b	ppb	25.6573	2.6	10802.0
Ti 334.941	2084.60b	ppb	52.7505	2.5	578421
Tl 190.794	-0.8231b	ppb	1.8027	219.0	-4.0676
V 292.401	25.4081b	ppb	0.8452	3.3	675.768
Zn 206.200	1053.07b	ppb	30.5061	2.9	950.139

680-106162-a-4-b (Samp) **10/15/2014, 12:55:23 PM** **Rack 1, Tube 33**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Replicates Concentration		
Ag 328.068	2.8690	2.8705	2.7302
Al 308.215	29655.8	28963.7	28279.1
As 188.980	11.1197	10.2029	7.0766
B 249.678	499.878	491.973	484.536
Ba 389.178	391.850	384.728	376.367
Be 313.042	0.3068	0.3000	0.2973
Ca 370.602	156422	152934	149024
Cd 226.502	18.0577	17.7847	17.5453
Co 228.615	13.9768	14.8765	14.4521
Cr 267.716	201.091	196.581	192.306
Cu 324.754	437.324	429.680	418.639
Fe 271.441	7619.42	7462.35	7309.83
K 766.491	152497x	149812x	151321x
Mg 279.078	51473.8	50291.5	49164.3
Mn 257.610	19034.0	18658.4	18258.0
Mo 202.032	42.9491	42.9024	41.9824
Na 330.237	64710.1	62962.2	61770.6

Label	Replicates Concentration		
Ni 231.604	33.2751	33.1518	34.0708
Pb 220.353	63.4871	59.2215	60.4819
Sb 206.834	0.9382	1.9951	-0.1323
Se 196.026	3.4786	13.7172	1.0762
Sn 189.925	5.9958	5.4296	7.0788
Sr 216.596	808.231	788.282	777.081
Ti 334.941	508.254	497.532	486.689
Tl 190.794	0.1424	5.9089	0.3226
V 292.401	14.6411	13.9891	14.0540
Zn 206.200	2651.95	2596.90	2540.74

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	2.8233b	ppb	0.0806	2.9	268.782
Al 308.215	28966.2b	ppb	688.306	2.4	192089
As 188.980	9.4664b	ppb	2.1198	22.4	2.8623
B 249.678	492.129b	ppb	7.6723	1.6	7461.72
Ba 389.178	384.315b	ppb	7.7499	2.0	7811.20
Be 313.042	0.3014b	ppb	0.0049	1.6	199.034
Ca 370.602	152793b	ppb	3701	2.4	353707
Cd 226.502	17.7959b	ppb	0.2564	1.4	706.084
Co 228.615	14.4351b	ppb	0.4501	3.1	162.956
Cr 267.716	196.660b	ppb	4.3933	2.2	9878.06
Cu 324.754	428.548b	ppb	9.3936	2.2	30311.2
Fe 271.441	7463.87b	ppb	154.805	2.1	10520.0
K 766.491	151210xb	ppb	1346.03	0.9	6468798
Mg 279.078	50309.9b	ppb	1154.86	2.3	121894
Mn 257.610	18650.2b	ppb	388.092	2.1	3857128
Mo 202.032	42.6113b	ppb	0.5452	1.3	269.637
Na 330.237	63147.6b	ppb	1478.54	2.3	2973.77
Ni 231.604	33.4992b	ppb	0.4988	1.5	88.5699
Pb 220.353	61.0635b	ppb	2.1915	3.6	89.9949
Sb 206.834	0.9337b	ppb	1.0637	113.9	3.9611
Se 196.026	6.0907b	ppb	6.7131	110.2	8.7162
Sn 189.925	6.1680b	ppb	0.8380	13.6	-1.2999
Sr 216.596	791.198b	ppb	15.7783	2.0	8706.06
Ti 334.941	497.492b	ppb	10.7825	2.2	138065
Tl 190.794	2.1246b	ppb	3.2785	154.3	3.6116
V 292.401	14.2281b	ppb	0.3592	2.5	356.444
Zn 206.200	2596.53b	ppb	55.6038	2.1	2342.93

640-49347-q-1-a (Samp) **10/15/2014, 12:59:39 PM** **Rack 1, Tube 34**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Replicates Concentration		
Ag 328.068	0.1817	-0.2011u	-0.1926u
Al 308.215	10.8113	10.2118	9.9144
As 188.980	-0.5428u	-4.6021u	2.7862
B 249.678	40.1749	39.1942	37.8969
Ba 389.178	6.0057	5.6546	5.3387
Be 313.042	0.0141	0.0194	0.0201
Ca 370.602	1201	1196	1197
Cd 226.502	-0.1054u	-0.0155u	-0.0681u
Co 228.615	0.3182	0.0138	-0.2262u
Cr 267.716	0.0286	0.0643	-0.1841u

Label	Replicates Concentration		
Cu 324.754	-0.2448u	-0.0440u	-0.0527u
Fe 271.441	73.0067	65.2474	70.2426
K 766.491	895.174	890.835	888.236
Mg 279.078	3080.89	3036.44	3017.02
Mn 257.610	3.5984	3.5958	3.6689
Mo 202.032	0.0024	-0.1811u	-0.0457u
Na 330.237	23457.4	23071.4	23013.9
Ni 231.604	1.3450	0.2791	-0.1771u
Pb 220.353	-0.0639u	1.3400	1.4763
Sb 206.834	0.0679	1.0461	0.8234
Se 196.026	5.5782	5.9368	10.9703
Sn 189.925	3.5033	1.8228	0.7539
Sr 216.596	19.8274	19.3680	19.2273
Ti 334.941	0.1818	0.1956	0.1951
Tl 190.794	-2.4501u	0.1626	1.4909
V 292.401	-0.0304u	-0.0876u	-0.1439u
Zn 206.200	-0.1622u	-0.8851u	-0.1582u

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.0707	ppb	0.2186	309.3	-16.5641
Al 308.215	10.3125	ppb	0.4568	4.4	462.710
As 188.980	-0.7862	ppb	3.7002	470.6	-2.8340
B 249.678	39.0887	ppb	1.1427	2.9	626.404
Ba 389.178	5.6663	ppb	0.3337	5.9	68.0332
Be 313.042	0.0178	ppb	0.0033	18.4	-290.090
Ca 370.602	1198	ppb	2.680	0.2	2781
Cd 226.502	-0.0630	ppb	0.0452	71.7	10.9950
Co 228.615	0.0353	ppb	0.2728	773.6	3.5272
Cr 267.716	-0.0304	ppb	0.1343	441.9	30.0973
Cu 324.754	-0.1139	ppb	0.1135	99.7	241.934
Fe 271.441	69.4989	ppb	3.9327	5.7	104.706
K 766.491	891.415	ppb	3.5051	0.4	38458.2
Mg 279.078	3044.78	ppb	32.7464	1.1	7416.18
Mn 257.610	3.6210	ppb	0.0414	1.1	811.819
Mo 202.032	-0.0748	ppb	0.0951	127.2	5.8099
Na 330.237	23180.9	ppb	241.196	1.0	1130.23
Ni 231.604	0.4823	ppb	0.7811	161.9	-3.4356
Pb 220.353	0.9175	ppb	0.8526	92.9	1.7404
Sb 206.834	0.6458	ppb	0.5127	79.4	1.9787
Se 196.026	7.4951	ppb	3.0149	40.2	5.6270
Sn 189.925	2.0267	ppb	1.3860	68.4	-4.0338
Sr 216.596	19.4742	ppb	0.3139	1.6	215.634
Ti 334.941	0.1909	ppb	0.0078	4.1	-5.5863
Tl 190.794	-0.2655	ppb	2.0051	755.1	-6.2275
V 292.401	-0.0873	ppb	0.0568	65.0	-9.4612
Zn 206.200	-0.4018	ppb	0.4185	104.2	0.8416

640-49347-q-2-a (Samp) **10/15/2014, 1:03:56 PM** **Rack 1, Tube 35**

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

Label	Replicates Concentration		
Ag 328.068	0.0019	0.1295	0.0899
Al 308.215	7.9545	7.9134	10.4052
As 188.980	2.8600	5.7946	2.5131

Label	Replicates Concentration		
B 249.678	7.2660	7.1511	7.2293
Ba 389.178	1.7213	1.1286	1.4296
Be 313.042	0.0247	0.0134	0.0196
Ca 370.602	375.9	374.8	380.9
Cd 226.502	-0.1718u	-0.2361u	-0.0320u
Co 228.615	0.0113	-0.2564u	-0.2849u
Cr 267.716	0.1830	0.0740	0.0272
Cu 324.754	-0.3050u	-0.1848u	0.0133
Fe 271.441	44.8157	46.1017	51.3297
K 766.491	45.2266	44.8379	45.9145
Mg 279.078	156.414	155.243	155.938
Mn 257.610	5.0719	5.0450	5.1332
Mo 202.032	-0.2746u	-0.5527u	0.1655
Na 330.237	1766.69	1810.96	1692.26
Ni 231.604	0.2237	0.4978	0.1503
Pb 220.353	-0.0771u	1.8096	-0.1271u
Sb 206.834	1.4743	4.6708	0.0856
Se 196.026	7.9710	1.7352	0.3147
Sn 189.925	1.1506	2.3589	1.2948
Sr 216.596	1.9348	2.2098	1.7828
Ti 334.941	0.0985	0.0905	0.1112
Tl 190.794	0.0667	-1.8623u	-3.3334u
V 292.401	-0.2461u	0.0105	0.0141
Zn 206.200	-0.3304u	0.3051	1.6879

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	0.0738	ppb	0.0653	88.5	-4.8042
Al 308.215	8.7577	ppb	1.4269	16.3	452.380
As 188.980	3.7226	ppb	1.8028	48.4	-0.4150
B 249.678	7.2155	ppb	0.0587	0.8	144.507
Ba 389.178	1.4265	ppb	0.2964	20.8	-21.6317
Be 313.042	0.0192	ppb	0.0056	29.2	-285.790
Ca 370.602	377.2	ppb	3.284	0.9	882.8
Cd 226.502	-0.1467	ppb	0.1044	71.2	7.8832
Co 228.615	-0.1767	ppb	0.1634	92.5	1.3187
Cr 267.716	0.0947	ppb	0.0799	84.4	35.9121
Cu 324.754	-0.1589	ppb	0.1608	101.2	238.768
Fe 271.441	47.4157	ppb	3.4501	7.3	73.5794
K 766.491	45.3263	ppb	0.5452	1.2	2264.06
Mg 279.078	155.865	ppb	0.5889	0.4	397.510
Mn 257.610	5.0833	ppb	0.0452	0.9	1093.16
Mo 202.032	-0.2206	ppb	0.3621	164.2	4.9085
Na 330.237	1756.64	ppb	59.9814	3.4	106.001
Ni 231.604	0.2906	ppb	0.1831	63.0	-3.9675
Pb 220.353	0.5352	ppb	1.1040	206.3	1.1970
Sb 206.834	2.0769	ppb	2.3512	113.2	3.8670
Se 196.026	3.3403	ppb	4.0727	121.9	4.0275
Sn 189.925	1.6014	ppb	0.6600	41.2	-4.3194
Sr 216.596	1.9758	ppb	0.2164	11.0	24.1512
Ti 334.941	0.1001	ppb	0.0104	10.4	-33.9792
Tl 190.794	-1.7097	ppb	1.7052	99.7	-7.6369
V 292.401	-0.0738	ppb	0.1492	202.1	-8.9837
Zn 206.200	0.5542	ppb	1.0320	186.2	1.7044

CRI (Samp) **10/15/2014, 1:08:13 PM** **Rack 1, Tube 36**

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

Label	Replicates Concentration		
Ag 328.068	10.4791	10.9459	10.8368
Al 308.215	213.810	214.976	214.537
As 188.980	23.2657	28.1384	26.5749
B 249.678	105.020	105.687	106.202
Ba 389.178	10.4261	9.9742	9.6203
Be 313.042	4.2139	4.2037	4.2211
Ca 370.602	516.8	520.7	527.7
Cd 226.502	5.2913	5.1756	5.2709
Co 228.615	10.2526	9.9564	10.2913
Cr 267.716	10.3991	10.3640	10.5172
Cu 324.754	21.6239	21.5579	21.7049
Fe 271.441	48.9817	50.0159	50.8811
K 766.491	1094.52	1094.54	1094.75
Mg 279.078	520.360	521.118	519.638
Mn 257.610	11.2595	11.2693	11.2517
Mo 202.032	10.0784	10.6419	10.6332
Na 330.237	949.203	1074.49	932.469
Ni 231.604	42.6915	43.0102	42.6947
Pb 220.353	11.1779	8.4834	8.1749
Sb 206.834	20.6563	23.9583	20.6913
Se 196.026	20.9259	26.1233	28.4445
Sn 189.925	55.8526	51.4130	53.7682
Sr 216.596	10.3936	10.0522	10.5406
Ti 334.941	10.5077	10.5347	10.4758
Tl 190.794	25.4830	29.2187	23.1753
V 292.401	10.3662	10.5803	10.5062
Zn 206.200	22.2963	21.8339	23.4174

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	10.7539	ppb	0.2442	2.3	821.005
Al 308.215	214.441	ppb	0.5892	0.3	1815.03
As 188.980	25.9930	ppb	2.4879	9.6	11.5320
B 249.678	105.636	ppb	0.5928	0.6	1632.96
Ba 389.178	10.0069	ppb	0.4039	4.0	152.922
Be 313.042	4.2129	ppb	0.0087	0.2	6540.64
Ca 370.602	521.7	ppb	5.533	1.1	1221
Cd 226.502	5.2460	ppb	0.0618	1.2	209.725
Co 228.615	10.1668	ppb	0.1832	1.8	108.988
Cr 267.716	10.4268	ppb	0.0803	0.8	548.490
Cu 324.754	21.6289	ppb	0.0736	0.3	1767.15
Fe 271.441	49.9596	ppb	0.9510	1.9	78.3940
K 766.491	1094.61	ppb	0.1271	0.0	47150.3
Mg 279.078	520.372	ppb	0.7401	0.1	1282.90
Mn 257.610	11.2602	ppb	0.0088	0.1	2373.17
Mo 202.032	10.4511	ppb	0.3228	3.1	70.9382
Na 330.237	985.388	ppb	77.6184	7.9	68.5784
Ni 231.604	42.7988	ppb	0.1831	0.4	113.765
Pb 220.353	9.2787	ppb	1.6520	17.8	13.6498
Sb 206.834	21.7686	ppb	1.8964	8.7	29.7732
Se 196.026	25.1646	ppb	3.8499	15.3	12.4313
Sn 189.925	53.6779	ppb	2.2212	4.1	29.9199
Sr 216.596	10.3288	ppb	0.2506	2.4	114.312

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ti 334.941	10.5061	ppb	0.0295	0.3	2854.19
Tl 190.794	25.9590	ppb	3.0497	11.7	19.4245
V 292.401	10.4842	ppb	0.1087	1.0	262.705
Zn 206.200	22.5159	ppb	0.8143	3.6	21.4908

Cont Calib Verif (CCV) **10/15/2014, 1:12:29 PM** **Rack 1, Tube 37**

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

Label	Replicates Concentration		
Ag 328.068	486.642	489.127	488.057
Al 308.215	4810.25	4816.21	4764.44
As 188.980	460.903	456.911	461.171
B 249.678	483.364	485.209	486.899
Ba 389.178	4837.05	4838.46	4829.80
Be 313.042	486.048	486.759	486.134
Ca 370.602	4855	4871	4865
Cd 226.502	488.119	487.948	486.363
Co 228.615	495.097	494.762	494.057
Cr 267.716	4853.75	4862.54	4850.52
Cu 324.754	4987.40	5055.08	5003.79
Fe 271.441	4862.24	4875.08	4859.57
K 766.491	10115.9	10126.0	10136.5
Mg 279.078	4856.17	4858.67	4848.04
Mn 257.610	4987.67	4999.87	4965.83
Mo 202.032	488.529	488.994	489.842
Na 330.237	7265.69	7410.25	7527.91
Ni 231.604	2476.85	2472.81	2469.55
Pb 220.353	490.929	495.906	496.008
Sb 206.834	918.866	919.349	916.369
Se 196.026	4833.08	4839.05	4805.47
Sn 189.925	4912.81	4909.79	4875.66
Sr 216.596	2417.06	2413.91	2407.77
Ti 334.941	484.023	484.763	483.644
Tl 190.794	4970.94	4975.67	4936.88
V 292.401	4845.95	4850.91	4842.23
Zn 206.200	2425.48	2424.43	2415.73

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Ag 328.068	487.942	ppb	1.2463	0.3	37685.8	97.58842
Al 308.215	4796.96	ppb	28.3276	0.6	32643.7	95.93927
As 188.980	459.662	ppb	2.3860	0.5	244.091	91.93237
B 249.678	485.158	ppb	1.7678	0.4	7373.66	97.03152
Ba 389.178	4835.10	ppb	4.6424	0.1	98031.9	96.70205
Be 313.042	486.314	ppb	0.3882	0.1	791561	97.26275
Ca 370.602	4864	ppb	7.648	0.2	11515	97.27097
Cd 226.502	487.476	ppb	0.9683	0.2	18274.1	97.49529
Co 228.615	494.639	ppb	0.5308	0.1	5159.98	98.92773
Cr 267.716	4855.60	ppb	6.2176	0.1	240949	97.11205
Cu 324.754	5015.42	ppb	35.3093	0.7	351967	100.30849
Fe 271.441	4865.63	ppb	8.2905	0.2	6956.17	97.31261
K 766.491	10126.1	ppb	10.2731	0.1	433503	101.26148
Mg 279.078	4854.30	ppb	5.5558	0.1	11719.3	97.08591
Mn 257.610	4984.46	ppb	17.2421	0.3	1030835	99.68911
Mo 202.032	489.121	ppb	0.6658	0.1	3028.12	97.82428

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Na 330.237	7401.28	ppb	131.343	1.8	314.201	98.68376
Ni 231.604	2473.07	ppb	3.6538	0.1	6845.33	98.92279
Pb 220.353	494.281	ppb	2.9032	0.6	708.426	98.85616
Sb 206.834	918.195	ppb	1.5992	0.2	1256.18	91.81947
Se 196.026	4825.87	ppb	17.9117	0.4	1861.76	96.51736
Sn 189.925	4899.42	ppb	20.6312	0.4	3215.92	97.98839
Sr 216.596	2412.92	ppb	4.7226	0.2	26306.3	96.51662
Ti 334.941	484.143	ppb	0.5690	0.1	134287	96.82864
Tl 190.794	4961.16	ppb	21.1593	0.4	4852.44	99.22328
V 292.401	4846.37	ppb	4.3546	0.1	125325	96.92735
Zn 206.200	2421.88	ppb	5.3516	0.2	2173.50	96.87527

Cont Calib Blank (CCB) **10/15/2014, 1:16:44 PM** **Rack 1, Tube 38**

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

Label	Replicates Concentration		
Ag 328.068	0.0859	-0.0777u	-0.0583u
Al 308.215	7.5449	7.8629	7.1181
As 188.980	5.4885	3.7147	5.7000
B 249.678	9.9722	8.6085	7.9342
Ba 389.178	0.3287	-0.4987u	0.8297
Be 313.042	0.0450	0.0454	0.0401
Ca 370.602	-3.153u	2.315	4.066
Cd 226.502	-0.0877u	-0.0130u	-0.1140u
Co 228.615	0.1573	0.1396	0.0023
Cr 267.716	0.3907	0.4597	0.4416
Cu 324.754	0.1121	0.2758	0.3542
Fe 271.441	-0.1081u	-0.4287u	1.7863
K 766.491	0.0395	-0.0766u	0.3650
Mg 279.078	-2.1682u	-0.1035u	-1.5212u
Mn 257.610	0.3740	0.4688	0.4678
Mo 202.032	0.9744	1.0264	0.8215
Na 330.237	-118.641u	74.6403	41.8115
Ni 231.604	-0.4322u	-0.2573u	-0.3532u
Pb 220.353	1.9761	-0.3967u	1.7965
Sb 206.834	1.3867	6.0595	5.7653
Se 196.026	-3.0745u	1.3012	1.4886
Sn 189.925	-0.7516u	4.1142	3.1119
Sr 216.596	0.4963	0.3374	0.2255
Ti 334.941	0.1088	0.1090	0.1410
Tl 190.794	0.8169	0.9901	1.0367
V 292.401	0.4230	0.4082	0.7968
Zn 206.200	-0.2655u	-0.3436u	-0.4644u

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Ag 328.068	-0.0167	ppb	0.0894	536.0	-11.7531	-0.01668
Al 308.215	7.5086	ppb	0.3737	5.0	444.146	7.50863
As 188.980	4.9677	ppb	1.0903	21.9	0.2530	4.96773
B 249.678	8.8383	ppb	1.0383	11.7	169.179	8.83831
Ba 389.178	0.2199	ppb	0.6708	305.0	-46.3214	0.21991
Be 313.042	0.0435	ppb	0.0030	6.8	-246.363	0.04348
Ca 370.602	1.076	ppb	3.766	350.0	13.70	1.07599
Cd 226.502	-0.0716	ppb	0.0524	73.2	10.5123	-0.07161
Co 228.615	0.0997	ppb	0.0849	85.1	4.1685	0.09973

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Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Cr 267.716	0.4307	ppb	0.0358	8.3	52.4963	0.43066
Cu 324.754	0.2474	ppb	0.1235	49.9	267.271	0.24738
Fe 271.441	0.4165	ppb	1.1971	287.4	7.4339	0.41650
K 766.491	0.1093	ppb	0.2289	209.4	329.759	0.10932
Mg 279.078	-1.2643	ppb	1.0561	83.5	15.8494	-1.26432
Mn 257.610	0.4369	ppb	0.0544	12.5	131.018	0.43686
Mo 202.032	0.9408	ppb	0.1065	11.3	12.0970	0.94076
Na 330.237	-0.7296	ppb	103.425	14175.1	22.0214	-0.72962
Ni 231.604	-0.3476	ppb	0.0876	25.2	-5.7402	-0.34757
Pb 220.353	1.1253	ppb	1.3211	117.4	2.0397	1.12534
Sb 206.834	4.4039	ppb	2.6171	59.4	6.9178	4.40387
Se 196.026	-0.0949	ppb	2.5821	2721.3	2.7036	-0.09488
Sn 189.925	2.1582	ppb	2.5693	119.0	-3.9539	2.15820
Sr 216.596	0.3531	ppb	0.1361	38.5	6.2378	0.35309
Ti 334.941	0.1196	ppb	0.0185	15.5	-28.6839	0.11961
Tl 190.794	0.9479	ppb	0.1158	12.2	-5.0363	0.94791
V 292.401	0.5427	ppb	0.2202	40.6	6.8050	0.54268
Zn 206.200	-0.3578	ppb	0.1002	28.0	0.8828	-0.35782

680-106108-a-38-a (Samp) **10/15/2014, 1:20:59 PM** **Rack 1, Tube 39**

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

Label	Replicates Concentration		
Ag 328.068	-0.5635u	-0.3313u	-0.5582u
Al 308.215	9906.77	9813.61	9743.15
As 188.980	8.8219	-3.1674u	5.8152
B 249.678	4.8576	4.8184	4.5298
Ba 389.178	137.635	137.398	136.082
Be 313.042	0.2302	0.2241	0.2250
Ca 370.602	2540	2513	2493
Cd 226.502	-0.2483	-0.2971	-0.3725
Co 228.615	8.3867	9.3711	8.1184
Cr 267.716	29.5982	29.0121	29.1044
Cu 324.754	31.9852	31.6310	31.4313
Fe 271.441	17550.5	17356.4	17237.6
K 766.491	7950.84	7874.09	7849.66
Mg 279.078	7407.84	7340.30	7284.89
Mn 257.610	324.441	320.902	318.936
Mo 202.032	0.0016u	0.8193	0.7831
Na 330.237	-49.5601u	109.762u	-27.5951u
Ni 231.604	14.4996	15.0938	15.3355
Pb 220.353	2.7391	4.1486	5.2612
Sb 206.834	3.3100	0.7785	0.8414
Se 196.026	-2.3235u	2.1274	3.8998
Sn 189.925	0.0103	2.8477	3.2938
Sr 216.596	5.9664	6.2884	5.7229
Ti 334.941	1357.92	1344.40	1336.56
Tl 190.794	2.4760	1.3813u	0.7079u
V 292.401	43.8856	43.0751	42.9335
Zn 206.200	39.0015	35.5350	37.9799

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.4844	ppb	0.1326	27.4	-49.2892
Al 308.215	9821.18	ppb	82.0739	0.8	65417.5

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
As 188.980	3.8232	ppb	6.2380	163.2	-0.3695
B 249.678	4.7353	ppb	0.1790	3.8	70.7329
Ba 389.178	137.038	ppb	0.8369	0.6	2746.59
Be 313.042	0.2264	ppb	0.0033	1.5	54.0242
Ca 370.602	2515	ppb	23.99	1.0	6143
Cd 226.502	-0.3060	ppb	0.0626	20.5	63.8066
Co 228.615	8.6254	ppb	0.6596	7.6	119.902
Cr 267.716	29.2383	ppb	0.3152	1.1	1493.34
Cu 324.754	31.6825	ppb	0.2805	0.9	2478.57
Fe 271.441	17381.5	ppb	157.959	0.9	24486.0
K 766.491	7891.53	ppb	52.7945	0.7	337910
Mg 279.078	7344.34	ppb	61.5717	0.8	17852.8
Mn 257.610	321.426	ppb	2.7896	0.9	66612.0
Mo 202.032	0.5347	ppb	0.4620	86.4	8.8008
Na 330.237	10.8690	ppb	86.3453	794.4	14.8642
Ni 231.604	14.9763	ppb	0.4302	2.9	38.0135
Pb 220.353	4.0496	ppb	1.2640	31.2	4.4969
Sb 206.834	1.6433	ppb	1.4437	87.9	4.1094
Se 196.026	1.2346	ppb	3.2063	259.7	3.4084
Sn 189.925	2.0506	ppb	1.7810	86.8	-4.0246
Sr 216.596	5.9926	ppb	0.2837	4.7	86.9934
Ti 334.941	1346.29	ppb	10.8039	0.8	373524
Tl 190.794	1.5217	ppb	0.8924	58.6	-6.3200
V 292.401	43.2981	ppb	0.5137	1.2	1139.93
Zn 206.200	37.5054	ppb	1.7813	4.7	34.3053

680-106108-a-38-aSD (Samp) **10/15/2014, 1:25:14 PM** **Rack 1, Tube 40**

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

Label	Replicates Concentration		
Ag 328.068	-0.1848u	0.0306	-0.0806u
Al 308.215	2162.59	2090.91	1964.89
As 188.980	5.6158	1.9013	3.7692
B 249.678	2.2283	2.3672	2.2001
Ba 389.178	30.4983	28.9300	27.0660
Be 313.042	0.0746	0.0619	0.0636
Ca 370.602	566.9	547.5	514.5
Cd 226.502	-0.1524	-0.0913	0.0139
Co 228.615	2.0734	1.6210	1.6008
Cr 267.716	6.5096	6.2329	5.8438
Cu 324.754	7.0611	6.7718	6.5499
Fe 271.441	3888.70	3756.68	3537.90
K 766.491	1790.83	1749.42	1649.12
Mg 279.078	1639.12	1578.66	1485.37
Mn 257.610	71.3291	68.8782	64.7914
Mo 202.032	0.1851	0.0706	-0.3134u
Na 330.237	128.677	163.061	5.8285u
Ni 231.604	3.8865	3.6591	2.6368
Pb 220.353	3.0075	1.8726	2.7477
Sb 206.834	-2.2405u	2.5117	2.9852
Se 196.026	6.8414	1.1959	7.9823
Sn 189.925	3.0516	1.4744	0.3812
Sr 216.596	1.4969	1.0950	0.7294
Ti 334.941	298.063	289.088	274.562

Label	Replicates Concentration		
Tl 190.794	2.5839	2.2694	0.1637u
V 292.401	9.6209	9.1119	9.0311
Zn 206.200	9.6984	7.0028	6.5187

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.0783	ppb	0.1077	137.6	-16.8094
Al 308.215	2072.80	ppb	100.087	4.8	14117.8
As 188.980	3.7621	ppb	1.8573	49.4	-0.3958
B 249.678	2.2652	ppb	0.0894	3.9	61.9420
Ba 389.178	28.8315	ppb	1.7183	6.0	537.821
Be 313.042	0.0667	ppb	0.0069	10.4	-207.914
Ca 370.602	543.0	ppb	26.50	4.9	1334
Cd 226.502	-0.0766	ppb	0.0841	109.8	23.6472
Co 228.615	1.7651	ppb	0.2672	15.1	27.2795
Cr 267.716	6.1954	ppb	0.3345	5.4	340.990
Cu 324.754	6.7943	ppb	0.2563	3.8	727.828
Fe 271.441	3727.76	ppb	177.178	4.8	5256.79
K 766.491	1729.79	ppb	72.8689	4.2	74322.3
Mg 279.078	1567.72	ppb	77.4562	4.9	3825.75
Mn 257.610	68.3329	ppb	3.3028	4.8	14193.4
Mo 202.032	-0.0192	ppb	0.2611	1356.5	5.9885
Na 330.237	99.1889	ppb	82.6601	83.3	25.1560
Ni 231.604	3.3942	ppb	0.6656	19.6	4.9055
Pb 220.353	2.5426	ppb	0.5946	23.4	3.6950
Sb 206.834	1.0855	ppb	2.8901	266.2	2.7318
Se 196.026	5.3399	ppb	3.6338	68.1	4.8373
Sn 189.925	1.6357	ppb	1.3425	82.1	-4.2974
Sr 216.596	1.1071	ppb	0.3839	34.7	18.5819
Ti 334.941	287.237	ppb	11.8593	4.1	79644.3
Tl 190.794	1.6723	ppb	1.3159	78.7	-4.7233
V 292.401	9.2546	ppb	0.3198	3.5	238.091
Zn 206.200	7.7400	ppb	1.7133	22.1	8.0314

680-106108-a-38-aPDS (Samp) **10/15/2014, 1:29:30 PM** **Rack 1, Tube 41**

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

Label	Replicates Concentration		
Ag 328.068	99.8823	93.4789	87.7176
Al 308.215	11988.2	11189.5	10616.5
As 188.980	118.574	111.617	105.589
B 249.678	208.057	196.100	187.307
Ba 389.178	237.416	222.684	211.395
Be 313.042	106.144	99.1972	94.1115
Ca 370.602	12964	12172	11551
Cd 226.502	103.979	97.2623	92.3520
Co 228.615	113.646	107.807	101.832
Cr 267.716	135.842	127.664	121.447
Cu 324.754	145.913	137.017	128.134
Fe 271.441	29513.9	27590.3	26183.9
K 766.491	18712.2	17639.6	16807.5
Mg 279.078	18565.8	17382.2	16496.3
Mn 257.610	1451.25	1357.92	1289.93
Mo 202.032	105.087	97.8082	93.8015
Na 330.237	9209.72	8643.50	8225.24

Label	Replicates Concentration		
Ni 231.604	123.618	113.601	109.646
Pb 220.353	109.947	99.6326	98.0746
Sb 206.834	104.394	98.7217	93.7756
Se 196.026	107.838	106.449	91.9583
Sn 189.925	105.051	97.2188	96.7078
Sr 216.596	111.731	102.774	98.8047
Ti 334.941	1583.33	1479.82	1406.24
Tl 190.794	18.7752	17.0324	18.6075
V 292.401	153.329	143.164	136.240
Zn 206.200	142.841	130.994	127.853

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	93.6929	ppb	6.0852	6.5	7234.68
Al 308.215	11264.7	ppb	688.974	6.1	75002.1
As 188.980	111.927	ppb	6.4982	5.8	57.5607
B 249.678	197.155	ppb	10.4148	5.3	2959.80
Ba 389.178	223.832	ppb	13.0480	5.8	4525.55
Be 313.042	99.8176	ppb	6.0402	6.1	162179
Ca 370.602	12229	ppb	708.2	5.8	28570
Cd 226.502	97.8646	ppb	5.8370	6.0	3774.95
Co 228.615	107.762	ppb	5.9075	5.5	1153.68
Cr 267.716	128.318	ppb	7.2200	5.6	6417.58
Cu 324.754	137.021	ppb	8.8892	6.5	9873.34
Fe 271.441	27762.7	ppb	1671.71	6.0	39117.1
K 766.491	17719.8	ppb	954.886	5.4	758345
Mg 279.078	17481.4	ppb	1038.31	5.9	42461.3
Mn 257.610	1366.37	ppb	80.9896	5.9	282801
Mo 202.032	98.8989	ppb	5.7212	5.8	616.969
Na 330.237	8692.82	ppb	494.089	5.7	424.796
Ni 231.604	115.622	ppb	7.2022	6.2	317.394
Pb 220.353	102.551	ppb	6.4521	6.3	144.358
Sb 206.834	98.9637	ppb	5.3131	5.4	132.252
Se 196.026	102.082	ppb	8.7948	8.6	42.5150
Sn 189.925	99.6592	ppb	4.6764	4.7	60.1541
Sr 216.596	104.437	ppb	6.6216	6.3	1173.51
Ti 334.941	1489.80	ppb	88.9619	6.0	413362
Tl 190.794	18.1384	ppb	0.9614	5.3	9.2652
V 292.401	144.244	ppb	8.5956	6.0	3742.30
Zn 206.200	133.896	ppb	7.9042	5.9	120.614

680-106108-a-38-b ms (Samp) **10/15/2014, 1:33:45 PM** **Rack 1, Tube 42**

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

Label	Replicates Concentration		
Ag 328.068	5.7821	5.3509	5.2575
Al 308.215	13419.6	13130.4	12859.9
As 188.980	17.1935	17.0327	18.7677
B 249.678	25.9163	24.8893	25.0544
Ba 389.178	193.415	190.187	185.656
Be 313.042	5.9692	5.8366	5.7030
Ca 370.602	2946	2867	2798
Cd 226.502	5.0919	4.9456	4.9088
Co 228.615	15.7509	15.6483	15.2023
Cr 267.716	52.2008	51.0730	50.0201

Label	Replicates Concentration		
Cu 324.754	37.2874	35.8666	35.4815
Fe 271.441	23458.7	22981.3	22589.2
K 766.491	10928.5	10704.3	10487.1
Mg 279.078	10135.2	9928.90	9702.20
Mn 257.610	480.635	470.236	460.427
Mo 202.032	11.4005	11.4493	11.0395
Na 330.237	655.636	775.457	530.456
Ni 231.604	32.1086	31.2962	29.9191
Pb 220.353	59.7637	58.1223	59.0208
Sb 206.834	4.5733	6.3236	2.7591
Se 196.026	14.0558	13.7614	12.9098
Sn 189.925	23.0521	23.4164	22.1992
Sr 216.596	18.3613	17.6093	17.9004
Ti 334.941	1818.18	1779.92	1743.86
Tl 190.794	0.7382u	3.3089	6.1618
V 292.401	67.9887	66.2059	65.1667
Zn 206.200	58.6905	59.1409	56.1253

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	5.4635	ppb	0.2799	5.1	410.193
Al 308.215	13136.6	ppb	279.926	2.1	87369.1
As 188.980	17.6646	ppb	0.9586	5.4	7.0520
B 249.678	25.2867	ppb	0.5515	2.2	369.749
Ba 389.178	189.753	ppb	3.8978	2.1	3821.88
Be 313.042	5.8363	ppb	0.1331	2.3	9186.38
Ca 370.602	2870	ppb	73.91	2.6	7067
Cd 226.502	4.9821	ppb	0.0969	1.9	281.826
Co 228.615	15.5338	ppb	0.2917	1.9	200.316
Cr 267.716	51.0980	ppb	1.0906	2.1	2581.82
Cu 324.754	36.2118	ppb	0.9512	2.6	2798.65
Fe 271.441	23009.7	ppb	435.458	1.9	32413.0
K 766.491	10706.6	ppb	220.710	2.1	458335
Mg 279.078	9922.09	ppb	216.556	2.2	24111.6
Mn 257.610	470.433	ppb	10.1056	2.1	97460.2
Mo 202.032	11.2964	ppb	0.2238	2.0	75.1354
Na 330.237	653.850	ppb	122.511	18.7	42.9276
Ni 231.604	31.1079	ppb	1.1068	3.6	83.1146
Pb 220.353	58.9689	ppb	0.8219	1.4	82.2557
Sb 206.834	4.5520	ppb	1.7824	39.2	8.1804
Se 196.026	13.5757	ppb	0.5951	4.4	8.2311
Sn 189.925	22.8892	ppb	0.6248	2.7	9.6766
Sr 216.596	17.9570	ppb	0.3792	2.1	223.375
Ti 334.941	1780.65	ppb	37.1676	2.1	494056
Tl 190.794	3.4029	ppb	2.7130	79.7	-5.0664
V 292.401	66.4538	ppb	1.4272	2.1	1745.93
Zn 206.200	57.9856	ppb	1.6267	2.8	52.5108

680-106108-a-38-c ms (Samp) **10/15/2014, 1:38:01 PM** **Rack 1, Tube 43**

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

Label	Replicates Concentration		
Ag 328.068	5.0961	5.1669	5.2553
Al 308.215	14243.2	14115.4	13986.0
As 188.980	12.7415	19.5903	13.8181

Label	Replicates Concentration		
B 249.678	23.2396	23.5807	23.2712
Ba 389.178	203.916	202.096	199.958
Be 313.042	5.8728	5.8087	5.7637
Ca 370.602	2934	2906	2879
Cd 226.502	4.9919	4.9085	4.8374
Co 228.615	17.8192	17.1214	17.3683
Cr 267.716	52.3499	51.9725	51.4657
Cu 324.754	46.5768	46.1186	46.0671
Fe 271.441	25300.7	25104.0	24896.4
K 766.491	11552.1	11369.7	11228.0
Mg 279.078	10640.9	10558.5	10457.2
Mn 257.610	492.263	487.294	483.323
Mo 202.032	11.0880	11.1622	10.4286
Na 330.237	683.585	729.682	718.608
Ni 231.604	33.7164	33.6456	33.0961
Pb 220.353	60.5693	56.6999	57.7686
Sb 206.834	2.5032	1.1854	2.3579
Se 196.026	14.0490	13.7520	18.3658
Sn 189.925	20.9400	26.1317	20.9686
Sr 216.596	18.3305	17.7597	17.7791
Ti 334.941	1912.06	1889.33	1869.18
Tl 190.794	1.4607u	4.1825	4.8224
V 292.401	71.8935	70.5954	70.2561
Zn 206.200	61.7313	60.9962	63.6637

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	5.1728	ppb	0.0797	1.5	387.479
Al 308.215	14114.9	ppb	128.584	0.9	93846.5
As 188.980	15.3833	ppb	3.6829	23.9	5.8255
B 249.678	23.3639	ppb	0.1885	0.8	336.246
Ba 389.178	201.990	ppb	1.9810	1.0	4071.92
Be 313.042	5.8151	ppb	0.0549	0.9	9152.12
Ca 370.602	2906	ppb	27.42	0.9	7170
Cd 226.502	4.9126	ppb	0.0773	1.6	286.705
Co 228.615	17.4363	ppb	0.3538	2.0	222.437
Cr 267.716	51.9294	ppb	0.4437	0.9	2624.25
Cu 324.754	46.2542	ppb	0.2806	0.6	3503.77
Fe 271.441	25100.4	ppb	202.134	0.8	35357.4
K 766.491	11383.2	ppb	162.473	1.4	487279
Mg 279.078	10552.2	ppb	91.9997	0.9	25641.7
Mn 257.610	487.627	ppb	4.4795	0.9	101026
Mo 202.032	10.8929	ppb	0.4038	3.7	72.5447
Na 330.237	710.625	ppb	24.0631	3.4	44.8191
Ni 231.604	33.4860	ppb	0.3396	1.0	89.8573
Pb 220.353	58.3460	ppb	1.9983	3.4	81.1804
Sb 206.834	2.0155	ppb	0.7225	35.8	4.9144
Se 196.026	15.3890	ppb	2.5823	16.8	8.9485
Sn 189.925	22.6801	ppb	2.9892	13.2	9.5391
Sr 216.596	17.9564	ppb	0.3241	1.8	225.569
Ti 334.941	1890.19	ppb	21.4566	1.1	524452
Tl 190.794	3.4886	ppb	1.7851	51.2	-5.2123
V 292.401	70.9150	ppb	0.8642	1.2	1863.98
Zn 206.200	62.1304	ppb	1.3778	2.2	56.1678

680-106108-a-43-a (Samp) **10/15/2014, 1:42:17 PM** **Rack 1, Tube 44**

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

Label	Replicates Concentration		
Ag 328.068	-4.0993u	-3.8489u	-4.1468u
Al 308.215	150648	150593	150912
As 188.980	27.4041	25.7583	24.5917
B 249.678	7.5564u	7.3078u	7.1748u
Ba 389.178	2131.66	2128.71	2136.92
Be 313.042	3.8038	3.7926	3.8123
Ca 370.602	21246	21227	21216
Cd 226.502	-4.8966	-5.2252	-4.8197
Co 228.615	125.681	125.778	125.292
Cr 267.716	578.787	578.289	578.381
Cu 324.754	309.213	306.808	306.182
Fe 271.441	258127	257597	258286
K 766.491	111785x	111658x	111816x
Mg 279.078	112139	112115	112147
Mn 257.610	5253.64	5264.44	5261.36
Mo 202.032	4.0819	3.8164	4.9211
Na 330.237	1730.10u	1455.06u	1742.17u
Ni 231.604	251.085	246.927	249.315
Pb 220.353	19.7050	19.8798	16.6160u
Sb 206.834	1.9568	-3.6710	6.3868
Se 196.026	-11.8077u	-4.7597	7.4519
Sn 189.925	19.7229	22.5246	22.1326
Sr 216.596	65.8392	65.9684	65.2447
Ti 334.941	19233.8	19243.9	19368.2
Tl 190.794	3.0931u	2.1595u	8.5131u
V 292.401	611.775	611.654	612.761
Zn 206.200	559.764	559.963	570.268

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-4.0317b	ppb	0.1600	4.0	-339.691
Al 308.215	150717b	ppb	170.446	0.1	998229
As 188.980	25.9180b	ppb	1.4130	5.5	11.4111
B 249.678	7.3463b	ppb	0.1937	2.6	-391.561
Ba 389.178	2132.43b	ppb	4.1601	0.2	43469.1
Be 313.042	3.8029b	ppb	0.0099	0.3	5904.23
Ca 370.602	21230b	ppb	15.20	0.1	53519
Cd 226.502	-4.9805b	ppb	0.2154	4.3	745.212
Co 228.615	125.584b	ppb	0.2570	0.2	1695.34
Cr 267.716	578.486b	ppb	0.2652	0.0	28905.8
Cu 324.754	307.401b	ppb	1.5997	0.5	21907.5
Fe 271.441	258003b	ppb	360.748	0.1	363364
K 766.491	111753xb	ppb	84.1654	0.1	4780919
Mg 279.078	112134b	ppb	16.4116	0.0	272301
Mn 257.610	5259.81b	ppb	5.5655	0.1	1089276
Mo 202.032	4.2732b	ppb	0.5766	13.5	21.1548
Na 330.237	1642.44b	ppb	162.390	9.9	-11.7550
Ni 231.604	249.109b	ppb	2.0868	0.8	704.597
Pb 220.353	18.7336b	ppb	1.8360	9.8	2.2725
Sb 206.834	1.5575b	ppb	5.0408	323.6	16.8616
Se 196.026	-3.0385b	ppb	9.7445	320.7	4.5185
Sn 189.925	21.4600b	ppb	1.5171	7.1	8.7364
Sr 216.596	65.6841b	ppb	0.3859	0.6	995.934

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ti 334.941	19281.9b	ppb	74.8521	0.4	5350543
Tl 190.794	4.5886b	ppb	3.4307	74.8	-28.6162
V 292.401	612.063b	ppb	0.6070	0.1	16207.2
Zn 206.200	563.332b	ppb	6.0076	1.1	498.146

680-106108-a-43-a (Samp) **10/15/2014, 1:46:33 PM** **Rack 1, Tube 45**

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

Label	Replicates Concentration		
Ag 328.068	-0.5307u	-0.4185u	-0.4159u
Al 308.215	14881.9	14147.8	13602.1
As 188.980	6.6679	6.8416	4.1566
B 249.678	1.5976u	1.4153u	2.2622u
Ba 389.178	206.982	198.300	191.345
Be 313.042	0.4097	0.3813	0.3647
Ca 370.602	2291	2172	2088
Cd 226.502	-0.5094	-0.4903	-0.5993
Co 228.615	13.2996	12.7536	12.0853
Cr 267.716	64.4491	61.1764	59.0485
Cu 324.754	33.9702	32.5355	31.2204
Fe 271.441	27059.8	25696.9	24802.2
K 766.491	12180.4	11639.3	11225.9
Mg 279.078	11749.4	11177.2	10793.4
Mn 257.610	580.143	551.042	531.373
Mo 202.032	0.9989	-0.0417u	-0.0051u
Na 330.237	94.7575u	221.722u	174.939u
Ni 231.604	30.3070	28.0069	25.5294
Pb 220.353	3.0462	4.7188	1.9477
Sb 206.834	2.2889	5.5589	0.7091
Se 196.026	5.9540	3.6192	2.4041
Sn 189.925	1.8428	4.7047	4.4368
Sr 216.596	7.6478	6.9526	6.9907
Ti 334.941	2032.61	1932.99	1905.10
Tl 190.794	1.7510u	0.4448u	1.7355u
V 292.401	62.9384	59.6249	57.5193
Zn 206.200	59.9134	54.6048	54.3137

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.4551	ppb	0.0655	14.4	-47.2891
Al 308.215	14210.6	ppb	642.210	4.5	94479.3
As 188.980	5.8887	ppb	1.5026	25.5	0.7315
B 249.678	1.7584	ppb	0.4457	25.3	8.1268
Ba 389.178	198.876	ppb	7.8344	3.9	4009.90
Be 313.042	0.3852	ppb	0.0228	5.9	313.057
Ca 370.602	2184	ppb	101.8	4.7	5512
Cd 226.502	-0.5330	ppb	0.0582	10.9	85.3583
Co 228.615	12.7128	ppb	0.6082	4.8	174.572
Cr 267.716	61.5580	ppb	2.7204	4.4	3102.89
Cu 324.754	32.5754	ppb	1.3753	4.2	2544.41
Fe 271.441	25853.0	ppb	1136.89	4.4	36416.7
K 766.491	11681.8	ppb	478.641	4.1	500053
Mg 279.078	11240.0	ppb	481.101	4.3	27311.5
Mn 257.610	554.186	ppb	24.5363	4.4	114797
Mo 202.032	0.3174	ppb	0.5905	186.1	7.0811

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Na 330.237	163.806	ppb	64.2103	39.2	18.5578
Ni 231.604	27.9478	ppb	2.3894	8.5	74.5778
Pb 220.353	3.2376	ppb	1.3954	43.1	2.5654
Sb 206.834	2.8523	ppb	2.4735	86.7	6.2960
Se 196.026	3.9924	ppb	1.8042	45.2	4.5781
Sn 189.925	3.6614	ppb	1.5807	43.2	-2.9655
Sr 216.596	7.1970	ppb	0.3908	5.4	108.732
Ti 334.941	1956.90	ppb	67.0311	3.4	542964
Tl 190.794	1.3104	ppb	0.7497	57.2	-7.3910
V 292.401	60.0275	ppb	2.7319	4.6	1584.12
Zn 206.200	56.2773	ppb	3.1523	5.6	50.8376

680-106108-a-44-a (Samp) **10/15/2014, 1:50:50 PM** **Rack 1, Tube 46**

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

Label	Replicates Concentration		
Ag 328.068	-5.5785u	-4.8645u	-5.4867u
Al 308.215	149332	149535	149351
As 188.980	27.2469	29.7511	26.0289
B 249.678	9.1675u	8.3331u	8.1709u
Ba 389.178	1906.59	1907.72	1905.86
Be 313.042	4.3466	4.3617	4.3566
Ca 370.602	22367	22428	22440
Cd 226.502	-4.5522	-4.3430	-4.4188
Co 228.615	134.934	135.166	136.045
Cr 267.716	457.116	457.454	457.393
Cu 324.754	341.886	344.318	346.690
Fe 271.441	252801	253176	253113
K 766.491	106306x	106341x	106620x
Mg 279.078	106318	106412	106304
Mn 257.610	5080.26	5096.27	5087.11
Mo 202.032	3.5920	3.0586	3.2740
Na 330.237	1452.77u	1535.85u	1804.87u
Ni 231.604	227.829	230.039	226.799
Pb 220.353	19.9139	23.0650	24.1634
Sb 206.834	0.1892	-3.9773	3.1457
Se 196.026	8.1593	-6.7149	2.9998
Sn 189.925	16.4455	16.4914	18.4341
Sr 216.596	68.1773	67.7418	67.9482
Ti 334.941	18975.8	18942.2	19068.2
Tl 190.794	9.3588u	2.8768u	1.6001u
V 292.401	577.796	578.893	579.532
Zn 206.200	566.262	572.173	564.133

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-5.3099b	ppb	0.3884	7.3	-438.620
Al 308.215	149406b	ppb	112.278	0.1	989542
As 188.980	27.6756b	ppb	1.8977	6.9	12.3663
B 249.678	8.5572b	ppb	0.5348	6.2	-364.005
Ba 389.178	1906.72b	ppb	0.9404	0.0	38881.9
Be 313.042	4.3550b	ppb	0.0077	0.2	6802.61
Ca 370.602	22412b	ppb	39.26	0.2	56209
Cd 226.502	-4.4380b	ppb	0.1059	2.4	749.629
Co 228.615	135.382b	ppb	0.5862	0.4	1792.52

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Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Cr 267.716	457.321b	ppb	0.1799	0.0	22890.5
Cu 324.754	344.298b	ppb	2.4024	0.7	24493.9
Fe 271.441	253030b	ppb	201.310	0.1	356361
K 766.491	106422xb	ppb	171.843	0.2	4552883
Mg 279.078	106345b	ppb	58.7816	0.1	258240
Mn 257.610	5087.88b	ppb	8.0323	0.2	1053666
Mo 202.032	3.3082b	ppb	0.2683	8.1	15.4043
Na 330.237	1597.83b	ppb	184.050	11.5	-12.5000
Ni 231.604	228.222b	ppb	1.6558	0.7	646.378
Pb 220.353	22.3807b	ppb	2.2058	9.9	7.7449
Sb 206.834	-0.2141b	ppb	3.5786	1671.3	13.1626
Se 196.026	1.4814b	ppb	7.5525	509.8	6.1957
Sn 189.925	17.1237b	ppb	1.1351	6.6	5.8852
Sr 216.596	67.9558b	ppb	0.2178	0.3	1017.10
Ti 334.941	18995.4b	ppb	65.2247	0.3	5271027
Tl 190.794	4.6119b	ppb	4.1602	90.2	-28.1491
V 292.401	578.740b	ppb	0.8780	0.2	15343.7
Zn 206.200	567.523b	ppb	4.1660	0.7	502.401

680-106108-a-44-a (Samp) **10/15/2014, 1:55:07 PM** **Rack 1, Tube 47**

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

Label	Replicates Concentration		
Ag 328.068	-0.5502u	-0.3983u	-0.7957u
Al 308.215	13900.7	13918.1	13891.0
As 188.980	8.2101	8.9873	6.2175
B 249.678	1.7781u	1.8028u	1.3654u
Ba 389.178	185.053	185.359	186.291
Be 313.042	0.4290	0.4299	0.4315
Ca 370.602	2324	2326	2326
Cd 226.502	-0.5989	-0.5974	-0.4760
Co 228.615	13.0751	13.7735	14.0317
Cr 267.716	47.9003	47.9617	47.7765
Cu 324.754	34.9719	35.1806	35.0606
Fe 271.441	25018.9	25095.8	25081.5
K 766.491	10839.8	10878.0	10844.9
Mg 279.078	10552.5	10561.4	10534.9
Mn 257.610	520.630	521.868	521.318
Mo 202.032	0.5002	0.2643	0.2073
Na 330.237	3.7075u	80.4045u	108.388u
Ni 231.604	24.5662	24.9735	25.4937
Pb 220.353	4.8329	5.0233	2.1772
Sb 206.834	3.8497	2.8591	0.1604
Se 196.026	0.8927	1.6964	3.8183
Sn 189.925	7.8921	1.2219	2.0653
Sr 216.596	7.1454	6.5130	6.8350
Ti 334.941	1927.29	1931.64	1930.36
Tl 190.794	0.9033u	0.4990u	-1.0472u
V 292.401	56.7752	56.8292	56.8518
Zn 206.200	52.5862	54.0691	57.9345

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.5814	ppb	0.2005	34.5	-57.0877
Al 308.215	13903.3	ppb	13.6912	0.1	92444.0

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
As 188.980	7.8050	ppb	1.4287	18.3	1.7607
B 249.678	1.6487	ppb	0.2457	14.9	8.0355
Ba 389.178	185.567	ppb	0.6450	0.3	3738.73
Be 313.042	0.4301	ppb	0.0012	0.3	386.132
Ca 370.602	2325	ppb	1.066	0.0	5838
Cd 226.502	-0.5574	ppb	0.0705	12.7	81.7670
Co 228.615	13.6268	ppb	0.4949	3.6	183.595
Cr 267.716	47.8795	ppb	0.0943	0.2	2423.65
Cu 324.754	35.0710	ppb	0.1048	0.3	2719.19
Fe 271.441	25065.4	ppb	40.9313	0.2	35307.7
K 766.491	10854.3	ppb	20.7130	0.2	464650
Mg 279.078	10549.6	ppb	13.4910	0.1	25635.0
Mn 257.610	521.272	ppb	0.6207	0.1	107984
Mo 202.032	0.3239	ppb	0.1553	47.9	7.1566
Na 330.237	64.1666	ppb	54.1964	84.5	14.0719
Ni 231.604	25.0111	ppb	0.4649	1.9	66.3836
Pb 220.353	4.0111	ppb	1.5910	39.7	3.7115
Sb 206.834	2.2897	ppb	1.9094	83.4	5.3899
Se 196.026	2.1358	ppb	1.5115	70.8	3.8515
Sn 189.925	3.7264	ppb	3.6321	97.5	-2.9228
Sr 216.596	6.8311	ppb	0.3162	4.6	104.056
Ti 334.941	1929.76	ppb	2.2350	0.1	535433
Tl 190.794	0.1183	ppb	1.0295	869.9	-8.4829
V 292.401	56.8187	ppb	0.0394	0.1	1500.92
Zn 206.200	54.8633	ppb	2.7612	5.0	49.6252

680-106108-a-45-a (Samp) **10/15/2014, 1:59:24 PM** **Rack 1, Tube 48**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Replicates Concentration		
Ag 328.068	-0.2180u	-0.3325u	-0.4392u
Al 308.215	11848.0	11752.7	11683.7
As 188.980	1.9441	5.0965	9.7170
B 249.678	1.6663u	1.8222u	1.7874u
Ba 389.178	159.005	156.771	156.894
Be 313.042	0.2380	0.2403	0.2357
Ca 370.602	1549	1540	1523
Cd 226.502	-0.5332	-0.6116	-0.3057
Co 228.615	8.2742	8.0336	7.8670
Cr 267.716	40.5175	40.1124	40.0093
Cu 324.754	32.8958	32.2105	32.4476
Fe 271.441	23704.1	23368.1	23412.4
K 766.491	8689.18	8625.40	8611.32
Mg 279.078	8216.87	8168.53	8128.82
Mn 257.610	345.695	342.999	341.847
Mo 202.032	1.3302	0.7446	0.5717
Na 330.237	31.8138u	251.521	-0.9525u
Ni 231.604	17.7527	20.0328	19.2552
Pb 220.353	125.709	123.140	125.774
Sb 206.834	-1.7113u	0.5485	3.8607
Se 196.026	-1.5534u	1.4298	10.8568
Sn 189.925	2.6338	4.4343	7.6984
Sr 216.596	7.4830	7.1076	7.3899
Ti 334.941	1558.74	1544.94	1536.49

Label	Replicates Concentration		
Tl 190.794	0.4138u	2.2681u	1.3410u
V 292.401	49.7536	49.1571	48.9843
Zn 206.200	47.4713	47.5185	47.1216

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.3299	ppb	0.1106	33.5	-38.2221
Al 308.215	11761.5	ppb	82.4894	0.7	78267.9
As 188.980	5.5859	ppb	3.9095	70.0	0.5602
B 249.678	1.7587	ppb	0.0818	4.7	12.9221
Ba 389.178	157.557	ppb	1.2555	0.8	3166.84
Be 313.042	0.2380	ppb	0.0023	1.0	72.6940
Ca 370.602	1537	ppb	13.16	0.9	3895
Cd 226.502	-0.4835	ppb	0.1589	32.9	78.9729
Co 228.615	8.0583	ppb	0.2047	2.5	118.219
Cr 267.716	40.2131	ppb	0.2686	0.7	2041.07
Cu 324.754	32.5180	ppb	0.3480	1.1	2539.61
Fe 271.441	23494.9	ppb	182.546	0.8	33095.3
K 766.491	8641.97	ppb	41.4927	0.5	370013
Mg 279.078	8171.41	ppb	44.0958	0.5	19861.1
Mn 257.610	343.514	ppb	1.9746	0.6	71202.9
Mo 202.032	0.8822	ppb	0.3975	45.1	10.6851
Na 330.237	94.1273	ppb	137.288	145.9	16.7745
Ni 231.604	19.0136	ppb	1.1591	6.1	49.6644
Pb 220.353	124.875	ppb	1.5024	1.2	176.314
Sb 206.834	0.8993	ppb	2.8025	311.6	3.4243
Se 196.026	3.5777	ppb	6.4779	181.1	4.3611
Sn 189.925	4.9222	ppb	2.5673	52.2	-2.1366
Sr 216.596	7.3269	ppb	0.1955	2.7	107.703
Ti 334.941	1546.73	ppb	11.2311	0.7	429143
Tl 190.794	1.3410	ppb	0.9271	69.1	-7.2122
V 292.401	49.2983	ppb	0.4036	0.8	1300.09
Zn 206.200	47.3704	ppb	0.2168	0.5	42.9439

Cont Calib Verif (CCV) **10/15/2014, 2:03:40 PM** **Rack 1, Tube 49**

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

Label	Replicates Concentration		
Ag 328.068	495.281	496.176	494.722
Al 308.215	4854.02	4804.27	4845.53
As 188.980	462.522	462.986	471.416
B 249.678	483.217	484.356	486.826
Ba 389.178	4886.57	4871.72	4879.78
Be 313.042	492.655	488.715	494.109
Ca 370.602	4969	4952	4954
Cd 226.502	494.721	491.455	492.326
Co 228.615	502.708	499.427	500.755
Cr 267.716	4921.52	4905.94	4917.22
Cu 324.754	4946.74	5052.50	5009.75
Fe 271.441	4936.12	4929.03	4927.59
K 766.491	10109.0	10127.8	10101.0
Mg 279.078	4913.75	4888.05	4900.10
Mn 257.610	5034.27	5016.98	5030.65
Mo 202.032	493.166	491.361	494.679
Na 330.237	7514.02	7564.54	7697.95

Label	Replicates Concentration		
Ni 231.604	2505.74	2497.55	2498.17
Pb 220.353	502.633	498.085	497.390
Sb 206.834	933.757	931.261	935.859
Se 196.026	4862.76	4865.73	4866.41
Sn 189.925	4967.82	4947.57	4932.16
Sr 216.596	2456.87	2439.89	2447.44
Ti 334.941	488.396	487.588	487.996
Tl 190.794	5033.73	5025.35	5016.96
V 292.401	4898.65	4889.00	4893.48
Zn 206.200	2466.85	2460.44	2448.83

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Ag 328.068	495.393	ppb	0.7331	0.1	38261.7	99.07857
Al 308.215	4834.61	ppb	26.6153	0.6	32897.1	96.69211
As 188.980	465.641	ppb	5.0063	1.1	247.298	93.12827
B 249.678	484.800	ppb	1.8447	0.4	7368.32	96.95992
Ba 389.178	4879.36	ppb	7.4359	0.2	98929.5	97.58713
Be 313.042	491.826	ppb	2.7910	0.6	800538	98.36529
Ca 370.602	4958	ppb	9.420	0.2	11735	99.16423
Cd 226.502	492.834	ppb	1.6912	0.3	18474.8	98.56673
Co 228.615	500.963	ppb	1.6504	0.3	5225.93	100.19264
Cr 267.716	4914.90	ppb	8.0457	0.2	243891	98.29793
Cu 324.754	5003.00	ppb	53.2019	1.1	351095	100.05995
Fe 271.441	4930.91	ppb	4.5635	0.1	7048.99	98.61826
K 766.491	10112.6	ppb	13.7773	0.1	432924	101.12612
Mg 279.078	4900.63	ppb	12.8560	0.3	11831.2	98.01263
Mn 257.610	5027.30	ppb	9.1203	0.2	1039695	100.54601
Mo 202.032	493.068	ppb	1.6610	0.3	3052.50	98.61366
Na 330.237	7592.17	ppb	95.0277	1.3	322.427	101.22897
Ni 231.604	2500.49	ppb	4.5618	0.2	6921.27	100.01952
Pb 220.353	499.370	ppb	2.8475	0.6	715.712	99.87393
Sb 206.834	933.626	ppb	2.3016	0.2	1276.95	93.36260
Se 196.026	4864.97	ppb	1.9426	0.0	1876.82	97.29935
Sn 189.925	4949.18	ppb	17.8873	0.4	3248.64	98.98367
Sr 216.596	2448.07	ppb	8.5091	0.3	26689.7	97.92268
Ti 334.941	487.993	ppb	0.4040	0.1	135356	97.59868
Tl 190.794	5025.35	ppb	8.3870	0.2	4915.26	100.50697
V 292.401	4893.71	ppb	4.8318	0.1	126550	97.87421
Zn 206.200	2458.71	ppb	9.1355	0.4	2206.60	98.34824

Cont Calib Blank (CCB) **10/15/2014, 2:07:55 PM** **Rack 1, Tube 50**

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

Label	Replicates Concentration		
Ag 328.068	0.3805	0.0177	-0.0161u
Al 308.215	8.3955	8.7214	10.4017
As 188.980	4.7623	1.9795	8.1615
B 249.678	8.8488	7.5205	7.0238
Ba 389.178	-0.1383u	0.1564	0.0443
Be 313.042	0.0421	0.0455	0.0428
Ca 370.602	-0.0527u	4.893	2.202
Cd 226.502	-0.0157u	0.0143	0.0839
Co 228.615	-0.1550u	-0.0754u	0.0722
Cr 267.716	0.2890	0.3338	0.4046

Label	Replicates Concentration		
Cu 324.754	0.2135	0.4270	0.4924
Fe 271.441	-1.5238u	-2.6689u	0.2770
K 766.491	-0.4307u	0.3568	0.3861
Mg 279.078	-0.8751u	2.4909	2.1132
Mn 257.610	0.4000	0.4705	0.4779
Mo 202.032	1.5644	0.7284	0.3278
Na 330.237	-5.0053u	-6.6390u	92.7746
Ni 231.604	0.4256	-0.0219u	-0.3547u
Pb 220.353	-0.5353u	3.2529	2.2717
Sb 206.834	4.5361	5.5286	4.5275
Se 196.026	-1.4423u	1.7616	11.5441
Sn 189.925	0.0387	1.0976	-1.0163u
Sr 216.596	0.0664	0.0352	0.7042
Ti 334.941	0.2761	0.3052	0.2850
Tl 190.794	1.8063	2.4236	0.9283
V 292.401	0.5995	0.4629	0.5042
Zn 206.200	0.2166	1.7954	0.9023

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Ag 328.068	0.1274	ppb	0.2199	172.6	-0.6088	0.12739
Al 308.215	9.1729	ppb	1.0766	11.7	455.172	9.17288
As 188.980	4.9677	ppb	3.0961	62.3	0.2530	4.96774
B 249.678	7.7977	ppb	0.9436	12.1	153.437	7.79767
Ba 389.178	0.0208	ppb	0.1487	715.4	-50.3550	0.02079
Be 313.042	0.0435	ppb	0.0018	4.1	-246.379	0.04347
Ca 370.602	2.347	ppb	2.476	105.5	16.65	2.34733
Cd 226.502	0.0275	ppb	0.0511	186.0	14.2381	0.02748
Co 228.615	-0.0527	ppb	0.1153	218.6	2.5851	-0.05273
Cr 267.716	0.3425	ppb	0.0583	17.0	48.1221	0.34246
Cu 324.754	0.3777	ppb	0.1459	38.6	276.410	0.37766
Fe 271.441	-1.3052	ppb	1.4850	113.8	5.0035	-1.30523
K 766.491	0.1041	ppb	0.4634	445.2	329.535	0.10408
Mg 279.078	1.2430	ppb	1.8440	148.4	21.9403	1.24302
Mn 257.610	0.4495	ppb	0.0430	9.6	133.654	0.44948
Mo 202.032	0.8736	ppb	0.6309	72.2	11.6808	0.87355
Na 330.237	27.0435	ppb	56.9307	210.5	23.3128	27.04349
Ni 231.604	0.0163	ppb	0.3915	2397.7	-4.7316	0.01633
Pb 220.353	1.6631	ppb	1.9661	118.2	2.8060	1.66313
Sb 206.834	4.8640	ppb	0.5755	11.8	7.5227	4.86404
Se 196.026	3.9545	ppb	6.7652	171.1	4.2627	3.95446
Sn 189.925	0.0400	ppb	1.0569	2643.4	-5.3465	0.03998
Sr 216.596	0.2686	ppb	0.3776	140.6	5.3102	0.26860
Ti 334.941	0.2888	ppb	0.0149	5.2	18.2589	0.28878
Tl 190.794	1.7194	ppb	0.7515	43.7	-4.2828	1.71938
V 292.401	0.5222	ppb	0.0701	13.4	6.2837	0.52219
Zn 206.200	0.9714	ppb	0.7917	81.5	2.0822	0.97141

680-106108-a-46-a (Samp) **10/15/2014, 2:12:10 PM** **Rack 1, Tube 51**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Replicates Concentration		
Ag 328.068	2.8777	2.6857	2.3539
Al 308.215	12153.6	11479.2	11080.3
As 188.980	2.8991	5.8776	2.7358

Label	Replicates Concentration		
B 249.678	4.7511	4.6790	4.9221
Ba 389.178	167.013	158.716	153.843
Be 313.042	0.3463	0.3208	0.3140
Ca 370.602	1841	1728	1666
Cd 226.502	-0.3764	-0.4444	-0.4214
Co 228.615	9.7732	9.8271	8.7762
Cr 267.716	43.8531	41.1455	39.9951
Cu 324.754	28.6507	26.7828	25.9852
Fe 271.441	21380.1	20123.4	19404.1
K 766.491	9608.50	9117.57	8843.20
Mg 279.078	9067.62	8523.22	8230.40
Mn 257.610	413.492	392.280	380.022
Mo 202.032	0.8075	0.7678	0.5227
Na 330.237	208.530	226.264	233.000
Ni 231.604	22.7497	21.7863	21.5337
Pb 220.353	5.7964	4.2684	5.7965
Sb 206.834	2.0265	2.5026	-0.1786
Se 196.026	-3.5029u	13.2704	2.9104
Sn 189.925	-0.8855u	2.3207	6.5197
Sr 216.596	7.7803	6.1602	6.3936
Ti 334.941	1727.97	1625.61	1570.42
Tl 190.794	3.3307	-0.7894u	4.9622
V 292.401	51.2994	48.3313	46.2188
Zn 206.200	64.5875	60.1491	57.2194

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	2.6391	ppb	0.2650	10.0	192.140
Al 308.215	11571.0	ppb	542.542	4.7	77002.2
As 188.980	3.8375	ppb	1.7687	46.1	-0.3627
B 249.678	4.7841	ppb	0.1249	2.6	65.3450
Ba 389.178	159.857	ppb	6.6586	4.2	3212.45
Be 313.042	0.3270	ppb	0.0170	5.2	217.725
Ca 370.602	1745	ppb	88.96	5.1	4439
Cd 226.502	-0.4141	ppb	0.0346	8.4	70.2128
Co 228.615	9.4588	ppb	0.5918	6.3	134.373
Cr 267.716	41.6646	ppb	1.9807	4.8	2112.11
Cu 324.754	27.1396	ppb	1.3681	5.0	2161.08
Fe 271.441	20302.5	ppb	1000.12	4.9	28599.8
K 766.491	9189.76	ppb	387.725	4.2	393446
Mg 279.078	8607.08	ppb	424.862	4.9	20918.7
Mn 257.610	395.265	ppb	16.9336	4.3	81898.7
Mo 202.032	0.6994	ppb	0.1542	22.1	9.6900
Na 330.237	222.598	ppb	12.6402	5.7	23.1762
Ni 231.604	22.0232	ppb	0.6417	2.9	57.7550
Pb 220.353	5.2871	ppb	0.8822	16.7	5.9511
Sb 206.834	1.4502	ppb	1.4305	98.6	4.0701
Se 196.026	4.2260	ppb	8.4637	200.3	4.5963
Sn 189.925	2.6516	ppb	3.7137	140.1	-3.6294
Sr 216.596	6.7781	ppb	0.8758	12.9	98.2805
Ti 334.941	1641.33	ppb	79.9402	4.9	455395
Tl 190.794	2.5012	ppb	2.9642	118.5	-5.6686
V 292.401	48.6165	ppb	2.5523	5.2	1282.60
Zn 206.200	60.6520	ppb	3.7097	6.1	55.0441

680-106108-a-47-a (Samp) **10/15/2014, 2:16:25 PM** **Rack 1, Tube 52**

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

Label	Replicates Concentration		
Ag 328.068	-0.3038u	-0.4586u	-0.1709u
Al 308.215	11413.6	11392.9	11415.9
As 188.980	5.1333	4.5646	8.8107
B 249.678	2.5025u	2.4799u	2.4916u
Ba 389.178	167.875	166.825	166.365
Be 313.042	0.2885	0.2775	0.2747
Ca 370.602	1954	1949	1937
Cd 226.502	-0.4839	-0.5212	-0.3447
Co 228.615	8.7927	9.4752	9.5726
Cr 267.716	36.8654	36.8777	36.5284
Cu 324.754	33.5420	33.2368	33.4448
Fe 271.441	20457.0	20377.2	20403.4
K 766.491	8789.25	8799.06	8826.59
Mg 279.078	8233.31	8199.47	8219.75
Mn 257.610	376.427	375.027	375.159
Mo 202.032	-0.1523u	0.7057	0.0064u
Na 330.237	192.253	47.2671u	92.9682u
Ni 231.604	18.8793	19.3521	19.0623
Pb 220.353	3.3856	3.4921	3.7522
Sb 206.834	-2.1072u	-0.3843	0.7738
Se 196.026	3.7381	8.4575	8.7353
Sn 189.925	8.0791	2.9316	0.0134
Sr 216.596	7.5337	6.8606	7.3590
Ti 334.941	1519.00	1516.89	1516.18
Tl 190.794	1.0586u	-3.5763u	-2.0152u
V 292.401	50.4978	50.5320	50.1181
Zn 206.200	44.6454	41.3518	42.5896

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.3111	ppb	0.1440	46.3	-36.1356
Al 308.215	11407.5	ppb	12.6348	0.1	75920.2
As 188.980	6.1695	ppb	2.3049	37.4	0.8867
B 249.678	2.4913	ppb	0.0113	0.5	30.4132
Ba 389.178	167.022	ppb	0.7742	0.5	3357.32
Be 313.042	0.2802	ppb	0.0073	2.6	141.821
Ca 370.602	1947	ppb	8.652	0.4	4861
Cd 226.502	-0.4499	ppb	0.0930	20.7	69.2653
Co 228.615	9.2801	ppb	0.4250	4.6	130.191
Cr 267.716	36.7572	ppb	0.1982	0.5	1868.30
Cu 324.754	33.4079	ppb	0.1559	0.5	2600.71
Fe 271.441	20412.5	ppb	40.6948	0.2	28754.6
K 766.491	8804.97	ppb	19.3553	0.2	376985
Mg 279.078	8217.51	ppb	17.0331	0.2	19972.7
Mn 257.610	375.538	ppb	0.7730	0.2	77816.8
Mo 202.032	0.1866	ppb	0.4565	244.6	6.5105
Na 330.237	110.829	ppb	74.1248	66.9	18.4926
Ni 231.604	19.0979	ppb	0.2384	1.2	49.6611
Pb 220.353	3.5433	ppb	0.1886	5.3	3.5096
Sb 206.834	-0.5726	ppb	1.4497	253.2	1.3676
Se 196.026	6.9770	ppb	2.8084	40.3	5.6526
Sn 189.925	3.6747	ppb	4.0839	111.1	-2.9568
Sr 216.596	7.2511	ppb	0.3493	4.8	103.715

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ti 334.941	1517.36	ppb	1.4646	0.1	420993
Tl 190.794	-1.5110	ppb	2.3582	156.1	-9.6099
V 292.401	50.3827	ppb	0.2297	0.5	1326.91
Zn 206.200	42.8623	ppb	1.6637	3.9	39.0028

680-106108-a-48-a (Samp) **10/15/2014, 2:20:41 PM** **Rack 1, Tube 53**

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

Label	Replicates Concentration		
Ag 328.068	-0.1692u	-0.2782u	-0.0848u
Al 308.215	8363.54	8339.07	8335.34
As 188.980	4.8907	5.2034	3.5174
B 249.678	1.8108u	1.8286u	2.6578
Ba 389.178	106.771	106.554	107.600
Be 313.042	0.2779	0.2946	0.2812
Ca 370.602	1583	1584	1591
Cd 226.502	-0.2960	-0.3757	-0.2447
Co 228.615	6.8351	7.0657	6.3606
Cr 267.716	28.1465	28.3447	27.8964
Cu 324.754	18.1643	18.0114	18.5430
Fe 271.441	19135.1	19102.4	19105.8
K 766.491	6060.08	6039.65	6052.13
Mg 279.078	5602.40	5602.65	5595.40
Mn 257.610	254.116	253.997	253.868
Mo 202.032	2.1379	2.9183	2.1575
Na 330.237	41.5632u	-88.5594u	16.3449u
Ni 231.604	13.3399	13.6481	12.7606
Pb 220.353	11.1032	10.7172	14.2234
Sb 206.834	-0.1767	0.4225	-1.3753u
Se 196.026	6.9088	5.5408	2.7224
Sn 189.925	4.9423	4.8149	5.8842
Sr 216.596	5.4664	5.3874	4.9957
Ti 334.941	993.072	990.739	991.540
Tl 190.794	3.6605	0.4608u	-2.2179u
V 292.401	34.8175	34.0718	34.7137
Zn 206.200	33.1951	33.4050	33.1116

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.1774	ppb	0.0969	54.6	-26.1134
Al 308.215	8345.98	ppb	15.3156	0.2	55657.8
As 188.980	4.5372	ppb	0.8969	19.8	-0.0087
B 249.678	2.0991	ppb	0.4840	23.1	27.1957
Ba 389.178	106.975	ppb	0.5519	0.5	2135.51
Be 313.042	0.2846	ppb	0.0088	3.1	147.782
Ca 370.602	1586	ppb	4.671	0.3	3849
Cd 226.502	-0.3055	ppb	0.0660	21.6	70.0204
Co 228.615	6.7538	ppb	0.3595	5.3	93.6481
Cr 267.716	28.1292	ppb	0.2246	0.8	1438.14
Cu 324.754	18.2395	ppb	0.2737	1.5	1536.64
Fe 271.441	19114.4	ppb	17.9908	0.1	26926.1
K 766.491	6050.62	ppb	10.3005	0.2	259159
Mg 279.078	5600.15	ppb	4.1152	0.1	13617.0
Mn 257.610	253.994	ppb	0.1239	0.0	52659.7
Mo 202.032	2.4046	ppb	0.4450	18.5	20.3072

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Na 330.237	-10.2171	ppb	69.0082	675.4	14.2712
Ni 231.604	13.2495	ppb	0.4506	3.4	33.3674
Pb 220.353	12.0146	ppb	1.9226	16.0	15.9174
Sb 206.834	-0.3765	ppb	0.9154	243.1	1.4590
Se 196.026	5.0573	ppb	2.1347	42.2	4.8805
Sn 189.925	5.2138	ppb	0.5840	11.2	-1.9449
Sr 216.596	5.2832	ppb	0.2521	4.8	80.8124
Ti 334.941	991.784	ppb	1.1853	0.1	275152
Tl 190.794	0.6345	ppb	2.9431	463.9	-7.4523
V 292.401	34.5344	ppb	0.4039	1.2	907.899
Zn 206.200	33.2373	ppb	0.1512	0.5	30.3911

680-106108-a-49-a (Samp) **10/15/2014, 2:24:56 PM** **Rack 1, Tube 54**

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

Label	Replicates Concentration		
Ag 328.068	-0.2452u	-0.4386u	-0.4988u
Al 308.215	12212.2	12259.8	12220.4
As 188.980	6.1589	4.7055	2.9779
B 249.678	1.2487u	1.0132u	1.6945u
Ba 389.178	166.790	169.534	168.231
Be 313.042	0.3168	0.3148	0.3118
Ca 370.602	2101	2119	2106
Cd 226.502	-0.4218	-0.4431	-0.4014
Co 228.615	10.6087	10.8301	10.8979
Cr 267.716	41.2552	41.2547	41.2602
Cu 324.754	29.4870	29.6111	29.6027
Fe 271.441	21742.3	21837.0	21762.0
K 766.491	8531.51	8585.49	8553.92
Mg 279.078	8630.41	8674.06	8628.32
Mn 257.610	381.767	383.093	382.172
Mo 202.032	0.6723	-0.0342u	0.5136
Na 330.237	156.081u	84.1717u	-6.8280u
Ni 231.604	20.8207	20.7854	21.8081
Pb 220.353	0.2568u	1.1772u	3.2549
Sb 206.834	5.0385	2.9203	1.5109
Se 196.026	1.0175	-4.8370u	0.3959
Sn 189.925	1.3818	2.4629	9.7124
Sr 216.596	7.3276	7.7089	7.0391
Ti 334.941	1581.99	1589.51	1584.95
Tl 190.794	-2.2789u	-0.9200u	1.3393u
V 292.401	53.2021	53.1885	53.0866
Zn 206.200	45.7224	46.6849	46.3039

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.3942	ppb	0.1325	33.6	-42.7532
Al 308.215	12230.8	ppb	25.4287	0.2	81371.0
As 188.980	4.6141	ppb	1.5925	34.5	0.0517
B 249.678	1.3188	ppb	0.3460	26.2	9.8561
Ba 389.178	168.185	ppb	1.3729	0.8	3382.14
Be 313.042	0.3145	ppb	0.0025	0.8	197.759
Ca 370.602	2109	ppb	9.083	0.4	5245
Cd 226.502	-0.4221	ppb	0.0209	4.9	75.2124
Co 228.615	10.7789	ppb	0.1513	1.4	147.169

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Cr 267.716	41.2567	ppb	0.0030	0.0	2092.32
Cu 324.754	29.5669	ppb	0.0694	0.2	2331.86
Fe 271.441	21780.4	ppb	49.9547	0.2	30681.2
K 766.491	8556.98	ppb	27.1163	0.3	366377
Mg 279.078	8644.26	ppb	25.8305	0.3	21009.1
Mn 257.610	382.344	ppb	0.6797	0.2	79231.2
Mo 202.032	0.3839	ppb	0.3707	96.6	7.6698
Na 330.237	77.8083	ppb	81.6408	104.9	16.3690
Ni 231.604	21.1381	ppb	0.5805	2.7	55.4142
Pb 220.353	1.5630	ppb	1.5358	98.3	0.5658
Sb 206.834	3.1566	ppb	1.7756	56.3	6.3660
Se 196.026	-1.1412	ppb	3.2157	281.8	2.5387
Sn 189.925	4.5190	ppb	4.5300	100.2	-2.4017
Sr 216.596	7.3585	ppb	0.3359	4.6	106.359
Ti 334.941	1585.48	ppb	3.7899	0.2	439897
Tl 190.794	-0.6199	ppb	1.8277	294.9	-8.8929
V 292.401	53.1591	ppb	0.0631	0.1	1400.11
Zn 206.200	46.2371	ppb	0.4847	1.0	41.9837

680-106108-a-50-a (Samp) **10/15/2014, 2:29:12 PM** **Rack 1, Tube 55**

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

Label	Replicates Concentration		
Ag 328.068	-0.3561u	-0.3603u	-0.2308u
Al 308.215	9671.63	9648.67	9692.22
As 188.980	4.5766	3.9259	4.2502
B 249.678	1.3070u	1.8382u	1.4934u
Ba 389.178	147.150	147.735	147.778
Be 313.042	0.2285	0.2281	0.2279
Ca 370.602	1504	1514	1520
Cd 226.502	-0.2697	0.0403	-0.2185
Co 228.615	6.9363	7.6768	8.4000
Cr 267.716	31.2048	31.1640	31.6613
Cu 324.754	78.3691	77.1811	77.6226
Fe 271.441	17119.6	17100.4	17112.3
K 766.491	7538.74	7508.77	7546.27
Mg 279.078	6915.19	6915.03	6946.32
Mn 257.610	311.578	311.171	312.234
Mo 202.032	0.1854	0.5133	0.3816
Na 330.237	112.162u	19.9043u	-71.1095u
Ni 231.604	20.0948	18.0318	19.6330
Pb 220.353	146.445	144.498	145.969
Sb 206.834	2.8966	2.7500	3.6241
Se 196.026	4.0055	4.4209	4.1200
Sn 189.925	2.9128	2.9250	5.3105
Sr 216.596	6.4419	6.9427	6.5027
Ti 334.941	1333.56	1329.08	1334.84
Tl 190.794	-3.0666u	-1.1816u	-0.7151u
V 292.401	41.7667	41.3196	41.3296
Zn 206.200	42.6810	42.3273	44.7562

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.3157	ppb	0.0736	23.3	-36.2568
Al 308.215	9670.84	ppb	21.7856	0.2	64421.9

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
As 188.980	4.2509	ppb	0.3253	7.7	-0.1397
B 249.678	1.5462	ppb	0.2695	17.4	23.2263
Ba 389.178	147.554	ppb	0.3511	0.2	2959.17
Be 313.042	0.2281	ppb	0.0003	0.1	56.4432
Ca 370.602	1513	ppb	8.474	0.6	3819
Cd 226.502	-0.1493	ppb	0.1662	111.3	68.4959
Co 228.615	7.6711	ppb	0.7319	9.5	109.470
Cr 267.716	31.3434	ppb	0.2761	0.9	1597.57
Cu 324.754	77.7243	ppb	0.6005	0.8	5707.66
Fe 271.441	17110.8	ppb	9.7108	0.1	24104.6
K 766.491	7531.26	ppb	19.8411	0.3	322499
Mg 279.078	6925.51	ppb	18.0184	0.3	16835.5
Mn 257.610	311.661	ppb	0.5365	0.2	64588.6
Mo 202.032	0.3601	ppb	0.1650	45.8	7.7365
Na 330.237	20.3189	ppb	91.6365	451.0	15.3264
Ni 231.604	19.2532	ppb	1.0827	5.6	49.8392
Pb 220.353	145.637	ppb	1.0150	0.7	206.426
Sb 206.834	3.0903	ppb	0.4681	15.1	6.0283
Se 196.026	4.1822	ppb	0.2145	5.1	4.5386
Sn 189.925	3.7161	ppb	1.3808	37.2	-2.9296
Sr 216.596	6.6291	ppb	0.2733	4.1	93.1320
Ti 334.941	1332.49	ppb	3.0255	0.2	369694
Tl 190.794	-1.6544	ppb	1.2450	75.3	-9.3968
V 292.401	41.4720	ppb	0.2553	0.6	1092.05
Zn 206.200	43.2548	ppb	1.3122	3.0	39.4999

680-106108-a-51-a (Samp) **10/15/2014, 2:33:28 PM** **Rack 1, Tube 56**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Replicates Concentration		
Ag 328.068	-0.2852u	-0.3667u	-0.2121u
Al 308.215	11184.2	11190.3	11210.5
As 188.980	8.2956	0.8181	3.1247
B 249.678	1.2509u	0.9581u	1.3732u
Ba 389.178	162.374	162.707	162.691
Be 313.042	0.2712	0.2710	0.2814
Ca 370.602	1648	1644	1637
Cd 226.502	0.0017	-0.0037	-0.2430
Co 228.615	9.7237	9.4403	9.6917
Cr 267.716	39.3940	39.2349	39.3591
Cu 324.754	48.8607	48.7295	49.5256
Fe 271.441	19895.2	19873.8	19919.9
K 766.491	8652.99	8627.28	8640.21
Mg 279.078	8066.10	8072.48	8062.15
Mn 257.610	359.608	359.285	359.535
Mo 202.032	0.6062	0.4372	0.6241
Na 330.237	210.507	106.131u	91.2454u
Ni 231.604	20.8919	21.2551	21.7878
Pb 220.353	83.7202	82.4709	83.0468
Sb 206.834	3.2206	5.2817	4.3334
Se 196.026	6.4231	0.5504	5.4335
Sn 189.925	3.0416	5.0771	5.8933
Sr 216.596	7.8346	8.0597	8.0305
Ti 334.941	1498.33	1498.92	1501.09

Label	Replicates Concentration		
Tl 190.794	1.3277u	2.1381u	2.2472
V 292.401	46.2391	46.5196	46.5536
Zn 206.200	49.4115	49.7620	50.0419

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.2880	ppb	0.0773	26.9	-34.3693
Al 308.215	11195.0	ppb	13.8023	0.1	74512.9
As 188.980	4.0795	ppb	3.8291	93.9	-0.2336
B 249.678	1.1941	ppb	0.2133	17.9	12.0699
Ba 389.178	162.591	ppb	0.1874	0.1	3266.97
Be 313.042	0.2745	ppb	0.0060	2.2	132.195
Ca 370.602	1643	ppb	5.363	0.3	4153
Cd 226.502	-0.0817	ppb	0.1397	171.1	81.0052
Co 228.615	9.6186	ppb	0.1552	1.6	133.121
Cr 267.716	39.3293	ppb	0.0837	0.2	1995.58
Cu 324.754	49.0386	ppb	0.4268	0.9	3696.84
Fe 271.441	19896.3	ppb	23.0990	0.1	28027.6
K 766.491	8640.16	ppb	12.8560	0.1	369935
Mg 279.078	8066.91	ppb	5.2089	0.1	19607.2
Mn 257.610	359.476	ppb	0.1694	0.0	74492.7
Mo 202.032	0.5559	ppb	0.1031	18.5	8.8239
Na 330.237	135.961	ppb	64.9863	47.8	19.7000
Ni 231.604	21.3116	ppb	0.4506	2.1	55.7491
Pb 220.353	83.0793	ppb	0.6253	0.8	116.972
Sb 206.834	4.2785	ppb	1.0316	24.1	7.7597
Se 196.026	4.1357	ppb	3.1442	76.0	4.5509
Sn 189.925	4.6707	ppb	1.4687	31.4	-2.3020
Sr 216.596	7.9749	ppb	0.1224	1.5	110.829
Ti 334.941	1499.45	ppb	1.4495	0.1	416023
Tl 190.794	1.9044	ppb	0.5024	26.4	-6.2174
V 292.401	46.4375	ppb	0.1726	0.4	1223.86
Zn 206.200	49.7385	ppb	0.3158	0.6	45.2225

CRI (Samp) **10/15/2014, 2:37:44 PM** **Rack 1, Tube 57**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Replicates Concentration		
Ag 328.068	10.3816	10.5208	10.8449
Al 308.215	216.110	212.454	217.071
As 188.980	27.4718	30.2372	25.8478
B 249.678	102.454	102.132	102.878
Ba 389.178	10.0574	10.1864	10.0386
Be 313.042	4.2072	4.1846	4.2018
Ca 370.602	529.1	524.8	530.1
Cd 226.502	5.1600	5.2118	5.1660
Co 228.615	10.2735	10.5718	10.2387
Cr 267.716	10.4266	10.4321	10.5589
Cu 324.754	21.7551	21.2390	21.4583
Fe 271.441	53.9898	51.7388	55.3493
K 766.491	1082.41	1073.77	1080.24
Mg 279.078	514.471	516.180	517.515
Mn 257.610	11.2473	11.2382	11.3252
Mo 202.032	10.3607	9.6988	10.3758
Na 330.237	948.963	756.361	917.972

Label	Replicates Concentration		
Ni 231.604	42.6781	41.8153	43.4720
Pb 220.353	13.5327	13.5252	10.6921
Sb 206.834	22.9802	22.3639	25.6513
Se 196.026	18.3054	27.5932	24.2439
Sn 189.925	52.1956	55.6309	56.7762
Sr 216.596	9.9628	9.7617	9.8159
Ti 334.941	10.8777	10.6454	10.7752
Tl 190.794	26.1973	26.4848	25.9057
V 292.401	10.4430	10.2248	10.3492
Zn 206.200	21.5243	19.2741	21.8725

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	10.5824	ppb	0.2377	2.2	807.756
Al 308.215	215.212	ppb	2.4360	1.1	1820.09
As 188.980	27.8523	ppb	2.2193	8.0	12.5295
B 249.678	102.488	ppb	0.3743	0.4	1585.39
Ba 389.178	10.0941	ppb	0.0804	0.8	154.685
Be 313.042	4.1979	ppb	0.0118	0.3	6516.19
Ca 370.602	528.0	ppb	2.824	0.5	1235
Cd 226.502	5.1793	ppb	0.0283	0.5	207.227
Co 228.615	10.3614	ppb	0.1831	1.8	111.027
Cr 267.716	10.4725	ppb	0.0748	0.7	550.761
Cu 324.754	21.4841	ppb	0.2590	1.2	1756.98
Fe 271.441	53.6926	ppb	1.8235	3.4	83.6499
K 766.491	1078.81	ppb	4.4911	0.4	46474.5
Mg 279.078	516.055	ppb	1.5259	0.3	1272.41
Mn 257.610	11.2702	ppb	0.0478	0.4	2375.22
Mo 202.032	10.1451	ppb	0.3866	3.8	69.0444
Na 330.237	874.432	ppb	103.420	11.8	63.3032
Ni 231.604	42.6551	ppb	0.8286	1.9	113.367
Pb 220.353	12.5834	ppb	1.6379	13.0	18.3623
Sb 206.834	23.6651	ppb	1.7475	7.4	32.2784
Se 196.026	23.3808	ppb	4.7036	20.1	11.7446
Sn 189.925	54.8676	ppb	2.3838	4.3	30.7020
Sr 216.596	9.8468	ppb	0.1040	1.1	109.051
Ti 334.941	10.7661	ppb	0.1164	1.1	2926.33
Tl 190.794	26.1959	ppb	0.2895	1.1	19.6570
V 292.401	10.3390	ppb	0.1095	1.1	259.004
Zn 206.200	20.8903	ppb	1.4105	6.8	20.0244

Cont Calib Verif (CCV) **10/15/2014, 2:44:14 PM** **Rack 2, Tube 1**

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

Label	Replicates Concentration		
Ag 328.068	498.865	494.454	491.233
Al 308.215	4812.71	4789.20	4766.47
As 188.980	462.833	459.828	458.311
B 249.678	483.317	484.601	486.070
Ba 389.178	4882.20	4844.94	4828.01
Be 313.042	490.892	488.784	487.290
Ca 370.602	5211	5202	5189
Cd 226.502	486.693	484.651	480.736
Co 228.615	508.017	505.488	504.364
Cr 267.716	4948.80	4920.66	4905.78

Label	Replicates Concentration		
Cu 324.754	5021.74	5006.26	4929.01
Fe 271.441	4951.56	4918.62	4923.66
K 766.491	10148.8	10115.5	10088.9
Mg 279.078	4923.21	4908.24	4883.07
Mn 257.610	5079.04	5067.15	5042.23
Mo 202.032	491.747	490.920	489.432
Na 330.237	7456.72	7254.39	7074.73
Ni 231.604	2515.15	2512.30	2496.13
Pb 220.353	507.300	503.689	501.239
Sb 206.834	926.966	917.989	924.983
Se 196.026	4748.19	4727.83	4708.76
Sn 189.925	4993.84	4978.30	4965.18
Sr 216.596	2419.57	2409.23	2393.35
Ti 334.941	488.021	485.322	482.602
Tl 190.794	5026.46	5015.10	4999.51
V 292.401	4901.69	4870.49	4857.71
Zn 206.200	2473.29	2459.71	2448.69

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Ag 328.068	494.851	ppb	3.8314	0.8	38223.0	98.97015
Al 308.215	4789.46	ppb	23.1205	0.5	32592.6	95.78919
As 188.980	460.324	ppb	2.3013	0.5	244.447	92.06480
B 249.678	484.662	ppb	1.3772	0.3	7366.09	96.93250
Ba 389.178	4851.72	ppb	27.7254	0.6	98368.8	97.03436
Be 313.042	488.989	ppb	1.8098	0.4	795917	97.79779
Ca 370.602	5200	ppb	10.87	0.2	12291	104.00904
Cd 226.502	484.027	ppb	3.0275	0.6	18145.0	96.80534
Co 228.615	505.956	ppb	1.8711	0.4	5277.78	101.19121
Cr 267.716	4925.08	ppb	21.8468	0.4	244397	98.50162
Cu 324.754	4985.67	ppb	49.6731	1.0	349880	99.71341
Fe 271.441	4931.28	ppb	17.7437	0.4	7048.35	98.62553
K 766.491	10117.8	ppb	30.0200	0.3	433145	101.17769
Mg 279.078	4904.84	ppb	20.2863	0.4	11842.6	98.09679
Mn 257.610	5062.81	ppb	18.7869	0.4	1047037	101.25618
Mo 202.032	490.700	ppb	1.1729	0.2	3037.91	98.14000
Na 330.237	7261.95	ppb	191.105	2.6	307.242	96.82597
Ni 231.604	2507.86	ppb	10.2604	0.4	6941.70	100.31436
Pb 220.353	504.076	ppb	3.0490	0.6	722.341	100.81520
Sb 206.834	923.312	ppb	4.7158	0.5	1262.20	92.33122
Se 196.026	4728.26	ppb	19.7152	0.4	1824.17	94.56521
Sn 189.925	4979.11	ppb	14.3508	0.3	3268.32	99.58213
Sr 216.596	2407.38	ppb	13.2078	0.5	26245.8	96.29530
Ti 334.941	485.315	ppb	2.7096	0.6	134612	97.06297
Tl 190.794	5013.69	ppb	13.5333	0.3	4903.77	100.27382
V 292.401	4876.63	ppb	22.6261	0.5	126114	97.53261
Zn 206.200	2460.56	ppb	12.3238	0.5	2208.59	98.42252

Cont Calib Blank (CCB) **10/15/2014, 2:48:29 PM** **Rack 2, Tube 2**

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

Label	Replicates Concentration		
Ag 328.068	0.0296	-0.1525u	0.1462
Al 308.215	6.7231	8.5965	8.9505
As 188.980	1.3386	6.8385	0.6984

Label	Replicates Concentration		
B 249.678	9.4793	8.4954	7.1764
Ba 389.178	-0.6717u	0.4402	0.0177
Be 313.042	0.0402	0.0396	0.0367
Ca 370.602	2.947	-0.0025	2.927
Cd 226.502	0.0381	-0.0496u	-0.0500u
Co 228.615	-0.1947u	0.2740	-0.2374u
Cr 267.716	0.2576	0.2703	0.3382
Cu 324.754	0.3131	0.1600	0.5012
Fe 271.441	-5.4252u	3.3127	-0.9086u
K 766.491	-0.4990u	-1.1479u	-0.4923u
Mg 279.078	-0.0883u	1.3564	2.2271
Mn 257.610	0.3617	0.3864	0.4192
Mo 202.032	0.7584	0.8603	0.4736
Na 330.237	-45.9985u	-105.137u	27.9557
Ni 231.604	0.7530	0.0001u	0.7342
Pb 220.353	0.6239	0.2236	2.1650
Sb 206.834	6.5187	4.7374	2.0829
Se 196.026	6.1964	2.6572	5.0743
Sn 189.925	3.8466	-0.7093u	3.7816
Sr 216.596	0.6490	-0.2373u	0.2836
Ti 334.941	0.1302	0.1424	0.1705
Tl 190.794	1.0234	1.1718	3.8818
V 292.401	0.3488	0.6233	0.2472
Zn 206.200	0.5865	-0.0864u	0.7913

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Ag 328.068	0.0077	ppb	0.1505	1947.2	-9.8694	0.00773
Al 308.215	8.0900	ppb	1.1970	14.8	447.972	8.09002
As 188.980	2.9585	ppb	3.3754	114.1	-0.8249	2.95847
B 249.678	8.3837	ppb	1.1555	13.8	162.295	8.38369
Ba 389.178	-0.0713	ppb	0.5613	787.7	-52.2229	-0.07125
Be 313.042	0.0388	ppb	0.0019	4.9	-253.891	0.03884
Ca 370.602	1.957	ppb	1.697	86.7	15.69	1.95745
Cd 226.502	-0.0205	ppb	0.0507	247.2	12.4461	-0.02052
Co 228.615	-0.0527	ppb	0.2838	538.5	2.5893	-0.05270
Cr 267.716	0.2887	ppb	0.0433	15.0	45.4567	0.28868
Cu 324.754	0.3248	ppb	0.1709	52.6	272.692	0.32478
Fe 271.441	-1.0070	ppb	4.3698	433.9	5.4326	-1.00700
K 766.491	-0.7131	ppb	0.3766	52.8	294.578	-0.71309
Mg 279.078	1.1651	ppb	1.1695	100.4	21.7523	1.16508
Mn 257.610	0.3891	ppb	0.0288	7.4	121.174	0.38911
Mo 202.032	0.6975	ppb	0.2004	28.7	10.5912	0.69746
Na 330.237	-41.0600	ppb	66.6837	162.4	20.0728	-41.06001
Ni 231.604	0.4958	ppb	0.4294	86.6	-3.4035	0.49579
Pb 220.353	1.0041	ppb	1.0251	102.1	1.8667	1.00414
Sb 206.834	4.4463	ppb	2.2322	50.2	6.9782	4.44634
Se 196.026	4.6426	ppb	1.8086	39.0	4.5276	4.64265
Sn 189.925	2.3063	ppb	2.6118	113.2	-3.8565	2.30628
Sr 216.596	0.2318	ppb	0.4455	192.2	4.9026	0.23176
Ti 334.941	0.1477	ppb	0.0207	14.0	-20.8899	0.14771
Tl 190.794	2.0256	ppb	1.6092	79.4	-3.9826	2.02564
V 292.401	0.4065	ppb	0.1946	47.9	3.3313	0.40646
Zn 206.200	0.4305	ppb	0.4592	106.7	1.5940	0.43047

mb 680-353436/1-a (Samp) **10/15/2014, 2:52:45 PM** **Rack 2, Tube 3**

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

Label	Replicates Concentration		
Ag 328.068	-0.1161u	0.2311	0.2027
Al 308.215	8.9944	8.7170	8.9878
As 188.980	2.4155	0.9085	7.6343
B 249.678	4.1778	4.0354	3.0208
Ba 389.178	0.1018	0.9890	0.4553
Be 313.042	0.0138	0.0212	0.0132
Ca 370.602	14.29	15.86	17.45
Cd 226.502	0.1090	-0.1595u	-0.0638u
Co 228.615	0.1066	-0.0043u	0.1152
Cr 267.716	2.0556	2.2442	2.1498
Cu 324.754	0.5213	0.1753	0.2505
Fe 271.441	152.146	152.335	155.384
K 766.491	7.3962	7.3022	7.1380
Mg 279.078	1.6546	4.2327	1.6755
Mn 257.610	1.6551	1.6545	1.6260
Mo 202.032	0.5216	0.6784	0.2613
Na 330.237	-50.4786u	-85.6165u	-41.5357u
Ni 231.604	1.7786	1.3610	0.4482
Pb 220.353	-0.5245u	-1.6729u	1.8545
Sb 206.834	3.9208	4.6817	0.4317
Se 196.026	6.0725	1.1810	-3.2544u
Sn 189.925	11.9239	12.7091	13.1731
Sr 216.596	0.7899	-0.1222u	-0.4761u
Ti 334.941	0.2912	0.2310	0.2398
Tl 190.794	1.5798	3.0600	0.3693
V 292.401	0.1303	0.2395	0.1319
Zn 206.200	1.5432	2.2710	2.9503

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	0.1059	ppb	0.1928	182.0	-2.2851
Al 308.215	8.8997	ppb	0.1583	1.8	453.554
As 188.980	3.6528	ppb	3.5295	96.6	-0.4532
B 249.678	3.7447	ppb	0.6309	16.8	91.8210
Ba 389.178	0.5154	ppb	0.4466	86.7	-40.2498
Be 313.042	0.0161	ppb	0.0044	27.7	-290.961
Ca 370.602	15.87	ppb	1.583	10.0	46.43
Cd 226.502	-0.0381	ppb	0.1361	357.1	12.3286
Co 228.615	0.0725	ppb	0.0667	91.9	3.9061
Cr 267.716	2.1499	ppb	0.0943	4.4	137.884
Cu 324.754	0.3157	ppb	0.1820	57.6	272.116
Fe 271.441	153.288	ppb	1.8170	1.2	222.706
K 766.491	7.2788	ppb	0.1307	1.8	636.457
Mg 279.078	2.5210	ppb	1.4824	58.8	25.0230
Mn 257.610	1.6452	ppb	0.0166	1.0	381.365
Mo 202.032	0.4871	ppb	0.2107	43.2	9.2832
Na 330.237	-59.2103	ppb	23.3015	39.4	19.1191
Ni 231.604	1.1960	ppb	0.6804	56.9	-1.4521
Pb 220.353	-0.1143	ppb	1.7991	1573.9	0.2645
Sb 206.834	3.0114	ppb	2.2663	75.3	5.1156
Se 196.026	1.3330	ppb	4.6653	350.0	3.2548
Sn 189.925	12.6020	ppb	0.6314	5.0	2.9128
Sr 216.596	0.0639	ppb	0.6532	1022.8	3.2389

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ti 334.941	0.2540	ppb	0.0325	12.8	8.6276
Tl 190.794	1.6697	ppb	1.3476	80.7	-4.3484
V 292.401	0.1672	ppb	0.0626	37.5	-2.8678
Zn 206.200	2.2548	ppb	0.7037	31.2	3.2295

lcs 680-353436/2-a (Samp) **10/15/2014, 2:57:01 PM** **Rack 2, Tube 4**

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

Label	Replicates Concentration		
Ag 328.068	50.1679	49.7948	50.1089
Al 308.215	4815.43	4816.75	4808.35
As 188.980	112.051	109.190	103.803
B 249.678	189.746	189.990	189.047
Ba 389.178	97.8698	98.9269	97.6817
Be 313.042	50.5383	50.4912	50.3874
Ca 370.602	4951	4957	4946
Cd 226.502	50.1137	49.7608	50.0240
Co 228.615	49.5727	49.9071	49.7182
Cr 267.716	101.735	101.536	101.179
Cu 324.754	101.252	99.6415	101.376
Fe 271.441	5006.44	5003.51	4989.76
K 766.491	5036.95	5023.58	5022.65
Mg 279.078	4856.80	4854.02	4831.07
Mn 257.610	520.230	519.483	519.039
Mo 202.032	98.3316	99.1687	97.6643
Na 330.237	4675.04	4597.91	4596.81
Ni 231.604	100.164	100.105	99.8787
Pb 220.353	502.714	506.031	503.498
Sb 206.834	50.3051	50.1622	49.8822
Se 196.026	93.0422	100.860	95.2397
Sn 189.925	205.559	202.309	207.852
Sr 216.596	96.8107	97.9347	97.4417
Ti 334.941	99.7876	99.7698	99.5091
Tl 190.794	37.0021	38.0596	36.9536
V 292.401	99.2253	99.2986	99.3761
Zn 206.200	99.7101	103.069	101.363

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	50.0239	ppb	0.2005	0.4	3857.23
Al 308.215	4813.51	ppb	4.5204	0.1	32270.1
As 188.980	108.348	ppb	4.1881	3.9	55.7065
B 249.678	189.594	ppb	0.4893	0.3	2892.51
Ba 389.178	98.1595	ppb	0.6712	0.7	1949.28
Be 313.042	50.4723	ppb	0.0772	0.2	81843.4
Ca 370.602	4951	ppb	5.654	0.1	11455
Cd 226.502	49.9662	ppb	0.1834	0.4	1901.03
Co 228.615	49.7327	ppb	0.1677	0.3	521.047
Cr 267.716	101.483	ppb	0.2817	0.3	5070.31
Cu 324.754	100.756	ppb	0.9675	1.0	7321.05
Fe 271.441	4999.90	ppb	8.9060	0.2	7054.33
K 766.491	5027.73	ppb	7.9967	0.2	215402
Mg 279.078	4847.30	ppb	14.1252	0.3	11784.3
Mn 257.610	519.584	ppb	0.6017	0.1	107536
Mo 202.032	98.3882	ppb	0.7538	0.8	614.824

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Na 330.237	4623.25	ppb	44.8492	1.0	239.195
Ni 231.604	100.049	ppb	0.1506	0.2	272.650
Pb 220.353	504.081	ppb	1.7337	0.3	718.854
Sb 206.834	50.1165	ppb	0.2151	0.4	66.8946
Se 196.026	96.3805	ppb	4.0317	4.2	39.9850
Sn 189.925	205.240	ppb	2.7855	1.4	129.571
Sr 216.596	97.3957	ppb	0.5634	0.6	1070.04
Ti 334.941	99.6888	ppb	0.1559	0.2	27608.5
Tl 190.794	37.3384	ppb	0.6250	1.7	30.1538
V 292.401	99.3000	ppb	0.0754	0.1	2549.95
Zn 206.200	101.381	ppb	1.6793	1.7	92.2189

680-106218-a-1-a (Samp) **10/15/2014, 3:01:17 PM** **Rack 2, Tube 5**

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

Label	Replicates Concentration		
Ag 328.068	-0.3566u	0.0054u	0.0316u
Al 308.215	22790.9	22850.1	22762.9
As 188.980	6.6916	7.9521	6.5362
B 249.678	9.4092	9.2609	8.5525
Ba 389.178	213.531	212.318	211.731
Be 313.042	0.5105	0.5029	0.5025
Ca 370.602	8659	8641	8557
Cd 226.502	0.7358	0.8325	0.8654
Co 228.615	1.8159	1.4352	2.2370
Cr 267.716	28.1312	28.1627	28.0369
Cu 324.754	26.6930	26.1247	26.9192
Fe 271.441	12036.0	12048.7	11997.9
K 766.491	664.771	666.541	663.348
Mg 279.078	1039.27	1030.66	1031.22
Mn 257.610	120.099	119.956	119.315
Mo 202.032	1.2400	1.2523	0.5906
Na 330.237	347.945	227.111u	208.939u
Ni 231.604	8.3050	8.0436	7.6990
Pb 220.353	443.766	442.578	438.850
Sb 206.834	-0.7265u	-1.2884u	3.6719
Se 196.026	3.2796	7.5442	5.9437
Sn 189.925	15.3137	14.4124	13.5361
Sr 216.596	46.4406	45.4992	45.8101
Ti 334.941	357.441	358.184	356.302
Tl 190.794	2.0976	1.8707	0.3079u
V 292.401	21.6276	21.7768	21.8429
Zn 206.200	331.926	335.130	327.676

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.1065	ppb	0.2170	203.7	-21.2898
Al 308.215	22801.3	ppb	44.5363	0.2	151300
As 188.980	7.0600	ppb	0.7765	11.0	1.5043
B 249.678	9.0742	ppb	0.4579	5.0	147.505
Ba 389.178	212.527	ppb	0.9181	0.4	4266.90
Be 313.042	0.5053	ppb	0.0045	0.9	510.422
Ca 370.602	8619	ppb	54.39	0.6	19947
Cd 226.502	0.8112	ppb	0.0674	8.3	86.4848
Co 228.615	1.8293	ppb	0.4010	21.9	29.8115

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Cr 267.716	28.1103	ppb	0.0655	0.2	1432.52
Cu 324.754	26.5790	ppb	0.4093	1.5	2118.74
Fe 271.441	12027.6	ppb	26.4415	0.2	16945.2
K 766.491	664.887	ppb	1.5995	0.2	28767.7
Mg 279.078	1033.72	ppb	4.8182	0.5	2520.43
Mn 257.610	119.790	ppb	0.4178	0.3	24854.2
Mo 202.032	1.0276	ppb	0.3785	36.8	12.1011
Na 330.237	261.332	ppb	75.5581	28.9	22.7608
Ni 231.604	8.0159	ppb	0.3039	3.8	18.3485
Pb 220.353	441.731	ppb	2.5651	0.6	629.185
Sb 206.834	0.5523	ppb	2.7162	491.8	2.4968
Se 196.026	5.5891	ppb	2.1543	38.5	5.0059
Sn 189.925	14.4207	ppb	0.8888	6.2	4.1086
Sr 216.596	45.9166	ppb	0.4797	1.0	519.717
Ti 334.941	357.309	ppb	0.9477	0.3	99088.9
Tl 190.794	1.4254	ppb	0.9744	68.4	-5.9208
V 292.401	21.7491	ppb	0.1103	0.5	564.707
Zn 206.200	331.578	ppb	3.7391	1.1	299.815

680-106218-a-2-a (Samp) **10/15/2014, 3:05:32 PM** **Rack 2, Tube 6**

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

Label	Replicates Concentration		
Ag 328.068	-0.4464u	-0.3595u	-0.5946u
Al 308.215	59199.6	59317.9	59203.9
As 188.980	12.9191	12.4739	4.4625
B 249.678	7.3952	7.3199	7.9767
Ba 389.178	91.1152	90.9658	90.5007
Be 313.042	1.3520	1.3690	1.3477
Ca 370.602	4129	4169	4159
Cd 226.502	-0.1994	-0.3429	-0.1089
Co 228.615	2.9848	2.8239	3.1846
Cr 267.716	65.9604	66.5704	65.9969
Cu 324.754	8.5664	8.8399	8.5928
Fe 271.441	15279.4	15342.8	15261.5
K 766.491	655.876	654.371	657.268
Mg 279.078	998.877	1004.15	1001.87
Mn 257.610	63.2632	63.5471	63.4604
Mo 202.032	1.7573	1.2126	1.9181
Na 330.237	51.9844u	196.031	-6.3051u
Ni 231.604	14.9368	14.2864	14.3307
Pb 220.353	126.896	126.645	125.284
Sb 206.834	1.5138	-0.1626	-1.0339u
Se 196.026	0.1035	0.1845	7.7372
Sn 189.925	7.4356	11.4456	12.7350
Sr 216.596	67.5560	68.3810	67.5856
Ti 334.941	862.938	865.306	863.224
Tl 190.794	-1.8833u	-0.1304u	-0.1287u
V 292.401	20.8163	20.5268	20.7501
Zn 206.200	33.4486	33.1769	30.2711

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.4668	ppb	0.1188	25.5	-50.3731
Al 308.215	59240.5	ppb	67.1354	0.1	392435

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Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
As 188.980	9.9519	ppb	4.7591	47.8	3.3463
B 249.678	7.5639	ppb	0.3595	4.8	117.968
Ba 389.178	90.8605	ppb	0.3205	0.4	1800.89
Be 313.042	1.3562	ppb	0.0113	0.8	1897.26
Ca 370.602	4152	ppb	20.93	0.5	9768
Cd 226.502	-0.2171	ppb	0.1180	54.4	59.3956
Co 228.615	2.9978	ppb	0.1807	6.0	51.7864
Cr 267.716	66.1759	ppb	0.3422	0.5	3323.94
Cu 324.754	8.6664	ppb	0.1508	1.7	863.776
Fe 271.441	15294.6	ppb	42.6979	0.3	21546.2
K 766.491	655.838	ppb	1.4489	0.2	28380.7
Mg 279.078	1001.63	ppb	2.6463	0.3	2431.16
Mn 257.610	63.4236	ppb	0.1455	0.2	13206.8
Mo 202.032	1.6294	ppb	0.3698	22.7	15.6895
Na 330.237	80.5702	ppb	104.153	129.3	19.8271
Ni 231.604	14.5180	ppb	0.3634	2.5	36.6141
Pb 220.353	126.275	ppb	0.8674	0.7	178.495
Sb 206.834	0.1058	ppb	1.2949	1224.5	2.3841
Se 196.026	2.6751	ppb	4.3841	163.9	3.8973
Sn 189.925	10.5387	ppb	2.7637	26.2	1.5562
Sr 216.596	67.8409	ppb	0.4680	0.7	760.968
Ti 334.941	863.823	ppb	1.2925	0.1	239639
Tl 190.794	-0.7142	ppb	1.0125	141.8	-8.4205
V 292.401	20.6977	ppb	0.1517	0.7	544.043
Zn 206.200	32.2989	ppb	1.7614	5.5	29.5971

680-106218-a-3-a (Samp) **10/15/2014, 3:09:48 PM** **Rack 2, Tube 7**

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

Label	Replicates Concentration		
Ag 328.068	-0.5038u	-0.3062u	-0.5050u
Al 308.215	46211.8	46069.7	46100.3
As 188.980	9.6081	8.7873	9.8603
B 249.678	6.4584	5.8997	5.9405
Ba 389.178	320.519	320.475	321.629
Be 313.042	1.0562	1.0498	1.0385
Ca 370.602	1767	1766	1762
Cd 226.502	-0.0175	-0.2539	-0.1266
Co 228.615	1.9691	1.8822	2.3217
Cr 267.716	33.0047	32.7719	33.0168
Cu 324.754	9.9011	10.0285	9.9340
Fe 271.441	17351.7	17331.6	17315.8
K 766.491	801.972	800.994	804.578
Mg 279.078	1338.18	1332.90	1336.18
Mn 257.610	80.5900	80.5511	80.6224
Mo 202.032	1.0635	1.3816	1.7647
Na 330.237	183.455	119.916u	122.598u
Ni 231.604	9.7542	8.7914	8.7071
Pb 220.353	106.618	105.983	105.229
Sb 206.834	1.1308	0.2920	1.5848
Se 196.026	-1.6723u	9.8517	14.8814
Sn 189.925	10.8513	8.5990	7.0074
Sr 216.596	39.9224	39.0879	39.7171
Ti 334.941	581.661	581.081	581.323

Label	Replicates Concentration		
Tl 190.794	-0.5441u	-1.6208u	2.8188
V 292.401	21.8241	21.5337	21.5351
Zn 206.200	39.2776	39.6953	41.9123

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.4383	ppb	0.1145	26.1	-47.6357
Al 308.215	46127.3	ppb	74.8165	0.2	305664
As 188.980	9.4186	ppb	0.5611	6.0	2.9387
B 249.678	6.0995	ppb	0.3114	5.1	91.5240
Ba 389.178	320.874	ppb	0.6543	0.2	6467.34
Be 313.042	1.0482	ppb	0.0090	0.9	1393.86
Ca 370.602	1765	ppb	2.794	0.2	4130
Cd 226.502	-0.1327	ppb	0.1184	89.2	69.9148
Co 228.615	2.0577	ppb	0.2328	11.3	36.7306
Cr 267.716	32.9311	ppb	0.1381	0.4	1674.55
Cu 324.754	9.9545	ppb	0.0662	0.7	954.951
Fe 271.441	17333.0	ppb	17.9850	0.1	24416.7
K 766.491	802.515	ppb	1.8530	0.2	34655.2
Mg 279.078	1335.75	ppb	2.6690	0.2	3247.04
Mn 257.610	80.5878	ppb	0.0357	0.0	16764.5
Mo 202.032	1.4033	ppb	0.3511	25.0	14.2018
Na 330.237	141.990	ppb	35.9348	25.3	22.6328
Ni 231.604	9.0842	ppb	0.5817	6.4	21.7165
Pb 220.353	105.943	ppb	0.6951	0.7	149.653
Sb 206.834	1.0025	ppb	0.6559	65.4	3.2886
Se 196.026	7.6870	ppb	8.4865	110.4	5.8458
Sn 189.925	8.8192	ppb	1.9314	21.9	0.4257
Sr 216.596	39.5758	ppb	0.4348	1.1	453.694
Ti 334.941	581.355	ppb	0.2914	0.1	161260
Tl 190.794	0.2179	ppb	2.3158	1062.6	-7.7502
V 292.401	21.6309	ppb	0.1672	0.8	566.366
Zn 206.200	40.2951	ppb	1.4161	3.5	36.8164

680-106194-b-2-a (Samp) **10/15/2014, 3:14:04 PM** **Rack 2, Tube 8**

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

Label	Replicates Concentration		
Ag 328.068	10.2568	10.6655	9.4240
Al 308.215	59562.7	59452.9	59411.4
As 188.980	711.554	734.028	722.269
B 249.678	157.548u	155.634u	154.391u
Ba 389.178	4458.26	4440.97	4438.60
Be 313.042	8.1472	8.1142	8.1076
Ca 370.602	322141	323838	324601
Cd 226.502	155.534	152.993	152.187
Co 228.615	215.125	215.241	214.904
Cr 267.716	2799.53	2788.40	2790.21
Cu 324.754	21252.7	21152.0	21324.4
Fe 271.441	1675998x	1676099x	1678176x
K 766.491	4866.12	4858.12	4843.79
Mg 279.078	45889.4	45771.3	45819.5
Mn 257.610	14112.9	14041.6	14059.3
Mo 202.032	879.119	874.802	879.095
Na 330.237	3404.22u	3207.00u	3496.76u

Label	Replicates Concentration		
Ni 231.604	1580.07	1579.81	1586.40
Pb 220.353	6502.07	6495.54	6514.81
Sb 206.834	41.0455	45.9068	51.6232
Se 196.026	7.2558	-7.4380	-0.9058
Sn 189.925	659.873	648.285	652.343
Sr 216.596	1080.36	1076.39	1072.96
Ti 334.941	1859.04	1851.47	1851.62
Tl 190.794	-81.0338u	-76.6326u	-76.8164u
V 292.401	296.392	295.729	295.190
Zn 206.200	11496.7	11496.6	11504.5

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	10.1154b	ppb	0.6327	6.3	542.508
Al 308.215	59475.7b	ppb	78.2194	0.1	396820
As 188.980	722.617b	ppb	11.2413	1.6	376.772
B 249.678	155.858b	ppb	1.5906	1.0	-1101.08
Ba 389.178	4445.94b	ppb	10.7336	0.2	91012.8
Be 313.042	8.1230b	ppb	0.0212	0.3	12841.7
Ca 370.602	323527b	ppb	1259	0.4	732588
Cd 226.502	153.572b	ppb	1.7469	1.1	11711.2
Co 228.615	215.090b	ppb	0.1707	0.1	2364.99
Cr 267.716	2792.71b	ppb	5.9754	0.2	139403
Cu 324.754	21243.0b	ppb	86.6152	0.4	1490880
Fe 271.441	1676757xb	ppb	1229.46	0.1	2361342
K 766.491	4856.01b	ppb	11.3135	0.2	208056
Mg 279.078	45826.7b	ppb	59.3824	0.1	111078
Mn 257.610	14071.3b	ppb	37.1244	0.3	2914948
Mo 202.032	877.672b	ppb	2.4857	0.3	5366.28
Na 330.237	3369.33b	ppb	147.994	4.4	-495.988
Ni 231.604	1582.09b	ppb	3.7330	0.2	4504.54
Pb 220.353	6504.14b	ppb	9.7979	0.2	9176.37
Sb 206.834	46.1918b	ppb	5.2946	11.5	126.810
Se 196.026	-0.3627b	ppb	7.3619	2030.0	17.8961
Sn 189.925	653.500b	ppb	5.8802	0.9	424.291
Sr 216.596	1076.57b	ppb	3.7015	0.3	13600.3
Ti 334.941	1854.04b	ppb	4.3236	0.2	514669
Tl 190.794	-78.1610b	ppb	2.4897	3.2	-277.855
V 292.401	295.771b	ppb	0.6020	0.2	8026.38
Zn 206.200	11499.3b	ppb	4.5582	0.0	10304.8

680-106194-b-2-aSD (Samp) **10/15/2014, 3:18:20 PM** **Rack 2, Tube 9**

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

Label	Replicates Concentration		
Ag 328.068	2.3114	2.0039	2.7949
Al 308.215	12305.7	11832.5	11399.6
As 188.980	163.032	147.726	152.174
B 249.678	36.5935u	36.9908u	38.0914u
Ba 389.178	1014.73	977.146	943.766
Be 313.042	1.8214	1.7518	1.6947
Ca 370.602	72800	70044	67684
Cd 226.502	34.2683	30.9757	28.9630
Co 228.615	49.6263	47.0576	46.0073
Cr 267.716	642.657	618.648	599.886

Label	Replicates Concentration		
Cu 324.754	4605.16	4418.92	4225.46
Fe 271.441	396979	381937	368828
K 766.491	861.625	834.199	804.630
Mg 279.078	10769.0	10369.9	10029.3
Mn 257.610	3297.88	3178.51	3079.50
Mo 202.032	199.725	193.658	185.399
Na 330.237	721.694u	872.271u	943.460u
Ni 231.604	375.705	359.964	349.091
Pb 220.353	1555.15	1500.31	1449.43
Sb 206.834	14.9409	11.6140	12.3893
Se 196.026	7.1242	2.8893	9.6675
Sn 189.925	157.403	148.977	141.250
Sr 216.596	247.382	237.120	229.706
Ti 334.941	412.351	397.251	383.744
Tl 190.794	-15.8959u	-11.7026u	-6.8382u
V 292.401	66.8504	63.8528	61.4897
Zn 206.200	2749.56	2663.38	2562.16

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	2.3700	ppb	0.3987	16.8	120.636
Al 308.215	11845.9	ppb	453.171	3.8	79434.1
As 188.980	154.310	ppb	7.8734	5.1	78.4218
B 249.678	37.2252	ppb	0.7760	2.1	-199.383
Ba 389.178	978.546	ppb	35.5007	3.6	19999.4
Be 313.042	1.7560	ppb	0.0634	3.6	2528.35
Ca 370.602	70176	ppb	2561	3.6	158729
Cd 226.502	31.4023	ppb	2.6783	8.5	2547.39
Co 228.615	47.5638	ppb	1.8618	3.9	525.985
Cr 267.716	620.397	ppb	21.4391	3.5	30997.2
Cu 324.754	4416.51	ppb	189.862	4.3	310172
Fe 271.441	382582	ppb	14086.5	3.7	538787
K 766.491	833.484	ppb	28.5040	3.4	35980.0
Mg 279.078	10389.4	ppb	370.247	3.6	25197.8
Mn 257.610	3185.30	ppb	109.347	3.4	659894
Mo 202.032	192.927	ppb	7.1910	3.7	1183.89
Na 330.237	845.809	ppb	113.227	13.4	-93.4142
Ni 231.604	361.587	ppb	13.3805	3.7	1025.81
Pb 220.353	1501.63	ppb	52.8729	3.5	2119.18
Sb 206.834	12.9814	ppb	1.7407	13.4	32.9891
Se 196.026	6.5603	ppb	3.4241	52.2	8.7545
Sn 189.925	149.210	ppb	8.0791	5.4	92.7300
Sr 216.596	238.070	ppb	8.8764	3.7	3023.76
Ti 334.941	397.782	ppb	14.3109	3.6	110376
Tl 190.794	-11.4789	ppb	4.5330	39.5	-61.8237
V 292.401	64.0643	ppb	2.6866	4.2	1738.86
Zn 206.200	2658.37	ppb	93.8025	3.5	2383.40

680-106194-b-2-aPDS (Samp) **10/15/2014, 3:22:37 PM** **Rack 2, Tube 10**

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

Label	Replicates Concentration		
Ag 328.068	105.774	107.334	105.904
Al 308.215	60348.3	60479.6	60329.4
As 188.980	821.499	834.165	833.845

Label	Replicates Concentration		
B 249.678	345.396	347.883	348.685
Ba 389.178	4471.39	4481.61	4472.16
Be 313.042	100.899	100.870	100.642
Ca 370.602	326174	326675	327636
Cd 226.502	244.629	247.070	245.078
Co 228.615	301.109	300.679	302.472
Cr 267.716	2848.34	2852.92	2852.23
Cu 324.754	21288.0	21220.0	21208.3
Fe 271.441	1656064x	1663188x	1664961x
K 766.491	18098.2	18110.9	18040.7
Mg 279.078	54243.8	54410.0	54439.0
Mn 257.610	14676.3	14777.8	14759.2
Mo 202.032	959.691	961.279	966.216
Na 330.237	12850.7u	12938.3u	12969.4u
Ni 231.604	1647.33	1650.85	1655.25
Pb 220.353	6462.55	6485.31	6492.33
Sb 206.834	139.574	143.030	140.499
Se 196.026	84.6566	98.9389	80.1560
Sn 189.925	737.568	726.020	728.308
Sr 216.596	1152.78	1155.25	1157.11
Ti 334.941	1930.64	1932.47	1927.57
Tl 190.794	-50.2326u	-62.9060u	-60.0923u
V 292.401	387.758	387.695	386.976
Zn 206.200	11347.4	11422.5	11414.1

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	106.337b	ppb	0.8653	0.8	7986.82
Al 308.215	60385.8b	ppb	81.7975	0.1	402839
As 188.980	829.836b	ppb	7.2221	0.9	434.334
B 249.678	347.321b	ppb	1.7149	0.5	1815.81
Ba 389.178	4475.05b	ppb	5.6930	0.1	91609.7
Be 313.042	100.804b	ppb	0.1410	0.1	163718
Ca 370.602	326828b	ppb	742.9	0.2	740360
Cd 226.502	245.592b	ppb	1.2990	0.5	15120.0
Co 228.615	301.420b	ppb	0.9362	0.3	3263.22
Cr 267.716	2851.16b	ppb	2.4693	0.1	142301
Cu 324.754	21238.8b	ppb	43.0258	0.2	1490577
Fe 271.441	1661404xb	ppb	4708.68	0.3	2339731
K 766.491	18083.3b	ppb	37.4205	0.2	773894
Mg 279.078	54364.3b	ppb	105.302	0.2	131807
Mn 257.610	14737.8b	ppb	54.0807	0.4	3052809
Mo 202.032	962.395b	ppb	3.4023	0.4	5890.91
Na 330.237	12919.5b	ppb	61.5587	0.5	-35.4027
Ni 231.604	1651.15b	ppb	3.9665	0.2	4694.89
Pb 220.353	6480.06b	ppb	15.5642	0.2	9142.63
Sb 206.834	141.034b	ppb	1.7888	1.3	251.010
Se 196.026	87.9172b	ppb	9.8068	11.2	51.9520
Sn 189.925	730.632b	ppb	6.1146	0.8	475.007
Sr 216.596	1155.05b	ppb	2.1735	0.2	14447.0
Ti 334.941	1930.23b	ppb	2.4766	0.1	535820
Tl 190.794	-57.7436b	ppb	6.6551	11.5	-256.277
V 292.401	387.476b	ppb	0.4342	0.1	10384.4
Zn 206.200	11394.7b	ppb	41.1384	0.4	10210.7

680-106194-b-2-b ms (Samp) **10/15/2014, 3:26:54 PM** **Rack 2, Tube 11**

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

Label	Replicates Concentration		
Ag 328.068	69.2306	69.8229	69.8139
Al 308.215	80282.1	80358.4	80265.1
As 188.980	390.511	382.329	390.633
B 249.678	368.465	369.889	369.763
Ba 389.178	2244.15	2243.42	2245.23
Be 313.042	53.2668	53.2920	53.3575
Ca 370.602	813580	817945	815070
Cd 226.502	108.166	107.935	107.313
Co 228.615	195.813	195.201	195.179
Cr 267.716	3195.53	3203.80	3197.85
Cu 324.754	28241.5	28086.6	28372.7
Fe 271.441	1439075x	1441890x	1436635x
K 766.491	14697.1	14677.2	14660.0
Mg 279.078	36859.6	36621.9	36861.1
Mn 257.610	16386.3	16400.5	16383.5
Mo 202.032	1211.13x	1214.42x	1214.72x
Na 330.237	9154.65u	8943.91u	8953.77u
Ni 231.604	1566.40	1564.49	1559.80
Pb 220.353	6405.88	6410.93	6393.99
Sb 206.834	79.1561	81.6773	73.9988
Se 196.026	75.8010	71.8846	93.5582
Sn 189.925	1819.81	1813.75	1808.01
Sr 216.596	1260.24	1262.03	1260.67
Ti 334.941	1791.85	1796.08	1794.76
Tl 190.794	-39.0063u	-39.9312u	-38.6432u
V 292.401	392.679	394.008	393.362
Zn 206.200	10741.6	10777.6	10756.4

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	69.6225b	ppb	0.3394	0.5	5185.52
Al 308.215	80301.9b	ppb	49.7157	0.1	534278
As 188.980	387.825b	ppb	4.7594	1.2	198.475
B 249.678	369.372b	ppb	0.7881	0.2	2610.86
Ba 389.178	2244.26b	ppb	0.9101	0.0	46235.0
Be 313.042	53.3055b	ppb	0.0468	0.1	86517.1
Ca 370.602	815532b	ppb	2219	0.3	1872224
Cd 226.502	107.805b	ppb	0.4412	0.4	9175.78
Co 228.615	195.397b	ppb	0.3598	0.2	2136.52
Cr 267.716	3199.06b	ppb	4.2687	0.1	159476
Cu 324.754	28233.6b	ppb	143.208	0.5	1981089
Fe 271.441	1439200xb	ppb	2629.86	0.2	2026799
K 766.491	14678.1b	ppb	18.5832	0.1	628228
Mg 279.078	36780.9b	ppb	137.658	0.4	89050.6
Mn 257.610	16390.1b	ppb	9.0814	0.1	3393749
Mo 202.032	1213.42xb	ppb	1.9900	0.2	7453.75
Na 330.237	9017.44b	ppb	118.926	1.3	-154.120
Ni 231.604	1563.56b	ppb	3.3946	0.2	4435.69
Pb 220.353	6403.60b	ppb	8.6987	0.1	9046.99
Sb 206.834	78.2774b	ppb	3.9139	5.0	161.493
Se 196.026	80.4146b	ppb	11.5499	14.4	47.7101
Sn 189.925	1813.86b	ppb	5.9017	0.3	1187.21
Sr 216.596	1260.98b	ppb	0.9327	0.1	15531.6

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ti 334.941	1794.23b	ppb	2.1630	0.1	498030
Tl 190.794	-39.1936b	ppb	0.6641	1.7	-211.945
V 292.401	393.350b	ppb	0.6647	0.2	10401.3
Zn 206.200	10758.6b	ppb	18.1025	0.2	9644.29

680-106194-b-2-c msd (Samp) **10/15/2014, 3:31:11 PM** **Rack 2, Tube 12**

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

Label	Replicates Concentration		
Ag 328.068	62.1761	62.5746	63.7844
Al 308.215	61325.5	61368.4	61294.3
As 188.980	466.210	464.030	459.422
B 249.678	311.318	318.905	318.340
Ba 389.178	2468.81	2470.90	2464.20
Be 313.042	51.7696	51.7500	51.5950
Ca 370.602	1065499x	1059515x	1067435x
Cd 226.502	106.699	108.344	108.479
Co 228.615	269.552	269.481	267.198
Cr 267.716	3280.56	3273.37	3261.79
Cu 324.754	20116.9	20128.9	20205.0
Fe 271.441	1693467x	1686316x	1686112x
K 766.491	14461.3	14490.6	14471.2
Mg 279.078	169180	169057	168830
Mn 257.610	15167.0	15153.4	15191.8
Mo 202.032	1140.18	1137.38	1137.27
Na 330.237	8532.28u	8786.19u	8693.32u
Ni 231.604	1882.73	1878.79	1870.73
Pb 220.353	3764.16	3756.09	3754.85
Sb 206.834	75.9556	63.2772	75.9765
Se 196.026	74.4378	71.7842	91.7238
Sn 189.925	736.366	731.123	722.654
Sr 216.596	1486.94	1483.03	1477.71
Ti 334.941	1619.19	1619.83	1614.65
Tl 190.794	-56.7668u	-52.4603u	-61.1867u
V 292.401	631.734	631.630	628.406
Zn 206.200	8962.76	8938.76	8923.07

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	62.8451b	ppb	0.8376	1.3	4607.09
Al 308.215	61329.4b	ppb	37.1963	0.1	409167
As 188.980	463.221b	ppb	3.4659	0.7	237.460
B 249.678	316.187b	ppb	4.2267	1.3	1281.36
Ba 389.178	2467.97b	ppb	3.4256	0.1	51064.5
Be 313.042	51.7049b	ppb	0.0956	0.2	83991.5
Ca 370.602	1064150xb	ppb	4129	0.4	2444422
Cd 226.502	107.841b	ppb	0.9907	0.9	10073.2
Co 228.615	268.744b	ppb	1.3389	0.5	2915.42
Cr 267.716	3271.91b	ppb	9.4702	0.3	163193
Cu 324.754	20150.3b	ppb	47.8113	0.2	1414251
Fe 271.441	1688632xb	ppb	4188.56	0.2	2378073
K 766.491	14474.4b	ppb	14.9006	0.1	619511
Mg 279.078	169023b	ppb	177.411	0.1	410361
Mn 257.610	15170.7b	ppb	19.4767	0.1	3143265
Mo 202.032	1138.28b	ppb	1.6532	0.1	6977.80

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Na 330.237	8670.60b	ppb	128.469	1.5	-184.396
Ni 231.604	1877.42b	ppb	6.1181	0.3	5324.06
Pb 220.353	3758.37b	ppb	5.0559	0.1	5260.16
Sb 206.834	71.7364b	ppb	7.3259	10.2	162.199
Se 196.026	79.3153b	ppb	10.8277	13.7	48.9544
Sn 189.925	730.048b	ppb	6.9190	0.9	474.621
Sr 216.596	1482.56b	ppb	4.6313	0.3	18294.4
Ti 334.941	1617.89b	ppb	2.8276	0.2	449349
Tl 190.794	-56.8046b	ppb	4.3633	7.7	-259.013
V 292.401	630.590b	ppb	1.8923	0.3	16647.1
Zn 206.200	8941.53b	ppb	19.9897	0.2	7995.23

Cont Calib Verif (CCV) **10/15/2014, 3:35:27 PM** **Rack 2, Tube 13**

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

Label	Replicates Concentration		
Ag 328.068	490.100	489.945	489.894
Al 308.215	4826.03	4816.10	4774.33
As 188.980	458.252	463.011	457.709
B 249.678	485.982	486.661	488.340
Ba 389.178	4842.46	4831.38	4824.34
Be 313.042	488.894	487.303	485.413
Ca 370.602	5054	5044	5018
Cd 226.502	489.236	490.650	487.059
Co 228.615	497.452	497.608	496.226
Cr 267.716	4883.59	4874.16	4874.36
Cu 324.754	5061.26	5105.77	5044.56
Fe 271.441	5073.37	5061.69	5030.64
K 766.491	10095.7	10084.1	10101.9
Mg 279.078	4904.59	4895.94	4885.64
Mn 257.610	5017.28	4997.34	4991.50
Mo 202.032	494.180	494.104	495.681
Na 330.237	7428.98	7351.30	7612.73
Ni 231.604	2491.44	2484.69	2484.94
Pb 220.353	498.230	500.211	494.435
Sb 206.834	926.599	927.845	917.812
Se 196.026	4813.32	4835.46	4830.43
Sn 189.925	4914.79	4921.46	4917.33
Sr 216.596	2436.64	2431.28	2426.89
Ti 334.941	483.404	482.311	481.937
Tl 190.794	4998.21	4972.81	5004.13
V 292.401	4864.04	4855.67	4857.87
Zn 206.200	2452.65	2437.15	2441.19

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Ag 328.068	489.980	ppb	0.1072	0.0	37843.7	97.99594
Al 308.215	4805.49	ppb	27.4345	0.6	32701.1	96.10973
As 188.980	459.657	ppb	2.9171	0.6	244.087	91.93143
B 249.678	486.994	ppb	1.2139	0.2	7401.09	97.39886
Ba 389.178	4832.72	ppb	9.1366	0.2	97983.8	96.65448
Be 313.042	487.203	ppb	1.7424	0.4	793009	97.44063
Ca 370.602	5039	ppb	18.62	0.4	11917	100.78027
Cd 226.502	488.982	ppb	1.8087	0.4	18331.1	97.79636
Co 228.615	497.095	ppb	0.7571	0.2	5185.47	99.41907

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Cr 267.716	4877.37	ppb	5.3911	0.1	242030	97.54739
Cu 324.754	5070.53	ppb	31.6382	0.6	355832	101.41061
Fe 271.441	5055.23	ppb	22.0829	0.4	7223.37	101.10464
K 766.491	10093.9	ppb	9.0055	0.1	432124	100.93911
Mg 279.078	4895.39	ppb	9.4850	0.2	11818.9	97.90781
Mn 257.610	5002.04	ppb	13.5155	0.3	1034472	100.04080
Mo 202.032	494.655	ppb	0.8896	0.2	3062.35	98.93102
Na 330.237	7464.34	ppb	134.253	1.8	316.674	99.52451
Ni 231.604	2487.02	ppb	3.8309	0.2	6883.99	99.48093
Pb 220.353	497.625	ppb	2.9351	0.6	713.184	99.52502
Sb 206.834	924.085	ppb	5.4683	0.6	1263.91	92.40852
Se 196.026	4826.41	ppb	11.6061	0.2	1861.97	96.52814
Sn 189.925	4917.86	ppb	3.3659	0.1	3228.05	98.35715
Sr 216.596	2431.60	ppb	4.8875	0.2	26510.3	97.26410
Ti 334.941	482.551	ppb	0.7623	0.2	133845	96.51018
Tl 190.794	4991.72	ppb	16.6366	0.3	4882.30	99.83437
V 292.401	4859.20	ppb	4.3408	0.1	125658	97.18391
Zn 206.200	2443.66	ppb	8.0404	0.3	2193.14	97.74656

Cont Calib Blank (CCB) **10/15/2014, 3:39:43 PM** **Rack 2, Tube 14**

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

Label	Replicates Concentration		
Ag 328.068	0.0335	0.4325	-0.3304u
Al 308.215	11.1574	13.0468	10.1507
As 188.980	-2.4636u	7.7857	6.1271
B 249.678	11.0751	9.9144	9.1390
Ba 389.178	0.4521	0.5972	-0.0848u
Be 313.042	0.0490	0.0478	0.0419
Ca 370.602	14.17	20.66	21.56
Cd 226.502	-0.0455u	0.1500	0.0464
Co 228.615	-0.2902u	-0.1284u	0.3193
Cr 267.716	0.6673	0.5293	0.4777
Cu 324.754	0.5807	0.7398	0.6940
Fe 271.441	32.9534	34.5754	40.0814
K 766.491	-1.0300u	-1.3343u	-1.4566u
Mg 279.078	3.2302	0.4733	1.6632
Mn 257.610	0.6764	0.7183	0.7696
Mo 202.032	1.7677	1.4860	1.4462
Na 330.237	-32.5927u	-88.1304u	-39.0807u
Ni 231.604	1.0390	0.7502	0.1247
Pb 220.353	-0.1314u	0.9452	0.1341
Sb 206.834	6.2156	5.7151	4.5951
Se 196.026	12.5905	1.9135	5.2736
Sn 189.925	3.6453	4.3676	0.8538
Sr 216.596	0.1970	-0.1447u	0.3266
Ti 334.941	0.2249	0.2075	0.2040
Tl 190.794	2.1853	1.9977	2.6225
V 292.401	0.4198	0.6700	0.0792
Zn 206.200	1.0480	1.0526	2.2606

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Ag 328.068	0.0452	ppb	0.3816	844.5	-6.9690	0.04518
Al 308.215	11.4516	ppb	1.4703	12.8	470.322	11.45164

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
As 188.980	3.8164	ppb	5.5015	144.2	-0.3650	3.81641
B 249.678	10.0428	ppb	0.9744	9.7	187.334	10.04282
Ba 389.178	0.3215	ppb	0.3593	111.7	-44.2340	0.32153
Be 313.042	0.0462	ppb	0.0038	8.2	-241.969	0.04623
Ca 370.602	18.79	ppb	4.031	21.4	54.34	18.79365
Cd 226.502	0.0503	ppb	0.0978	194.6	15.2075	0.05028
Co 228.615	-0.0331	ppb	0.3157	954.1	2.7732	-0.03309
Cr 267.716	0.5581	ppb	0.0980	17.6	58.8390	0.55809
Cu 324.754	0.6715	ppb	0.0819	12.2	297.059	0.67149
Fe 271.441	35.8701	ppb	3.7362	10.4	57.3321	35.87009Z
K 766.491	-1.2736	ppb	0.2197	17.2	270.599	-1.27361
Mg 279.078	1.7889	ppb	1.3828	77.3	23.2608	1.78890
Mn 257.610	0.7215	ppb	0.0467	6.5	190.012	0.72148
Mo 202.032	1.5666	ppb	0.1753	11.2	15.9685	1.56660
Na 330.237	-53.2679	ppb	30.3656	57.0	19.4728	-53.26792
Ni 231.604	0.6380	ppb	0.4674	73.3	-3.0066	0.63796
Pb 220.353	0.3160	ppb	0.5609	177.5	0.8826	0.31596
Sb 206.834	5.5086	ppb	0.8298	15.1	8.3657	5.50858
Se 196.026	6.5926	ppb	5.4593	82.8	5.2787	6.59257
Sn 189.925	2.9556	ppb	1.8557	62.8	-3.4296	2.95557
Sr 216.596	0.1263	ppb	0.2435	192.8	3.7638	0.12627
Ti 334.941	0.2121	ppb	0.0112	5.3	-3.0050	0.21212
Tl 190.794	2.2685	ppb	0.3206	14.1	-3.7526	2.26849
V 292.401	0.3897	ppb	0.2965	76.1	2.7500	0.38968
Zn 206.200	1.4537	ppb	0.6988	48.1	2.5155	1.45374

680-106194-a-30-a (Samp) **10/15/2014, 3:43:59 PM** **Rack 2, Tube 15**

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

Label	Replicates Concentration		
Ag 328.068	-7.4112u	-7.2084u	-7.1100u
Al 308.215	171122	170801	170912
As 188.980	319.953	310.715	317.736
B 249.678	14.1592u	14.8667u	14.2169u
Ba 389.178	448.067	445.264	446.259
Be 313.042	29.0042	28.8698	28.9183
Ca 370.602	18662	18647	18715
Cd 226.502	-2.1247	-2.2639	-2.2408
Co 228.615	64.9104	65.3652	65.9720
Cr 267.716	259.544	258.864	259.123
Cu 324.754	368.299	372.339	368.672
Fe 271.441	308645	307667	307939
K 766.491	9055.37	9040.04	9037.03
Mg 279.078	8042.86	8022.63	8048.90
Mn 257.610	7199.43	7169.68	7199.92
Mo 202.032	33.5599	33.7136	34.0361
Na 330.237	358.073u	214.907u	328.370u
Ni 231.604	401.197	400.362	399.949
Pb 220.353	204.084	204.453	205.008
Sb 206.834	0.3207	-0.8466	2.4104
Se 196.026	-1.6045	3.6152	-2.7799
Sn 189.925	16.5355	19.9249	13.8286
Sr 216.596	58.1537	58.0195	58.7041
Ti 334.941	965.133	960.722	961.684

Label	Replicates Concentration		
Tl 190.794	-6.8665u	-9.8898u	-4.9689u
V 292.401	448.153	445.961	446.707
Zn 206.200	275.984	277.028	272.602

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-7.2432	ppb	0.1536	2.1	-585.316
Al 308.215	170945	ppb	162.812	0.1	1132152
As 188.980	316.134	ppb	4.8229	1.5	166.998
B 249.678	14.4143	ppb	0.3929	2.7	-392.683
Ba 389.178	446.530	ppb	1.4214	0.3	9170.31
Be 313.042	28.9308	ppb	0.0680	0.2	46807.0
Ca 370.602	18674	ppb	35.59	0.2	40668
Cd 226.502	-2.2098	ppb	0.0746	3.4	1030.96
Co 228.615	65.4158	ppb	0.5326	0.8	721.720
Cr 267.716	259.177	ppb	0.3430	0.1	13058.2
Cu 324.754	369.770	ppb	2.2327	0.6	26306.7
Fe 271.441	308084	ppb	504.705	0.2	433879
K 766.491	9044.15	ppb	9.8359	0.1	387217
Mg 279.078	8038.13	ppb	13.7609	0.2	19357.4
Mn 257.610	7189.68	ppb	17.3215	0.2	1487742
Mo 202.032	33.7699	ppb	0.2430	0.7	201.676
Na 330.237	300.450	ppb	75.5567	25.1	-44.7992
Ni 231.604	400.503	ppb	0.6360	0.2	1128.10
Pb 220.353	204.515	ppb	0.4655	0.2	272.339
Sb 206.834	0.6282	ppb	1.6502	262.7	13.4161
Se 196.026	-0.2564	ppb	3.4040	1327.6	6.3541
Sn 189.925	16.7630	ppb	3.0545	18.2	5.6482
Sr 216.596	58.2924	ppb	0.3628	0.6	965.656
Ti 334.941	962.513	ppb	2.3194	0.2	267074
Tl 190.794	-7.2417	ppb	2.4818	34.3	-46.0559
V 292.401	446.940	ppb	1.1146	0.2	11683.7
Zn 206.200	275.205	ppb	2.3137	0.8	237.056

680-106194-a-20-a (Samp) **10/15/2014, 3:55:35 PM** **Rack 2, Tube 16**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Replicates Concentration		
Ag 328.068	-2.8718u	-2.6633u	-3.0144u
Al 308.215	65830.4	65975.7	65961.7
As 188.980	87.9350	90.2601	76.5789
B 249.678	21.0794	20.1166	20.5017
Ba 389.178	478.219	478.983	477.309
Be 313.042	6.0753	6.0704	6.0716
Ca 370.602	430315	432544	431506
Cd 226.502	0.0892	0.0533	-0.0813
Co 228.615	51.6671	52.1234	51.1448
Cr 267.716	101.894	101.793	102.074
Cu 324.754	69.4147	69.3115	69.4760
Fe 271.441	90813.5	91030.6	91006.4
K 766.491	4887.97	4901.96	4887.80
Mg 279.078	15855.0	15875.5	15901.8
Mn 257.610	4101.29	4102.82	4113.32
Mo 202.032	6.2215	6.3631	5.8702
Na 330.237	191.131u	200.053u	164.114u

Label	Replicates Concentration		
Ni 231.604	66.1578	63.6355	63.8167
Pb 220.353	100.330	100.550	101.515
Sb 206.834	1.4604	-0.8529	2.2077
Se 196.026	8.0684	3.9112	0.5149
Sn 189.925	13.3295	12.9214	13.9700
Sr 216.596	120.191	120.849	120.284
Ti 334.941	523.823	524.596	523.596
Tl 190.794	-0.7101u	-3.4942u	0.8964u
V 292.401	164.091	163.960	164.179
Zn 206.200	110.747	111.617	112.287

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-2.8498	ppb	0.1765	6.2	-230.256
Al 308.215	65922.6	ppb	80.1874	0.1	436794
As 188.980	84.9247	ppb	7.3205	8.6	43.2216
B 249.678	20.5659	ppb	0.4846	2.4	155.270
Ba 389.178	478.170	ppb	0.8381	0.2	9713.07
Be 313.042	6.0725	ppb	0.0026	0.0	9710.70
Ca 370.602	431455	ppb	1116	0.3	996780
Cd 226.502	0.0204	ppb	0.0899	440.5	339.796
Co 228.615	51.6451	ppb	0.4896	0.9	556.886
Cr 267.716	101.920	ppb	0.1423	0.1	5146.96
Cu 324.754	69.4007	ppb	0.0832	0.1	5153.03
Fe 271.441	90950.2	ppb	118.968	0.1	128095
K 766.491	4892.57	ppb	8.1275	0.2	209620
Mg 279.078	15877.4	ppb	23.4493	0.1	38495.1
Mn 257.610	4105.81	ppb	6.5494	0.2	849469
Mo 202.032	6.1516	ppb	0.2538	4.1	40.2927
Na 330.237	185.099	ppb	18.7134	10.1	5.6551
Ni 231.604	64.5366	ppb	1.4069	2.2	180.865
Pb 220.353	100.798	ppb	0.6305	0.6	138.411
Sb 206.834	0.9384	ppb	1.5957	170.0	6.0866
Se 196.026	4.1648	ppb	3.7832	90.8	5.8243
Sn 189.925	13.4070	ppb	0.5286	3.9	3.4420
Sr 216.596	120.441	ppb	0.3561	0.3	1563.19
Ti 334.941	524.005	ppb	0.5243	0.1	145380
Tl 190.794	-1.1026	ppb	2.2214	201.5	-15.7553
V 292.401	164.077	ppb	0.1101	0.1	4280.25
Zn 206.200	111.550	ppb	0.7719	0.7	98.0988

680-106194-a-6-a (Samp) **10/15/2014, 3:59:51 PM** **Rack 2, Tube 17**

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

Label	Replicates Concentration		
Ag 328.068	0.1544u	-0.3245u	-0.1456u
Al 308.215	25670.2	25683.8	25678.3
As 188.980	985.163	985.706	999.511
B 249.678	19.2600	18.2449	18.2257
Ba 389.178	638.620	643.313	642.505
Be 313.042	2.8773	2.8999	2.8913
Ca 370.602	1600248x	1602759x	1608942x
Cd 226.502	3.8405	3.7448	3.6978
Co 228.615	24.1119	23.6460	24.6124
Cr 267.716	72.0949	71.8594	71.9799

Label	Replicates Concentration		
Cu 324.754	264.113	263.854	260.843
Fe 271.441	116323	116241	116285
K 766.491	3448.74	3447.92	3449.55
Mg 279.078	23201.0	23224.2	23220.9
Mn 257.610	2827.62	2828.80	2832.18
Mo 202.032	21.0314	22.4104	21.6497
Na 330.237	558.010u	792.598u	242.726u
Ni 231.604	64.1047	62.4594	61.5978
Pb 220.353	392.472	393.588	392.650
Sb 206.834	9.9581	9.0485	3.2349
Se 196.026	8.5432	17.7216	13.2443
Sn 189.925	164.669	167.616	163.509
Sr 216.596	405.492	403.606	406.112
Ti 334.941	582.401	583.575	584.520
Tl 190.794	-9.5660u	0.5418u	-3.8896u
V 292.401	87.5618	87.2385	87.2100
Zn 206.200	1314.32	1316.05	1313.94

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.1052b	ppb	0.2420	230.0	-40.4601
Al 308.215	25677.4b	ppb	6.8899	0.0	170514
As 188.980	990.127b	ppb	8.1317	0.8	528.371
B 249.678	18.5769b	ppb	0.5917	3.2	72.2146
Ba 389.178	641.479b	ppb	2.5089	0.4	13047.0
Be 313.042	2.8895b	ppb	0.0114	0.4	4877.27
Ca 370.602	1603983xb	ppb	4474	0.3	3707036
Cd 226.502	3.7610b	ppb	0.0727	1.9	570.209
Co 228.615	24.1234b	ppb	0.4833	2.0	272.353
Cr 267.716	71.9781b	ppb	0.1178	0.2	3666.94
Cu 324.754	262.937b	ppb	1.8174	0.7	18739.1
Fe 271.441	116283b	ppb	41.2902	0.0	163767
K 766.491	3448.73b	ppb	0.8169	0.0	147856
Mg 279.078	23215.3b	ppb	12.5512	0.1	56360.0
Mn 257.610	2829.53b	ppb	2.3693	0.1	585685
Mo 202.032	21.6972b	ppb	0.6907	3.2	135.492
Na 330.237	531.111b	ppb	275.921	52.0	-13.7876
Ni 231.604	62.7207b	ppb	1.2737	2.0	177.810
Pb 220.353	392.904b	ppb	0.5996	0.2	553.620
Sb 206.834	7.4138b	ppb	3.6475	49.2	14.8471
Se 196.026	13.1697b	ppb	4.5897	34.9	9.2364
Sn 189.925	165.265b	ppb	2.1171	1.3	103.286
Sr 216.596	405.070b	ppb	1.3051	0.3	5098.12
Ti 334.941	583.499b	ppb	1.0616	0.2	161901
Tl 190.794	-4.3046b	ppb	5.0667	117.7	-22.7423
V 292.401	87.3368b	ppb	0.1954	0.2	2300.44
Zn 206.200	1314.77b	ppb	1.1234	0.1	1182.72

680-106194-b-3-a (Samp) **10/15/2014, 4:04:07 PM** **Rack 2, Tube 18**

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

Label	Replicates Concentration		
Ag 328.068	8.0833	9.6064	7.8734
Al 308.215	55617.1	55518.4	55644.1
As 188.980	291.604	300.391	298.275

Label	Replicates Concentration		
B 249.678	165.156u	166.315u	173.892u
Ba 389.178	2714.79	2716.21	2719.04
Be 313.042	5.7331	5.7463	5.7587
Ca 370.602	441445	437753	434339
Cd 226.502	69.4136	70.8343	74.0455
Co 228.615	173.866	171.286	168.923
Cr 267.716	2956.44	2949.08	2949.26
Cu 324.754	28423.9	28251.6	28710.3
Fe 271.441	2130494x	2119748x	2135561x
K 766.491	6978.33	6972.66	6988.93
Mg 279.078	127825	127582	127723
Mn 257.610	17736.8	17720.3	17639.1
Mo 202.032	1001.37	1002.78	1000.97
Na 330.237	2682.58u	2457.64u	2419.24u
Ni 231.604	2007.59	1999.09	1993.74
Pb 220.353	2978.56	2976.29	2980.99
Sb 206.834	31.0452	35.9573	22.4321
Se 196.026	-19.7098	-2.1624	-17.0816
Sn 189.925	370.565	370.213	370.113
Sr 216.596	902.281	899.955	898.119
Ti 334.941	1425.77	1423.52	1425.11
Tl 190.794	-108.078u	-99.6801u	-99.0286u
V 292.401	297.607	297.231	296.983
Zn 206.200	8116.47	8119.00	8105.66

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	8.5210b	ppb	0.9458	11.1	367.099
Al 308.215	55593.2b	ppb	66.1569	0.1	371915
As 188.980	296.757b	ppb	4.5861	1.5	145.780
B 249.678	168.455b	ppb	4.7449	2.8	-1890.71
Ba 389.178	2716.68b	ppb	2.1658	0.1	56278.2
Be 313.042	5.7460b	ppb	0.0128	0.2	8973.06
Ca 370.602	437845b	ppb	3554	0.8	992232
Cd 226.502	71.4311b	ppb	2.3729	3.3	10306.8
Co 228.615	171.358b	ppb	2.4719	1.4	1928.08
Cr 267.716	2951.59b	ppb	4.1997	0.1	147509
Cu 324.754	28461.9b	ppb	231.678	0.8	1997385
Fe 271.441	2128601xb	ppb	8074.61	0.4	2997650
K 766.491	6979.97b	ppb	8.2567	0.1	298916
Mg 279.078	127710b	ppb	121.934	0.1	309946
Mn 257.610	17698.7b	ppb	52.3408	0.3	3667004
Mo 202.032	1001.71b	ppb	0.9496	0.1	6113.94
Na 330.237	2519.82b	ppb	142.256	5.6	-563.225
Ni 231.604	2000.14b	ppb	6.9841	0.3	5698.34
Pb 220.353	2978.61b	ppb	2.3506	0.1	4121.93
Sb 206.834	29.8115b	ppb	6.8465	23.0	119.286
Se 196.026	-12.9846b	ppb	9.4640	72.9	17.3079
Sn 189.925	370.297b	ppb	0.2372	0.1	238.088
Sr 216.596	900.118b	ppb	2.0858	0.2	12198.4
Ti 334.941	1424.80b	ppb	1.1593	0.1	395751
Tl 190.794	-102.262b	ppb	5.0471	4.9	-356.300
V 292.401	297.274b	ppb	0.3143	0.1	8199.51
Zn 206.200	8113.71b	ppb	7.0850	0.1	7232.10

680-106194-a-23-a (Samp) **10/15/2014, 4:08:22 PM** **Rack 2, Tube 19**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Replicates Concentration		
Ag 328.068	-1.5011u	-1.3632u	-1.5157u
Al 308.215	46520.9	46447.1	46477.7
As 188.980	62.6994	58.8418	57.1227
B 249.678	28.6909	28.1025	27.3860
Ba 389.178	574.141	571.129	571.969
Be 313.042	4.5671	4.5627	4.5590
Ca 370.602	1270214x	1265594x	1270963x
Cd 226.502	0.8368	0.9663	1.2307
Co 228.615	29.5984	30.1929	29.2094
Cr 267.716	90.0125	90.5560	90.5484
Cu 324.754	42.6781	41.7221	41.3425
Fe 271.441	66152.5	66047.5	65897.4
K 766.491	3808.56	3810.51	3806.80
Mg 279.078	25984.3	25938.0	25922.8
Mn 257.610	4343.05	4326.82	4322.86
Mo 202.032	4.7504	4.3868	4.8468
Na 330.237	519.953	316.562u	167.419u
Ni 231.604	38.1644	38.0767	38.5569
Pb 220.353	90.9770	86.5124	88.3968
Sb 206.834	-1.1932	-0.3249	-4.4587u
Se 196.026	7.1327	17.9197	4.0983
Sn 189.925	15.0182	12.1195	13.8080
Sr 216.596	258.603	256.687	256.117
Ti 334.941	369.008	369.451	369.540
Tl 190.794	-1.2281u	-5.2002u	-2.0598u
V 292.401	113.085	112.288	112.388
Zn 206.200	99.0862	96.2332	97.8245

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-1.4600b	ppb	0.0841	5.8	-124.677
Al 308.215	46481.9b	ppb	37.0853	0.1	308101
As 188.980	59.5546b	ppb	2.8559	4.8	29.5796
B 249.678	28.0598b	ppb	0.6535	2.3	321.059
Ba 389.178	572.413b	ppb	1.5539	0.3	11624.6
Be 313.042	4.5630b	ppb	0.0040	0.1	7506.32
Ca 370.602	1268924xb	ppb	2908	0.2	2932933
Cd 226.502	1.0113b	ppb	0.2008	19.9	287.562
Co 228.615	29.6669b	ppb	0.4953	1.7	323.434
Cr 267.716	90.3723b	ppb	0.3116	0.3	4563.93
Cu 324.754	41.9142b	ppb	0.6882	1.6	3215.53
Fe 271.441	66032.5b	ppb	128.218	0.2	93001.7
K 766.491	3808.62b	ppb	1.8568	0.0	163251
Mg 279.078	25948.3b	ppb	32.0210	0.1	62965.1
Mn 257.610	4330.91b	ppb	10.6976	0.2	896030
Mo 202.032	4.6613b	ppb	0.2426	5.2	32.1892
Na 330.237	334.645b	ppb	176.961	52.9	19.3388
Ni 231.604	38.2660b	ppb	0.2557	0.7	106.223
Pb 220.353	88.6287b	ppb	2.2413	2.5	122.924
Sb 206.834	-1.9923b	ppb	2.1797	109.4	1.3729
Se 196.026	9.7169b	ppb	7.2640	74.8	7.8138
Sn 189.925	13.6486b	ppb	1.4559	10.7	3.6009
Sr 216.596	257.136b	ppb	1.3024	0.5	3315.65

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ti 334.941	369.333b	ppb	0.2849	0.1	102474
Tl 190.794	-2.8293b	ppb	2.0949	74.0	-14.4683
V 292.401	112.587b	ppb	0.4340	0.4	2935.47
Zn 206.200	97.7146b	ppb	1.4296	1.5	86.6029

680-106194-a-26-a (Samp) **10/15/2014, 4:17:19 PM** **Rack 2, Tube 20**

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

Label	Replicates Concentration		
Ag 328.068	-2.3031u	-2.9401u	-2.6138u
Al 308.215	75949.3	75719.8	75216.1
As 188.980	249.336	251.086	251.599
B 249.678	11.3260u	11.3683u	11.3509u
Ba 389.178	328.455	328.388	327.254
Be 313.042	19.2903	19.3038	19.2675
Ca 370.602	15722	15801	15796
Cd 226.502	-2.0458	-2.1031	-2.3311
Co 228.615	63.9706	63.9780	63.4427
Cr 267.716	130.137	130.467	130.404
Cu 324.754	139.202	141.953	141.965
Fe 271.441	209309	209767	209252
K 766.491	5372.58	5380.91	5366.17
Mg 279.078	10132.3	10136.9	10127.4
Mn 257.610	5216.20	5234.81	5228.74
Mo 202.032	22.1867	23.1329	22.6855
Na 330.237	606.518u	806.838u	895.638u
Ni 231.604	272.897	272.523	274.089
Pb 220.353	261.312	256.011	264.969
Sb 206.834	4.3617	2.9377	4.7527
Se 196.026	6.0058	13.5764	-1.5954
Sn 189.925	18.2247	21.8851	19.8739
Sr 216.596	31.4390	31.6141	31.3642
Ti 334.941	667.549	668.340	667.767
Tl 190.794	-4.5022u	0.7350u	-0.9641u
V 292.401	230.957	231.610	231.192
Zn 206.200	187.740	187.785	189.748

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-2.6190	ppb	0.3185	12.2	-221.588
Al 308.215	75628.4	ppb	375.071	0.5	501225
As 188.980	250.674	ppb	1.1866	0.5	131.596
B 249.678	11.3484	ppb	0.0213	0.2	-232.690
Ba 389.178	328.032	ppb	0.6749	0.2	6720.13
Be 313.042	19.2872	ppb	0.0183	0.1	31093.3
Ca 370.602	15773	ppb	44.25	0.3	34775
Cd 226.502	-2.1600	ppb	0.1510	7.0	681.498
Co 228.615	63.7971	ppb	0.3069	0.5	693.174
Cr 267.716	130.336	ppb	0.1752	0.1	6613.65
Cu 324.754	141.040	ppb	1.5918	1.1	10226.3
Fe 271.441	209443	ppb	282.425	0.1	294965
K 766.491	5373.22	ppb	7.3895	0.1	230181
Mg 279.078	10132.2	ppb	4.7773	0.0	24513.3
Mn 257.610	5226.59	ppb	9.4915	0.2	1081527
Mo 202.032	22.6684	ppb	0.4733	2.1	137.384

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Na 330.237	769.665	ppb	148.101	19.2	3.5175
Ni 231.604	273.170	ppb	0.8176	0.3	767.833
Pb 220.353	260.764	ppb	4.5042	1.7	359.377
Sb 206.834	4.0174	ppb	0.9552	23.8	13.7490
Se 196.026	5.9956	ppb	7.5859	126.5	7.6411
Sn 189.925	19.9946	ppb	1.8332	9.2	7.7732
Sr 216.596	31.4725	ppb	0.1282	0.4	569.716
Ti 334.941	667.885	ppb	0.4089	0.1	185308
Tl 190.794	-1.5771	ppb	2.6719	169.4	-29.8739
V 292.401	231.253	ppb	0.3306	0.1	6061.91
Zn 206.200	188.424	ppb	1.1464	0.6	162.853

680-106194-a-29-a (Samp) **10/15/2014, 4:21:35 PM** **Rack 2, Tube 21**

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

Label	Replicates Concentration		
Ag 328.068	-2.0018u	-2.1011u	-2.0022u
Al 308.215	166405	166418	166471
As 188.980	339.864	343.228	352.518
B 249.678	17.9027u	16.3028u	17.5774u
Ba 389.178	567.913	569.055	567.754
Be 313.042	8.4772	8.5053	8.4924
Ca 370.602	24807	24832	24742
Cd 226.502	-2.2995	-2.3304	-2.6365
Co 228.615	110.339	110.862	111.823
Cr 267.716	329.442	329.401	328.793
Cu 324.754	445.735	441.874	442.502
Fe 271.441	353646	354605	353689
K 766.491	12303.8	12318.5	12338.2
Mg 279.078	8197.30	8197.83	8186.62
Mn 257.610	9807.02	9791.78	9798.25
Mo 202.032	32.5096	32.5588	33.0558
Na 330.237	299.903u	496.207u	391.301u
Ni 231.604	259.407	257.315	259.761
Pb 220.353	240.477	238.150	241.157
Sb 206.834	-6.4889	1.1143	-0.5584
Se 196.026	4.3536	2.3416	12.9525
Sn 189.925	20.6877	22.4753	29.2404
Sr 216.596	65.5263	64.5908	65.1376
Ti 334.941	1207.01	1208.47	1209.68
Tl 190.794	-8.4560u	-4.0503u	-2.9093u
V 292.401	499.138	500.724	499.325
Zn 206.200	325.824	324.365	315.268

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-2.0350	ppb	0.0572	2.8	-177.601
Al 308.215	166432	ppb	34.9263	0.0	1102367
As 188.980	345.204	ppb	6.5543	1.9	182.309
B 249.678	17.2610	ppb	0.8456	4.9	-446.872
Ba 389.178	568.241	ppb	0.7096	0.1	11662.2
Be 313.042	8.4916	ppb	0.0141	0.2	13534.4
Ca 370.602	24794	ppb	46.80	0.2	54504
Cd 226.502	-2.4221	ppb	0.1863	7.7	1188.59
Co 228.615	111.008	ppb	0.7528	0.7	1204.42

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Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Cr 267.716	329.212	ppb	0.3633	0.1	16565.4
Cu 324.754	443.370	ppb	2.0718	0.5	31487.1
Fe 271.441	353980	ppb	541.715	0.2	498518
K 766.491	12320.2	ppb	17.2690	0.1	527359
Mg 279.078	8193.91	ppb	6.3254	0.1	19689.2
Mn 257.610	9799.02	ppb	7.6497	0.1	2027466
Mo 202.032	32.7081	ppb	0.3021	0.9	193.076
Na 330.237	395.804	ppb	98.2295	24.8	-52.7288
Ni 231.604	258.828	ppb	1.3219	0.5	739.076
Pb 220.353	239.928	ppb	1.5768	0.7	320.510
Sb 206.834	-1.9777	ppb	3.9954	202.0	12.1118
Se 196.026	6.5492	ppb	5.6359	86.1	9.8284
Sn 189.925	24.1344	ppb	4.5113	18.7	10.4946
Sr 216.596	65.0849	ppb	0.4700	0.7	1095.08
Ti 334.941	1208.39	ppb	1.3372	0.1	335304
Tl 190.794	-5.1385	ppb	2.9291	57.0	-48.1729
V 292.401	499.729	ppb	0.8665	0.2	13069.4
Zn 206.200	321.819	ppb	5.7201	1.8	277.158

680-106198-b-3-a (Samp) **10/15/2014, 4:25:52 PM** **Rack 2, Tube 22**

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

Label	Replicates Concentration		
Ag 328.068	5.4025	5.3103	5.0242
Al 308.215	44849.3	44839.8	44826.4
As 188.980	110.477	111.649	107.787
B 249.678	207.445	208.455	210.664
Ba 389.178	2100.34	2094.83	2092.51
Be 313.042	3.7376	3.7234	3.7365
Ca 370.602	936118x	936455x	932368x
Cd 226.502	30.9946	30.4553	30.6926
Co 228.615	56.1458	55.9505	56.6546
Cr 267.716	532.790	532.788	532.773
Cu 324.754	3157.84	3136.76	3153.69
Fe 271.441	297052	296497	296398
K 766.491	4859.39	4855.67	4859.32
Mg 279.078	36497.1	36238.2	36243.1
Mn 257.610	3094.45	3110.16	3106.41
Mo 202.032	108.373	109.057	109.032
Na 330.237	4444.00u	4409.15u	4401.73u
Ni 231.604	279.616	277.163	278.933
Pb 220.353	3652.18	3657.33	3653.09
Sb 206.834	91.2579	97.4345	92.7812
Se 196.026	6.9018	14.0065	-8.6398u
Sn 189.925	190.989	191.142	196.732
Sr 216.596	713.827	712.699	711.761
Ti 334.941	892.437	891.561	891.195
Tl 190.794	-15.5411u	-11.7421u	-7.6545u
V 292.401	139.118	138.818	139.881
Zn 206.200	18795.8	18817.1	18836.9

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	5.2457b	ppb	0.1972	3.8	338.756
Al 308.215	44838.5b	ppb	11.4638	0.0	297620

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
As 188.980	109.971b	ppb	1.9801	1.8	55.3717
B 249.678	208.855b	ppb	1.6464	0.8	2571.88
Ba 389.178	2095.89b	ppb	4.0171	0.2	42651.8
Be 313.042	3.7325b	ppb	0.0079	0.2	6031.74
Ca 370.602	934980xb	ppb	2269	0.2	2158871
Cd 226.502	30.7141b	ppb	0.2703	0.9	2224.04
Co 228.615	56.2503b	ppb	0.3635	0.6	622.846
Cr 267.716	532.784b	ppb	0.0091	0.0	26613.2
Cu 324.754	3149.43b	ppb	11.1661	0.4	221265
Fe 271.441	296649b	ppb	352.488	0.1	417773
K 766.491	4858.13b	ppb	2.1297	0.0	208147
Mg 279.078	36326.1b	ppb	148.038	0.4	88201.1
Mn 257.610	3103.67b	ppb	8.2074	0.3	642976
Mo 202.032	108.821b	ppb	0.3878	0.4	666.893
Na 330.237	4418.30b	ppb	22.5704	0.5	-306.119
Ni 231.604	278.571b	ppb	1.2658	0.5	789.481
Pb 220.353	3654.20b	ppb	2.7488	0.1	5193.05
Sb 206.834	93.8245b	ppb	3.2178	3.4	137.578
Se 196.026	4.0895b	ppb	11.5821	283.2	7.1621
Sn 189.925	192.954b	ppb	3.2727	1.7	121.491
Sr 216.596	712.762b	ppb	1.0345	0.1	8419.83
Ti 334.941	891.731b	ppb	0.6380	0.1	247474
Tl 190.794	-11.6459b	ppb	3.9442	33.9	-51.5887
V 292.401	139.273b	ppb	0.5481	0.4	3682.35
Zn 206.200	18816.6b	ppb	20.5631	0.1	16964.3

680-106198-b-4-a (Samp) **10/15/2014, 4:30:09 PM** **Rack 2, Tube 23**

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

Label	Replicates Concentration		
Ag 328.068	476.704	478.241	477.862
Al 308.215	77845.7	77916.3	77953.0
As 188.980	153.103	157.075	152.505
B 249.678	480.855	482.767	483.999
Ba 389.178	5059.61	5051.67	5062.60
Be 313.042	5.1851	5.1776	5.1756
Ca 370.602	976224x	967060x	967592x
Cd 226.502	56.4973	56.9727	56.3453
Co 228.615	88.6109	86.9351	87.9251
Cr 267.716	924.863	924.420	925.396
Cu 324.754	9552.40	9537.73	9640.66
Fe 271.441	564836	563281	563283
K 766.491	7411.78	7393.47	7422.15
Mg 279.078	69192.6	69247.1	69144.8
Mn 257.610	5890.05	5880.56	5879.56
Mo 202.032	146.775	147.962	147.126
Na 330.237	6789.16u	6504.09u	6545.41u
Ni 231.604	526.220	525.777	526.678
Pb 220.353	34893.0x	34913.5x	34847.2x
Sb 206.834	100.972	96.0801	104.955
Se 196.026	-0.4232	-0.2797	3.5262
Sn 189.925	1485.29	1482.78	1475.93
Sr 216.596	1381.74	1380.42	1377.53
Ti 334.941	1351.10	1349.65	1352.89

Label	Replicates Concentration		
Tl 190.794	-20.9533u	-25.1977u	-32.0546u
V 292.401	228.643	228.691	229.353
Zn 206.200	31481.9x	31441.1x	31366.4x

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	477.602b	ppb	0.8009	0.2	36821.4
Al 308.215	77905.0b	ppb	54.5757	0.1	516888
As 188.980	154.228b	ppb	2.4838	1.6	77.9745
B 249.678	482.540b	ppb	1.5842	0.3	6149.98
Ba 389.178	5057.96b	ppb	5.6473	0.1	102902
Be 313.042	5.1794b	ppb	0.0050	0.1	8381.09
Ca 370.602	970292xb	ppb	5144	0.5	2238115
Cd 226.502	56.6051b	ppb	0.3273	0.6	4148.19
Co 228.615	87.8237b	ppb	0.8425	1.0	976.036
Cr 267.716	924.893b	ppb	0.4888	0.1	46199.7
Cu 324.754	9576.93b	ppb	55.6744	0.6	672178
Fe 271.441	563800b	ppb	896.915	0.2	793995
K 766.491	7409.13b	ppb	14.5243	0.2	317274
Mg 279.078	69194.8b	ppb	51.1946	0.1	167994
Mn 257.610	5883.39b	ppb	5.7868	0.1	1218800
Mo 202.032	147.288b	ppb	0.6097	0.4	893.455
Na 330.237	6612.89b	ppb	154.047	2.3	-577.991
Ni 231.604	526.225b	ppb	0.4504	0.1	1495.86
Pb 220.353	34884.6xb	ppb	33.9534	0.1	49709.8
Sb 206.834	100.669b	ppb	4.4450	4.4	158.443
Se 196.026	0.9411b	ppb	2.2399	238.0	8.5068
Sn 189.925	1481.33b	ppb	4.8458	0.3	968.579
Sr 216.596	1379.90b	ppb	2.1490	0.2	15997.6
Ti 334.941	1351.21b	ppb	1.6228	0.1	375058
Tl 190.794	-26.0685b	ppb	5.6017	21.5	-96.4241
V 292.401	228.896b	ppb	0.3968	0.2	6085.18
Zn 206.200	31429.8xb	ppb	58.5621	0.2	28332.3

680-106198-b-7-a (Samp) **10/15/2014, 4:34:26 PM** **Rack 2, Tube 24**

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

Label	Replicates Concentration		
Ag 328.068	-1.8835u	-1.8629u	-2.1908u
Al 308.215	74764.7	74983.3	74909.3
As 188.980	83.0998	79.1418	84.5602
B 249.678	47.7581	47.0386	46.0291
Ba 389.178	674.717	675.346	674.754
Be 313.042	6.6912	6.7147	6.7015
Ca 370.602	433176	430901	431165
Cd 226.502	5.8583	5.8209	5.8497
Co 228.615	59.7532	59.6058	60.2010
Cr 267.716	144.721	144.791	144.766
Cu 324.754	325.278	327.879	327.340
Fe 271.441	127477	127492	127858
K 766.491	5654.86	5651.25	5651.57
Mg 279.078	29568.1	29635.5	29641.7
Mn 257.610	5017.89	5012.15	5038.87
Mo 202.032	12.2182	10.9648	11.2931
Na 330.237	500.070u	803.131u	527.231u

Label	Replicates Concentration		
Ni 231.604	115.785	114.724	115.579
Pb 220.353	577.541	583.915	592.531
Sb 206.834	0.4344	4.4286	3.2326
Se 196.026	-1.2053	-0.4969	0.6078
Sn 189.925	24.1856	30.9450	28.2471
Sr 216.596	161.762	162.632	163.442
Ti 334.941	619.520	620.367	619.418
Tl 190.794	-6.7384u	-3.3041u	-6.3045u
V 292.401	275.341	275.108	276.011
Zn 206.200	1695.82	1712.63	1710.46

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-1.9791	ppb	0.1836	9.3	-165.562
Al 308.215	74885.8	ppb	111.173	0.1	496178
As 188.980	82.2673	ppb	2.8035	3.4	41.6776
B 249.678	46.9419	ppb	0.8685	1.9	477.386
Ba 389.178	674.939	ppb	0.3530	0.1	13739.7
Be 313.042	6.7024	ppb	0.0118	0.2	10739.3
Ca 370.602	431747	ppb	1245	0.3	997153
Cd 226.502	5.8430	ppb	0.0196	0.3	688.543
Co 228.615	59.8533	ppb	0.3100	0.5	646.427
Cr 267.716	144.759	ppb	0.0356	0.0	7291.91
Cu 324.754	326.832	ppb	1.3730	0.4	23222.1
Fe 271.441	127609	ppb	216.160	0.2	179722
K 766.491	5652.56	ppb	1.9984	0.0	242131
Mg 279.078	29615.1	ppb	40.8421	0.1	71851.0
Mn 257.610	5022.97	ppb	14.0656	0.3	1039335
Mo 202.032	11.4920	ppb	0.6500	5.7	71.6711
Na 330.237	610.144	ppb	167.683	27.5	-22.4368
Ni 231.604	115.362	ppb	0.5626	0.5	324.439
Pb 220.353	584.662	ppb	7.5231	1.3	826.202
Sb 206.834	2.6986	ppb	2.0500	76.0	9.8733
Se 196.026	-0.3648	ppb	0.9137	250.5	4.5330
Sn 189.925	27.7926	ppb	3.4026	12.2	12.9002
Sr 216.596	162.612	ppb	0.8404	0.5	2061.21
Ti 334.941	619.768	ppb	0.5206	0.1	171980
Tl 190.794	-5.4490	ppb	1.8702	34.3	-23.8144
V 292.401	275.487	ppb	0.4685	0.2	7179.71
Zn 206.200	1706.31	ppb	9.1429	0.5	1535.33

Cont Calib Verif (CCV) **10/15/2014, 4:38:43 PM** **Rack 2, Tube 25**

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

Label	Replicates Concentration		
Ag 328.068	488.512	487.215	489.931
Al 308.215	4822.47	4818.11	4811.56
As 188.980	454.921	458.203	451.163
B 249.678	486.101	482.602	484.760
Ba 389.178	4797.01	4800.58	4801.72
Be 313.042	484.144	482.364	481.000
Ca 370.602	4911	4919	4903
Cd 226.502	485.491	485.048	485.622
Co 228.615	492.321	492.151	491.647
Cr 267.716	4838.36	4840.00	4845.00

Label	Replicates Concentration		
Cu 324.754	5002.19	4968.77	4988.13
Fe 271.441	4867.74	4866.20	4876.82
K 766.491	10070.5	10081.3	10074.3
Mg 279.078	4863.33	4851.68	4846.92
Mn 257.610	4959.51	4961.98	4955.91
Mo 202.032	487.628	489.327	490.682
Na 330.237	7479.15	7424.16	7741.50
Ni 231.604	2470.86	2465.95	2459.29
Pb 220.353	492.562	492.557	497.065
Sb 206.834	915.774	913.854	918.200
Se 196.026	4782.92	4794.60	4793.27
Sn 189.925	4858.38	4875.94	4889.42
Sr 216.596	2413.18	2409.72	2408.64
Ti 334.941	478.511	478.852	478.842
Tl 190.794	4995.48	4965.62	4969.69
V 292.401	4832.92	4838.36	4843.05
Zn 206.200	2423.40	2410.36	2410.89

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Ag 328.068	488.553	ppb	1.3585	0.3	37733.6	97.71059
Al 308.215	4817.38	ppb	5.4913	0.1	32777.5	96.34762
As 188.980	454.762	ppb	3.5223	0.8	241.463	90.95245
B 249.678	484.488	ppb	1.7652	0.4	7363.44	96.89751
Ba 389.178	4799.77	ppb	2.4593	0.1	97315.2	95.99537
Be 313.042	482.503	ppb	1.5767	0.3	785357	96.50056
Ca 370.602	4911	ppb	8.315	0.2	11622	98.21857
Cd 226.502	485.387	ppb	0.3007	0.1	18195.9	97.07741
Co 228.615	492.040	ppb	0.3503	0.1	5132.89	98.40794
Cr 267.716	4841.12	ppb	3.4573	0.1	240231	96.82236
Cu 324.754	4986.36	ppb	16.7816	0.3	349929	99.72723
Fe 271.441	4870.26	ppb	5.7387	0.1	6962.25	97.40511
K 766.491	10075.4	ppb	5.4822	0.1	431331	100.75376
Mg 279.078	4853.98	ppb	8.4392	0.2	11718.8	97.07955
Mn 257.610	4959.13	ppb	3.0516	0.1	1025598	99.18268
Mo 202.032	489.212	ppb	1.5300	0.3	3028.70	97.84246
Na 330.237	7548.27	ppb	169.585	2.2	321.370	100.64359
Ni 231.604	2465.37	ppb	5.8042	0.2	6824.00	98.61471
Pb 220.353	494.061	ppb	2.6015	0.5	708.104	98.81229
Sb 206.834	915.943	ppb	2.1778	0.2	1253.08	91.59425
Se 196.026	4790.27	ppb	6.3973	0.1	1848.05	95.80531
Sn 189.925	4874.58	ppb	15.5653	0.3	3199.59	97.49159
Sr 216.596	2410.51	ppb	2.3699	0.1	26280.1	96.42050
Ti 334.941	478.735	ppb	0.1942	0.0	132786	95.74693
Tl 190.794	4976.93	ppb	16.1920	0.3	4867.83	99.53857
V 292.401	4838.11	ppb	5.0696	0.1	125113	96.76225
Zn 206.200	2414.88	ppb	7.3801	0.3	2167.23	96.59526

Cont Calib Blank (CCB) **10/15/2014, 4:42:59 PM** **Rack 2, Tube 26**

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

Label	Replicates Concentration		
Ag 328.068	0.0328	0.0259	-0.1673u
Al 308.215	8.7770	10.4998	10.1973
As 188.980	1.6907	7.9596	-0.8134u

Label	Replicates Concentration		
B 249.678	10.2608	8.8618	7.6533
Ba 389.178	-0.0292u	0.2197	0.1734
Be 313.042	0.0359	0.0406	0.0511
Ca 370.602	8.844	15.46	15.83
Cd 226.502	0.0061	-0.1045u	-0.0941u
Co 228.615	-0.5340u	-0.0874u	-0.4276u
Cr 267.716	0.1471	0.4641	0.4221
Cu 324.754	0.5279	0.4726	0.2403
Fe 271.441	3.4159	5.7947	8.6046
K 766.491	-1.5038u	-0.6546u	-1.0541u
Mg 279.078	-2.3070u	0.2930	2.0484
Mn 257.610	0.5019	0.5603	0.5313
Mo 202.032	0.9504	0.7838	0.5718
Na 330.237	-14.6817u	-107.746u	-107.937u
Ni 231.604	1.7724	1.5459	2.2566
Pb 220.353	0.4056	2.1118	0.4338
Sb 206.834	8.1732	1.2086	2.7178
Se 196.026	2.3148	6.0033	-3.6912u
Sn 189.925	-0.5099u	0.1961	0.2325
Sr 216.596	0.1863	0.0759	0.1205
Ti 334.941	0.1491	0.1444	0.1370
Tl 190.794	-1.7343u	0.1476	0.4124
V 292.401	0.4861	0.4617	0.5788
Zn 206.200	0.1937	0.1946	-2.3147u

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Ag 328.068	-0.0362	ppb	0.1136	313.8	-13.2624	-0.03619
Al 308.215	9.8247	ppb	0.9199	9.4	459.483	9.82470
As 188.980	2.9456	ppb	4.5191	153.4	-0.8318	2.94562
B 249.678	8.9253	ppb	1.3049	14.6	170.465	8.92531
Ba 389.178	0.1213	ppb	0.1324	109.1	-48.3138	0.12130
Be 313.042	0.0425	ppb	0.0078	18.3	-247.907	0.04252
Ca 370.602	13.38	ppb	3.930	29.4	42.03	13.37607
Cd 226.502	-0.0642	ppb	0.0611	95.1	10.8350	-0.06418
Co 228.615	-0.3497	ppb	0.2333	66.7	-0.5076	-0.34966
Cr 267.716	0.3444	ppb	0.1722	50.0	48.2256	0.34444
Cu 324.754	0.4136	ppb	0.1526	36.9	278.930	0.41357
Fe 271.441	5.9384	ppb	2.5973	43.7	15.1610	5.93840
K 766.491	-1.0708	ppb	0.4249	39.7	279.275	-1.07081
Mg 279.078	0.0115	ppb	2.1913	19069.9	18.9461	0.01149
Mn 257.610	0.5312	ppb	0.0292	5.5	150.563	0.53115
Mo 202.032	0.7687	ppb	0.1898	24.7	11.0318	0.76871
Na 330.237	-76.7883	ppb	53.7860	70.0	18.3879	-76.78832
Ni 231.604	1.8583	ppb	0.3630	19.5	0.3725	1.85833
Pb 220.353	0.9838	ppb	0.9770	99.3	1.8371	0.98376
Sb 206.834	4.0332	ppb	3.6639	90.8	6.4297	4.03324
Se 196.026	1.5423	ppb	4.8932	317.3	3.3340	1.54230
Sn 189.925	-0.0271	ppb	0.4185	1544.6	-5.3906	-0.02709
Sr 216.596	0.1276	ppb	0.0556	43.6	3.7404	0.12756
Ti 334.941	0.1435	ppb	0.0061	4.3	-22.0453	0.14353
Tl 190.794	-0.3914	ppb	1.1705	299.0	-6.3481	-0.39143
V 292.401	0.5089	ppb	0.0618	12.1	5.9528	0.50885
Zn 206.200	-0.6421	ppb	1.4485	225.6	0.6261	-0.64213

680-106198-a-8-a (Samp) **10/15/2014, 4:47:15 PM** **Rack 2, Tube 27**

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

Label	Replicates Concentration		
Ag 328.068	-2.4003u	-2.5105u	-2.5425u
Al 308.215	76693.2	76553.2	76590.6
As 188.980	90.4960	88.8157	86.8195
B 249.678	27.2741	26.4961	26.0605
Ba 389.178	555.429	553.356	554.073
Be 313.042	6.3710	6.3864	6.3850
Ca 370.602	340744	340587	337591
Cd 226.502	-0.4553	-0.4811	-0.4885
Co 228.615	56.9484	56.6753	56.8621
Cr 267.716	120.242	120.488	120.075
Cu 324.754	95.9494	95.1060	94.2281
Fe 271.441	117986	117879	117729
K 766.491	6570.56	6568.78	6547.96
Mg 279.078	16501.0	16475.3	16453.3
Mn 257.610	4659.03	4658.94	4656.23
Mo 202.032	10.0084	10.6189	9.4239
Na 330.237	205.029u	277.868u	124.173u
Ni 231.604	79.1180	79.4367	80.0590
Pb 220.353	179.838	179.168	178.477
Sb 206.834	1.6036	4.9652	2.6232
Se 196.026	3.6929	3.2391	-5.0508u
Sn 189.925	19.2832	18.5323	25.6742
Sr 216.596	114.569	113.955	113.541
Ti 334.941	663.163	663.370	662.063
Tl 190.794	-5.6938u	-8.0892u	-1.7318u
V 292.401	199.093	199.293	198.926
Zn 206.200	165.596	159.723	159.593

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-2.4844	ppb	0.0746	3.0	-203.071
Al 308.215	76612.3	ppb	72.5233	0.1	507579
As 188.980	88.7104	ppb	1.8405	2.1	45.2024
B 249.678	26.6102	ppb	0.6148	2.3	191.204
Ba 389.178	554.286	ppb	1.0530	0.2	11270.8
Be 313.042	6.3808	ppb	0.0085	0.1	10182.9
Ca 370.602	339641	ppb	1777	0.5	784335
Cd 226.502	-0.4750	ppb	0.0174	3.7	415.767
Co 228.615	56.8286	ppb	0.1396	0.2	615.024
Cr 267.716	120.268	ppb	0.2078	0.2	6071.38
Cu 324.754	95.0945	ppb	0.8607	0.9	6965.70
Fe 271.441	117865	ppb	128.968	0.1	165999
K 766.491	6562.44	ppb	12.5660	0.2	281054
Mg 279.078	16476.5	ppb	23.8442	0.1	39937.5
Mn 257.610	4658.07	ppb	1.5913	0.0	963749
Mo 202.032	10.0171	ppb	0.5976	6.0	63.0515
Na 330.237	202.357	ppb	76.8824	38.0	-1.2456
Ni 231.604	79.5379	ppb	0.4786	0.6	224.433
Pb 220.353	179.161	ppb	0.6803	0.4	248.462
Sb 206.834	3.0640	ppb	1.7236	56.3	9.8046
Se 196.026	0.6271	ppb	4.9224	785.0	4.7623
Sn 189.925	21.1632	ppb	3.9246	18.5	8.5415
Sr 216.596	114.022	ppb	0.5172	0.5	1486.73

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ti 334.941	662.865	ppb	0.7021	0.1	183915
Tl 190.794	-5.1716	ppb	3.2107	62.1	-22.6240
V 292.401	199.104	ppb	0.1837	0.1	5198.16
Zn 206.200	161.637	ppb	3.4287	2.1	142.231

680-106198-b-11-a (Samp) **10/15/2014, 4:51:31 PM** **Rack 2, Tube 28**

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

Label	Replicates Concentration		
Ag 328.068	-0.8633u	-0.4315u	-0.4474u
Al 308.215	74959.2	75059.6	75006.8
As 188.980	156.826	152.720	157.429
B 249.678	57.5433	57.2287	57.9933
Ba 389.178	1107.21	1109.52	1109.74
Be 313.042	8.3770	8.3951	8.3894
Ca 370.602	181053	181590	180392
Cd 226.502	13.9837	13.6602	13.9390
Co 228.615	72.5882	71.9044	72.1572
Cr 267.716	165.605	165.174	165.222
Cu 324.754	1140.80	1124.97	1127.64
Fe 271.441	151408	151321	151386
K 766.491	6000.51	6028.53	6007.68
Mg 279.078	29312.4	29313.2	29306.2
Mn 257.610	5277.57	5290.21	5290.27
Mo 202.032	21.9392	22.1064	21.8351
Na 330.237	953.968u	883.204u	863.238u
Ni 231.604	148.988	148.487	151.321
Pb 220.353	2361.07	2357.97	2353.24
Sb 206.834	47.5835	41.7109	42.1623
Se 196.026	19.5792	7.7685	2.3550
Sn 189.925	158.085	151.189	152.125
Sr 216.596	426.035	426.745	426.038
Ti 334.941	995.019	995.812	996.952
Tl 190.794	-5.1510u	-2.9009u	-5.2646u
V 292.401	292.782	292.896	292.652
Zn 206.200	3445.50	3445.09	3458.54

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.5807	ppb	0.2448	42.2	-67.2492
Al 308.215	75008.6	ppb	50.2257	0.1	497032
As 188.980	155.658	ppb	2.5623	1.6	80.9256
B 249.678	57.5885	ppb	0.3843	0.7	589.710
Ba 389.178	1108.83	ppb	1.4024	0.1	22550.9
Be 313.042	8.3872	ppb	0.0093	0.1	13402.4
Ca 370.602	181012	ppb	599.9	0.3	417441
Cd 226.502	13.8610	ppb	0.1753	1.3	1072.44
Co 228.615	72.2166	ppb	0.3457	0.5	783.494
Cr 267.716	165.334	ppb	0.2362	0.1	8324.65
Cu 324.754	1131.14	ppb	8.4735	0.7	79643.2
Fe 271.441	151371	ppb	45.3526	0.0	213187
K 766.491	6012.24	ppb	14.5553	0.2	257518
Mg 279.078	29310.6	ppb	3.8215	0.0	71106.9
Mn 257.610	5286.02	ppb	7.3146	0.1	1093792
Mo 202.032	21.9602	ppb	0.1368	0.6	135.435

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Na 330.237	900.137	ppb	47.6758	5.3	-58.0233
Ni 231.604	149.599	ppb	1.5128	1.0	421.043
Pb 220.353	2357.43	ppb	3.9457	0.2	3352.52
Sb 206.834	43.8189	ppb	3.2680	7.5	64.8422
Se 196.026	9.9009	ppb	8.8079	89.0	8.7091
Sn 189.925	153.800	ppb	3.7408	2.4	95.7477
Sr 216.596	426.273	ppb	0.4089	0.1	4879.50
Ti 334.941	995.928	ppb	0.9718	0.1	276359
Tl 190.794	-4.4388	ppb	1.3331	30.0	-25.5100
V 292.401	292.777	ppb	0.1224	0.0	7639.23
Zn 206.200	3449.71	ppb	7.6493	0.2	3107.23

680-106200-b-37-b (Samp) **10/15/2014, 4:55:46 PM** **Rack 2, Tube 29**

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

Label	Replicates Concentration		
Ag 328.068	0.5739	1.4544	1.2251
Al 308.215	27630.6	27546.5	27588.6
As 188.980	122.257	124.074	120.328
B 249.678	18.5587	18.1347	18.0923
Ba 389.178	781.039	778.459	778.907
Be 313.042	4.1557	4.1480	4.1628
Ca 370.602	20223	20242	20302
Cd 226.502	1.3893	1.3122	1.0529
Co 228.615	40.2990	39.9207	39.7800
Cr 267.716	88.1444	88.1768	88.1047
Cu 324.754	189.814	190.995	189.685
Fe 271.441	96682.1	96289.7	96544.1
K 766.491	2681.01	2676.46	2682.55
Mg 279.078	3669.19	3660.10	3665.84
Mn 257.610	1984.42	1981.32	1984.72
Mo 202.032	18.1225	17.2422	17.7999
Na 330.237	583.503u	576.397u	449.055u
Ni 231.604	95.6371	96.0869	95.5925
Pb 220.353	542.913	541.165	544.309
Sb 206.834	8.7564	9.4590	4.1863
Se 196.026	5.4511	13.1326	6.9901
Sn 189.925	53.1329	49.5101	45.4343
Sr 216.596	226.371	224.494	225.016
Ti 334.941	1020.14	1016.61	1018.76
Tl 190.794	-3.2101u	-1.8538u	-0.6067u
V 292.401	113.796	113.444	113.442
Zn 206.200	1009.73	1014.19	1002.94

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	1.0845	ppb	0.4568	42.1	60.9832
Al 308.215	27588.6	ppb	42.0303	0.2	183130
As 188.980	122.220	ppb	1.8735	1.5	62.8764
B 249.678	18.2619	ppb	0.2579	1.4	109.371
Ba 389.178	779.468	ppb	1.3782	0.2	15811.0
Be 313.042	4.1555	ppb	0.0074	0.2	6455.86
Ca 370.602	20256	ppb	41.17	0.2	46299
Cd 226.502	1.2515	ppb	0.1763	14.1	404.691
Co 228.615	39.9999	ppb	0.2684	0.7	444.997

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Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Cr 267.716	88.1420	ppb	0.0361	0.0	4457.14
Cu 324.754	190.165	ppb	0.7217	0.4	13626.3
Fe 271.441	96505.3	ppb	199.093	0.2	135917
K 766.491	2680.01	ppb	3.1672	0.1	114971
Mg 279.078	3665.04	ppb	4.5945	0.1	8877.37
Mn 257.610	1983.49	ppb	1.8859	0.1	410511
Mo 202.032	17.7215	ppb	0.4453	2.5	111.715
Na 330.237	536.318	ppb	75.6559	14.1	-2.0927
Ni 231.604	95.7722	ppb	0.2735	0.3	267.809
Pb 220.353	542.796	ppb	1.5751	0.3	768.194
Sb 206.834	7.4672	ppb	2.8630	38.3	14.5175
Se 196.026	8.5246	ppb	4.0642	47.7	7.1332
Sn 189.925	49.3591	ppb	3.8515	7.8	27.0799
Sr 216.596	225.293	ppb	0.9690	0.4	2571.85
Ti 334.941	1018.51	ppb	1.7789	0.2	282573
Tl 190.794	-1.8902	ppb	1.3021	68.9	-18.2747
V 292.401	113.561	ppb	0.2037	0.2	2979.09
Zn 206.200	1008.95	ppb	5.6695	0.6	907.543

CRI (Samp) **10/15/2014, 5:00:02 PM** **Rack 2, Tube 30**

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

Label	Replicates Concentration		
Ag 328.068	10.6824	10.8312	10.5265
Al 308.215	217.585	217.737	215.278
As 188.980	23.7094	27.2547	24.5391
B 249.678	102.260	102.715	103.146
Ba 389.178	9.8814	9.4981	9.9264
Be 313.042	4.1681	4.1698	4.1697
Ca 370.602	526.1	523.6	525.7
Cd 226.502	5.1950	5.1771	5.2589
Co 228.615	10.4300	10.5811	10.1085
Cr 267.716	10.5789	10.2604	10.4872
Cu 324.754	21.8543	21.6656	21.9726
Fe 271.441	65.3698	62.7426	69.1969
K 766.491	1077.55	1077.98	1079.38
Mg 279.078	514.908	513.451	514.594
Mn 257.610	11.4272	11.3776	11.3849
Mo 202.032	9.8878	9.9564	10.1057
Na 330.237	858.081	855.160	852.625
Ni 231.604	41.8655	42.1054	41.4922
Pb 220.353	10.3536	11.8613	9.4268
Sb 206.834	18.4767	22.3713	19.3607
Se 196.026	26.5161	20.6887	28.0437
Sn 189.925	51.5801	53.1045	50.6253
Sr 216.596	10.1148	10.0700	10.8769
Ti 334.941	10.6537	10.5782	10.6045
Tl 190.794	25.2544	27.6017	27.9620
V 292.401	10.5069	10.5059	10.3703
Zn 206.200	20.6303	20.4730	21.9396

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	10.6801	ppb	0.1524	1.4	815.291
Al 308.215	216.867	ppb	1.3777	0.6	1831.06

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Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
As 188.980	25.1677	ppb	1.8544	7.4	11.0893
B 249.678	102.707	ppb	0.4431	0.4	1588.62
Ba 389.178	9.7686	ppb	0.2354	2.4	148.085
Be 313.042	4.1692	ppb	0.0010	0.0	6469.49
Ca 370.602	525.1	ppb	1.337	0.3	1228
Cd 226.502	5.2103	ppb	0.0430	0.8	208.437
Co 228.615	10.3732	ppb	0.2414	2.3	111.153
Cr 267.716	10.4422	ppb	0.1640	1.6	549.261
Cu 324.754	21.8308	ppb	0.1548	0.7	1781.30
Fe 271.441	65.7698	ppb	3.2457	4.9	100.692
K 766.491	1078.30	ppb	0.9578	0.1	46452.9
Mg 279.078	514.318	ppb	0.7672	0.1	1268.19
Mn 257.610	11.3965	ppb	0.0268	0.2	2401.35
Mo 202.032	9.9833	ppb	0.1114	1.1	68.0427
Na 330.237	855.289	ppb	2.7302	0.3	62.3784
Ni 231.604	41.8211	ppb	0.3090	0.7	111.056
Pb 220.353	10.5472	ppb	1.2287	11.6	15.4582
Sb 206.834	20.0695	ppb	2.0418	10.2	27.5411
Se 196.026	25.0828	ppb	3.8813	15.5	12.4000
Sn 189.925	51.7700	ppb	1.2505	2.4	28.6654
Sr 216.596	10.3539	ppb	0.4535	4.4	114.627
Ti 334.941	10.6121	ppb	0.0383	0.4	2883.59
Tl 190.794	26.9393	ppb	1.4703	5.5	20.3836
V 292.401	10.4611	ppb	0.0786	0.8	262.188
Zn 206.200	21.0143	ppb	0.8052	3.8	20.1357

mb 680-353346/1-a (Samp) **10/15/2014, 5:04:18 PM** **Rack 2, Tube 31**

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

Label	Replicates Concentration		
Ag 328.068	0.0293	-0.5482u	-0.0110u
Al 308.215	10.4511	8.9812	10.6379
As 188.980	1.0060	5.9338	8.4690
B 249.678	3.3446	2.8926	3.0107
Ba 389.178	-0.4010u	-0.0899u	-0.5363u
Be 313.042	0.0173	0.0059	0.0126
Ca 370.602	12.49	15.32	12.42
Cd 226.502	-0.0174u	-0.0665u	-0.0816u
Co 228.615	-0.4370u	-0.2895u	-0.2878u
Cr 267.716	0.7894	0.5308	0.5096
Cu 324.754	-0.0767u	-0.1136u	-0.1613u
Fe 271.441	10.0877	8.9990	-0.3136u
K 766.491	6.0906	5.5834	6.1962
Mg 279.078	1.0231	0.7180	-0.5760u
Mn 257.610	0.2198	0.1642	0.2153
Mo 202.032	0.0772	0.0025	0.0337
Na 330.237	-87.7251u	12.0725	-8.0743u
Ni 231.604	1.5301	0.6108	1.5265
Pb 220.353	0.5126	-0.7366u	2.0390
Sb 206.834	4.5232	3.7198	3.1350
Se 196.026	-3.0372u	-0.6610u	1.8183
Sn 189.925	9.1250	9.7791	11.2455
Sr 216.596	0.3343	-0.0473u	0.1415
Ti 334.941	0.2766	0.2578	0.2807

Label	Replicates Concentration		
Tl 190.794	-0.1011u	2.2476	-0.6449u
V 292.401	0.0222	-0.0561u	0.2476
Zn 206.200	1.5049	0.8043	2.2530

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.1767	ppb	0.3224	182.5	-24.1225
Al 308.215	10.0234	ppb	0.9074	9.1	460.709
As 188.980	5.1363	ppb	3.7949	73.9	0.3436
B 249.678	3.0826	ppb	0.2344	7.6	82.1145
Ba 389.178	-0.3424	ppb	0.2289	66.8	-57.7237
Be 313.042	0.0119	ppb	0.0057	47.8	-297.614
Ca 370.602	13.41	ppb	1.654	12.3	42.14
Cd 226.502	-0.0552	ppb	0.0336	60.8	11.1707
Co 228.615	-0.3381	ppb	0.0857	25.3	-0.3696
Cr 267.716	0.6099	ppb	0.1558	25.5	61.4033
Cu 324.754	-0.1172	ppb	0.0424	36.2	241.677
Fe 271.441	6.2577	ppb	5.7169	91.4	15.5982
K 766.491	5.9567	ppb	0.3276	5.5	579.901
Mg 279.078	0.3884	ppb	0.8490	218.6	19.8682
Mn 257.610	0.1997	ppb	0.0309	15.5	82.0213
Mo 202.032	0.0378	ppb	0.0375	99.2	6.5093
Na 330.237	-27.9090	ppb	52.7726	189.1	20.6798
Ni 231.604	1.2225	ppb	0.5297	43.3	-1.3888
Pb 220.353	0.6050	ppb	1.3901	229.8	1.2983
Sb 206.834	3.7927	ppb	0.6969	18.4	6.1323
Se 196.026	-0.6266	ppb	2.4279	387.5	2.4989
Sn 189.925	10.0499	ppb	1.0859	10.8	1.2348
Sr 216.596	0.1428	ppb	0.1908	133.6	3.9307
Ti 334.941	0.2717	ppb	0.0122	4.5	13.5211
Tl 190.794	0.5005	ppb	1.5373	307.1	-5.4745
V 292.401	0.0712	ppb	0.1576	221.3	-5.2694
Zn 206.200	1.5207	ppb	0.7245	47.6	2.5766

lcs 680-353346/2-a (Samp) **10/15/2014, 5:08:34 PM** **Rack 2, Tube 32**

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

Label	Replicates Concentration		
Ag 328.068	48.5152	48.8493	49.1536
Al 308.215	4758.72	4758.60	4775.09
As 188.980	102.813	111.864	109.832
B 249.678	185.651	186.676	188.195
Ba 389.178	97.5599	96.8771	96.5953
Be 313.042	49.6997	49.5833	49.7868
Ca 370.602	4878	4846	4864
Cd 226.502	49.1707	49.1099	49.1720
Co 228.615	49.8916	49.2979	50.0213
Cr 267.716	99.4895	99.1298	99.6479
Cu 324.754	100.014	97.5953	99.9653
Fe 271.441	4898.80	4888.42	4888.90
K 766.491	4941.23	4933.45	4959.53
Mg 279.078	4793.07	4779.48	4787.55
Mn 257.610	512.836	511.034	511.868
Mo 202.032	97.8775	98.8167	98.8802
Na 330.237	4539.19	4560.23	4394.09

Label	Replicates Concentration		
Ni 231.604	99.0560	97.1298	99.5521
Pb 220.353	494.050	489.835	491.344
Sb 206.834	52.9557	48.7982	51.0217
Se 196.026	100.151	100.682	100.325
Sn 189.925	198.735	203.683	205.397
Sr 216.596	96.9679	96.6741	96.7890
Ti 334.941	98.3756	98.0500	98.6350
Tl 190.794	40.9250	41.3613	42.6960
V 292.401	98.2996	98.1356	98.6619
Zn 206.200	100.672	100.227	100.870

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	48.8394	ppb	0.3193	0.7	3765.62
Al 308.215	4764.14	ppb	9.4853	0.2	31943.1
As 188.980	108.169	ppb	4.7490	4.4	55.6108
B 249.678	186.840	ppb	1.2797	0.7	2851.08
Ba 389.178	97.0108	ppb	0.4960	0.5	1925.85
Be 313.042	49.6899	ppb	0.1021	0.2	80569.6
Ca 370.602	4863	ppb	16.05	0.3	11250
Cd 226.502	49.1509	ppb	0.0354	0.1	1870.15
Co 228.615	49.7369	ppb	0.3857	0.8	521.060
Cr 267.716	99.4224	ppb	0.2655	0.3	4967.98
Cu 324.754	99.1914	ppb	1.3825	1.4	7211.26
Fe 271.441	4892.04	ppb	5.8594	0.1	6902.41
K 766.491	4944.73	ppb	13.3908	0.3	211852
Mg 279.078	4786.70	ppb	6.8335	0.1	11637.2
Mn 257.610	511.913	ppb	0.9023	0.2	105949
Mo 202.032	98.5248	ppb	0.5615	0.6	615.675
Na 330.237	4497.84	ppb	90.4640	2.0	233.245
Ni 231.604	98.5793	ppb	1.2796	1.3	268.571
Pb 220.353	491.743	ppb	2.1360	0.4	701.265
Sb 206.834	50.9252	ppb	2.0804	4.1	67.9370
Se 196.026	100.386	ppb	0.2704	0.3	41.5252
Sn 189.925	202.605	ppb	3.4593	1.7	127.838
Sr 216.596	96.8103	ppb	0.1480	0.2	1063.54
Ti 334.941	98.3535	ppb	0.2931	0.3	27237.9
Tl 190.794	41.6608	ppb	0.9227	2.2	34.3862
V 292.401	98.3657	ppb	0.2693	0.3	2525.75
Zn 206.200	100.590	ppb	0.3293	0.3	91.5136

680-106200-b-18-a (Samp) **10/15/2014, 5:12:50 PM** **Rack 2, Tube 33**

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

Label	Replicates Concentration		
Ag 328.068	-0.2467u	-0.5690u	-0.2647u
Al 308.215	138919	138963	139113
As 188.980	281.583	271.872	272.564
B 249.678	63.6548	62.1117	63.6775
Ba 389.178	2753.34	2759.00	2759.71
Be 313.042	14.2081	14.2365	14.2088
Ca 370.602	59093	58887	58658
Cd 226.502	5.5759	5.7262	6.0197
Co 228.615	129.765	130.541	129.851
Cr 267.716	355.997	356.054	355.118

Label	Replicates Concentration		
Cu 324.754	1565.52	1573.00	1582.12
Fe 271.441	385468	385600	386074
K 766.491	13574.3	13603.7	13606.4
Mg 279.078	11508.0	11510.0	11502.0
Mn 257.610	17450.9	17467.3	17452.1
Mo 202.032	24.2875	24.0578	23.0442
Na 330.237	1744.32u	1656.44u	1444.28u
Ni 231.604	142.579	141.955	143.363
Pb 220.353	1708.69	1708.71	1709.76
Sb 206.834	21.6380	15.9616	8.5604
Se 196.026	9.8238	5.9121	7.3657
Sn 189.925	129.900	133.524	126.497
Sr 216.596	413.151	413.981	414.224
Ti 334.941	1193.93	1194.23	1194.01
Tl 190.794	-5.2347u	0.2422u	-0.4126u
V 292.401	458.987	460.253	459.288
Zn 206.200	3487.86	3508.55	3482.03

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.3601	ppb	0.1811	50.3	-28.0333
Al 308.215	138999	ppb	101.738	0.1	920881
As 188.980	275.340	ppb	5.4184	2.0	144.435
B 249.678	63.1480	ppb	0.8975	1.4	181.720
Ba 389.178	2757.35	ppb	3.4915	0.1	56079.9
Be 313.042	14.2178	ppb	0.0162	0.1	22860.0
Ca 370.602	58880	ppb	217.6	0.4	133146
Cd 226.502	5.7739	ppb	0.2257	3.9	1606.90
Co 228.615	130.052	ppb	0.4251	0.3	1404.60
Cr 267.716	355.723	ppb	0.5246	0.1	17928.6
Cu 324.754	1573.55	ppb	8.3139	0.5	110767
Fe 271.441	385714	ppb	318.513	0.1	543209
K 766.491	13594.8	ppb	17.7946	0.1	581886
Mg 279.078	11506.7	ppb	4.1980	0.0	27606.1
Mn 257.610	17456.8	ppb	9.1509	0.1	3611139
Mo 202.032	23.7965	ppb	0.6616	2.8	136.636
Na 330.237	1615.01	ppb	154.250	9.6	-80.5140
Ni 231.604	142.632	ppb	0.7054	0.5	419.529
Pb 220.353	1709.05	ppb	0.6135	0.0	2415.31
Sb 206.834	15.3867	ppb	6.5577	42.6	36.3862
Se 196.026	7.7005	ppb	1.9772	25.7	11.9758
Sn 189.925	129.974	ppb	3.5139	2.7	80.0824
Sr 216.596	413.785	ppb	0.5622	0.1	4952.98
Ti 334.941	1194.06	ppb	0.1547	0.0	331336
Tl 190.794	-1.8017	ppb	2.9910	166.0	-45.1689
V 292.401	459.509	ppb	0.6612	0.1	12038.4
Zn 206.200	3492.81	ppb	13.9347	0.4	3136.68

680-106200-b-18-aSD (Samp) **10/15/2014, 5:17:07 PM** **Rack 2, Tube 34**

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

Label	Replicates Concentration		
Ag 328.068	-0.2773u	-0.1555u	0.0018
Al 308.215	31329.5	30344.7	29194.4
As 188.980	66.9167	65.3873	60.5282

Label	Replicates Concentration		
B 249.678	15.4356	15.3571	15.1122
Ba 389.178	637.467	618.196	592.416
Be 313.042	3.2553	3.1749	3.0378
Ca 370.602	13523	13150	12600
Cd 226.502	1.3598	0.8501	0.5804
Co 228.615	30.1756	29.8999	28.1507
Cr 267.716	82.8929	80.4320	76.8704
Cu 324.754	354.727	343.303	329.367
Fe 271.441	89443.0	86664.1	83084.3
K 766.491	2815.39	2733.60	2641.63
Mg 279.078	2743.63	2665.40	2564.30
Mn 257.610	4203.65	4093.02	3907.13
Mo 202.032	5.1162	5.1688	5.0353
Na 330.237	311.495u	290.500u	432.592u
Ni 231.604	34.3162	33.2114	31.3566
Pb 220.353	405.210	393.242	376.184
Sb 206.834	2.8834	3.5409	8.4989
Se 196.026	8.3103	7.8286	-4.8526u
Sn 189.925	31.5061	30.1095	32.0303
Sr 216.596	98.9334	95.3198	89.7812
Ti 334.941	277.231	268.826	258.467
Tl 190.794	-0.1201u	-1.8554u	-2.9752u
V 292.401	106.787	103.800	99.1176
Zn 206.200	827.618	796.571	763.832

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.1437	ppb	0.1399	97.4	-18.5976
Al 308.215	30289.5	ppb	1068.59	3.5	200984
As 188.980	64.2774	ppb	3.3357	5.2	31.8703
B 249.678	15.3017	ppb	0.1687	1.1	85.8176
Ba 389.178	616.026	ppb	22.6038	3.7	12489.7
Be 313.042	3.1560	ppb	0.1100	3.5	4827.80
Ca 370.602	13091	ppb	464.6	3.5	29610
Cd 226.502	0.9301	ppb	0.3958	42.6	356.464
Co 228.615	29.4087	ppb	1.0982	3.7	319.974
Cr 267.716	80.0651	ppb	3.0280	3.8	4059.83
Cu 324.754	342.466	ppb	12.7005	3.7	24303.7
Fe 271.441	86397.2	ppb	3187.74	3.7	121680
K 766.491	2730.21	ppb	86.9291	3.2	117118
Mg 279.078	2657.78	ppb	89.9081	3.4	6391.00
Mn 257.610	4067.93	ppb	149.841	3.7	841521
Mo 202.032	5.1068	ppb	0.0672	1.3	34.0938
Na 330.237	344.862	ppb	76.6982	22.2	-2.0732
Ni 231.604	32.9614	ppb	1.4955	4.5	93.0663
Pb 220.353	391.545	ppb	14.5873	3.7	553.839
Sb 206.834	4.9744	ppb	3.0700	61.7	11.0447
Se 196.026	3.7621	ppb	7.4645	198.4	5.6221
Sn 189.925	31.2153	ppb	0.9929	3.2	15.1507
Sr 216.596	94.6782	ppb	4.6097	4.9	1133.12
Ti 334.941	268.175	ppb	9.3988	3.5	74367.3
Tl 190.794	-1.6502	ppb	1.4385	87.2	-15.8871
V 292.401	103.235	ppb	3.8659	3.7	2699.03
Zn 206.200	796.007	ppb	31.8965	4.0	715.837

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680-106200-b-18-aPDS (Samp) **10/15/2014, 5:21:24 PM** **Rack 2, Tube 35**

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

Label	Replicates Concentration		
Ag 328.068	90.7280	90.4475	90.5038
Al 308.215	139228	139376	139500
As 188.980	376.380	373.956	374.135
B 249.678	238.031	241.180	242.569
Ba 389.178	2803.22	2807.24	2801.99
Be 313.042	106.421	106.637	106.334
Ca 370.602	67865	67643	67394
Cd 226.502	94.0628	96.2963	96.2096
Co 228.615	220.571	221.044	221.242
Cr 267.716	443.917	444.440	443.194
Cu 324.754	1670.53	1649.62	1670.56
Fe 271.441	389939	389612	389082
K 766.491	23393.0	23415.3	23523.3
Mg 279.078	20405.3	20416.5	20371.0
Mn 257.610	18083.2	18141.4	18048.0
Mo 202.032	115.513	114.560	116.304
Na 330.237	10280.0	10171.5	10185.9
Ni 231.604	232.317	229.009	225.875
Pb 220.353	1771.13	1781.90	1760.70
Sb 206.834	111.968	105.804	111.633
Se 196.026	102.485	101.059	82.7197
Sn 189.925	219.907	212.053	212.868
Sr 216.596	499.760	499.033	496.962
Ti 334.941	1274.83	1276.86	1275.16
Tl 190.794	14.4387u	15.0172u	16.7939u
V 292.401	550.113	549.002	547.630
Zn 206.200	3551.20	3545.58	3541.93

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	90.5598	ppb	0.1484	0.2	7003.53
Al 308.215	139368	ppb	135.909	0.1	923346
As 188.980	374.824	ppb	1.3511	0.4	197.769
B 249.678	240.593	ppb	2.3252	1.0	2858.30
Ba 389.178	2804.15	ppb	2.7483	0.1	57042.8
Be 313.042	106.464	ppb	0.1561	0.1	173028
Ca 370.602	67634	ppb	235.3	0.3	153388
Cd 226.502	95.5229	ppb	1.2652	1.3	4979.05
Co 228.615	220.953	ppb	0.3448	0.2	2351.10
Cr 267.716	443.850	ppb	0.6259	0.1	22304.6
Cu 324.754	1663.57	ppb	12.0803	0.7	117085
Fe 271.441	389544	ppb	432.166	0.1	548614
K 766.491	23443.9	ppb	69.6993	0.3	1003212
Mg 279.078	20397.6	ppb	23.7045	0.1	49195.0
Mn 257.610	18090.9	ppb	47.1750	0.3	3742341
Mo 202.032	115.459	ppb	0.8730	0.8	703.629
Na 330.237	10212.5	ppb	58.9693	0.6	328.204
Ni 231.604	229.067	ppb	3.2212	1.4	659.054
Pb 220.353	1771.24	ppb	10.5987	0.6	2503.76
Sb 206.834	109.802	ppb	3.4660	3.2	160.491
Se 196.026	95.4212	ppb	11.0229	11.6	45.8971
Sn 189.925	214.942	ppb	4.3184	2.0	135.951
Sr 216.596	498.585	ppb	1.4519	0.3	5883.12

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ti 334.941	1275.61	ppb	1.0933	0.1	353982
Tl 190.794	15.4166	ppb	1.2273	8.0	-28.4064
V 292.401	548.915	ppb	1.2435	0.2	14339.9
Zn 206.200	3546.24	ppb	4.6685	0.1	3184.50

680-106200-b-18-b ms (Samp) **10/15/2014, 5:25:42 PM** **Rack 2, Tube 36**

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

Label	Replicates Concentration		
Ag 328.068	47.6546	46.9574	47.4637
Al 308.215	140475	140492	140555
As 188.980	412.175	406.232	410.040
B 249.678	166.810	165.834	166.987
Ba 389.178	2610.70	2613.07	2608.83
Be 313.042	60.4453	60.5774	60.5811
Ca 370.602	96919	97321	97240
Cd 226.502	51.3482	50.7762	50.7795
Co 228.615	170.262	171.240	172.018
Cr 267.716	427.337	429.292	428.858
Cu 324.754	638.310	630.909	633.117
Fe 271.441	457755	456344	455147
K 766.491	16322.1	16345.6	16318.1
Mg 279.078	40542.1	40620.3	40566.3
Mn 257.610	13782.4	13783.3	13801.0
Mo 202.032	110.502	109.672	109.959
Na 330.237	6251.97	5947.92	6138.17
Ni 231.604	224.932	224.677	224.260
Pb 220.353	1942.79	1943.13	1943.26
Sb 206.834	28.3674	27.2634	28.8755
Se 196.026	96.3892	90.9810	86.0011
Sn 189.925	362.857	361.793	365.463
Sr 216.596	467.897	468.712	468.347
Ti 334.941	1176.08	1177.67	1177.00
Tl 190.794	19.4593u	14.3974u	28.2633u
V 292.401	647.952	649.614	648.822
Zn 206.200	3389.06	3426.32	3388.11

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	47.3586	ppb	0.3603	0.8	3632.35
Al 308.215	140507	ppb	41.8120	0.0	931007
As 188.980	409.482	ppb	3.0108	0.7	216.019
B 249.678	166.544	ppb	0.6209	0.4	1596.54
Ba 389.178	2610.87	ppb	2.1282	0.1	53182.0
Be 313.042	60.5346	ppb	0.0774	0.1	98269.0
Ca 370.602	97160	ppb	212.8	0.2	220866
Cd 226.502	50.9680	ppb	0.3293	0.6	3551.96
Co 228.615	171.173	ppb	0.8800	0.5	1834.88
Cr 267.716	428.495	ppb	1.0265	0.2	21552.3
Cu 324.754	634.112	ppb	3.7997	0.6	44908.2
Fe 271.441	456415	ppb	1305.46	0.3	642781
K 766.491	16328.6	ppb	14.8869	0.1	698833
Mg 279.078	40576.3	ppb	40.0117	0.1	98297.8
Mn 257.610	13788.9	ppb	10.5178	0.1	2853069
Mo 202.032	110.044	ppb	0.4219	0.4	667155

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Na 330.237	6112.69	ppb	153.614	2.5	120.108
Ni 231.604	224.623	ppb	0.3394	0.2	651.980
Pb 220.353	1943.06	ppb	0.2408	0.0	2743.96
Sb 206.834	28.1688	ppb	0.8242	2.9	54.8398
Se 196.026	91.1238	ppb	5.1955	5.7	43.9298
Sn 189.925	363.371	ppb	1.8881	0.5	233.539
Sr 216.596	468.319	ppb	0.4084	0.1	5634.15
Ti 334.941	1176.92	ppb	0.7965	0.1	326636
Tl 190.794	20.7067	ppb	7.0166	33.9	-33.2255
V 292.401	648.796	ppb	0.8312	0.1	16953.0
Zn 206.200	3401.16	ppb	21.7896	0.6	3051.09

Cont Calib Verif (CCV) **10/15/2014, 5:29:58 PM** **Rack 2, Tube 37**

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

Label	Replicates Concentration		
Ag 328.068	489.109	488.109	490.568
Al 308.215	4810.93	4818.12	4819.76
As 188.980	449.552	460.383	458.518
B 249.678	480.575	482.165	483.897
Ba 389.178	4796.52	4801.03	4793.57
Be 313.042	484.121	483.215	484.087
Ca 370.602	4845	4853	4859
Cd 226.502	484.328	484.012	483.996
Co 228.615	493.253	492.544	492.969
Cr 267.716	4841.82	4842.56	4843.38
Cu 324.754	4974.05	5036.12	5014.26
Fe 271.441	4875.45	4884.57	4894.58
K 766.491	10036.1	10039.7	10080.9
Mg 279.078	4832.39	4842.27	4847.26
Mn 257.610	4959.38	4951.03	4966.87
Mo 202.032	486.050	487.764	490.558
Na 330.237	7571.61	7382.74	7602.62
Ni 231.604	2455.17	2462.38	2456.61
Pb 220.353	488.663	495.462	494.566
Sb 206.834	916.889	922.437	916.746
Se 196.026	4786.82	4772.20	4788.72
Sn 189.925	4884.34	4874.42	4847.73
Sr 216.596	2401.79	2406.68	2403.24
Ti 334.941	478.635	479.143	479.524
Tl 190.794	4963.62	4959.56	4965.17
V 292.401	4831.93	4837.87	4842.23
Zn 206.200	2413.15	2414.05	2400.38

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Ag 328.068	489.262	ppb	1.2370	0.3	37788.6	97.85235
Al 308.215	4816.27	ppb	4.7002	0.1	32769.9	96.32539
As 188.980	456.151	ppb	5.7906	1.3	242.208	91.23016
B 249.678	482.212	ppb	1.6617	0.3	7329.07	96.44246
Ba 389.178	4797.04	ppb	3.7604	0.1	97259.9	95.94083
Be 313.042	483.808	ppb	0.5138	0.1	787481	96.76152
Ca 370.602	4853	ppb	7.026	0.1	11486	97.05009
Cd 226.502	484.112	ppb	0.1871	0.0	18148.3	96.82238
Co 228.615	492.922	ppb	0.3569	0.1	5142.10	98.58446

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Cr 267.716	4842.59	ppb	0.7821	0.0	240304	96.85175
Cu 324.754	5008.14	ppb	31.4840	0.6	351456	100.16280
Fe 271.441	4884.87	ppb	9.5691	0.2	6982.86	97.69737
K 766.491	10052.2	ppb	24.8460	0.2	430342	100.52243
Mg 279.078	4840.64	ppb	7.5648	0.2	11686.5	96.81277
Mn 257.610	4959.09	ppb	7.9246	0.2	1025589	99.18182
Mo 202.032	488.124	ppb	2.2755	0.5	3021.96	97.62474
Na 330.237	7518.99	ppb	119.011	1.6	320.088	100.25315
Ni 231.604	2458.05	ppb	3.8161	0.2	6803.74	98.32216
Pb 220.353	492.897	ppb	3.6945	0.7	706.442	98.57942
Sb 206.834	918.690	ppb	3.2449	0.4	1256.70	91.86905
Se 196.026	4782.58	ppb	9.0405	0.2	1845.09	95.65159
Sn 189.925	4868.83	ppb	18.9330	0.4	3195.81	97.37661
Sr 216.596	2403.90	ppb	2.5074	0.1	26208.2	96.15615
Ti 334.941	479.101	ppb	0.4462	0.1	132888	95.82018
Tl 190.794	4962.78	ppb	2.8996	0.1	4854.00	99.25565
V 292.401	4837.34	ppb	5.1739	0.1	125093	96.74687
Zn 206.200	2409.20	ppb	7.6461	0.3	2162.10	96.36782

Cont Calib Blank (CCB) **10/15/2014, 5:34:15 PM** **Rack 2, Tube 38**

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

Label	Replicates Concentration		
Ag 328.068	0.1262	0.0212	0.1456
Al 308.215	7.9571	10.4786	11.4228
As 188.980	2.3408	3.8292	6.3563
B 249.678	10.4861	8.5923	8.5141
Ba 389.178	0.4737	0.8847	0.2434
Be 313.042	0.0362	0.0495	0.0548
Ca 370.602	0.4883	3.822	6.681
Cd 226.502	0.1339	0.1474	-0.0097u
Co 228.615	0.3460	0.1243	0.2567
Cr 267.716	0.2035	0.3815	0.2344
Cu 324.754	0.2854	0.3741	0.5206
Fe 271.441	11.2497	7.6675	10.9714
K 766.491	-1.0498u	-0.7898u	-0.8085u
Mg 279.078	-2.7474u	-0.5943u	1.4652
Mn 257.610	0.5337	0.7581	0.8223
Mo 202.032	1.1502	0.4693	0.9843
Na 330.237	-133.927u	-79.4157u	-131.864u
Ni 231.604	0.6478	0.0092	1.0977
Pb 220.353	1.4367	-0.3604u	1.6407
Sb 206.834	6.1745	4.3118	3.6156
Se 196.026	3.3491	2.4810	3.2662
Sn 189.925	-0.0646u	0.6840	1.1756
Sr 216.596	0.7095	0.5474	0.3089
Ti 334.941	0.1380	0.1530	0.2343
Tl 190.794	1.6981	2.8833	-2.2914u
V 292.401	0.3605	0.4592	0.5605
Zn 206.200	1.0865	1.5833	1.8959

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Ag 328.068	0.0977	ppb	0.0669	68.5	-2.9180	0.09767
Al 308.215	9.9528	ppb	1.7917	18.0	460.336	9.95283

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
As 188.980	4.1755	ppb	2.0300	48.6	-0.1721	4.17545
B 249.678	9.1975	ppb	1.1166	12.1	174.585	9.19748
Ba 389.178	0.5339	ppb	0.3249	60.9	-39.9432	0.53392
Be 313.042	0.0468	ppb	0.0096	20.4	-240.885	0.04684
Ca 370.602	3.664	ppb	3.100	84.6	19.56	3.66381
Cd 226.502	0.0905	ppb	0.0871	96.2	16.6365	0.09054
Co 228.615	0.2423	ppb	0.1115	46.0	5.6592	0.24234
Cr 267.716	0.2731	ppb	0.0951	34.8	44.6879	0.27315
Cu 324.754	0.3934	ppb	0.1188	30.2	277.515	0.39338
Fe 271.441	9.9629	ppb	1.9927	20.0	20.8874	9.96287
K 766.491	-0.8827	ppb	0.1450	16.4	287.322	-0.88270
Mg 279.078	-0.6255	ppb	2.1064	336.8	17.3956	-0.62549
Mn 257.610	0.7047	ppb	0.1515	21.5	186.463	0.70470
Mo 202.032	0.8679	ppb	0.3550	40.9	11.6457	0.86794
Na 330.237	-115.069	ppb	30.8937	26.8	16.4975	-115.06884
Ni 231.604	0.5849	ppb	0.5470	93.5	-3.1561	0.58488
Pb 220.353	0.9057	ppb	1.1012	121.6	1.7255	0.90569
Sb 206.834	4.7006	ppb	1.3230	28.1	7.3088	4.70064
Se 196.026	3.0321	ppb	0.4790	15.8	3.9077	3.03211
Sn 189.925	0.5984	ppb	0.6245	104.4	-4.9794	0.59835
Sr 216.596	0.5219	ppb	0.2015	38.6	8.0764	0.52191
Ti 334.941	0.1751	ppb	0.0518	29.6	-13.2796	0.17511
Tl 190.794	0.7633	ppb	2.7110	355.2	-5.2181	0.76332
V 292.401	0.4600	ppb	0.1000	21.7	4.6868	0.46004
Zn 206.200	1.5219	ppb	0.4082	26.8	2.5784	1.52192

680-106200-b-18-c ms (Samp) **10/15/2014, 5:38:31 PM** **Rack 2, Tube 39**

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

Label	Replicates Concentration		
Ag 328.068	46.9671	47.0631	47.5794
Al 308.215	142314	142259	142353
As 188.980	359.124	354.219	355.146
B 249.678	159.468	160.594	162.176
Ba 389.178	3349.11	3352.91	3351.58
Be 313.042	58.7331	58.8328	58.8653
Ca 370.602	103752	103774	103534
Cd 226.502	53.3417	53.8554	53.4923
Co 228.615	170.531	171.382	170.907
Cr 267.716	385.387	385.407	385.394
Cu 324.754	618.380	618.006	623.513
Fe 271.441	355733	356234	356047
K 766.491	16924.9	16947.4	16990.7
Mg 279.078	37689.1	37675.7	37679.0
Mn 257.610	22384.7	22375.2	22386.5
Mo 202.032	112.757	112.072	114.618
Na 330.237	6316.55	5951.99	6069.02
Ni 231.604	245.139	242.411	245.221
Pb 220.353	2092.02	2081.37	2078.50
Sb 206.834	28.1342	30.6982	25.0815
Se 196.026	88.4167	97.3989	83.2352
Sn 189.925	321.221	323.984	319.960
Sr 216.596	455.741	455.514	455.138
Ti 334.941	1063.58	1064.20	1066.22

Label	Replicates Concentration		
Tl 190.794	31.6039u	26.6356u	27.1408u
V 292.401	527.914	526.576	528.878
Zn 206.200	3824.63	3835.07	3802.86

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	47.2032	ppb	0.3293	0.7	3676.60
Al 308.215	142309	ppb	46.9792	0.0	942748
As 188.980	356.163	ppb	2.6060	0.7	187.959
B 249.678	160.746	ppb	1.3602	0.8	1719.85
Ba 389.178	3351.20	ppb	1.9276	0.1	68142.8
Be 313.042	58.8104	ppb	0.0689	0.1	95459.2
Ca 370.602	103687	ppb	132.5	0.1	237069
Cd 226.502	53.5631	ppb	0.2641	0.5	3289.78
Co 228.615	170.940	ppb	0.4265	0.2	1823.95
Cr 267.716	385.396	ppb	0.0101	0.0	19408.6
Cu 324.754	619.966	ppb	3.0773	0.5	43876.3
Fe 271.441	356005	ppb	253.243	0.1	501376
K 766.491	16954.4	ppb	33.4457	0.2	725602
Mg 279.078	37681.3	ppb	6.9778	0.0	91106.1
Mn 257.610	22382.2	ppb	6.0748	0.0	4629774
Mo 202.032	113.149	ppb	1.3173	1.2	690.776
Na 330.237	6112.52	ppb	186.131	3.0	133.538
Ni 231.604	244.257	ppb	1.5989	0.7	698.696
Pb 220.353	2083.96	ppb	7.1201	0.3	2952.52
Sb 206.834	27.9713	ppb	2.8119	10.1	51.0466
Se 196.026	89.6836	ppb	7.1664	8.0	44.2567
Sn 189.925	321.722	ppb	2.0583	0.6	206.155
Sr 216.596	455.464	ppb	0.3044	0.1	5388.13
Ti 334.941	1064.67	ppb	1.3825	0.1	295473
Tl 190.794	28.4601	ppb	2.7343	9.6	-9.8604
V 292.401	527.789	ppb	1.1560	0.2	13780.4
Zn 206.200	3820.85	ppb	16.4319	0.4	3433.68

680-106200-b-31-a (Samp) **10/15/2014, 5:42:48 PM** **Rack 2, Tube 40**

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

Label	Replicates Concentration		
Ag 328.068	-0.5024	0.0764	-0.0068
Al 308.215	102700	102786	102784
As 188.980	279.982	278.527	293.606
B 249.678	96.7567	98.3802	97.9678
Ba 389.178	4268.02	4268.68	4264.91
Be 313.042	14.1522	14.1638	14.1253
Ca 370.602	73047	72839	72871
Cd 226.502	18.2306	17.8482	18.3134
Co 228.615	253.461	253.221	253.571
Cr 267.716	274.004	273.382	273.089
Cu 324.754	701.895	706.610	701.932
Fe 271.441	253090	253274	253209
K 766.491	10754.8	10757.2	10734.7
Mg 279.078	10383.3	10382.6	10390.8
Mn 257.610	30872.9x	30945.3x	31028.6x
Mo 202.032	35.4695	34.8231	34.1828
Na 330.237	1839.58u	1758.93u	1769.96u

Label	Replicates Concentration		
Ni 231.604	167.788	164.894	168.361
Pb 220.353	2263.18	2250.85	2249.76
Sb 206.834	36.6311	40.1227	36.3032
Se 196.026	8.8741	0.4130	-0.5866
Sn 189.925	168.676	174.827	174.660
Sr 216.596	891.300	894.101	891.674
Ti 334.941	1721.65	1719.67	1714.78
Tl 190.794	1.5067u	3.2018u	3.0066u
V 292.401	414.168	413.472	413.494
Zn 206.200	4269.91	4285.09	4280.77

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.1443b	ppb	0.3129	216.8	57.9921
Al 308.215	102756b	ppb	48.7296	0.0	680831
As 188.980	284.038b	ppb	8.3179	2.9	149.492
B 249.678	97.7016b	ppb	0.8438	0.9	982.054
Ba 389.178	4267.21b	ppb	2.0140	0.0	86634.3
Be 313.042	14.1471b	ppb	0.0197	0.1	22743.1
Ca 370.602	72919b	ppb	111.6	0.2	167356
Cd 226.502	18.1307b	ppb	0.2482	1.4	1596.65
Co 228.615	253.418b	ppb	0.1790	0.1	2691.14
Cr 267.716	273.492b	ppb	0.4677	0.2	13851.3
Cu 324.754	703.479b	ppb	2.7120	0.4	49689.7
Fe 271.441	253191b	ppb	93.2100	0.0	356596
K 766.491	10748.9b	ppb	12.3388	0.1	460143
Mg 279.078	10385.5b	ppb	4.5365	0.0	24645.9
Mn 257.610	30948.9xb	ppb	77.9159	0.3	6400821
Mo 202.032	34.8251b	ppb	0.6434	1.8	210.573
Na 330.237	1789.49b	ppb	43.7277	2.4	-61.7764
Ni 231.604	167.014b	ppb	1.8584	1.1	476.688
Pb 220.353	2254.59b	ppb	7.4513	0.3	3203.81
Sb 206.834	37.6856b	ppb	2.1169	5.6	60.7890
Se 196.026	2.9002b	ppb	5.1976	179.2	11.7172
Sn 189.925	172.721b	ppb	3.5039	2.0	108.188
Sr 216.596	892.358b	ppb	1.5207	0.2	10044.3
Ti 334.941	1718.70b	ppb	3.5336	0.2	476896
Tl 190.794	2.5717b	ppb	0.9275	36.1	-18.6184
V 292.401	413.711b	ppb	0.3955	0.1	10813.8
Zn 206.200	4278.59b	ppb	7.8188	0.2	3850.84

680-106200-b-31-b ms (Samp) **10/15/2014, 5:47:04 PM** **Rack 2, Tube 41**

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

Label	Replicates Concentration		
Ag 328.068	48.6338	48.5217	47.6977
Al 308.215	109994	110414	110340
As 188.980	381.217	379.522	378.421
B 249.678	214.795	216.193	217.439
Ba 389.178	3027.53	3037.50	3040.86
Be 313.042	57.2627	57.3620	57.4525
Ca 370.602	80619	80669	80713
Cd 226.502	63.8844	64.2920	64.4073
Co 228.615	151.140	150.193	150.858
Cr 267.716	399.320	400.696	401.024

Label	Replicates Concentration		
Cu 324.754	817.148	820.740	823.159
Fe 271.441	285467	285819	286318
K 766.491	15281.1	15285.0	15289.1
Mg 279.078	14604.4	14633.6	14637.4
Mn 257.610	14529.1	14638.3	14660.0
Mo 202.032	108.266	109.296	107.926
Na 330.237	6553.75	6827.06	6707.49
Ni 231.604	244.383	247.645	245.511
Pb 220.353	2832.43	2836.65	2840.09
Sb 206.834	51.0845	48.5811	55.0021
Se 196.026	81.1111	90.6173	89.0913
Sn 189.925	430.107	422.361	422.235
Sr 216.596	904.502	906.317	908.055
Ti 334.941	1706.29	1711.50	1714.63
Tl 190.794	30.7302	28.2444	25.8044u
V 292.401	453.216	453.212	453.303
Zn 206.200	4671.03	4667.42	4684.33

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	48.2844	ppb	0.5112	1.1	3721.06
Al 308.215	110249	ppb	224.003	0.2	730475
As 188.980	379.720	ppb	1.4085	0.4	200.698
B 249.678	216.142	ppb	1.3229	0.6	2704.92
Ba 389.178	3035.29	ppb	6.9336	0.2	61671.5
Be 313.042	57.3591	ppb	0.0949	0.2	93088.9
Ca 370.602	80667	ppb	47.31	0.1	184611
Cd 226.502	64.1946	ppb	0.2747	0.4	3436.82
Co 228.615	150.730	ppb	0.4859	0.3	1621.57
Cr 267.716	400.347	ppb	0.9044	0.2	20086.8
Cu 324.754	820.349	ppb	3.0248	0.4	57902.3
Fe 271.441	285868	ppb	427.936	0.1	402603
K 766.491	15285.1	ppb	3.9634	0.0	654192
Mg 279.078	14625.1	ppb	18.0599	0.1	35244.7
Mn 257.610	14609.1	ppb	70.1459	0.5	3022006
Mo 202.032	108.496	ppb	0.7135	0.7	665.047
Na 330.237	6696.10	ppb	137.015	2.0	155.446
Ni 231.604	245.846	ppb	1.6567	0.7	697.778
Pb 220.353	2836.39	ppb	3.8370	0.1	4028.37
Sb 206.834	51.5559	ppb	3.2363	6.3	80.2822
Se 196.026	86.9399	ppb	5.1052	5.9	41.1810
Sn 189.925	424.901	ppb	4.5091	1.1	273.994
Sr 216.596	906.291	ppb	1.7769	0.2	10231.1
Ti 334.941	1710.80	ppb	4.2165	0.2	474716
Tl 190.794	28.2597	ppb	2.4629	8.7	-5.2949
V 292.401	453.244	ppb	0.0519	0.0	11832.9
Zn 206.200	4674.26	ppb	8.9007	0.2	4206.24

680-106200-b-31-c ms (Samp) **10/15/2014, 5:51:21 PM** **Rack 2, Tube 42**

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

Label	Replicates Concentration		
Ag 328.068	45.7835	46.8408	47.2611
Al 308.215	125968	126108	126126
As 188.980	312.147	306.905	320.633

Label	Replicates Concentration		
B 249.678	266.221	267.331	267.297
Ba 389.178	3457.87	3464.70	3466.08
Be 313.042	58.6091	58.6278	58.6328
Ca 370.602	159295	158978	158033
Cd 226.502	56.5612	56.8216	57.1576
Co 228.615	120.130	117.607	119.355
Cr 267.716	326.839	326.482	325.661
Cu 324.754	698.340	691.662	698.693
Fe 271.441	238784	238755	238865
K 766.491	17157.6	17175.3	17160.2
Mg 279.078	28470.1	28503.7	28501.7
Mn 257.610	9067.10	9079.67	9088.91
Mo 202.032	98.6270	100.859	101.123
Na 330.237	6711.03	6965.98	7006.05
Ni 231.604	207.558	207.605	207.688
Pb 220.353	2340.02	2347.55	2337.25
Sb 206.834	46.9833	45.0202	46.4443
Se 196.026	100.353	88.0163	82.1947
Sn 189.925	365.090	370.699	365.625
Sr 216.596	1227.72	1229.31	1229.05
Ti 334.941	1860.19	1863.57	1860.85
Tl 190.794	30.6503	25.5314	28.4438
V 292.401	403.155	404.304	403.328
Zn 206.200	3947.75	3922.33	3934.47

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	46.6285	ppb	0.7614	1.6	3563.98
Al 308.215	126067	ppb	86.0659	0.1	835064
As 188.980	313.228	ppb	6.9276	2.2	165.409
B 249.678	266.950	ppb	0.6308	0.2	3571.64
Ba 389.178	3462.88	ppb	4.3983	0.1	70337.7
Be 313.042	58.6232	ppb	0.0125	0.0	95173.1
Ca 370.602	158769	ppb	656.3	0.4	365556
Cd 226.502	56.8468	ppb	0.2990	0.5	2994.20
Co 228.615	119.031	ppb	1.2923	1.1	1291.49
Cr 267.716	326.327	ppb	0.6043	0.2	16369.6
Cu 324.754	696.232	ppb	3.9612	0.6	49178.1
Fe 271.441	238801	ppb	56.8080	0.0	336317
K 766.491	17164.4	ppb	9.5798	0.1	734586
Mg 279.078	28491.8	ppb	18.8289	0.1	69030.3
Mn 257.610	9078.56	ppb	10.9434	0.1	1878302
Mo 202.032	100.203	ppb	1.3712	1.4	615.779
Na 330.237	6894.35	ppb	160.024	2.3	194.050
Ni 231.604	207.617	ppb	0.0654	0.0	588.367
Pb 220.353	2341.61	ppb	5.3307	0.2	3324.34
Sb 206.834	46.1493	ppb	1.0142	2.2	71.0872
Se 196.026	90.1879	ppb	9.2717	10.3	41.0142
Sn 189.925	367.138	ppb	3.0954	0.8	236.016
Sr 216.596	1228.69	ppb	0.8501	0.1	13731.2
Ti 334.941	1861.54	ppb	1.7934	0.1	516561
Tl 190.794	28.2085	ppb	2.5676	9.1	-2.3461
V 292.401	403.595	ppb	0.6196	0.2	10536.0
Zn 206.200	3934.85	ppb	12.7113	0.3	3541.15

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680-106200-b-13-a (Samp) **10/15/2014, 5:57:30 PM** **Rack 2, Tube 43**

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

Label	Replicates Concentration		
Ag 328.068	-1.1649u	-1.3273u	-0.5588u
Al 308.215	169861	169848	169913
As 188.980	329.985	322.788	334.661
B 249.678	124.562	127.042	126.400
Ba 389.178	1406.73	1405.74	1404.68
Be 313.042	19.3310	19.1905	19.2994
Ca 370.602	342542	341694	340287
Cd 226.502	1.4904	1.8705	2.0753
Co 228.615	54.3155	54.3821	54.1461
Cr 267.716	303.237	303.356	302.769
Cu 324.754	259.590	261.017	260.353
Fe 271.441	338914	338820	338328
K 766.491	18185.8	18142.0	18120.1
Mg 279.078	23302.3	23275.0	23316.5
Mn 257.610	6393.01	6373.71	6367.19
Mo 202.032	14.8893	14.4129	14.9496
Na 330.237	1955.42u	2134.00u	2312.60u
Ni 231.604	87.2317	83.0566	87.1379
Pb 220.353	1215.82	1212.74	1218.79
Sb 206.834	8.7130	2.7090	3.2774
Se 196.026	2.6550	9.4540	9.4142
Sn 189.925	120.145	121.170	128.365
Sr 216.596	759.411	759.802	760.478
Ti 334.941	2172.09	2161.41	2164.52
Tl 190.794	-12.2103u	-9.7435u	-14.1213u
V 292.401	444.472	444.720	443.369
Zn 206.200	2811.44	2818.11	2826.50

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-1.0170	ppb	0.4050	39.8	-135.133
Al 308.215	169874	ppb	34.1940	0.0	1125117
As 188.980	329.144	ppb	5.9812	1.8	173.810
B 249.678	126.002	ppb	1.2871	1.0	1229.78
Ba 389.178	1405.72	ppb	1.0248	0.1	28658.7
Be 313.042	19.2737	ppb	0.0737	0.4	31185.2
Ca 370.602	341508	ppb	1139	0.3	787068
Cd 226.502	1.8121	ppb	0.2968	16.4	1292.21
Co 228.615	54.2812	ppb	0.1216	0.2	631.367
Cr 267.716	303.121	ppb	0.3104	0.1	15251.2
Cu 324.754	260.320	ppb	0.7143	0.3	18642.3
Fe 271.441	338687	ppb	314.904	0.1	476976
K 766.491	18149.3	ppb	33.4545	0.2	776719
Mg 279.078	23297.9	ppb	21.0670	0.1	56446.1
Mn 257.610	6377.97	ppb	13.4268	0.2	1320092
Mo 202.032	14.7506	ppb	0.2940	2.0	82.6590
Na 330.237	2134.01	ppb	178.592	8.4	-30.0049
Ni 231.604	85.8088	ppb	2.3839	2.8	258.733
Pb 220.353	1215.78	ppb	3.0278	0.2	1711.85
Sb 206.834	4.8998	ppb	3.3145	67.6	20.7727
Se 196.026	7.1744	ppb	3.9140	54.6	9.2974
Sn 189.925	123.227	ppb	4.4794	3.6	75.6466
Sr 216.596	759.897	ppb	0.5398	0.1	8783.20

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ti 334.941	2166.00	ppb	5.4929	0.3	601050
Tl 190.794	-12.0250	ppb	2.1948	18.3	-54.7772
V 292.401	444.187	ppb	0.7192	0.2	11642.7
Zn 206.200	2818.68	ppb	7.5468	0.3	2530.41

680-106200-b-29-a (Samp) **10/15/2014, 6:01:47 PM** **Rack 2, Tube 44**

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

Label	Replicates Concentration		
Ag 328.068	-1.8959u	-1.6418u	-1.7053u
Al 308.215	111298	111293	111401
As 188.980	475.363	485.528	485.413
B 249.678	15.9887u	16.8835u	15.1117u
Ba 389.178	424.787	424.701	424.160
Be 313.042	6.6340	6.6308	6.6347
Ca 370.602	17923	17849	17859
Cd 226.502	-3.9988	-3.9460	-4.2678
Co 228.615	91.3935	90.8587	90.8956
Cr 267.716	327.954	327.546	327.710
Cu 324.754	244.247	245.901	245.496
Fe 271.441	438712	437299	437951
K 766.491	5288.73	5297.99	5307.73
Mg 279.078	9194.98	9206.22	9197.88
Mn 257.610	3832.28	3831.57	3823.73
Mo 202.032	17.8149	18.4334	18.1097
Na 330.237	336.464u	433.683u	259.478u
Ni 231.604	92.1353	91.2570	91.2761
Pb 220.353	187.108	186.001	188.643
Sb 206.834	2.5459	5.1465	-1.4988
Se 196.026	9.6313	0.2344	-0.9159
Sn 189.925	23.3296	26.2380	24.3708
Sr 216.596	68.6474	67.7154	68.2931
Ti 334.941	1081.66	1080.54	1081.51
Tl 190.794	-11.5844u	-9.7650u	-15.8483u
V 292.401	625.684	625.274	624.452
Zn 206.200	364.533	364.675	365.859

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-1.7477	ppb	0.1322	7.6	-196.764
Al 308.215	111331	ppb	60.9718	0.1	737899
As 188.980	482.101	ppb	5.8360	1.2	254.849
B 249.678	15.9947	ppb	0.8859	5.5	-641.951
Ba 389.178	424.549	ppb	0.3396	0.1	8791.30
Be 313.042	6.6332	ppb	0.0021	0.0	10509.2
Ca 370.602	17877	ppb	40.39	0.2	37530
Cd 226.502	-4.0709	ppb	0.1726	4.2	1426.55
Co 228.615	91.0493	ppb	0.2987	0.3	999.602
Cr 267.716	327.736	ppb	0.2053	0.1	16500.3
Cu 324.754	245.214	ppb	0.8620	0.4	17621.5
Fe 271.441	437987	ppb	707.148	0.2	616820
K 766.491	5298.15	ppb	9.5020	0.2	226970
Mg 279.078	9199.69	ppb	5.8351	0.1	22261.3
Mn 257.610	3829.19	ppb	4.7424	0.1	793202
Mo 202.032	18.1193	ppb	0.3094	1.7	99.0935

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Na 330.237	343.208	ppb	87.2980	25.4	-75.8288
Ni 231.604	91.5561	ppb	0.5017	0.5	282.130
Pb 220.353	187.251	ppb	1.3268	0.7	240.005
Sb 206.834	2.0646	ppb	3.3487	162.2	20.1713
Se 196.026	2.9833	ppb	5.7860	193.9	7.9457
Sn 189.925	24.6461	ppb	1.4736	6.0	10.8309
Sr 216.596	68.2186	ppb	0.4704	0.7	1220.95
Ti 334.941	1081.24	ppb	0.6047	0.1	300031
Tl 190.794	-12.3992	ppb	3.1224	25.2	-67.8871
V 292.401	625.137	ppb	0.6275	0.1	16350.5
Zn 206.200	365.022	ppb	0.7282	0.2	312.935

680-106200-b-7-a (Samp) **10/15/2014, 6:06:03 PM** **Rack 2, Tube 45**

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

Label	Replicates Concentration		
Ag 328.068	-1.9144u	-2.0261u	-2.6320u
Al 308.215	129153	129359	129427
As 188.980	295.827	292.993	300.755
B 249.678	18.7148u	18.7739u	19.5628u
Ba 389.178	445.954	446.961	447.373
Be 313.042	8.4178	8.4200	8.3966
Ca 370.602	20682	20639	20570
Cd 226.502	-4.3223	-4.1941	-3.4803
Co 228.615	130.580	130.160	130.059
Cr 267.716	499.818	500.870	500.470
Cu 324.754	183.953	183.175	184.271
Fe 271.441	518044	520063	518382
K 766.491	6111.56	6134.63	6136.52
Mg 279.078	7754.80	7764.00	7735.97
Mn 257.610	4549.79	4559.51	4556.54
Mo 202.032	18.1481	17.8963	18.6688
Na 330.237	442.445u	354.598u	93.6726u
Ni 231.604	106.548	107.754	107.151
Pb 220.353	261.184	260.139	262.404
Sb 206.834	5.3209	0.1224	1.5962
Se 196.026	1.8012	4.7337	-1.4094
Sn 189.925	71.3842	65.8821	71.1207
Sr 216.596	117.489	117.241	116.619
Ti 334.941	1006.71	1008.74	1007.44
Tl 190.794	-15.2414u	-19.5684u	-18.3425u
V 292.401	710.832	710.955	712.703
Zn 206.200	440.372	437.608	437.999

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-2.1908	ppb	0.3861	17.6	-241.538
Al 308.215	129313	ppb	142.782	0.1	857035
As 188.980	296.525	ppb	3.9279	1.3	155.016
B 249.678	19.0172	ppb	0.4734	2.5	-765.885
Ba 389.178	446.763	ppb	0.7298	0.2	9280.52
Be 313.042	8.4115	ppb	0.0129	0.2	13407.8
Ca 370.602	20630	ppb	56.72	0.3	43094
Cd 226.502	-3.9989	ppb	0.4537	11.3	1718.15
Co 228.615	130.267	ppb	0.2763	0.2	1412.02

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Cr 267.716	500.386	ppb	0.5309	0.1	25105.4
Cu 324.754	183.799	ppb	0.5639	0.3	13346.3
Fe 271.441	518829	ppb	1081.54	0.2	730672
K 766.491	6127.57	ppb	13.8971	0.2	262451
Mg 279.078	7751.59	ppb	14.2897	0.2	18723.6
Mn 257.610	4555.28	ppb	4.9820	0.1	943571
Mo 202.032	18.2377	ppb	0.3940	2.2	96.2916
Na 330.237	296.905	ppb	181.403	61.1	-98.7029
Ni 231.604	107.151	ppb	0.6031	0.6	331.423
Pb 220.353	261.242	ppb	1.1335	0.4	340.691
Sb 206.834	2.3465	ppb	2.6792	114.2	24.8012
Se 196.026	1.7085	ppb	3.0726	179.8	8.2068
Sn 189.925	69.4623	ppb	3.1034	4.5	40.2967
Sr 216.596	117.117	ppb	0.4480	0.4	1842.18
Ti 334.941	1007.63	ppb	1.0283	0.1	279614
Tl 190.794	-17.7174	ppb	2.2302	12.6	-82.2430
V 292.401	711.497	ppb	1.0467	0.1	18609.2
Zn 206.200	438.660	ppb	1.4957	0.3	375.835

680-106200-b-40-a (Samp) **10/15/2014, 6:10:20 PM** **Rack 2, Tube 46**

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

Label	Replicates Concentration		
Ag 328.068	-0.7611u	-1.3177u	-0.8862u
Al 308.215	116711	116476	116463
As 188.980	185.366	184.188	182.029
B 249.678	19.8696u	18.5171u	19.3638u
Ba 389.178	1030.63	1029.62	1029.45
Be 313.042	12.2975	12.3100	12.3196
Ca 370.602	37657	37706	37659
Cd 226.502	0.4929	-0.1101	0.4333
Co 228.615	248.584	248.148	249.646
Cr 267.716	280.620	280.673	280.475
Cu 324.754	1083.39	1092.75	1091.19
Fe 271.441	433697	435224	435210
K 766.491	12099.5	12077.1	12099.8
Mg 279.078	15704.7	15700.9	15703.3
Mn 257.610	13657.6	13641.5	13683.5
Mo 202.032	22.2338	21.8163	21.6357
Na 330.237	698.694u	605.817u	682.075u
Ni 231.604	152.517	151.979	155.183
Pb 220.353	670.258	671.383	662.929
Sb 206.834	-5.0913	3.9825	3.6186
Se 196.026	3.3684	1.8761	0.1642
Sn 189.925	159.551	161.763	159.061
Sr 216.596	131.639	131.307	131.920
Ti 334.941	586.285	586.039	585.488
Tl 190.794	-11.2020u	-14.6308u	-14.8018u
V 292.401	360.402	359.866	360.474
Zn 206.200	1547.76	1551.93	1547.11

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.9883	ppb	0.2920	29.5	-93.8877
Al 308.215	116550	ppb	139.648	0.1	772404

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
As 188.980	183.861	ppb	1.6922	0.9	94.9079
B 249.678	19.2502	ppb	0.6834	3.5	-586.352
Ba 389.178	1029.90	ppb	0.6349	0.1	21074.8
Be 313.042	12.3090	ppb	0.0111	0.1	19739.4
Ca 370.602	37674	ppb	27.43	0.1	83347
Cd 226.502	0.2721	ppb	0.3323	122.1	1578.29
Co 228.615	248.793	ppb	0.7704	0.3	2632.79
Cr 267.716	280.589	ppb	0.1024	0.0	14204.9
Cu 324.754	1089.11	ppb	5.0161	0.5	76811.8
Fe 271.441	434710	ppb	877.396	0.2	612221
K 766.491	12092.1	ppb	13.0144	0.1	517603
Mg 279.078	15703.0	ppb	1.9413	0.0	37878.2
Mn 257.610	13660.9	ppb	21.2104	0.2	2826353
Mo 202.032	21.8953	ppb	0.3068	1.4	122.853
Na 330.237	662.195	ppb	49.5275	7.5	-88.3222
Ni 231.604	153.226	ppb	1.7155	1.1	452.390
Pb 220.353	668.190	ppb	4.5905	0.7	927.879
Sb 206.834	0.8366	ppb	5.1369	614.0	17.9554
Se 196.026	1.8029	ppb	1.6033	88.9	9.3561
Sn 189.925	160.125	ppb	1.4394	0.9	99.9064
Sr 216.596	131.622	ppb	0.3066	0.2	1915.44
Ti 334.941	585.938	ppb	0.4078	0.1	162606
Tl 190.794	-13.5449	ppb	2.0308	15.0	-64.1412
V 292.401	360.247	ppb	0.3324	0.1	9478.17
Zn 206.200	1548.94	ppb	2.6179	0.2	1381.26

680-106200-b-27-a (Samp) **10/15/2014, 6:14:37 PM** **Rack 2, Tube 47**

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

Label	Replicates Concentration		
Ag 328.068	-1.1900u	-0.6920u	-1.1321u
Al 308.215	114412	114548	114655
As 188.980	313.074	320.212	318.450
B 249.678	29.1754u	29.7360u	28.1664u
Ba 389.178	1289.71	1291.41	1293.31
Be 313.042	9.6494	9.6710	9.6739
Ca 370.602	97120	96964	96955
Cd 226.502	1.3827	1.4500	1.4425
Co 228.615	96.2869	96.7242	96.7745
Cr 267.716	349.119	349.737	349.110
Cu 324.754	327.614	329.042	328.052
Fe 271.441	373739	373853	373810
K 766.491	8088.96	8115.72	8138.71
Mg 279.078	31523.3	31546.3	31520.0
Mn 257.610	10279.1	10223.4	10252.5
Mo 202.032	20.6037	18.8252	19.1668
Na 330.237	918.026u	756.653u	641.305u
Ni 231.604	107.778	108.335	109.980
Pb 220.353	1032.64	1030.60	1030.03
Sb 206.834	8.5920	1.4092	8.0285
Se 196.026	11.7310	7.4725	2.0388
Sn 189.925	78.5053	81.1183	81.0384
Sr 216.596	237.445	240.451	238.864
Ti 334.941	1208.57	1210.95	1211.67

Label	Replicates Concentration		
Tl 190.794	-7.5542u	-10.3491u	-5.9163u
V 292.401	500.475	501.656	502.260
Zn 206.200	1778.66	1783.75	1776.82

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-1.0047	ppb	0.2723	27.1	-105.043
Al 308.215	114538	ppb	121.609	0.1	759005
As 188.980	317.245	ppb	3.7185	1.2	166.772
B 249.678	29.0259	ppb	0.7954	2.7	-310.448
Ba 389.178	1291.48	ppb	1.7978	0.1	26369.8
Be 313.042	9.6648	ppb	0.0134	0.1	15462.2
Ca 370.602	97013	ppb	92.92	0.1	221268
Cd 226.502	1.4250	ppb	0.0369	2.6	1403.66
Co 228.615	96.5952	ppb	0.2682	0.3	1055.88
Cr 267.716	349.322	ppb	0.3594	0.1	17573.4
Cu 324.754	328.236	ppb	0.7317	0.2	23419.6
Fe 271.441	373800	ppb	57.3862	0.0	526429
K 766.491	8114.46	ppb	24.9030	0.3	347447
Mg 279.078	31529.9	ppb	14.3642	0.0	76393.2
Mn 257.610	10251.7	ppb	27.8419	0.3	2121294
Mo 202.032	19.5319	ppb	0.9438	4.8	110.689
Na 330.237	771.995	ppb	138.997	18.0	-75.6591
Ni 231.604	108.698	ppb	1.1450	1.1	324.716
Pb 220.353	1031.09	ppb	1.3722	0.1	1448.24
Sb 206.834	6.0099	ppb	3.9943	66.5	23.6738
Se 196.026	7.0808	ppb	4.8580	68.6	10.2711
Sn 189.925	80.2206	ppb	1.4861	1.9	47.3705
Sr 216.596	238.920	ppb	1.5034	0.6	3044.10
Ti 334.941	1210.40	ppb	1.6240	0.1	335901
Tl 190.794	-7.9399	ppb	2.2414	28.2	-53.0800
V 292.401	501.464	ppb	0.9081	0.2	13123.3
Zn 206.200	1779.74	ppb	3.5921	0.2	1591.65

680-106200-b-21-a (Samp) **10/15/2014, 6:18:54 PM** **Rack 2, Tube 48**

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

Label	Replicates Concentration		
Ag 328.068	-2.7904u	-2.5021u	-2.5884u
Al 308.215	147842	147778	147594
As 188.980	253.423	253.860	245.696
B 249.678	29.5927u	27.8959u	29.4345u
Ba 389.178	1404.14	1401.63	1400.69
Be 313.042	10.2673	10.2340	10.2376
Ca 370.602	69670	69822	69962
Cd 226.502	-1.1269	-2.0028	-1.9706
Co 228.615	130.543	129.991	131.002
Cr 267.716	327.596	327.870	327.669
Cu 324.754	190.058	188.858	188.573
Fe 271.441	428926	427326	430400
K 766.491	8658.15	8646.31	8653.35
Mg 279.078	14611.4	14623.9	14601.8
Mn 257.610	14688.0	14706.5	14753.6
Mo 202.032	16.5191	15.1241	15.8090
Na 330.237	756.999u	516.650u	480.350u

Label	Replicates Concentration		
Ni 231.604	95.8770	96.1752	95.2047
Pb 220.353	481.575	497.767	486.978
Sb 206.834	-3.0725	3.5372	6.5412
Se 196.026	-3.2093	6.1495	4.5563
Sn 189.925	41.8774	42.5495	39.9982
Sr 216.596	219.463	217.776	219.427
Ti 334.941	1270.75	1270.36	1269.91
Tl 190.794	-12.3333u	-10.6146u	-7.9172u
V 292.401	594.913	593.583	594.136
Zn 206.200	688.116	694.727	689.274

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-2.6270	ppb	0.1480	5.6	-216.887
Al 308.215	147738	ppb	128.696	0.1	978797
As 188.980	250.993	ppb	4.5923	1.8	131.219
B 249.678	28.9744	ppb	0.9373	3.2	-426.723
Ba 389.178	1402.15	ppb	1.7860	0.1	28620.7
Be 313.042	10.2463	ppb	0.0183	0.2	16405.7
Ca 370.602	69818	ppb	146.1	0.2	157980
Cd 226.502	-1.7001	ppb	0.4967	29.2	1483.06
Co 228.615	130.512	ppb	0.5062	0.4	1413.82
Cr 267.716	327.712	ppb	0.1421	0.0	16544.6
Cu 324.754	189.163	ppb	0.7881	0.4	13686.9
Fe 271.441	428884	ppb	1537.24	0.4	604004
K 766.491	8652.61	ppb	5.9515	0.1	370468
Mg 279.078	14612.4	ppb	11.1134	0.1	35198.7
Mn 257.610	14716.0	ppb	33.7938	0.2	3044522
Mo 202.032	15.8174	ppb	0.6975	4.4	85.2642
Na 330.237	584.666	ppb	150.344	25.7	-70.6592
Ni 231.604	95.7523	ppb	0.4971	0.5	292.991
Pb 220.353	488.774	ppb	8.2439	1.7	671.962
Sb 206.834	2.3353	ppb	4.9183	210.6	20.3140
Se 196.026	2.4988	ppb	5.0072	200.4	9.7794
Sn 189.925	41.4750	ppb	1.3224	3.2	21.8957
Sr 216.596	218.889	ppb	0.9638	0.4	2874.85
Ti 334.941	1270.34	ppb	0.4191	0.0	352514
Tl 190.794	-10.2884	ppb	2.2260	21.6	-59.7237
V 292.401	594.211	ppb	0.6680	0.1	15548.7
Zn 206.200	690.706	ppb	3.5306	0.5	607.100

Cont Calib Verif (CCV) **10/15/2014, 6:23:11 PM** **Rack 2, Tube 49**

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

Label	Replicates Concentration		
Ag 328.068	491.037	488.460	490.262
Al 308.215	4829.20	4809.38	4873.55
As 188.980	458.752	466.062	468.425
B 249.678	481.834	482.734	487.592
Ba 389.178	4833.13	4805.41	4835.72
Be 313.042	488.382	486.048	488.578
Ca 370.602	4866	4832	4863
Cd 226.502	486.583	484.670	486.546
Co 228.615	496.045	492.135	494.812
Cr 267.716	4868.51	4839.82	4867.34

Label	Replicates Concentration		
Cu 324.754	5061.73	5036.09	5000.91
Fe 271.441	4907.31	4890.72	4909.92
K 766.491	10131.2	10120.4	10222.6
Mg 279.078	4881.37	4859.88	4892.68
Mn 257.610	4972.60	4955.48	4970.73
Mo 202.032	493.459	487.802	490.448
Na 330.237	7487.62	7374.16	7584.95
Ni 231.604	2473.33	2457.87	2472.39
Pb 220.353	495.982	494.803	492.327
Sb 206.834	927.093	922.198	927.690
Se 196.026	4846.70	4843.64	4852.99
Sn 189.925	4883.56	4860.10	4872.14
Sr 216.596	2417.24	2402.25	2408.92
Ti 334.941	483.243	481.424	484.659
Tl 190.794	4988.79	4960.03	4975.43
V 292.401	4868.15	4848.29	4877.46
Zn 206.200	2421.52	2398.97	2406.79

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Ag 328.068	489.920	ppb	1.3225	0.3	37839.2	97.98396
Al 308.215	4837.38	ppb	32.8616	0.7	32912.9	96.74750
As 188.980	464.413	ppb	5.0427	1.1	246.640	92.88257
B 249.678	484.053	ppb	3.0973	0.6	7356.99	96.81064
Ba 389.178	4824.75	ppb	16.8004	0.3	97822.0	96.49505
Be 313.042	487.669	ppb	1.4078	0.3	793769	97.53387
Ca 370.602	4854	ppb	18.82	0.4	11492	97.07903
Cd 226.502	485.933	ppb	1.0938	0.2	18216.5	97.18656
Co 228.615	494.331	ppb	1.9989	0.4	5156.83	98.86614
Cr 267.716	4858.56	ppb	16.2352	0.3	241096	97.17117
Cu 324.754	5032.91	ppb	30.5330	0.6	353193	100.65821
Fe 271.441	4902.65	ppb	10.4098	0.2	7008.52	98.05301
K 766.491	10158.1	ppb	56.1226	0.6	434870	101.58090
Mg 279.078	4877.97	ppb	16.6588	0.3	11776.9	97.55947
Mn 257.610	4966.27	ppb	9.3921	0.2	1027074	99.32537
Mo 202.032	490.570	ppb	2.8304	0.6	3037.07	98.11395
Na 330.237	7482.24	ppb	105.499	1.4	318.330	99.76320
Ni 231.604	2467.86	ppb	8.6644	0.4	6830.91	98.71459
Pb 220.353	494.371	ppb	1.8652	0.4	708.557	98.87417
Sb 206.834	925.660	ppb	3.0132	0.3	1266.11	92.56600
Se 196.026	4847.77	ppb	4.7670	0.1	1870.19	96.95547
Sn 189.925	4871.93	ppb	11.7321	0.2	3197.85	97.43868
Sr 216.596	2409.47	ppb	7.5064	0.3	26268.7	96.37876
Ti 334.941	483.109	ppb	1.6214	0.3	134000	96.62175
Tl 190.794	4974.75	ppb	14.3937	0.3	4865.75	99.49505
V 292.401	4864.63	ppb	14.9013	0.3	125799	97.29266
Zn 206.200	2409.10	ppb	11.4492	0.5	2161.94	96.36382

Cont Calib Blank (CCB) **10/15/2014, 6:27:27 PM** **Rack 2, Tube 50**

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

Label	Replicates Concentration		
Ag 328.068	0.1309	-0.1607u	0.1184
Al 308.215	11.7149	12.5947	13.5915
As 188.980	4.2788	4.5971	0.7511

Label	Replicates Concentration		
B 249.678	8.5491	7.3273	6.7632
Ba 389.178	-0.0030u	0.3246	0.3057
Be 313.042	0.0432	0.0495	0.0518
Ca 370.602	3.691	9.307	3.065
Cd 226.502	-0.1242u	0.0205	0.0681
Co 228.615	-0.2953u	-0.3819u	-0.0847u
Cr 267.716	0.4147	0.6849	0.5072
Cu 324.754	0.5854	0.4772	0.4784
Fe 271.441	7.6899	11.2650	12.7566
K 766.491	-1.6880u	-0.9406u	-1.2678u
Mg 279.078	-0.6196u	0.1087	-0.8065u
Mn 257.610	0.6974	0.7881	0.7839
Mo 202.032	0.1546	0.6557	-0.0049u
Na 330.237	-157.038u	-68.3520u	-191.548u
Ni 231.604	0.8207	1.1084	1.3659
Pb 220.353	1.2170	0.8748	1.4909
Sb 206.834	7.6033	3.6276	4.0779
Se 196.026	9.7186	0.1695	-2.3333u
Sn 189.925	2.1161	2.0399	2.7953
Sr 216.596	-0.1414u	0.5645	0.9142
Ti 334.941	0.2524	0.2138	0.2034
Tl 190.794	2.8665	2.4040	2.6685
V 292.401	0.5495	0.4239	0.6301
Zn 206.200	1.1550	0.7274	0.5177

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Ag 328.068	0.0295	ppb	0.1649	558.6	-8.1811	0.02951
Al 308.215	12.6337	ppb	0.9389	7.4	478.041	12.63369
As 188.980	3.2090	ppb	2.1345	66.5	-0.6904	3.20899
B 249.678	7.5465	ppb	0.9129	12.1	149.630	7.54653
Ba 389.178	0.2091	ppb	0.1839	88.0	-46.5372	0.20910
Be 313.042	0.0482	ppb	0.0045	9.3	-238.634	0.04816
Ca 370.602	5.354	ppb	3.437	64.2	23.50	5.35432
Cd 226.502	-0.0119	ppb	0.1001	842.6	12.7942	-0.01188
Co 228.615	-0.2540	ppb	0.1528	60.2	0.5059	-0.25396
Cr 267.716	0.5356	ppb	0.1373	25.6	57.7091	0.53558
Cu 324.754	0.5137	ppb	0.0622	12.1	285.923	0.51366
Fe 271.441	10.5705	ppb	2.6038	24.6	21.7247	10.57052
K 766.491	-1.2988	ppb	0.3747	28.8	269.522	-1.29881
Mg 279.078	-0.4391	ppb	0.4836	110.1	17.8468	-0.43915
Mn 257.610	0.7565	ppb	0.0512	6.8	197.150	0.75647
Mo 202.032	0.2685	ppb	0.3447	128.4	7.9360	0.26847
Na 330.237	-138.980	ppb	63.5525	45.7	15.3730	-138.97954
Ni 231.604	1.0983	ppb	0.2728	24.8	-1.7335	1.09835
Pb 220.353	1.1942	ppb	0.3087	25.8	2.1381	1.19424
Sb 206.834	5.1030	ppb	2.1771	42.7	7.8535	5.10296
Se 196.026	2.5182	ppb	6.3600	252.6	3.7098	2.51825
Sn 189.925	2.3171	ppb	0.4159	17.9	-3.8494	2.31709
Sr 216.596	0.4458	ppb	0.5377	120.6	7.2522	0.44578
Ti 334.941	0.2232	ppb	0.0258	11.6	0.0571	0.22317
Tl 190.794	2.6464	ppb	0.2320	8.8	-3.3752	2.64635
V 292.401	0.5345	ppb	0.1039	19.4	6.7145	0.53450
Zn 206.200	0.8000	ppb	0.3248	40.6	1.9266	0.80004

680-106200-b-10-a (Samp) **10/15/2014, 6:31:44 PM** **Rack 2, Tube 51**

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

Label	Replicates Concentration		
Ag 328.068	-0.4809u	-0.0053u	-0.3517u
Al 308.215	131849	131795	131903
As 188.980	363.528	360.165	362.996
B 249.678	31.8748u	33.2005u	32.5255u
Ba 389.178	1183.44	1185.28	1185.12
Be 313.042	8.2299	8.2260	8.2330
Ca 370.602	78263	78079	78000
Cd 226.502	0.1161	-0.0314	0.1034
Co 228.615	69.2413	68.7900	69.5108
Cr 267.716	256.917	256.279	256.562
Cu 324.754	404.948	404.615	404.619
Fe 271.441	363681	363574	363410
K 766.491	8910.54	8916.61	8908.27
Mg 279.078	17946.2	17902.9	17924.0
Mn 257.610	6091.42	6070.31	6077.78
Mo 202.032	20.2763	19.9188	19.5789
Na 330.237	961.738u	964.359u	1050.17u
Ni 231.604	114.427	114.121	113.501
Pb 220.353	838.057	833.227	834.584
Sb 206.834	5.7970	8.0987	6.1555
Se 196.026	12.4488	13.1783	13.9023
Sn 189.925	65.3415	60.1056	65.0953
Sr 216.596	247.039	246.696	245.718
Ti 334.941	1423.43	1424.43	1424.02
Tl 190.794	-5.4762u	-5.6005u	-7.9846u
V 292.401	456.228	455.959	455.065
Zn 206.200	1746.77	1743.31	1751.30

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.2793	ppb	0.2459	88.0	-66.8274
Al 308.215	131849	ppb	53.9610	0.0	873530
As 188.980	362.230	ppb	1.8078	0.5	191.115
B 249.678	32.5336	ppb	0.6629	2.0	-232.513
Ba 389.178	1184.62	ppb	1.0170	0.1	24179.3
Be 313.042	8.2296	ppb	0.0035	0.0	13120.6
Ca 370.602	78114	ppb	135.1	0.2	177683
Cd 226.502	0.0627	ppb	0.0817	130.4	1310.10
Co 228.615	69.1807	ppb	0.3642	0.5	773.282
Cr 267.716	256.586	ppb	0.3199	0.1	12948.8
Cu 324.754	404.727	ppb	0.1909	0.0	28780.2
Fe 271.441	363555	ppb	136.638	0.0	511997
K 766.491	8911.81	ppb	4.3147	0.0	381556
Mg 279.078	17924.4	ppb	21.6498	0.1	43410.1
Mn 257.610	6079.83	ppb	10.7078	0.2	1258464
Mo 202.032	19.9247	ppb	0.3487	1.8	113.672
Na 330.237	992.090	ppb	50.3190	5.1	-61.8638
Ni 231.604	114.016	ppb	0.4719	0.4	338.611
Pb 220.353	835.290	ppb	2.4911	0.3	1168.60
Sb 206.834	6.6837	ppb	1.2384	18.5	23.1977
Se 196.026	13.1765	ppb	0.7268	5.5	11.7201
Sn 189.925	63.5141	ppb	2.9545	4.7	36.3862
Sr 216.596	246.484	ppb	0.6852	0.3	3106.92

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Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ti 334.941	1423.96	ppb	0.5021	0.0	395139
Tl 190.794	-6.3538	ppb	1.4137	22.2	-52.1595
V 292.401	455.751	ppb	0.6086	0.1	11941.0
Zn 206.200	1747.12	ppb	4.0038	0.2	1562.92

680-106200-b-32-a (Samp) **10/15/2014, 6:36:00 PM** **Rack 2, Tube 52**

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

Label	Replicates Concentration		
Ag 328.068	2.0811	1.3655	1.1015
Al 308.215	112497	112589	112281
As 188.980	302.224	306.695	302.359
B 249.678	68.9169	69.8149	69.0376
Ba 389.178	3143.11	3144.44	3131.30
Be 313.042	13.6127	13.5918	13.5842
Ca 370.602	77909	77439	77496
Cd 226.502	16.2255	16.9914	16.6340
Co 228.615	95.4133	95.5005	95.6586
Cr 267.716	304.044	303.146	303.029
Cu 324.754	771.329	768.428	771.558
Fe 271.441	270140	269943	269450
K 766.491	13013.0	12998.8	12949.3
Mg 279.078	10328.4	10339.5	10323.4
Mn 257.610	9349.80	9330.09	9316.87
Mo 202.032	25.0595	25.4480	24.7314
Na 330.237	1924.68u	2193.15u	2151.22u
Ni 231.604	154.813	155.211	156.189
Pb 220.353	2472.41	2471.15	2462.53
Sb 206.834	52.3175	48.6873	46.4160
Se 196.026	21.0113	1.6952	7.3204
Sn 189.925	265.936	268.730	269.523
Sr 216.596	1086.74	1088.99	1088.24
Ti 334.941	1994.39	1995.78	1987.18
Tl 190.794	-10.9687u	-5.6200u	-5.8759u
V 292.401	390.890	389.687	389.395
Zn 206.200	4570.14	4599.82	4588.85

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	1.5160	ppb	0.5068	33.4	75.9333
Al 308.215	112456	ppb	158.191	0.1	745038
As 188.980	303.760	ppb	2.5433	0.8	160.072
B 249.678	69.2565	ppb	0.4874	0.7	518.108
Ba 389.178	3139.61	ppb	7.2326	0.2	63773.3
Be 313.042	13.5962	ppb	0.0148	0.1	21853.5
Ca 370.602	77615	ppb	256.6	0.3	177705
Cd 226.502	16.6170	ppb	0.3832	2.3	1597.90
Co 228.615	95.5241	ppb	0.1243	0.1	1052.83
Cr 267.716	303.406	ppb	0.5558	0.2	15247.3
Cu 324.754	770.438	ppb	1.7447	0.2	54392.6
Fe 271.441	269844	ppb	355.645	0.1	380031
K 766.491	12987.0	ppb	33.4529	0.3	555886
Mg 279.078	10330.4	ppb	8.2771	0.1	24907.2
Mn 257.610	9332.26	ppb	16.5710	0.2	1930718
Mo 202.032	25.0796	ppb	0.3587	1.4	149597

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Na 330.237	2089.68	ppb	144.428	6.9	-59.1320
Ni 231.604	155.404	ppb	0.7080	0.5	446.113
Pb 220.353	2468.70	ppb	5.3741	0.2	3503.95
Sb 206.834	49.1403	ppb	2.9767	6.1	76.8439
Se 196.026	10.0090	ppb	9.9348	99.3	10.4226
Sn 189.925	268.063	ppb	1.8842	0.7	170.874
Sr 216.596	1087.99	ppb	1.1486	0.1	12201.0
Ti 334.941	1992.45	ppb	4.6193	0.2	552859
Tl 190.794	-7.4882	ppb	3.0170	40.3	-40.6682
V 292.401	389.991	ppb	0.7925	0.2	10209.1
Zn 206.200	4586.27	ppb	15.0052	0.3	4127.73

680-106200-b-22-a (Samp) **10/15/2014, 6:40:17 PM** **Rack 2, Tube 53**

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

Label	Replicates Concentration		
Ag 328.068	-0.2462u	-1.1330u	-1.0632u
Al 308.215	114434	114299	114360
As 188.980	449.077	437.749	438.496
B 249.678	16.1013u	15.8814u	15.4230u
Ba 389.178	172.057	172.807	172.718
Be 313.042	3.6235	3.6081	3.6012
Ca 370.602	13423	13385	13422
Cd 226.502	-4.2101	-4.0713	-3.9405
Co 228.615	43.7455	43.7677	44.7765
Cr 267.716	226.465	226.717	226.695
Cu 324.754	255.199	253.687	253.293
Fe 271.441	345060	345188	344571
K 766.491	6222.35	6235.41	6236.29
Mg 279.078	5668.47	5656.82	5676.26
Mn 257.610	1391.74	1389.78	1390.20
Mo 202.032	15.3477	14.6068	15.2277
Na 330.237	202.690u	332.334u	425.143u
Ni 231.604	82.8099	84.6479	85.1518
Pb 220.353	137.277	137.346	133.792
Sb 206.834	0.7011	5.5557	5.7145
Se 196.026	3.2908	3.8240	14.0963
Sn 189.925	24.0270	26.3934	26.7073
Sr 216.596	64.6033	63.3573	64.0016
Ti 334.941	1040.62	1040.80	1042.08
Tl 190.794	-5.9673u	-3.8184u	-6.6121u
V 292.401	499.539	498.533	498.343
Zn 206.200	317.202	314.882	308.381

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.8141	ppb	0.4931	60.6	-121.375
Al 308.215	114364	ppb	67.3769	0.1	757805
As 188.980	441.774	ppb	6.3352	1.4	233.738
B 249.678	15.8019	ppb	0.3461	2.2	-447.696
Ba 389.178	172.528	ppb	0.4099	0.2	3628.33
Be 313.042	3.6109	ppb	0.0114	0.3	5585.91
Ca 370.602	13410	ppb	21.54	0.2	28052
Cd 226.502	-4.0740	ppb	0.1349	3.3	1090.66
Co 228.615	44.0966	ppb	0.5890	1.3	503.711

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Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Cr 267.716	226.626	ppb	0.1399	0.1	11432.1
Cu 324.754	254.060	ppb	1.0062	0.4	18204.7
Fe 271.441	344940	ppb	325.432	0.1	485779
K 766.491	6231.35	ppb	7.8091	0.1	266891
Mg 279.078	5667.19	ppb	9.7834	0.2	13723.0
Mn 257.610	1390.57	ppb	1.0349	0.1	288622
Mo 202.032	15.0607	ppb	0.3977	2.6	84.2997
Na 330.237	320.056	ppb	111.733	34.9	-53.4571
Ni 231.604	84.2032	ppb	1.2327	1.5	254.694
Pb 220.353	136.138	ppb	2.0323	1.5	172.262
Sb 206.834	3.9904	ppb	2.8497	71.4	18.8606
Se 196.026	7.0704	ppb	6.0905	86.1	8.3377
Sn 189.925	25.7092	ppb	1.4653	5.7	11.5300
Sr 216.596	63.9874	ppb	0.6231	1.0	1072.94
Ti 334.941	1041.17	ppb	0.7934	0.1	288896
Tl 190.794	-5.4659	ppb	1.4628	26.8	-51.2325
V 292.401	498.805	ppb	0.6424	0.1	13046.8
Zn 206.200	313.488	ppb	4.5726	1.5	270.295

680-106200-b-16-a (Samp) **10/15/2014, 6:44:33 PM** **Rack 2, Tube 54**

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

Label	Replicates Concentration		
Ag 328.068	0.5170	0.8536	1.3169
Al 308.215	125867	126119	125677
As 188.980	367.768	376.040	369.461
B 249.678	57.4260	57.5374	57.4950
Ba 389.178	3939.74	3943.65	3927.86
Be 313.042	14.6153	14.6334	14.5941
Ca 370.602	108693	108184	107849
Cd 226.502	10.8456	11.2774	11.9216
Co 228.615	141.703	142.139	140.981
Cr 267.716	428.496	428.567	426.956
Cu 324.754	739.607	729.715	727.661
Fe 271.441	381181	381352	381009
K 766.491	12077.1	12101.9	12113.7
Mg 279.078	13171.2	13161.4	13139.8
Mn 257.610	22611.6	22678.9	21819.1
Mo 202.032	23.8213	23.7031	23.7116
Na 330.237	2018.68u	1765.43u	1833.69u
Ni 231.604	229.757	227.985	230.154
Pb 220.353	2247.87	2242.70	2226.90
Sb 206.834	16.1793	18.2241	13.3708
Se 196.026	10.0269	5.7779	2.7009
Sn 189.925	189.026	188.236	190.088
Sr 216.596	670.107	670.836	669.799
Ti 334.941	1665.68	1666.40	1661.92
Tl 190.794	-12.1577u	-8.4649u	-8.2695u
V 292.401	403.011	402.059	403.319
Zn 206.200	4678.52	4684.88	4662.03

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	0.8958	ppb	0.4016	44.8	84.6530
Al 308.215	125887	ppb	221.782	0.2	834107

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
As 188.980	371.090	ppb	4.3699	1.2	195.720
B 249.678	57.4861	ppb	0.0563	0.1	106.319
Ba 389.178	3937.08	ppb	8.2207	0.2	80006.1
Be 313.042	14.6143	ppb	0.0197	0.1	23515.2
Ca 370.602	108242	ppb	425.2	0.4	247571
Cd 226.502	11.3482	ppb	0.5415	4.8	1798.17
Co 228.615	141.608	ppb	0.5848	0.4	1533.83
Cr 267.716	428.007	ppb	0.9104	0.2	21536.5
Cu 324.754	732.328	ppb	6.3870	0.9	51765.4
Fe 271.441	381181	ppb	171.469	0.0	536826
K 766.491	12097.6	ppb	18.6939	0.2	517837
Mg 279.078	13157.5	ppb	16.0335	0.1	31530.7
Mn 257.610	22369.9	ppb	478.157	2.1	4627130
Mo 202.032	23.7453	ppb	0.0659	0.3	136.582
Na 330.237	1872.60	ppb	131.029	7.0	-97.2766
Ni 231.604	229.298	ppb	1.1550	0.5	659.206
Pb 220.353	2239.16	ppb	10.9244	0.5	3172.41
Sb 206.834	15.9247	ppb	2.4367	15.3	37.7338
Se 196.026	6.1686	ppb	3.6786	59.6	12.2909
Sn 189.925	189.117	ppb	0.9294	0.5	118.968
Sr 216.596	670.248	ppb	0.5322	0.1	7764.52
Ti 334.941	1664.67	ppb	2.4078	0.1	461923
Tl 190.794	-9.6307	ppb	2.1907	22.7	-50.0573
V 292.401	402.797	ppb	0.6569	0.2	10570.8
Zn 206.200	4675.14	ppb	11.7941	0.3	4203.34

680-106200-b-19-a (Samp) **10/15/2014, 6:48:50 PM** **Rack 2, Tube 55**

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

Label	Replicates Concentration		
Ag 328.068	-2.9582u	-3.0565u	-3.5569u
Al 308.215	130074	130008	129987
As 188.980	284.344	269.648	279.284
B 249.678	30.9901u	31.2284u	30.6609u
Ba 389.178	2882.88	2882.29	2881.96
Be 313.042	14.7831	14.8078	14.7764
Ca 370.602	51397	51559	51438
Cd 226.502	7.6315	7.8664	7.7230
Co 228.615	135.970	134.433	135.407
Cr 267.716	361.376	361.963	361.033
Cu 324.754	464.308	465.610	467.625
Fe 271.441	394702	395637	394764
K 766.491	10818.4	10828.4	10842.0
Mg 279.078	13455.4	13442.5	13458.8
Mn 257.610	23590.2	23016.6	22936.2
Mo 202.032	27.2598	26.9804	26.3130
Na 330.237	1142.17u	1110.55u	914.874u
Ni 231.604	171.869	170.432	170.749
Pb 220.353	1762.21	1760.23	1751.10
Sb 206.834	6.4816	10.7752	4.0215
Se 196.026	3.7496	10.0728	5.7203
Sn 189.925	179.912	173.243	174.274
Sr 216.596	321.677	322.757	321.638
Ti 334.941	1029.67	1030.00	1029.16

Label	Replicates Concentration		
Tl 190.794	-1.6811u	-9.0462u	-3.3371u
V 292.401	459.257	459.563	457.706
Zn 206.200	3560.62	3581.20	3558.54

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-3.1905	ppb	0.3211	10.1	-218.782
Al 308.215	130023	ppb	45.2897	0.0	861504
As 188.980	277.759	ppb	7.4660	2.7	145.609
B 249.678	30.9598	ppb	0.2850	0.9	-324.471
Ba 389.178	2882.38	ppb	0.4678	0.0	58622.7
Be 313.042	14.7891	ppb	0.0165	0.1	23784.8
Ca 370.602	51465	ppb	84.44	0.2	115973
Cd 226.502	7.7403	ppb	0.1184	1.5	1713.47
Co 228.615	135.270	ppb	0.7778	0.6	1456.28
Cr 267.716	361.457	ppb	0.4707	0.1	18242.2
Cu 324.754	465.848	ppb	1.6708	0.4	33080.6
Fe 271.441	395034	ppb	522.816	0.1	556335
K 766.491	10829.6	ppb	11.8883	0.1	463596
Mg 279.078	13452.3	ppb	8.5823	0.1	32230.8
Mn 257.610	23181.0	ppb	356.626	1.5	4794902
Mo 202.032	26.8511	ppb	0.4865	1.8	155.145
Na 330.237	1055.86	ppb	123.120	11.7	-110.906
Ni 231.604	171.017	ppb	0.7549	0.4	498.848
Pb 220.353	1757.84	ppb	5.9250	0.3	2485.57
Sb 206.834	7.0928	ppb	3.4181	48.2	25.7669
Se 196.026	6.5142	ppb	3.2355	49.7	12.6847
Sn 189.925	175.810	ppb	3.5900	2.0	110.219
Sr 216.596	322.024	ppb	0.6352	0.2	3956.85
Ti 334.941	1029.61	ppb	0.4214	0.0	285710
Tl 190.794	-4.6881	ppb	3.8639	82.4	-46.5020
V 292.401	458.842	ppb	0.9956	0.2	12021.3
Zn 206.200	3566.79	ppb	12.5280	0.4	3203.04

680-106200-b-30-a (Samp) **10/15/2014, 6:53:06 PM** **Rack 2, Tube 56**

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

Label	Replicates Concentration		
Ag 328.068	-2.6342u	-2.2166u	-2.8896u
Al 308.215	158249	158224	158350
As 188.980	271.458	275.270	276.289
B 249.678	13.7815u	13.8137u	15.4737u
Ba 389.178	1309.36	1310.13	1309.94
Be 313.042	15.4712	15.5091	15.4740
Ca 370.602	67147	67132	66743
Cd 226.502	-2.9184	-2.8713	-2.2461
Co 228.615	140.055	138.866	138.892
Cr 267.716	546.468	546.365	545.105
Cu 324.754	170.069	172.048	169.651
Fe 271.441	575728	575687	576209
K 766.491	5919.74	5921.25	5925.60
Mg 279.078	17268.9	17235.3	17223.3
Mn 257.610	11165.4	11138.0	11145.5
Mo 202.032	12.8585	11.5925	12.4811
Na 330.237	341.601u	623.466u	455.206u

Label	Replicates Concentration		
Ni 231.604	99.9196	100.531	99.8233
Pb 220.353	409.312	417.273	412.705
Sb 206.834	0.9747	-3.6141	-3.1150
Se 196.026	8.3330	4.3687	5.8349
Sn 189.925	32.4064	35.7201	34.8005
Sr 216.596	155.351	154.641	154.881
Ti 334.941	792.803	794.266	793.061
Tl 190.794	-19.4955u	-18.4296u	-16.8780u
V 292.401	892.363	892.928	892.370
Zn 206.200	873.965	874.759	874.890

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-2.5802	ppb	0.3398	13.2	-250.440
Al 308.215	158275	ppb	66.4804	0.0	1048796
As 188.980	274.339	ppb	2.5469	0.9	143.062
B 249.678	14.3563	ppb	0.9678	6.7	-955.426
Ba 389.178	1309.81	ppb	0.4012	0.0	26825.0
Be 313.042	15.4848	ppb	0.0211	0.1	24944.8
Ca 370.602	67007	ppb	229.1	0.3	149809
Cd 226.502	-2.6786	ppb	0.3753	14.0	1970.36
Co 228.615	139.271	ppb	0.6791	0.5	1505.47
Cr 267.716	545.979	ppb	0.7590	0.1	27420.1
Cu 324.754	170.589	ppb	1.2808	0.8	12440.5
Fe 271.441	575875	ppb	290.687	0.1	811009
K 766.491	5922.20	ppb	3.0417	0.1	253666
Mg 279.078	17242.5	ppb	23.6317	0.1	41650.5
Mn 257.610	11149.6	ppb	14.1706	0.1	2307462
Mo 202.032	12.3107	ppb	0.6500	5.3	57.0134
Na 330.237	473.424	ppb	141.813	30.0	-114.041
Ni 231.604	100.091	ppb	0.3840	0.4	316.188
Pb 220.353	413.097	ppb	3.9951	1.0	554.794
Sb 206.834	-1.9181	ppb	2.5177	131.3	21.4655
Se 196.026	6.1789	ppb	2.0044	32.4	11.6246
Sn 189.925	34.3090	ppb	1.7106	5.0	17.1839
Sr 216.596	154.958	ppb	0.3613	0.2	2331.92
Ti 334.941	793.377	ppb	0.7808	0.1	220187
Tl 190.794	-18.2677	ppb	1.3162	7.2	-86.2912
V 292.401	892.554	ppb	0.3241	0.0	23317.8
Zn 206.200	874.538	ppb	0.5006	0.1	766.786

CRI (Samp) **10/15/2014, 6:57:23 PM** **Rack 2, Tube 57**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Replicates Concentration		
Ag 328.068	10.6337	11.2039	10.5266
Al 308.215	228.804	229.509	230.628
As 188.980	28.9493	26.2916	23.0885
B 249.678	102.395	103.204	101.959
Ba 389.178	10.6057	9.5767	10.8280
Be 313.042	4.1638	4.1731	4.1321
Ca 370.602	528.4	538.3	526.7
Cd 226.502	5.2548	5.0585	5.2206
Co 228.615	10.2640	9.9137	10.5578
Cr 267.716	10.2271	10.4872	10.3409

Label	Replicates Concentration		
Cu 324.754	21.9370	22.1381	21.7848
Fe 271.441	111.301	99.8163	121.555
K 766.491	1082.15	1082.83	1071.61
Mg 279.078	518.601	521.257	516.693
Mn 257.610	12.5198	12.5559	12.7751
Mo 202.032	10.0381	10.2362	9.7838
Na 330.237	884.355	933.005	921.825
Ni 231.604	40.7199	42.6172	41.3699
Pb 220.353	11.0460	12.3205	13.1196
Sb 206.834	19.4630	22.7597	24.7900
Se 196.026	15.9896	27.7961	28.1782
Sn 189.925	54.0013	57.1086	56.2722
Sr 216.596	10.2624	10.4208	10.0501
Ti 334.941	10.7743	10.6626	10.6584
Tl 190.794	26.5001	28.0430	24.5468
V 292.401	10.3929	10.3810	10.2583
Zn 206.200	20.8404	19.1561	21.1605

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	10.7881	ppb	0.3641	3.4	823.643
Al 308.215	229.647	ppb	0.9195	0.4	1915.69
As 188.980	26.1098	ppb	2.9346	11.2	11.5946
B 249.678	102.519	ppb	0.6320	0.6	1585.72
Ba 389.178	10.3368	ppb	0.6676	6.5	159.637
Be 313.042	4.1563	ppb	0.0215	0.5	6448.60
Ca 370.602	531.2	ppb	6.245	1.2	1242
Cd 226.502	5.1780	ppb	0.1049	2.0	207.385
Co 228.615	10.2452	ppb	0.3225	3.1	109.823
Cr 267.716	10.3517	ppb	0.1304	1.3	544.796
Cu 324.754	21.9533	ppb	0.1772	0.8	1789.91
Fe 271.441	110.891	ppb	10.8752	9.8	164.197
K 766.491	1078.86	ppb	6.2935	0.6	46476.9
Mg 279.078	518.850	ppb	2.2922	0.4	1279.17
Mn 257.610	12.6169	ppb	0.1381	1.1	2653.88
Mo 202.032	10.0194	ppb	0.2268	2.3	68.2640
Na 330.237	913.061	ppb	25.4814	2.8	65.1528
Ni 231.604	41.5690	ppb	0.9642	2.3	110.362
Pb 220.353	12.1620	ppb	1.0458	8.6	17.7583
Sb 206.834	22.3376	ppb	2.6885	12.0	30.5322
Se 196.026	23.9880	ppb	6.9294	28.9	11.9790
Sn 189.925	55.7941	ppb	1.6079	2.9	31.3112
Sr 216.596	10.2444	ppb	0.1860	1.8	113.486
Ti 334.941	10.6984	ppb	0.0657	0.6	2907.56
Tl 190.794	26.3633	ppb	1.7521	6.6	19.8148
V 292.401	10.3441	ppb	0.0745	0.7	259.192
Zn 206.200	20.3856	ppb	1.0768	5.3	19.5673

mb 680-353262/1-a (Samp) **10/15/2014, 7:01:40 PM** **Rack 2, Tube 58**

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

Label	Replicates Concentration		
Ag 328.068	0.0929	0.2257	0.1680
Al 308.215	13.7687	12.8810	12.7680
As 188.980	1.3930	-3.9839u	-1.3873u

Label	Replicates Concentration		
B 249.678	2.8973	1.8897	2.1491
Ba 389.178	-0.3148u	-0.4665u	0.4699
Be 313.042	0.0190	0.0202	0.0174
Ca 370.602	16.95	11.83	18.28
Cd 226.502	0.0207	0.1029	-0.0965u
Co 228.615	-0.0070u	0.4065	0.3175
Cr 267.716	0.6469	0.4351	0.5319
Cu 324.754	0.3085	-0.1044u	0.1099
Fe 271.441	22.9631	24.8205	20.5785
K 766.491	7.4386	7.0876	7.5522
Mg 279.078	2.6402	3.7226	1.8952
Mn 257.610	0.5626	0.4766	0.4442
Mo 202.032	-0.3437u	-0.3317u	0.0863
Na 330.237	-15.2435u	-23.8368u	-0.0743u
Ni 231.604	1.5598	1.1465	0.8678
Pb 220.353	2.0331	3.0117	-0.3979u
Sb 206.834	2.8456	1.8443	1.5353
Se 196.026	-5.4661u	8.1271	-0.1752u
Sn 189.925	7.9705	6.4058	7.7183
Sr 216.596	-0.1045u	-0.1303u	0.1698
Ti 334.941	0.2852	0.2394	0.2880
Tl 190.794	-1.0366u	-1.0599u	2.2988
V 292.401	0.2679	0.1489	-0.1196u
Zn 206.200	2.3098	3.5451	3.5296

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	0.1622	ppb	0.0666	41.1	2.0839
Al 308.215	13.1392	ppb	0.5480	4.2	481.341
As 188.980	-1.3261	ppb	2.6890	202.8	-3.1233
B 249.678	2.3120	ppb	0.5232	22.6	70.4093
Ba 389.178	-0.1038	ppb	0.5026	484.3	-52.8746
Be 313.042	0.0188	ppb	0.0014	7.4	-286.336
Ca 370.602	15.68	ppb	3.406	21.7	47.28
Cd 226.502	0.0090	ppb	0.1002	1111.3	13.6194
Co 228.615	0.2390	ppb	0.2176	91.1	5.6499
Cr 267.716	0.5380	ppb	0.1060	19.7	57.8388
Cu 324.754	0.1047	ppb	0.2065	197.3	257.232
Fe 271.441	22.7874	ppb	2.1265	9.3	38.9337
K 766.491	7.3595	ppb	0.2422	3.3	639.908
Mg 279.078	2.7526	ppb	0.9189	33.4	25.6058
Mn 257.610	0.4945	ppb	0.0612	12.4	143.034
Mo 202.032	-0.1963	ppb	0.2449	124.7	5.0595
Na 330.237	-13.0515	ppb	12.0319	92.2	21.3482
Ni 231.604	1.1914	ppb	0.3481	29.2	-1.4751
Pb 220.353	1.5490	ppb	1.7556	113.3	2.6436
Sb 206.834	2.0751	ppb	0.6850	33.0	3.8710
Se 196.026	0.8286	ppb	6.8520	826.9	3.0593
Sn 189.925	7.3649	ppb	0.8401	11.4	-0.5305
Sr 216.596	-0.0217	ppb	0.1663	767.5	2.1648
Ti 334.941	0.2709	ppb	0.0273	10.1	13.2928
Tl 190.794	0.0674	ppb	1.9325	2866.2	-5.8970
V 292.401	0.0991	ppb	0.1985	200.3	-4.4994
Zn 206.200	3.1282	ppb	0.7088	22.7	4.0266

lcs 680-353262/2-a (Samp) **10/15/2014, 7:05:57 PM** **Rack 2, Tube 59**

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

Label	Replicates Concentration		
Ag 328.068	48.4231	48.7521	49.1828
Al 308.215	4677.14	4689.89	4704.92
As 188.980	100.715	103.958	107.727
B 249.678	184.358	185.845	187.625
Ba 389.178	94.0638	94.7535	93.7273
Be 313.042	48.6698	48.7885	48.9754
Ca 370.602	4794	4832	4867
Cd 226.502	47.7705	48.4973	47.8491
Co 228.615	48.1402	49.0129	49.5872
Cr 267.716	96.8158	97.1879	97.8406
Cu 324.754	100.624	101.117	101.930
Fe 271.441	4791.15	4804.56	4826.78
K 766.491	4923.05	4926.23	4951.15
Mg 279.078	4683.04	4694.32	4715.17
Mn 257.610	501.958	504.022	505.569
Mo 202.032	96.1202	95.5007	96.2055
Na 330.237	4546.15	4458.25	4534.91
Ni 231.604	97.5771	97.0290	95.9932
Pb 220.353	482.593	484.688	483.631
Sb 206.834	46.8712	51.2269	46.5380
Se 196.026	91.0367	99.3241	92.5507
Sn 189.925	195.525	199.224	201.590
Sr 216.596	93.0394	93.2327	93.5656
Ti 334.941	97.6346	97.9927	98.2175
Tl 190.794	40.0711	37.8029	36.1330
V 292.401	96.5106	96.8790	97.4283
Zn 206.200	93.8055	95.0085	95.3930

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	48.7860	ppb	0.3809	0.8	3761.58
Al 308.215	4690.65	ppb	13.9044	0.3	31456.4
As 188.980	104.134	ppb	3.5094	3.4	53.4462
B 249.678	185.943	ppb	1.6355	0.9	2837.71
Ba 389.178	94.1815	ppb	0.5231	0.6	1868.29
Be 313.042	48.8112	ppb	0.1541	0.3	79139.3
Ca 370.602	4831	ppb	36.61	0.8	11177
Cd 226.502	48.0390	ppb	0.3988	0.8	1828.13
Co 228.615	48.9134	ppb	0.7286	1.5	512.505
Cr 267.716	97.2814	ppb	0.5188	0.5	4861.66
Cu 324.754	101.223	ppb	0.6592	0.7	7353.67
Fe 271.441	4807.49	ppb	17.9976	0.4	6783.15
K 766.491	4933.47	ppb	15.3879	0.3	211370
Mg 279.078	4697.51	ppb	16.3009	0.3	11420.8
Mn 257.610	503.850	ppb	1.8119	0.4	104281
Mo 202.032	95.9421	ppb	0.3847	0.4	599.699
Na 330.237	4513.11	ppb	47.8340	1.1	234.141
Ni 231.604	96.8664	ppb	0.8044	0.8	263.820
Pb 220.353	483.637	ppb	1.0473	0.2	689.715
Sb 206.834	48.2120	ppb	2.6163	5.4	64.3598
Se 196.026	94.3039	ppb	4.4131	4.7	39.1803
Sn 189.925	198.779	ppb	3.0569	1.5	125.323
Sr 216.596	93.2792	ppb	0.2662	0.3	1024.88

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ti 334.941	97.9483	ppb	0.2940	0.3	27125.2
Tl 190.794	38.0023	ppb	1.9766	5.2	30.8188
V 292.401	96.9393	ppb	0.4618	0.5	2489.21
Zn 206.200	94.7357	ppb	0.8281	0.9	86.2447

680-106200-b-51-a (Samp) **10/15/2014, 7:10:14 PM** **Rack 2, Tube 60**

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

Label	Replicates Concentration		
Ag 328.068	8.8973	9.0423	9.1309
Al 308.215	133745	133764	133615
As 188.980	280.895	273.876	278.510
B 249.678	59.0859	57.8067	57.6768
Ba 389.178	4109.96	4110.49	4108.61
Be 313.042	12.6721	12.6925	12.7049
Ca 370.602	76069	76281	76140
Cd 226.502	20.0238	20.5314	20.0729
Co 228.615	127.737	128.255	128.130
Cr 267.716	711.744	711.855	711.578
Cu 324.754	1973.20	1970.39	1969.26
Fe 271.441	406921	407901	407421
K 766.491	13317.5	13314.0	13351.6
Mg 279.078	13255.6	13284.7	13256.0
Mn 257.610	9236.23	9219.96	9229.57
Mo 202.032	26.9406	27.8580	27.4061
Na 330.237	2694.78u	2701.81u	2830.16u
Ni 231.604	205.975	207.725	204.408
Pb 220.353	3337.08	3343.66	3346.03
Sb 206.834	52.2239	49.0521	41.2817
Se 196.026	1.4360	6.6959	12.2398
Sn 189.925	219.168	219.019	220.740
Sr 216.596	653.530	653.908	652.584
Ti 334.941	2198.68	2202.94	2200.48
Tl 190.794	-9.2548u	-8.2762u	-11.0840u
V 292.401	588.742	589.828	589.271
Zn 206.200	7944.06	7945.00	7921.78

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	9.0235	ppb	0.1179	1.3	648.577
Al 308.215	133708	ppb	81.3299	0.1	885920
As 188.980	277.760	ppb	3.5691	1.3	145.586
B 249.678	58.1898	ppb	0.7787	1.3	65.7435
Ba 389.178	4109.69	ppb	0.9665	0.0	83519.6
Be 313.042	12.6898	ppb	0.0166	0.1	20383.3
Ca 370.602	76163	ppb	108.0	0.1	173090
Cd 226.502	20.2094	ppb	0.2799	1.4	2217.80
Co 228.615	128.041	ppb	0.2701	0.2	1404.40
Cr 267.716	711.726	ppb	0.1392	0.0	35566.4
Cu 324.754	1970.95	ppb	2.0263	0.1	138646
Fe 271.441	407414	ppb	489.891	0.1	573770
K 766.491	13327.7	ppb	20.7643	0.2	570460
Mg 279.078	13265.5	ppb	16.6870	0.1	32033.4
Mn 257.610	9228.59	ppb	8.1793	0.1	1909689
Mo 202.032	27.4016	ppb	0.4587	1.7	157975

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Na 330.237	2742.25	ppb	76.2144	2.8	-142.857
Ni 231.604	206.036	ppb	1.6597	0.8	596.681
Pb 220.353	3342.26	ppb	4.6372	0.1	4741.31
Sb 206.834	47.5192	ppb	5.6299	11.8	82.9606
Se 196.026	6.7906	ppb	5.4025	79.6	10.1845
Sn 189.925	219.642	ppb	0.9538	0.4	139.038
Sr 216.596	653.340	ppb	0.6818	0.1	7595.06
Ti 334.941	2200.70	ppb	2.1382	0.1	610666
Tl 190.794	-9.5383	ppb	1.4252	14.9	-58.6975
V 292.401	589.280	ppb	0.5432	0.1	15408.2
Zn 206.200	7936.95	ppb	13.1448	0.2	7144.39

Cont Calib Verif (CCV) **10/15/2014, 7:14:31 PM** **Rack 3, Tube 1**

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

Label	Replicates Concentration		
Ag 328.068	492.079	491.033	489.140
Al 308.215	4819.53	4829.13	4824.82
As 188.980	460.343	456.641	456.071
B 249.678	481.390	484.750	486.378
Ba 389.178	4801.52	4806.98	4793.53
Be 313.042	484.999	483.682	484.601
Ca 370.602	4858	4886	4889
Cd 226.502	482.048	483.523	481.921
Co 228.615	492.108	493.044	492.081
Cr 267.716	4829.53	4843.97	4834.74
Cu 324.754	5066.25	5026.14	5030.56
Fe 271.441	4875.21	4886.30	4892.69
K 766.491	10028.6	10038.4	10040.0
Mg 279.078	4840.68	4859.78	4843.40
Mn 257.610	4985.09	4975.79	4973.95
Mo 202.032	486.542	490.001	490.613
Na 330.237	7462.36	7242.54	7559.63
Ni 231.604	2453.09	2467.81	2457.81
Pb 220.353	492.314	490.863	489.963
Sb 206.834	920.620	921.381	923.542
Se 196.026	4780.43	4798.94	4749.39
Sn 189.925	4871.83	4889.24	4882.56
Sr 216.596	2384.20	2397.03	2389.43
Ti 334.941	483.139	483.491	482.948
Tl 190.794	4922.71	4940.99	4936.66
V 292.401	4822.56	4834.87	4831.86
Zn 206.200	2401.80	2415.45	2383.07

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Ag 328.068	490.751	ppb	1.4893	0.3	37904.1	98.15012
Al 308.215	4824.50	ppb	4.8102	0.1	32823.6	96.48990
As 188.980	457.685	ppb	2.3196	0.5	243.031	91.53701
B 249.678	484.173	ppb	2.5437	0.5	7358.75	96.83456
Ba 389.178	4800.68	ppb	6.7615	0.1	97333.6	96.01356
Be 313.042	484.428	ppb	0.6753	0.1	788490	96.88551
Ca 370.602	4878	ppb	17.38	0.4	11546	97.55231
Cd 226.502	482.497	ppb	0.8903	0.2	18087.8	96.49950
Co 228.615	492.411	ppb	0.5487	0.1	5136.70	98.48219

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Cr 267.716	4836.08	ppb	7.3101	0.2	239981	96.72158
Cu 324.754	5040.98	ppb	21.9967	0.4	353760	100.81968
Fe 271.441	4884.73	ppb	8.8440	0.2	6982.40	97.69461
K 766.491	10035.7	ppb	6.2013	0.1	429633	100.35680
Mg 279.078	4847.95	ppb	10.3294	0.2	11704.2	96.95905
Mn 257.610	4978.28	ppb	5.9702	0.1	1029557	99.56553
Mo 202.032	489.052	ppb	2.1952	0.4	3027.72	97.81034
Na 330.237	7421.51	ppb	162.444	2.2	315.812	98.95347
Ni 231.604	2459.57	ppb	7.5196	0.3	6807.94	98.38284
Pb 220.353	491.047	ppb	1.1862	0.2	703.785	98.20934
Sb 206.834	921.848	ppb	1.5161	0.2	1260.59	92.18475
Se 196.026	4776.25	ppb	25.0370	0.5	1842.65	95.52509
Sn 189.925	4881.21	ppb	8.7803	0.2	3203.95	97.62417
Sr 216.596	2390.22	ppb	6.4498	0.3	26058.8	95.60889
Ti 334.941	483.193	ppb	0.2755	0.1	134023	96.63854
Tl 190.794	4933.45	ppb	9.5553	0.2	4825.30	98.66908
V 292.401	4829.76	ppb	6.4191	0.1	124897	96.59524
Zn 206.200	2400.11	ppb	16.2598	0.7	2153.95	96.00426

Cont Calib Blank (CCB) **10/15/2014, 7:18:49 PM** **Rack 3, Tube 2**

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

Label	Replicates Concentration		
Ag 328.068	0.1311	0.1048	0.2361
Al 308.215	12.6404	12.2566	13.4570
As 188.980	4.0816	5.2955	4.0241
B 249.678	8.9055	8.2337	6.6244
Ba 389.178	1.7099	1.4590	1.0681
Be 313.042	0.0709	0.0701	0.0902
Ca 370.602	-0.0567u	5.155	9.019
Cd 226.502	0.1107	0.0795	-0.0237u
Co 228.615	0.1307	0.5254	0.5798
Cr 267.716	0.6846	0.6317	0.9846
Cu 324.754	0.7312	0.6538	0.7921
Fe 271.441	9.5984	9.1806	13.0625
K 766.491	0.2262	-0.5498u	-0.3184u
Mg 279.078	0.0348	1.9721	0.5703
Mn 257.610	0.9988	0.9381	1.1832
Mo 202.032	0.6877	1.1050	0.3990
Na 330.237	-62.7587u	-100.759u	-90.5316u
Ni 231.604	0.9761	1.4721	0.6929
Pb 220.353	2.6673	1.6706	2.2296
Sb 206.834	2.2262	4.0643	3.0102
Se 196.026	11.2215	17.4390	4.3466
Sn 189.925	-0.8471u	3.1126	3.2532
Sr 216.596	0.0229	-0.2769u	0.2397
Ti 334.941	0.2522	0.2120	0.2879
Tl 190.794	4.3591	4.7326	0.9133
V 292.401	0.6739	0.5910	1.3657
Zn 206.200	1.6516	2.5498	-0.8634u

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Ag 328.068	0.1573	ppb	0.0695	44.2	1.7126	0.15734
Al 308.215	12.7847	ppb	0.6130	4.8	479.095	12.78466

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
As 188.980	4.4671	ppb	0.7180	16.1	-0.0156	4.46706
B 249.678	7.9212	ppb	1.1722	14.8	155.276	7.92118
Ba 389.178	1.4123	ppb	0.3234	22.9	-22.1302	1.41234
Be 313.042	0.0771	ppb	0.0114	14.7	-191.597	0.07709
Ca 370.602	4.706	ppb	4.555	96.8	22.03	4.70582
Cd 226.502	0.0555	ppb	0.0703	126.7	15.3144	0.05550
Co 228.615	0.4119	ppb	0.2451	59.5	7.4321	0.41195
Cr 267.716	0.7670	ppb	0.1903	24.8	69.1904	0.76698
Cu 324.754	0.7257	ppb	0.0693	9.6	300.808	0.72569
Fe 271.441	10.6139	ppb	2.1309	20.1	21.8109	10.61388
K 766.491	-0.2140	ppb	0.3984	186.2	315.928	-0.21398
Mg 279.078	0.8591	ppb	1.0004	116.5	20.9960	0.85910
Mn 257.610	1.0401	ppb	0.1277	12.3	255.800	1.04006
Mo 202.032	0.7305	ppb	0.3549	48.6	10.7952	0.73054
Na 330.237	-84.6830	ppb	19.6635	23.2	17.9791	-84.68301
Ni 231.604	1.0471	ppb	0.3944	37.7	-1.8761	1.04706
Pb 220.353	2.1892	ppb	0.4996	22.8	3.5565	2.18920
Sb 206.834	3.1002	ppb	0.9224	29.8	5.2088	3.10024
Se 196.026	11.0024	ppb	6.5490	59.5	6.9764	11.00239Z
Sn 189.925	1.8396	ppb	2.3278	126.5	-4.1633	1.83957
Sr 216.596	-0.0048	ppb	0.2594	5425.3	2.3152	-0.00478
Ti 334.941	0.2507	ppb	0.0380	15.2	7.6873	0.25069
Tl 190.794	3.3350	ppb	2.1056	63.1	-2.7023	3.33502
V 292.401	0.8769	ppb	0.4254	48.5	15.5028	0.87689
Zn 206.200	1.1127	ppb	1.7693	159.0	2.2080	1.11267

680-106200-b-51-aSD (Samp) **10/15/2014, 7:23:06 PM** **Rack 3, Tube 3**

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

Label	Replicates Concentration		
Ag 328.068	1.5096	1.5315	1.7077
Al 308.215	27131.5	26333.3	25684.8
As 188.980	61.5815	60.5498	56.8594
B 249.678	14.7556	14.1782	13.8262
Ba 389.178	868.544	844.925	823.842
Be 313.042	2.6327	2.5641	2.5059
Ca 370.602	15418	15093	14746
Cd 226.502	4.8629	4.4175	3.7907
Co 228.615	26.2962	26.3525	25.6783
Cr 267.716	149.170	145.020	141.741
Cu 324.754	398.755	383.386	376.866
Fe 271.441	85143.9	82786.1	80721.0
K 766.491	2442.33	2391.91	2333.85
Mg 279.078	2858.28	2786.75	2721.20
Mn 257.610	2016.49	1964.58	1916.48
Mo 202.032	5.6477	4.9827	5.4318
Na 330.237	585.781u	671.418u	621.285u
Ni 231.604	43.5737	42.7811	42.2786
Pb 220.353	715.943	698.395	678.889
Sb 206.834	9.2218	12.6429	7.5687
Se 196.026	4.1268	9.2832	4.5253
Sn 189.925	47.4953	50.2126	50.1758
Sr 216.596	141.190	136.355	132.834
Ti 334.941	463.594	450.436	439.694

Label	Replicates Concentration		
Tl 190.794	-6.3598u	-0.7626u	2.1998u
V 292.401	123.696	120.014	117.719
Zn 206.200	1680.93	1649.29	1614.86

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	1.5829	ppb	0.1086	6.9	104.336
Al 308.215	26383.2	ppb	724.667	2.7	175131
As 188.980	59.6636	ppb	2.4827	4.2	29.3815
B 249.678	14.2533	ppb	0.4693	3.3	77.5690
Ba 389.178	845.770	ppb	22.3633	2.6	17147.7
Be 313.042	2.5676	ppb	0.0635	2.5	3871.46
Ca 370.602	15086	ppb	336.4	2.2	34278
Cd 226.502	4.3570	ppb	0.5387	12.4	471.901
Co 228.615	26.1090	ppb	0.3741	1.4	289.000
Cr 267.716	145.310	ppb	3.7232	2.6	7286.63
Cu 324.754	386.336	ppb	11.2384	2.9	27378.8
Fe 271.441	82883.6	ppb	2213.10	2.7	116732
K 766.491	2389.36	ppb	54.2822	2.3	102538
Mg 279.078	2788.74	ppb	68.5619	2.5	6749.15
Mn 257.610	1965.85	ppb	50.0149	2.5	406818
Mo 202.032	5.3541	ppb	0.3393	6.3	35.7599
Na 330.237	626.161	ppb	43.0266	6.9	-9.2969
Ni 231.604	42.8778	ppb	0.6530	1.5	120.269
Pb 220.353	697.742	ppb	18.5354	2.7	990.300
Sb 206.834	9.8111	ppb	2.5879	26.4	17.9886
Se 196.026	5.9784	ppb	2.8689	48.0	6.0451
Sn 189.925	49.2946	ppb	1.5583	3.2	27.0375
Sr 216.596	136.793	ppb	4.1952	3.1	1589.85
Ti 334.941	451.241	ppb	11.9703	2.7	125164
Tl 190.794	-1.6409	ppb	4.3469	264.9	-16.3855
V 292.401	120.476	ppb	3.0155	2.5	3144.51
Zn 206.200	1648.36	ppb	33.0446	2.0	1484.77

680-106200-b-51-aPDS (Samp) **10/15/2014, 7:27:23 PM** **Rack 3, Tube 4**

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

Label	Replicates Concentration		
Ag 328.068	101.633	101.344	100.655
Al 308.215	134719	134313	134061
As 188.980	382.147	379.260	384.727
B 249.678	241.284	243.831	244.808
Ba 389.178	4157.62	4145.28	4136.75
Be 313.042	106.967	106.630	106.509
Ca 370.602	84334	83938	83774
Cd 226.502	112.401	111.072	111.118
Co 228.615	221.167	219.391	217.719
Cr 267.716	799.340	797.055	794.473
Cu 324.754	2071.23	2054.77	2055.91
Fe 271.441	412803	411567	410059
K 766.491	23515.8	23481.2	23468.4
Mg 279.078	22422.9	22370.2	22301.7
Mn 257.610	10060.0	10020.8	9960.70
Mo 202.032	120.086	119.960	120.570
Na 330.237	11692.3	11557.1	11546.7

Label	Replicates Concentration		
Ni 231.604	299.234	295.912	298.246
Pb 220.353	3405.43	3394.76	3370.04
Sb 206.834	145.064	138.763	141.901
Se 196.026	125.815	112.321	101.892
Sn 189.925	309.126	312.798	304.790
Sr 216.596	742.139	739.849	739.401
Ti 334.941	2260.41	2256.70	2252.99
Tl 190.794	14.5584u	9.4737u	2.3083u
V 292.401	680.394	679.582	676.690
Zn 206.200	7975.11	7950.34	7912.70

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	101.211	ppb	0.5021	0.5	7778.65
Al 308.215	134364	ppb	331.656	0.2	890284
As 188.980	382.045	ppb	2.7348	0.7	201.488
B 249.678	243.308	ppb	1.8193	0.7	2854.72
Ba 389.178	4146.55	ppb	10.4919	0.3	84282.1
Be 313.042	106.702	ppb	0.2374	0.2	173427
Ca 370.602	84015	ppb	288.2	0.3	191232
Cd 226.502	111.530	ppb	0.7541	0.7	5654.90
Co 228.615	219.425	ppb	1.7245	0.8	2355.86
Cr 267.716	796.956	ppb	2.4350	0.3	39800.3
Cu 324.754	2060.63	ppb	9.1899	0.4	144940
Fe 271.441	411476	ppb	1374.03	0.3	579501
K 766.491	23488.5	ppb	24.4997	0.1	1005120
Mg 279.078	22364.9	ppb	60.7757	0.3	54125.1
Mn 257.610	10013.8	ppb	50.0305	0.5	2072156
Mo 202.032	120.205	ppb	0.3222	0.3	731.955
Na 330.237	11598.7	ppb	81.2327	0.7	278.414
Ni 231.604	297.797	ppb	1.7061	0.6	851.089
Pb 220.353	3390.08	ppb	18.1550	0.5	4809.20
Sb 206.834	141.910	ppb	3.1503	2.2	207.084
Se 196.026	113.342	ppb	11.9939	10.6	51.4093
Sn 189.925	308.905	ppb	4.0086	1.3	197.729
Sr 216.596	740.463	ppb	1.4685	0.2	8552.57
Ti 334.941	2256.70	ppb	3.7106	0.2	626220
Tl 190.794	8.7801	ppb	6.1544	70.1	-40.9673
V 292.401	678.889	ppb	1.9468	0.3	17715.1
Zn 206.200	7946.05	ppb	31.4230	0.4	7152.16

680-106200-a-51-a ms (Samp) **10/15/2014, 7:31:41 PM** **Rack 3, Tube 5**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Replicates Concentration		
Ag 328.068	44.9916	44.9514	45.4797
Al 308.215	154060	154300	154179
As 188.980	476.782	477.364	469.468
B 249.678	195.023	196.121	195.452
Ba 389.178	4936.18	4933.98	4925.27
Be 313.042	58.9477	58.9183	58.7930
Ca 370.602	66526	66728	66786
Cd 226.502	63.0710	63.5535	63.3591
Co 228.615	342.730	342.796	345.111
Cr 267.716	610.579	612.284	611.554

Label	Replicates Concentration		
Cu 324.754	2179.14	2191.05	2151.52
Fe 271.441	521046	521177	519929
K 766.491	19317.4	19286.1	19262.3
Mg 279.078	16031.5	16091.1	16084.4
Mn 257.610	26424.8	26779.5	26901.7
Mo 202.032	115.897	115.595	117.942
Na 330.237	6951.58	6688.21	6809.65
Ni 231.604	264.801	262.861	264.011
Pb 220.353	3854.32	3873.28	3876.36
Sb 206.834	41.2337	38.6346	39.3927
Se 196.026	88.8613	75.7874	90.0934
Sn 189.925	325.249	335.142	325.997
Sr 216.596	684.357	687.191	686.543
Ti 334.941	1864.77	1864.18	1862.87
Tl 190.794	24.8755u	25.8378u	20.6659u
V 292.401	745.262	745.978	743.545
Zn 206.200	7598.46	7632.93	7596.54

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	45.1409	ppb	0.2941	0.7	3505.60
Al 308.215	154180	ppb	120.152	0.1	1021596
As 188.980	474.538	ppb	4.4005	0.9	250.699
B 249.678	195.532	ppb	0.5534	0.3	1900.97
Ba 389.178	4931.81	ppb	5.7695	0.1	100255
Be 313.042	58.8864	ppb	0.0821	0.1	95575.9
Ca 370.602	66680	ppb	136.2	0.2	150294
Cd 226.502	63.3278	ppb	0.2428	0.4	4242.57
Co 228.615	343.546	ppb	1.3560	0.4	3647.80
Cr 267.716	611.473	ppb	0.8555	0.1	30717.9
Cu 324.754	2173.90	ppb	20.2785	0.9	152929
Fe 271.441	520717	ppb	685.667	0.1	733354
K 766.491	19288.6	ppb	27.6714	0.1	825456
Mg 279.078	16069.0	ppb	32.6472	0.2	38514.5
Mn 257.610	26702.0	ppb	247.712	0.9	5523400
Mo 202.032	116.478	ppb	1.2769	1.1	704.147
Na 330.237	6816.48	ppb	131.818	1.9	32.8383
Ni 231.604	263.891	ppb	0.9755	0.4	765.264
Pb 220.353	3867.99	ppb	11.9352	0.3	5486.92
Sb 206.834	39.7537	ppb	1.3367	3.4	73.8356
Se 196.026	84.9140	ppb	7.9279	9.3	44.5040
Sn 189.925	328.796	ppb	5.5088	1.7	210.806
Sr 216.596	686.030	ppb	1.4848	0.2	8069.73
Ti 334.941	1863.94	ppb	0.9715	0.1	517239
Tl 190.794	23.7931	ppb	2.7506	11.6	-31.4219
V 292.401	744.928	ppb	1.2506	0.2	19468.4
Zn 206.200	7609.31	ppb	20.4780	0.3	6844.65

680-106200-a-51-b ms (Samp) **10/15/2014, 7:35:58 PM** **Rack 3, Tube 6**

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

Label	Replicates Concentration		
Ag 328.068	49.0003	49.6111	48.6799
Al 308.215	159928	160066	160005
As 188.980	400.485	397.187	403.260

Label	Replicates Concentration		
B 249.678	194.735	196.291	195.721
Ba 389.178	4503.00	4506.85	4498.50
Be 313.042	60.3276	60.4127	60.2479
Ca 370.602	80705	80764	80328
Cd 226.502	65.1756	65.7836	65.9006
Co 228.615	251.498	251.261	253.168
Cr 267.716	766.602	767.251	764.759
Cu 324.754	4724.70	4745.72	4749.88
Fe 271.441	480720	480795	475983
K 766.491	17469.1	17490.1	17490.7
Mg 279.078	17731.7	17720.6	17682.8
Mn 257.610	19941.8	19939.1	19782.5
Mo 202.032	111.935	113.878	110.771
Na 330.237	7190.76	7172.99	7365.37
Ni 231.604	248.638	249.178	247.163
Pb 220.353	3641.92	3662.65	3640.95
Sb 206.834	42.6920	38.5304	43.7421
Se 196.026	72.0720	90.7057	84.4396
Sn 189.925	383.419	369.531	386.691
Sr 216.596	675.360	675.334	671.004
Ti 334.941	1951.81	1956.00	1952.30
Tl 190.794	32.0220u	25.6893u	25.5849u
V 292.401	862.863	863.047	861.672
Zn 206.200	7419.91	7408.76	7355.87

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	49.0971	ppb	0.4731	1.0	3786.51
Al 308.215	160000	ppb	68.8818	0.0	1060053
As 188.980	400.311	ppb	3.0402	0.8	211.145
B 249.678	195.582	ppb	0.7876	0.4	1988.32
Ba 389.178	4502.78	ppb	4.1783	0.1	91535.4
Be 313.042	60.3294	ppb	0.0824	0.1	97939.6
Ca 370.602	80599	ppb	236.5	0.3	182764
Cd 226.502	65.6199	ppb	0.3892	0.6	4180.95
Co 228.615	251.976	ppb	1.0393	0.4	2693.49
Cr 267.716	766.204	ppb	1.2928	0.2	38346.5
Cu 324.754	4740.10	ppb	13.4999	0.3	332894
Fe 271.441	479166	ppb	2757.17	0.6	674831
K 766.491	17483.3	ppb	12.2589	0.1	748228
Mg 279.078	17711.7	ppb	25.6587	0.1	42629.3
Mn 257.610	19887.8	ppb	91.2097	0.5	4114171
Mo 202.032	112.195	ppb	1.5696	1.4	679.285
Na 330.237	7243.04	ppb	106.313	1.5	68.0350
Ni 231.604	248.326	ppb	1.0428	0.4	719.200
Pb 220.353	3648.50	ppb	12.2583	0.3	5175.20
Sb 206.834	41.6548	ppb	2.7563	6.6	76.8132
Se 196.026	82.4057	ppb	9.4819	11.5	41.9134
Sn 189.925	379.880	ppb	9.1113	2.4	244.393
Sr 216.596	673.899	ppb	2.5072	0.4	7898.15
Ti 334.941	1953.37	ppb	2.2875	0.1	542053
Tl 190.794	27.7654	ppb	3.6867	13.3	-25.7497
V 292.401	862.527	ppb	0.7466	0.1	22496.9
Zn 206.200	7394.85	ppb	34.2112	0.5	6652.34

680-106200-b-53-a (Samp) **10/15/2014, 7:40:16 PM** **Rack 3, Tube 7**

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

Label	Replicates Concentration		
Ag 328.068	1.8533	1.6646	1.3933
Al 308.215	114124	113986	114009
As 188.980	222.869	224.909	225.402
B 249.678	36.9860u	37.7230u	37.6899u
Ba 389.178	2490.81	2483.19	2482.08
Be 313.042	11.2263	11.1978	11.2028
Ca 370.602	185945	185780	187502
Cd 226.502	13.1339	13.2534	12.8005
Co 228.615	125.551	125.165	126.863
Cr 267.716	307.971	306.502	307.286
Cu 324.754	758.894	758.489	767.354
Fe 271.441	321873	321277	321258
K 766.491	30730.3	30684.6	30628.6
Mg 279.078	26727.2	26688.5	26717.7
Mn 257.610	44515.8x	44561.2x	44522.2x
Mo 202.032	26.5770	25.9602	26.3910
Na 330.237	2552.57u	2337.51u	2515.83u
Ni 231.604	191.673	191.970	195.212
Pb 220.353	2627.47	2633.28	2631.20
Sb 206.834	7.8057	6.6463	11.2731
Se 196.026	6.2158	14.8906	-0.4629
Sn 189.925	65.6939	79.6564	74.4632
Sr 216.596	459.986	458.381	458.895
Ti 334.941	1532.97	1525.47	1526.37
Tl 190.794	6.2161u	12.3571u	8.8045u
V 292.401	356.474	355.519	355.454
Zn 206.200	4614.28	4589.60	4607.91

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	1.6371b	ppb	0.2312	14.1	261.850
Al 308.215	114039b	ppb	73.9403	0.1	755601
As 188.980	224.394b	ppb	1.3427	0.6	117.233
B 249.678	37.4663b	ppb	0.4163	1.1	-71.8966
Ba 389.178	2485.36b	ppb	4.7494	0.2	50550.4
Be 313.042	11.2089b	ppb	0.0152	0.1	17987.8
Ca 370.602	186409b	ppb	949.9	0.5	429257
Cd 226.502	13.0626b	ppb	0.2347	1.8	1650.40
Co 228.615	125.860b	ppb	0.8903	0.7	1363.35
Cr 267.716	307.253b	ppb	0.7351	0.2	15617.6
Cu 324.754	761.579b	ppb	5.0056	0.7	53793.2
Fe 271.441	321469b	ppb	349.647	0.1	452735
K 766.491	30681.2b	ppb	50.9354	0.2	1312809
Mg 279.078	26711.1b	ppb	20.1791	0.1	64053.8
Mn 257.610	44533.1xb	ppb	24.5846	0.1	9210219
Mo 202.032	26.3094b	ppb	0.3164	1.2	155.028
Na 330.237	2468.63b	ppb	115.035	4.7	-52.9120
Ni 231.604	192.952b	ppb	1.9631	1.0	554.019
Pb 220.353	2630.65b	ppb	2.9396	0.1	3738.47
Sb 206.834	8.5750b	ppb	2.4074	28.1	24.9465
Se 196.026	6.8812b	ppb	7.6984	111.9	16.3871
Sn 189.925	73.2712b	ppb	7.0572	9.6	42.8016
Sr 216.596	459.087b	ppb	0.8194	0.2	5421.63

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ti 334.941	1528.27b	ppb	4.0943	0.3	424091
Tl 190.794	9.1259b	ppb	3.0831	33.8	-14.5978
V 292.401	355.816b	ppb	0.5712	0.2	9334.76
Zn 206.200	4603.93b	ppb	12.8122	0.3	4141.66

680-106200-b-60-a (Samp) **10/15/2014, 7:44:33 PM** **Rack 3, Tube 8**

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

Label	Replicates Concentration		
Ag 328.068	-2.3208u	-2.1988u	-2.3151u
Al 308.215	167750	168118	168009
As 188.980	604.935	606.382	596.715
B 249.678	24.3768u	22.7876u	23.5697u
Ba 389.178	747.078	746.128	746.573
Be 313.042	12.2760	12.2913	12.2634
Ca 370.602	54125	54161	54033
Cd 226.502	-3.9721	-3.5671	-4.0447
Co 228.615	139.589	138.292	138.285
Cr 267.716	702.824	704.491	702.913
Cu 324.754	126.427	125.549	125.841
Fe 271.441	715126	714380	713484
K 766.491	8215.26	8225.08	8231.69
Mg 279.078	10513.4	10530.8	10519.0
Mn 257.610	16000.5	16021.8	15947.3
Mo 202.032	24.7934	24.9170	24.6810
Na 330.237	182.708u	690.866u	617.902u
Ni 231.604	95.2860	93.8869	94.4084
Pb 220.353	311.017	308.983	310.922
Sb 206.834	5.9304	2.5960	-3.2794
Se 196.026	13.3675	-2.0399	11.1223
Sn 189.925	34.0795	30.1421	29.9617
Sr 216.596	151.964	151.248	150.975
Ti 334.941	899.855	901.189	900.765
Tl 190.794	-25.2124u	-24.2837u	-22.4621u
V 292.401	836.668	837.758	836.299
Zn 206.200	604.398	599.802	599.111

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-2.2782	ppb	0.0688	3.0	-225.928
Al 308.215	167959	ppb	189.077	0.1	1113110
As 188.980	602.677	ppb	5.2137	0.9	318.558
B 249.678	23.5781	ppb	0.7946	3.4	-1106.33
Ba 389.178	746.593	ppb	0.4757	0.1	15462.6
Be 313.042	12.2769	ppb	0.0140	0.1	19709.2
Ca 370.602	54107	ppb	65.94	0.1	118772
Cd 226.502	-3.8613	ppb	0.2574	6.7	2420.57
Co 228.615	138.722	ppb	0.7507	0.5	1510.35
Cr 267.716	703.409	ppb	0.9379	0.1	35315.2
Cu 324.754	125.939	ppb	0.4471	0.4	9367.40
Fe 271.441	714330	ppb	822.232	0.1	1005989
K 766.491	8224.01	ppb	8.2714	0.1	352133
Mg 279.078	10521.0	ppb	8.9135	0.1	25228.6
Mn 257.610	15989.9	ppb	38.3564	0.2	3308725
Mo 202.032	24.7971	ppb	0.1181	0.5	128435

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Na 330.237	497.159	ppb	274.755	55.3	-138.827
Ni 231.604	94.5271	ppb	0.7071	0.7	311.343
Pb 220.353	310.308	ppb	1.1481	0.4	400.692
Sb 206.834	1.7490	ppb	4.6630	266.6	31.8975
Se 196.026	7.4833	ppb	8.3234	111.2	14.1020
Sn 189.925	31.3944	ppb	2.3271	7.4	15.2674
Sr 216.596	151.396	ppb	0.5107	0.3	2436.30
Ti 334.941	900.603	ppb	0.6816	0.1	249945
Tl 190.794	-23.9861	ppb	1.3991	5.8	-106.448
V 292.401	836.908	ppb	0.7585	0.1	21917.9
Zn 206.200	601.104	ppb	2.8741	0.5	514.409

680-106200-b-45-a (Samp) **10/15/2014, 7:48:50 PM** **Rack 3, Tube 9**

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

Label	Replicates Concentration		
Ag 328.068	-3.5944	-3.4650	-3.0011
Al 308.215	118358	118440	118315
As 188.980	347.705	353.850	349.852
B 249.678	64.3009u	65.4420u	64.9234u
Ba 389.178	11708.4x	11693.7x	11689.1x
Be 313.042	15.0957	15.0968	15.0670
Ca 370.602	257676	259156	259772
Cd 226.502	4.2680	3.9381	4.2103
Co 228.615	336.031	335.357	334.757
Cr 267.716	359.892	359.321	360.406
Cu 324.754	420.056	415.931	412.628
Fe 271.441	515910	517311	518674
K 766.491	12917.9	12922.1	12883.3
Mg 279.078	80439.0	80520.1	80639.4
Mn 257.610	79823.6x	79680.2x	79890.6x
Mo 202.032	78.3535	80.6586	79.0852
Na 330.237	1062.55u	1192.34u	933.720u
Ni 231.604	228.710	227.613	230.514
Pb 220.353	1036.25	1029.54	1039.20
Sb 206.834	6.2508	5.4966	3.5224
Se 196.026	23.1854	12.1642	8.7734
Sn 189.925	72.2261	71.5436	63.2758
Sr 216.596	485.836	485.799	487.761
Ti 334.941	1841.11	1837.22	1834.58
Tl 190.794	13.5498u	14.0774u	4.6480u
V 292.401	452.237	451.952	450.854
Zn 206.200	1872.96	1877.85	1884.35

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-3.3535b	ppb	0.3120	9.3	10.2844
Al 308.215	118371b	ppb	63.4612	0.1	784601
As 188.980	350.469b	ppb	3.1189	0.9	183.862
B 249.678	64.8888b	ppb	0.5714	0.9	-68.2377
Ba 389.178	11697.1xb	ppb	10.0914	0.1	237543
Be 313.042	15.0865b	ppb	0.0169	0.1	24300.9
Ca 370.602	258868b	ppb	1077	0.4	595686
Cd 226.502	4.1388b	ppb	0.1762	4.3	2016.82
Co 228.615	335.382b	ppb	0.6378	0.2	3562.67

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Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Cr 267.716	359.873b	ppb	0.5424	0.2	18472.3
Cu 324.754	416.205b	ppb	3.7214	0.9	29651.6
Fe 271.441	517298b	ppb	1382.23	0.3	728536
K 766.491	12907.8b	ppb	21.3005	0.2	552496
Mg 279.078	80532.8b	ppb	100.819	0.1	194159
Mn 257.610	79798.1xb	ppb	107.467	0.1	16503696
Mo 202.032	79.3658b	ppb	1.1778	1.5	474.909
Na 330.237	1062.87b	ppb	129.308	12.2	-99.0888
Ni 231.604	228.946b	ppb	1.4650	0.6	668.210
Pb 220.353	1035.00b	ppb	4.9526	0.5	1457.61
Sb 206.834	5.0899b	ppb	1.4089	27.7	25.9443
Se 196.026	14.7077b	ppb	7.5351	51.2	27.6921
Sn 189.925	69.0152b	ppb	4.9821	7.2	40.0028
Sr 216.596	486.466b	ppb	1.1222	0.2	5952.59
Ti 334.941	1837.64b	ppb	3.2868	0.2	510046
Tl 190.794	10.7584b	ppb	5.2984	49.2	-19.8716
V 292.401	451.681b	ppb	0.7305	0.2	11883.8
Zn 206.200	1878.38b	ppb	5.7122	0.3	1675.13

680-106200-b-44-a (Samp) **10/15/2014, 7:53:08 PM** **Rack 3, Tube 10**

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

Label	Replicates Concentration		
Ag 328.068	-1.3115u	-1.5718u	-1.5138u
Al 308.215	110371	110473	110469
As 188.980	97.7645	93.0202	82.7573
B 249.678	11.9005u	12.2152u	11.6712u
Ba 389.178	513.193	513.776	512.929
Be 313.042	10.8286	10.8368	10.8410
Ca 370.602	5034	5024	5031
Cd 226.502	-3.2114	-3.1627	-3.1374
Co 228.615	89.2105	89.2717	89.5736
Cr 267.716	192.658	192.505	192.216
Cu 324.754	204.437	204.462	204.152
Fe 271.441	281776	281990	281266
K 766.491	12323.0	12356.0	12331.8
Mg 279.078	2511.07	2512.63	2502.47
Mn 257.610	2539.65	2540.83	2536.29
Mo 202.032	12.7553	11.5212	12.5639
Na 330.237	169.292u	306.547u	323.200u
Ni 231.604	86.5520	84.8203	85.0146
Pb 220.353	130.773	130.069	126.421
Sb 206.834	2.7750	2.1972	-0.2569
Se 196.026	0.8928	-8.5713u	6.1107
Sn 189.925	18.3827	16.0487	19.0873
Sr 216.596	99.5080	98.9760	99.1980
Ti 334.941	325.821	325.937	325.913
Tl 190.794	-11.3174u	-3.0820u	-7.8678u
V 292.401	223.175	224.219	223.080
Zn 206.200	200.849	199.295	198.538

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-1.4657	ppb	0.1366	9.3	-158.084
Al 308.215	110438	ppb	57.4119	0.1	731687

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
As 188.980	91.1807	ppb	7.6709	8.4	45.9489
B 249.678	11.9289	ppb	0.2731	2.3	-374.671
Ba 389.178	513.299	ppb	0.4332	0.1	10503.8
Be 313.042	10.8355	ppb	0.0063	0.1	17332.9
Ca 370.602	5030	ppb	5.140	0.1	9060
Cd 226.502	-3.1705	ppb	0.0376	1.2	900.304
Co 228.615	89.3519	ppb	0.1944	0.2	957.615
Cr 267.716	192.460	ppb	0.2243	0.1	9715.62
Cu 324.754	204.350	ppb	0.1721	0.1	14696.1
Fe 271.441	281677	ppb	372.077	0.1	396692
K 766.491	12336.9	ppb	17.0914	0.1	528077
Mg 279.078	2508.72	ppb	5.4723	0.2	6029.67
Mn 257.610	2538.92	ppb	2.3582	0.1	525889
Mo 202.032	12.2801	ppb	0.6642	5.4	70.0406
Na 330.237	266.346	ppb	84.4629	31.7	-37.0282
Ni 231.604	85.4623	ppb	0.9487	1.1	253.296
Pb 220.353	129.088	ppb	2.3364	1.8	166.550
Sb 206.834	1.5717	ppb	1.6098	102.4	13.4899
Se 196.026	-0.5226	ppb	7.4426	1424.1	5.1594
Sn 189.925	17.8396	ppb	1.5904	8.9	6.3560
Sr 216.596	99.2273	ppb	0.2672	0.3	1387.97
Ti 334.941	325.890	ppb	0.0609	0.0	90408.0
Tl 190.794	-7.4224	ppb	4.1358	55.7	-45.3585
V 292.401	223.491	ppb	0.6317	0.3	5880.07
Zn 206.200	199.561	ppb	1.1781	0.6	169.996

680-106200-b-58-a (Samp) **10/15/2014, 7:57:25 PM** **Rack 3, Tube 11**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Replicates Concentration		
Ag 328.068	0.3553u	-0.4059u	-0.3949u
Al 308.215	99890.4	99834.5	99898.5
As 188.980	211.866	208.385	201.108
B 249.678	64.1433	63.9087	64.5368
Ba 389.178	1133.96	1126.70	1133.13
Be 313.042	11.9960	11.9853	11.9516
Ca 370.602	760678	763436	764219
Cd 226.502	3.6961	3.5591	3.9636
Co 228.615	62.1709	62.2380	61.6517
Cr 267.716	295.818	295.128	295.258
Cu 324.754	414.116	412.464	408.827
Fe 271.441	307671	307835	307462
K 766.491	14581.6	14596.2	14538.2
Mg 279.078	92408.4	92467.5	92655.3
Mn 257.610	10061.1	10053.2	10028.4
Mo 202.032	21.3403	21.1548	21.2019
Na 330.237	1781.14u	1727.60u	1563.70u
Ni 231.604	234.445	232.932	235.887
Pb 220.353	782.803	772.796	786.181
Sb 206.834	6.8152	4.0389	10.1363
Se 196.026	11.0477	3.7790	-3.1938
Sn 189.925	58.4174	61.4816	60.6849
Sr 216.596	1149.25	1149.51	1149.10
Ti 334.941	1431.49	1428.96	1427.66

Label	Replicates Concentration		
Tl 190.794	-12.5041u	-15.4255u	-9.5540u
V 292.401	315.635	315.199	314.309
Zn 206.200	1706.20	1715.47	1717.62

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.1485b	ppb	0.4364	293.9	-60.8981
Al 308.215	99874.5b	ppb	34.8425	0.0	661841
As 188.980	207.120b	ppb	5.4892	2.7	107.919
B 249.678	64.1963b	ppb	0.3174	0.5	360.568
Ba 389.178	1131.26b	ppb	3.9711	0.4	23164.3
Be 313.042	11.9776b	ppb	0.0232	0.2	19423.3
Ca 370.602	762778b	ppb	1860	0.2	1761025
Cd 226.502	3.7396b	ppb	0.2057	5.5	1254.01
Co 228.615	62.0202b	ppb	0.3209	0.5	695.756
Cr 267.716	295.402b	ppb	0.3666	0.1	14869.9
Cu 324.754	411.802b	ppb	2.7059	0.7	29255.9
Fe 271.441	307656b	ppb	186.947	0.1	433275
K 766.491	14572.0b	ppb	30.1609	0.2	623689
Mg 279.078	92510.4b	ppb	128.912	0.1	224554
Mn 257.610	10047.6b	ppb	17.1112	0.2	2079356
Mo 202.032	21.2323b	ppb	0.0964	0.5	124.226
Na 330.237	1690.81b	ppb	113.292	6.7	-14.9057
Ni 231.604	234.421b	ppb	1.4774	0.6	667.998
Pb 220.353	780.593b	ppb	6.9605	0.9	1095.06
Sb 206.834	6.9968b	ppb	3.0527	43.6	22.3943
Se 196.026	3.8776b	ppb	7.1213	183.7	8.4971
Sn 189.925	60.1947b	ppb	1.5898	2.6	34.2041
Sr 216.596	1149.29b	ppb	0.2093	0.0	13145.9
Ti 334.941	1429.37b	ppb	1.9456	0.1	396756
Tl 190.794	-12.4945b	ppb	2.9358	23.5	-50.0215
V 292.401	315.048b	ppb	0.6759	0.2	8274.11
Zn 206.200	1713.10b	ppb	6.0724	0.4	1534.19

680-106200-b-47-a (Samp) **10/15/2014, 8:01:43 PM** **Rack 3, Tube 12**

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

Label	Replicates Concentration		
Ag 328.068	-2.6152u	-2.1316u	-2.1352u
Al 308.215	121189	121196	121133
As 188.980	1111.12	1114.31	1095.67
B 249.678	22.1198u	22.4229u	22.5090u
Ba 389.178	1877.63	1880.30	1881.10
Be 313.042	14.2609	14.2915	14.3077
Ca 370.602	22970	22939	22962
Cd 226.502	-5.4727	-5.1475	-4.9267
Co 228.615	182.605	179.871	181.890
Cr 267.716	551.212	550.876	551.568
Cu 324.754	125.272	125.010	125.264
Fe 271.441	775460	779124	778213
K 766.491	5408.73	5424.62	5410.75
Mg 279.078	6736.61	6740.48	6735.80
Mn 257.610	23501.3	23553.7	23555.0
Mo 202.032	34.3847	33.6096	34.9030
Na 330.237	328.050u	623.507u	361.389u

Label	Replicates Concentration		
Ni 231.604	85.9382	82.1013	81.1581
Pb 220.353	405.065	416.236	405.784
Sb 206.834	2.3443	0.2939	-2.0161
Se 196.026	-4.4684	-1.1826	0.8622
Sn 189.925	29.9587	37.8335	29.9562
Sr 216.596	140.221	141.142	140.872
Ti 334.941	843.120	843.830	845.037
Tl 190.794	-19.3206u	-21.5164u	-23.4933u
V 292.401	710.744	712.066	711.159
Zn 206.200	504.112	501.491	503.951

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-2.2940	ppb	0.2782	12.1	-201.561
Al 308.215	121173	ppb	34.3959	0.0	803601
As 188.980	1107.03	ppb	9.9704	0.9	588.404
B 249.678	22.3505	ppb	0.2044	0.9	-1257.29
Ba 389.178	1879.68	ppb	1.8195	0.1	38469.5
Be 313.042	14.2867	ppb	0.0238	0.2	22956.3
Ca 370.602	22957	ppb	15.93	0.1	46283
Cd 226.502	-5.1823	ppb	0.2747	5.3	2596.48
Co 228.615	181.455	ppb	1.4180	0.8	1957.76
Cr 267.716	551.218	ppb	0.3460	0.1	27825.1
Cu 324.754	125.182	ppb	0.1487	0.1	9342.53
Fe 271.441	777599	ppb	1907.31	0.2	1095092
K 766.491	5414.70	ppb	8.6526	0.2	231956
Mg 279.078	6737.63	ppb	2.5017	0.0	15913.5
Mn 257.610	23536.7	ppb	30.6563	0.1	4869491
Mo 202.032	34.2991	ppb	0.6509	1.9	184.670
Na 330.237	437.648	ppb	161.819	37.0	-154.004
Ni 231.604	83.0659	ppb	2.5318	3.0	284.297
Pb 220.353	409.028	ppb	6.2524	1.5	539.533
Sb 206.834	0.2074	ppb	2.1815	1052.0	30.0173
Se 196.026	-1.5963	ppb	2.6893	168.5	12.5351
Sn 189.925	32.5828	ppb	4.5472	14.0	16.0486
Sr 216.596	140.745	ppb	0.4732	0.3	2377.21
Ti 334.941	843.996	ppb	0.9692	0.1	234236
Tl 190.794	-21.4434	ppb	2.0873	9.7	-108.209
V 292.401	711.323	ppb	0.6760	0.1	18690.0
Zn 206.200	503.185	ppb	1.4686	0.3	424.049

Cont Calib Verif (CCV) **10/15/2014, 8:06:00 PM** **Rack 3, Tube 13**

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

Label	Replicates Concentration		
Ag 328.068	484.530	484.803	486.562
Al 308.215	4832.51	4833.28	4834.55
As 188.980	460.179	453.701	456.300
B 249.678	478.297	481.066	483.241
Ba 389.178	4779.07	4782.14	4774.63
Be 313.042	483.389	478.635	481.233
Ca 370.602	4755	4752	4750
Cd 226.502	478.765	479.200	479.639
Co 228.615	486.774	486.497	487.383
Cr 267.716	4801.62	4799.34	4796.90

Label	Replicates Concentration		
Cu 324.754	5014.15	5028.68	5009.39
Fe 271.441	4894.89	4904.23	4931.40
K 766.491	10083.9	10108.7	10085.3
Mg 279.078	4816.78	4825.64	4830.52
Mn 257.610	4916.14	4914.16	4905.79
Mo 202.032	481.939	484.833	485.880
Na 330.237	7562.61	7620.95	7624.42
Ni 231.604	2431.93	2424.29	2438.12
Pb 220.353	484.679	483.399	482.923
Sb 206.834	913.877	917.652	915.100
Se 196.026	4789.19	4801.41	4768.01
Sn 189.925	4803.22	4815.65	4824.53
Sr 216.596	2366.08	2369.00	2374.49
Ti 334.941	480.337	480.443	479.330
Tl 190.794	4888.07	4894.49	4914.38
V 292.401	4815.03	4813.08	4810.95
Zn 206.200	2351.05	2366.24	2368.31

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Ag 328.068	485.298	ppb	1.1028	0.2	37482.2	97.05967
Al 308.215	4833.45	ppb	1.0305	0.0	32882.1	96.66898
As 188.980	456.727	ppb	3.2600	0.7	242.518	91.34538
B 249.678	480.868	ppb	2.4780	0.5	7308.69	96.17356
Ba 389.178	4778.61	ppb	3.7745	0.1	96886.1	95.57226
Be 313.042	481.086	ppb	2.3801	0.5	783049	96.21710
Ca 370.602	4752	ppb	2.438	0.1	11255	95.04794
Cd 226.502	479.201	ppb	0.4370	0.1	17964.6	95.84019
Co 228.615	486.885	ppb	0.4532	0.1	5079.29	97.37695
Cr 267.716	4799.29	ppb	2.3579	0.0	238155	95.98573
Cu 324.754	5017.41	ppb	10.0522	0.2	352106	100.34814
Fe 271.441	4910.17	ppb	18.9681	0.4	7017.91	98.20350
K 766.491	10092.7	ppb	13.9083	0.1	432071	100.92657
Mg 279.078	4824.31	ppb	6.9689	0.1	11647.4	96.48623
Mn 257.610	4912.03	ppb	5.4906	0.1	1015858	98.24062
Mo 202.032	484.217	ppb	2.0415	0.4	2997.80	96.84350
Na 330.237	7602.66	ppb	34.7272	0.5	325.247	101.36878
Ni 231.604	2431.45	ppb	6.9304	0.3	6730.04	97.25793
Pb 220.353	483.667	ppb	0.9085	0.2	693.257	96.73339
Sb 206.834	915.543	ppb	1.9262	0.2	1252.33	91.55428
Se 196.026	4786.20	ppb	16.8973	0.4	1846.47	95.72404
Sn 189.925	4814.47	ppb	10.7032	0.2	3160.07	96.28934
Sr 216.596	2369.86	ppb	4.2701	0.2	25836.8	94.79436
Ti 334.941	480.037	ppb	0.6142	0.1	133148	96.00741
Tl 190.794	4898.98	ppb	13.7158	0.3	4791.58	97.97955
V 292.401	4813.02	ppb	2.0400	0.0	124464	96.26046
Zn 206.200	2361.86	ppb	9.4251	0.4	2119.45	94.47450

Cont Calib Blank (CCB) **10/15/2014, 8:10:17 PM** **Rack 3, Tube 14**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Replicates Concentration		
Ag 328.068	0.1454	0.1299	0.1577
Al 308.215	10.3649	10.6936	12.2536
As 188.980	1.8960	4.5777	-1.5862u

Label	Replicates Concentration		
B 249.678	8.6680	7.8217	6.6988
Ba 389.178	0.6197	1.4675	0.5883
Be 313.042	0.0692	0.0673	0.0916
Ca 370.602	6.342	8.861	9.552
Cd 226.502	0.0708	0.0651	0.0484
Co 228.615	-0.2243u	-0.6429u	-0.2890u
Cr 267.716	0.7269	0.7527	0.9354
Cu 324.754	0.7953	0.5078	0.9566
Fe 271.441	22.5046	23.0414	39.1119
K 766.491	0.0900	-0.9559u	-0.1652u
Mg 279.078	1.9139	1.5345	1.8418
Mn 257.610	1.7190	1.6434	2.0710
Mo 202.032	1.2739	0.3350	0.4035
Na 330.237	-132.656u	-100.494u	-74.5755u
Ni 231.604	1.4365	0.1802	1.0868
Pb 220.353	-0.4873u	0.5682	-0.5564u
Sb 206.834	2.1963	5.4168	4.9976
Se 196.026	13.7475	2.8851	8.8614
Sn 189.925	2.3213	1.7109	0.6859
Sr 216.596	0.4841	0.8397	0.2612
Ti 334.941	0.3018	0.2115	0.2666
Tl 190.794	0.8165	3.9869	3.0370
V 292.401	0.8186	0.7362	0.9670
Zn 206.200	2.1141	-0.2251u	0.5931

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Ag 328.068	0.1443	ppb	0.0139	9.7	0.6916	0.14433
Al 308.215	11.1041	ppb	1.0090	9.1	468.013	11.10405
As 188.980	1.6292	ppb	3.0906	189.7	-1.5381	1.62915
B 249.678	7.7295	ppb	0.9879	12.8	152.348	7.72949
Ba 389.178	0.8918	ppb	0.4988	55.9	-32.6774	0.89183
Be 313.042	0.0760	ppb	0.0135	17.7	-193.292	0.07604
Ca 370.602	8.252	ppb	1.690	20.5	30.07	8.25188
Cd 226.502	0.0614	ppb	0.0117	19.0	15.6039	0.06144
Co 228.615	-0.3854	ppb	0.2253	58.5	-0.8715	-0.38541
Cr 267.716	0.8050	ppb	0.1137	14.1	71.0892	0.80502
Cu 324.754	0.7532	ppb	0.2274	30.2	302.746	0.75322
Fe 271.441	28.2193	ppb	9.4371	33.4	46.5666	28.21930Z
K 766.491	-0.3437	ppb	0.5453	158.7	310.379	-0.34372
Mg 279.078	1.7634	ppb	0.2015	11.4	23.1785	1.76341
Mn 257.610	1.8112	ppb	0.2282	12.6	415.309	1.81115
Mo 202.032	0.6708	ppb	0.5235	78.0	10.4246	0.67079
Na 330.237	-102.575	ppb	29.0959	28.4	17.1136	-102.57521
Ni 231.604	0.9012	ppb	0.6484	72.0	-2.2780	0.90118
Pb 220.353	-0.1585	ppb	0.6302	397.6	0.2080	-0.15849
Sb 206.834	4.2036	ppb	1.7509	41.7	6.6639	4.20355
Se 196.026	8.4980	ppb	5.4403	64.0	6.0125	8.49801
Sn 189.925	1.5727	ppb	0.8264	52.5	-4.3388	1.57267
Sr 216.596	0.5283	ppb	0.2918	55.2	8.1642	0.52834
Ti 334.941	0.2600	ppb	0.0455	17.5	10.2672	0.25997
Tl 190.794	2.6135	ppb	1.6271	62.3	-3.4104	2.61349
V 292.401	0.8406	ppb	0.1170	13.9	14.5676	0.84061
Zn 206.200	0.8274	ppb	1.1870	143.5	1.9498	0.82736

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680-106200-a-59-a (Samp) **10/15/2014, 8:14:35 PM** **Rack 3, Tube 15**

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

Label	Replicates Concentration		
Ag 328.068	-3.2203u	-3.4715u	-3.7044u
Al 308.215	147356	147658	147223
As 188.980	448.655	453.254	453.814
B 249.678	24.9419u	27.6246u	27.0417u
Ba 389.178	2532.44	2528.52	2527.13
Be 313.042	17.7731	17.6853	17.7067
Ca 370.602	55414	55054	55171
Cd 226.502	-4.2515	-2.6888	-3.4548
Co 228.615	241.728	244.229	246.801
Cr 267.716	535.209	533.513	533.263
Cu 324.754	139.135	139.659	141.505
Fe 271.441	726224	720951	723225
K 766.491	9062.45	9083.64	9062.61
Mg 279.078	13159.3	13153.1	13134.7
Mn 257.610	34880.4x	34746.8x	34376.8x
Mo 202.032	26.6637	25.3369	26.8584
Na 330.237	487.436u	349.949u	724.179u
Ni 231.604	111.787	111.492	110.566
Pb 220.353	585.915	579.993	588.644
Sb 206.834	2.7743	5.0116	8.4582
Se 196.026	12.8282	-13.8629	6.1679
Sn 189.925	32.9871	26.1960	31.5800
Sr 216.596	230.066	228.039	228.256
Ti 334.941	1093.72	1092.97	1089.94
Tl 190.794	-16.6890u	-19.8247u	-23.0848u
V 292.401	877.263	874.224	873.048
Zn 206.200	896.991	888.961	898.516

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-3.4654b	ppb	0.2421	7.0	-233.678
Al 308.215	147413b	ppb	223.173	0.2	977161
As 188.980	451.908b	ppb	2.8310	0.6	237.460
B 249.678	26.5360b	ppb	1.4110	5.3	-1077.76
Ba 389.178	2529.36b	ppb	2.7544	0.1	51626.7
Be 313.042	17.7217b	ppb	0.0458	0.3	28567.9
Ca 370.602	55213b	ppb	183.7	0.3	121706
Cd 226.502	-3.4650b	ppb	0.7814	22.6	2462.98
Co 228.615	244.252b	ppb	2.5369	1.0	2613.36
Cr 267.716	533.995b	ppb	1.0589	0.2	26994.7
Cu 324.754	140.100b	ppb	1.2449	0.9	10363.3
Fe 271.441	723466b	ppb	2645.02	0.4	1018867
K 766.491	9069.57b	ppb	12.1878	0.1	388305
Mg 279.078	13149.0b	ppb	12.8070	0.1	31276.9
Mn 257.610	34668.0xb	ppb	260.858	0.8	7171250
Mo 202.032	26.2863b	ppb	0.8280	3.1	137.284
Na 330.237	520.521b	ppb	189.296	36.4	-147.239
Ni 231.604	111.282b	ppb	0.6374	0.6	358.104
Pb 220.353	584.851b	ppb	4.4226	0.8	795.171
Sb 206.834	5.4147b	ppb	2.8633	52.9	35.1740
Se 196.026	1.7111b	ppb	13.8925	811.9	15.5174
Sn 189.925	30.2543b	ppb	3.5844	11.8	14.5178
Sr 216.596	228.787b	ppb	1.1129	0.5	3289.96

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ti 334.941	1092.21b	ppb	2.0018	0.2	303118
Tl 190.794	-19.8662b	ppb	3.1981	16.1	-94.5358
V 292.401	874.845b	ppb	2.1751	0.2	22913.8
Zn 206.200	894.823b	ppb	5.1332	0.6	779.533

680-106200-b-62-a (Samp) **10/15/2014, 8:18:52 PM** **Rack 3, Tube 16**

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

Label	Replicates Concentration		
Ag 328.068	-0.5732u	0.1512u	-0.6575u
Al 308.215	64828.1	64789.6	64916.1
As 188.980	134.054	130.608	127.306
B 249.678	50.9307	49.9846	50.6507
Ba 389.178	778.597	777.552	777.770
Be 313.042	4.6383	4.6324	4.6310
Ca 370.602	1439856x	1439303x	1441922x
Cd 226.502	3.4681	3.4539	3.0632
Co 228.615	47.3521	47.7950	48.5704
Cr 267.716	257.333	257.533	257.418
Cu 324.754	282.333	284.590	279.547
Fe 271.441	209787	210049	209979
K 766.491	10913.4	10903.0	10894.4
Mg 279.078	773776	774061	776616
Mn 257.610	10130.0	10103.1	10104.7
Mo 202.032	19.4089	20.4938	20.1857
Na 330.237	1702.61	1894.98	1508.45u
Ni 231.604	137.875	135.175	136.282
Pb 220.353	440.013	431.553	434.249
Sb 206.834	3.7806	0.8410	13.2506
Se 196.026	8.3338	5.4979	15.2742
Sn 189.925	34.5277	30.6101	38.1389
Sr 216.596	502.818	503.156	502.282
Ti 334.941	1223.93	1225.65	1226.57
Tl 190.794	-12.8028u	-9.4781u	-13.1041u
V 292.401	211.728	212.925	211.788
Zn 206.200	1153.35	1159.74	1155.82

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.3599b	ppb	0.4446	123.5	-54.4822
Al 308.215	64844.6b	ppb	64.8525	0.1	429863
As 188.980	130.656b	ppb	3.3747	2.6	67.1199
B 249.678	50.5220b	ppb	0.4860	1.0	360.000
Ba 389.178	777.973b	ppb	0.5512	0.1	16813.5
Be 313.042	4.6339b	ppb	0.0039	0.1	7643.29
Ca 370.602	1440360xb	ppb	1380	0.1	3328265
Cd 226.502	3.3284b	ppb	0.2298	6.9	896.015
Co 228.615	47.9059b	ppb	0.6167	1.3	538.673
Cr 267.716	257.428b	ppb	0.1002	0.0	12943.0
Cu 324.754	282.157b	ppb	2.5261	0.9	20123.8
Fe 271.441	209938b	ppb	135.859	0.1	295661
K 766.491	10903.6b	ppb	9.4872	0.1	466760
Mg 279.078	774818b	ppb	1563.54	0.2	1882236
Mn 257.610	10112.6b	ppb	15.0916	0.1	2097509
Mo 202.032	20.0295b	ppb	0.5591	2.8	121077

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Na 330.237	1702.01b	ppb	193.268	11.4	23.0246
Ni 231.604	136.444b	ppb	1.3576	1.0	389.101
Pb 220.353	435.272b	ppb	4.3219	1.0	609.104
Sb 206.834	5.9574b	ppb	6.4848	108.9	17.6608
Se 196.026	9.7020b	ppb	5.0297	51.8	10.0034
Sn 189.925	34.4256b	ppb	3.7654	10.9	17.2615
Sr 216.596	502.752b	ppb	0.4407	0.1	6203.66
Ti 334.941	1225.39b	ppb	1.3418	0.1	341285
Tl 190.794	-11.7950b	ppb	2.0121	17.1	-37.6895
V 292.401	212.147b	ppb	0.6744	0.3	5578.80
Zn 206.200	1156.31b	ppb	3.2252	0.3	1035.73

680-106200-b-15-a (Samp) **10/15/2014, 8:23:09 PM** **Rack 3, Tube 17**

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

Label	Replicates Concentration		
Ag 328.068	-2.8773u	-3.4636u	-2.9687u
Al 308.215	114601	114680	114490
As 188.980	280.536	285.466	278.431
B 249.678	29.3572u	29.1959u	30.2659u
Ba 389.178	1505.51	1504.88	1497.95
Be 313.042	9.1429	9.1267	9.0994
Ca 370.602	56812	56644	56578
Cd 226.502	2.2180	2.9108	3.0662
Co 228.615	138.942	139.650	138.862
Cr 267.716	281.187	281.053	280.756
Cu 324.754	355.735	360.880	358.921
Fe 271.441	304768	305587	304472
K 766.491	7844.60	7858.17	7833.64
Mg 279.078	12093.1	12098.6	12125.9
Mn 257.610	7392.01	7431.11	7395.80
Mo 202.032	16.3773	16.9804	16.0165
Na 330.237	791.787u	873.700u	825.659u
Ni 231.604	133.174	131.726	131.005
Pb 220.353	1094.55	1089.58	1085.46
Sb 206.834	3.8566	5.5624	3.0127
Se 196.026	9.9967	7.6039	4.9303
Sn 189.925	95.6791	97.9309	93.2405
Sr 216.596	264.503	265.365	266.124
Ti 334.941	1140.62	1140.95	1135.61
Tl 190.794	-3.0779u	-9.1056u	-5.9064u
V 292.401	417.744	416.864	416.590
Zn 206.200	1977.72	1982.54	1986.84

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-3.1032	ppb	0.3154	10.2	-270.460
Al 308.215	114590	ppb	95.2946	0.1	759224
As 188.980	281.478	ppb	3.6107	1.3	147.955
B 249.678	29.6063	ppb	0.5768	1.9	-155.206
Ba 389.178	1502.78	ppb	4.1893	0.3	30595.7
Be 313.042	9.1230	ppb	0.0220	0.2	14567.6
Ca 370.602	56678	ppb	120.8	0.2	128623
Cd 226.502	2.7316	ppb	0.4516	16.5	1202.83
Co 228.615	139.151	ppb	0.4334	0.3	1493.37

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Cr 267.716	280.998	ppb	0.2206	0.1	14140.3
Cu 324.754	358.512	ppb	2.5966	0.7	25515.3
Fe 271.441	304942	ppb	577.540	0.2	429463
K 766.491	7845.47	ppb	12.2916	0.2	335940
Mg 279.078	12105.8	ppb	17.6001	0.1	29255.1
Mn 257.610	7406.31	ppb	21.5627	0.3	1532559
Mo 202.032	16.4581	ppb	0.4870	3.0	94.7301
Na 330.237	830.382	ppb	41.1603	5.0	-61.2933
Ni 231.604	131.968	ppb	1.1048	0.8	383.758
Pb 220.353	1089.86	ppb	4.5544	0.4	1535.70
Sb 206.834	4.1439	ppb	1.2989	31.3	18.4468
Se 196.026	7.5103	ppb	2.5345	33.7	9.3568
Sn 189.925	95.6169	ppb	2.3458	2.5	57.4933
Sr 216.596	265.331	ppb	0.8110	0.3	3243.59
Ti 334.941	1139.06	ppb	2.9886	0.3	316066
Tl 190.794	-6.0299	ppb	3.0157	50.0	-44.1226
V 292.401	417.066	ppb	0.6034	0.1	10913.0
Zn 206.200	1982.37	ppb	4.5642	0.2	1777.29

680-106200-b-42-a (Samp) **10/15/2014, 8:27:26 PM** **Rack 3, Tube 18**

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

Label	Replicates Concentration		
Ag 328.068	-2.3133u	-1.7390u	-1.8565u
Al 308.215	135413	135215	135185
As 188.980	186.878	204.366	187.458
B 249.678	17.9197u	17.7209u	17.0494u
Ba 389.178	1060.23	1060.00	1061.93
Be 313.042	12.3366	12.3295	12.3202
Ca 370.602	45949	46055	45923
Cd 226.502	-2.4748	-3.1853	-2.7664
Co 228.615	204.947	203.826	203.810
Cr 267.716	405.168	405.567	405.133
Cu 324.754	227.557	227.862	226.233
Fe 271.441	508742	511016	508997
K 766.491	10804.2	10796.2	10811.1
Mg 279.078	13396.4	13374.2	13350.1
Mn 257.610	14716.4	14780.7	14744.5
Mo 202.032	20.1483	21.2569	21.0367
Na 330.237	461.071u	485.976u	505.929u
Ni 231.604	97.4155	96.9722	96.3933
Pb 220.353	479.213	474.106	474.180
Sb 206.834	-4.0991	1.8704	2.9209
Se 196.026	1.7602	-18.9200u	-11.1449
Sn 189.925	27.4264	32.8711	26.1008
Sr 216.596	129.310	130.748	129.680
Ti 334.941	555.941	555.250	555.542
Tl 190.794	-12.2857u	-13.3976u	-14.8880u
V 292.401	599.582	599.683	601.125
Zn 206.200	654.253	659.730	657.628

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-1.9696	ppb	0.3034	15.4	-175.824
Al 308.215	135271	ppb	123.943	0.1	896433

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
As 188.980	192.900	ppb	9.9335	5.1	99.5270
B 249.678	17.5633	ppb	0.4560	2.6	-767.021
Ba 389.178	1060.72	ppb	1.0553	0.1	21734.3
Be 313.042	12.3288	ppb	0.0082	0.1	19784.4
Ca 370.602	45976	ppb	69.57	0.2	101828
Cd 226.502	-2.8088	ppb	0.3572	12.7	1727.20
Co 228.615	204.195	ppb	0.6516	0.3	2172.55
Cr 267.716	405.289	ppb	0.2411	0.1	20427.6
Cu 324.754	227.217	ppb	0.8657	0.4	16389.1
Fe 271.441	509585	ppb	1246.04	0.2	717660
K 766.491	10803.8	ppb	7.4593	0.1	462494
Mg 279.078	13373.6	ppb	23.1905	0.2	32193.1
Mn 257.610	14747.2	ppb	32.2489	0.2	3051192
Mo 202.032	20.8140	ppb	0.5869	2.8	112.770
Na 330.237	484.325	ppb	22.4746	4.6	-91.9796
Ni 231.604	96.9270	ppb	0.5126	0.5	302.183
Pb 220.353	475.833	ppb	2.9273	0.6	649.202
Sb 206.834	0.2307	ppb	3.7864	1641.2	20.6660
Se 196.026	-9.4349	ppb	10.4456	110.7	5.7917
Sn 189.925	28.7994	ppb	3.5879	12.5	13.5616
Sr 216.596	129.913	ppb	0.7466	0.6	1979.75
Ti 334.941	555.577	ppb	0.3469	0.1	154187
Tl 190.794	-13.5238	ppb	1.3057	9.7	-72.3021
V 292.401	600.130	ppb	0.8632	0.1	15716.2
Zn 206.200	657.204	ppb	2.7632	0.4	573.624

680-106200-b-6-a (Samp) **10/15/2014, 8:31:44 PM** **Rack 3, Tube 19**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Replicates Concentration		
Ag 328.068	-2.1168u	-1.8702u	-2.4626u
Al 308.215	145012	145287	145017
As 188.980	306.668	323.491	309.572
B 249.678	34.7249u	35.7578u	36.6618u
Ba 389.178	1836.42	1842.27	1835.00
Be 313.042	11.4116	11.4116	11.3727
Ca 370.602	131257	130848	130400
Cd 226.502	2.5100	3.5278	3.4853
Co 228.615	145.522	144.017	143.740
Cr 267.716	322.460	322.180	322.222
Cu 324.754	400.112	400.987	399.911
Fe 271.441	432021	433436	432009
K 766.491	9347.16	9356.75	9330.31
Mg 279.078	18014.7	18034.4	18003.1
Mn 257.610	11006.6	11070.2	11024.2
Mo 202.032	23.4795	22.9731	23.0231
Na 330.237	967.688u	1008.52u	1163.64u
Ni 231.604	134.831	134.569	138.121
Pb 220.353	1185.07	1195.22	1192.94
Sb 206.834	3.9123	10.1876	11.8681
Se 196.026	9.1525	8.3440	5.3342
Sn 189.925	95.2235	90.1236	102.465
Sr 216.596	343.450	345.063	341.768
Ti 334.941	1412.45	1413.33	1409.07

Label	Replicates Concentration		
Tl 190.794	-11.7778u	-11.1055u	-15.2800u
V 292.401	595.187	595.493	595.332
Zn 206.200	2221.51	2213.88	2222.09

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-2.1499	ppb	0.2976	13.8	-201.901
Al 308.215	145105	ppb	157.229	0.1	961383
As 188.980	313.244	ppb	8.9922	2.9	164.578
B 249.678	35.7148	ppb	0.9691	2.7	-331.320
Ba 389.178	1837.90	ppb	3.8528	0.2	37464.1
Be 313.042	11.3986	ppb	0.0224	0.2	18299.9
Ca 370.602	130835	ppb	428.7	0.3	298975
Cd 226.502	3.1744	ppb	0.5758	18.1	1676.81
Co 228.615	144.426	ppb	0.9586	0.7	1561.44
Cr 267.716	322.288	ppb	0.1513	0.0	16260.6
Cu 324.754	400.337	ppb	0.5719	0.1	28499.4
Fe 271.441	432489	ppb	820.565	0.2	609083
K 766.491	9344.74	ppb	13.3860	0.1	400076
Mg 279.078	18017.4	ppb	15.8371	0.1	43540.0
Mn 257.610	11033.6	ppb	32.8388	0.3	2283069
Mo 202.032	23.1585	ppb	0.2791	1.2	130.557
Na 330.237	1046.61	ppb	103.379	9.9	-87.4331
Ni 231.604	135.840	ppb	1.9795	1.5	404.251
Pb 220.353	1191.08	ppb	5.3219	0.4	1672.48
Sb 206.834	8.6560	ppb	4.1932	48.4	28.5736
Se 196.026	7.6103	ppb	2.0121	26.4	11.0633
Sn 189.925	95.9373	ppb	6.2016	6.5	57.7039
Sr 216.596	343.427	ppb	1.6477	0.5	4258.71
Ti 334.941	1411.62	ppb	2.2499	0.2	391723
Tl 190.794	-12.7211	ppb	2.2414	17.6	-64.1362
V 292.401	595.337	ppb	0.1531	0.0	15580.3
Zn 206.200	2219.16	ppb	4.5828	0.2	1985.92

680-106200-b-57-a (Samp) **10/15/2014, 8:36:02 PM** **Rack 3, Tube 20**

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

Label	Replicates Concentration		
Ag 328.068	-1.1984u	-0.1227u	-1.0552u
Al 308.215	100362	100297	100287
As 188.980	76.0023	81.2578	80.0851
B 249.678	10.7894u	10.1753u	10.7884u
Ba 389.178	492.175	492.158	493.014
Be 313.042	9.8722	9.8835	9.9041
Ca 370.602	4559	4570	4575
Cd 226.502	-2.9180	-2.9002	-3.2772
Co 228.615	22.9287	22.4500	23.0075
Cr 267.716	143.302	143.350	143.862
Cu 324.754	264.640	267.021	267.777
Fe 271.441	310784	311427	312062
K 766.491	10278.1	10281.8	10292.8
Mg 279.078	2949.60	2945.81	2953.78
Mn 257.610	2829.71	2825.99	2840.76
Mo 202.032	10.8051	10.6260	10.3109
Na 330.237	306.810u	361.722u	165.950u

Label	Replicates Concentration		
Ni 231.604	36.2638	34.4520	33.5989
Pb 220.353	271.296	270.438	271.821
Sb 206.834	2.9207	1.1530	1.4336
Se 196.026	1.8097	-3.0729	6.7269
Sn 189.925	18.9175	23.5279	16.7623
Sr 216.596	72.6153	72.7450	72.1919
Ti 334.941	354.531	355.175	356.274
Tl 190.794	-11.1825u	-9.0383u	-6.9476u
V 292.401	278.237	279.190	280.166
Zn 206.200	362.915	354.706	360.328

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.7921	ppb	0.5841	73.7	-108.433
Al 308.215	100316	ppb	40.6750	0.0	664762
As 188.980	79.1151	ppb	2.7588	3.5	39.2343
B 249.678	10.5843	ppb	0.3543	3.3	-457.418
Ba 389.178	492.449	ppb	0.4896	0.1	10096.4
Be 313.042	9.8866	ppb	0.0161	0.2	15789.1
Ca 370.602	4568	ppb	8.648	0.2	7720
Cd 226.502	-3.0318	ppb	0.2127	7.0	1011.80
Co 228.615	22.7954	ppb	0.3017	1.3	266.653
Cr 267.716	143.505	ppb	0.3103	0.2	7300.12
Cu 324.754	266.479	ppb	1.6375	0.6	19065.0
Fe 271.441	311424	ppb	639.317	0.2	438577
K 766.491	10284.2	ppb	7.6521	0.1	440264
Mg 279.078	2949.73	ppb	3.9862	0.1	7099.12
Mn 257.610	2832.15	ppb	7.6803	0.3	586614
Mo 202.032	10.5807	ppb	0.2502	2.4	58.1996
Na 330.237	278.161	ppb	100.982	36.3	-47.5068
Ni 231.604	34.7716	ppb	1.3609	3.9	115.287
Pb 220.353	271.185	ppb	0.6983	0.3	367.530
Sb 206.834	1.8358	ppb	0.9500	51.8	14.2429
Se 196.026	1.8212	ppb	4.8999	269.0	6.3436
Sn 189.925	19.7359	ppb	3.4563	17.5	7.6028
Sr 216.596	72.5174	ppb	0.2893	0.4	1129.06
Ti 334.941	355.326	ppb	0.8815	0.2	98579.5
Tl 190.794	-9.0561	ppb	2.1175	23.4	-50.4938
V 292.401	279.198	ppb	0.9646	0.3	7337.34
Zn 206.200	359.316	ppb	4.1969	1.2	313.111

680-106200-b-43-a (Samp) **10/15/2014, 8:40:19 PM** **Rack 3, Tube 21**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Replicates Concentration		
Ag 328.068	-0.3842u	-0.3233u	-0.3087u
Al 308.215	121300	121627	121595
As 188.980	313.143	323.040	310.207
B 249.678	66.6250	68.2460	67.9407
Ba 389.178	1608.83	1613.67	1609.72
Be 313.042	11.5985	11.6107	11.6011
Ca 370.602	429391	431306	425850
Cd 226.502	2.8971	3.4942	3.7751
Co 228.615	79.5885	80.3995	80.9819
Cr 267.716	296.141	296.463	296.116

Label	Replicates Concentration		
Cu 324.754	376.622	373.380	373.035
Fe 271.441	390859	391246	390450
K 766.491	14172.1	14678.6	14574.6
Mg 279.078	149449	149688	149908
Mn 257.610	12482.8	12477.6	12497.4
Mo 202.032	25.3234	26.2760	24.6507
Na 330.237	1718.55u	1367.21u	1550.78u
Ni 231.604	145.276	145.669	142.954
Pb 220.353	1030.88	1023.18	1025.14
Sb 206.834	5.1919	4.9498	9.3922
Se 196.026	17.2472	3.0560	3.1108
Sn 189.925	66.6382	71.9852	66.4965
Sr 216.596	557.261	560.219	560.862
Ti 334.941	1753.47	1754.20	1751.42
Tl 190.794	-18.2308u	-15.8898u	-14.0603u
V 292.401	381.854	381.611	379.884
Zn 206.200	1757.09	1766.61	1785.27

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.3387	ppb	0.0400	11.8	-58.6375
Al 308.215	121508	ppb	180.342	0.1	805140
As 188.980	315.463	ppb	6.7237	2.1	165.786
B 249.678	67.6039	ppb	0.8614	1.3	237.439
Ba 389.178	1610.74	ppb	2.5746	0.2	33002.8
Be 313.042	11.6034	ppb	0.0064	0.1	18709.0
Ca 370.602	428849	ppb	2768	0.6	988442
Cd 226.502	3.3888	ppb	0.4484	13.2	1539.00
Co 228.615	80.3233	ppb	0.6998	0.9	897.645
Cr 267.716	296.240	ppb	0.1937	0.1	14959.1
Cu 324.754	374.346	ppb	1.9788	0.5	26662.5
Fe 271.441	390852	ppb	397.695	0.1	550439
K 766.491	14475.1	ppb	267.542	1.8	619543
Mg 279.078	149682	ppb	229.518	0.2	363400
Mn 257.610	12485.9	ppb	10.2668	0.1	2584236
Mo 202.032	25.4167	ppb	0.8166	3.2	146.504
Na 330.237	1545.51	ppb	175.728	11.4	-43.4163
Ni 231.604	144.633	ppb	1.4670	1.0	425.589
Pb 220.353	1026.40	ppb	4.0035	0.4	1440.56
Sb 206.834	6.5113	ppb	2.4979	38.4	24.1927
Se 196.026	7.8047	ppb	8.1775	104.8	11.1084
Sn 189.925	68.3733	ppb	3.1288	4.6	39.5812
Sr 216.596	559.448	ppb	1.9208	0.3	6676.75
Ti 334.941	1753.03	ppb	1.4399	0.1	486673
Tl 190.794	-16.0603	ppb	2.0905	13.0	-62.2658
V 292.401	381.116	ppb	1.0743	0.3	10020.8
Zn 206.200	1769.66	ppb	14.3313	0.8	1582.04

680-106200-b-41-a (Samp) **10/15/2014, 8:44:36 PM** **Rack 3, Tube 22**

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

Label	Replicates Concentration		
Ag 328.068	-2.7022u	-2.6439u	-2.3296u
Al 308.215	135450	135430	135601
As 188.980	212.120	202.893	206.618

Label	Replicates Concentration		
B 249.678	17.6432u	17.2893u	16.6279u
Ba 389.178	1355.56	1358.11	1357.63
Be 313.042	14.8820	14.9220	14.9141
Ca 370.602	59569	59611	59717
Cd 226.502	-0.7273	-0.7204	-1.1148
Co 228.615	248.190	250.280	250.797
Cr 267.716	313.752	314.190	313.637
Cu 324.754	405.459	408.572	407.043
Fe 271.441	513923	514140	513640
K 766.491	12440.9	12462.1	12445.0
Mg 279.078	28563.9	28589.1	28580.3
Mn 257.610	15253.5	15227.0	15317.9
Mo 202.032	24.5427	24.3858	24.0758
Na 330.237	160.413u	414.906u	297.700u
Ni 231.604	106.136	103.323	106.251
Pb 220.353	557.795	554.177	558.940
Sb 206.834	-1.2762	3.0675	-3.5291
Se 196.026	11.1620	3.5742	6.9128
Sn 189.925	48.4678	52.7725	52.2696
Sr 216.596	123.264	123.482	122.443
Ti 334.941	546.688	547.854	547.963
Tl 190.794	-16.1264u	-11.7350u	-9.9416u
V 292.401	521.106	521.590	521.994
Zn 206.200	846.287	844.765	846.502

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-2.5586	ppb	0.2004	7.8	-219.784
Al 308.215	135493	ppb	93.2558	0.1	897906
As 188.980	207.210	ppb	4.6418	2.2	107.180
B 249.678	17.1868	ppb	0.5153	3.0	-782.765
Ba 389.178	1357.10	ppb	1.3561	0.1	27766.7
Be 313.042	14.9060	ppb	0.0212	0.1	23979.0
Ca 370.602	59632	ppb	75.94	0.1	133359
Cd 226.502	-0.8542	ppb	0.2257	26.4	1817.64
Co 228.615	249.755	ppb	1.3804	0.6	2647.02
Cr 267.716	313.860	ppb	0.2915	0.1	15896.0
Cu 324.754	407.025	ppb	1.5563	0.4	29003.3
Fe 271.441	513901	ppb	250.686	0.0	723743
K 766.491	12449.3	ppb	11.2536	0.1	532885
Mg 279.078	28577.8	ppb	12.7797	0.0	69121.7
Mn 257.610	15266.1	ppb	46.7113	0.3	3158621
Mo 202.032	24.3347	ppb	0.2376	1.0	134.430
Na 330.237	291.007	ppb	127.379	43.8	-106.997
Ni 231.604	105.237	ppb	1.6581	1.6	325.467
Pb 220.353	556.971	ppb	2.4861	0.4	764.629
Sb 206.834	-0.5793	ppb	3.3531	578.8	18.7432
Se 196.026	7.2163	ppb	3.8030	52.7	12.3438
Sn 189.925	51.1700	ppb	2.3536	4.6	28.2698
Sr 216.596	123.063	ppb	0.5479	0.4	1914.33
Ti 334.941	547.502	ppb	0.7068	0.1	151972
Tl 190.794	-12.6010	ppb	3.1820	25.3	-71.7251
V 292.401	521.564	ppb	0.4446	0.1	13685.0
Zn 206.200	845.851	ppb	0.9471	0.1	743.866

680-106200-b-55-a (Samp) **10/15/2014, 8:48:53 PM** **Rack 3, Tube 23**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Replicates Concentration		
Ag 328.068	-0.8993u	-0.5585u	-0.6745u
Al 308.215	114335	114294	114328
As 188.980	161.008	146.488	152.766
B 249.678	31.7981u	32.6112u	31.7493u
Ba 389.178	1453.84	1453.39	1454.53
Be 313.042	10.7913	10.7760	10.7804
Ca 370.602	296885	298244	296633
Cd 226.502	3.9574	3.9943	4.0465
Co 228.615	93.9459	93.2118	93.8811
Cr 267.716	231.473	231.649	231.590
Cu 324.754	579.875	580.380	587.660
Fe 271.441	290199	290394	290873
K 766.491	14396.5	14365.0	14377.4
Mg 279.078	63969.6	63901.0	64078.8
Mn 257.610	11776.3	11799.8	11847.0
Mo 202.032	15.5194	14.8320	14.9998
Na 330.237	913.537u	633.733u	982.722u
Ni 231.604	85.7499	88.8306	83.6123
Pb 220.353	694.916	689.644	694.403
Sb 206.834	4.7925	3.8346	2.5214
Se 196.026	9.5192	-0.0023	19.4716
Sn 189.925	71.7226	75.1474	75.6464
Sr 216.596	351.409	352.505	354.666
Ti 334.941	680.328	679.507	680.128
Tl 190.794	-2.2198u	-6.7934u	-12.8995u
V 292.401	283.944	284.119	284.524
Zn 206.200	2316.32	2321.25	2333.44

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.7108	ppb	0.1732	24.4	-66.9434
Al 308.215	114319	ppb	21.7766	0.0	757394
As 188.980	153.421	ppb	7.2823	4.7	79.3257
B 249.678	32.0529	ppb	0.4842	1.5	-89.0025
Ba 389.178	1453.92	ppb	0.5757	0.0	29663.2
Be 313.042	10.7825	ppb	0.0079	0.1	17334.9
Ca 370.602	297254	ppb	866.5	0.3	684821
Cd 226.502	3.9994	ppb	0.0448	1.1	1201.20
Co 228.615	93.6796	ppb	0.4064	0.4	1010.05
Cr 267.716	231.571	ppb	0.0892	0.0	11701.7
Cu 324.754	582.638	ppb	4.3562	0.7	41230.8
Fe 271.441	290489	ppb	346.543	0.1	409102
K 766.491	14379.6	ppb	15.8693	0.1	615460
Mg 279.078	63983.2	ppb	89.6964	0.1	155210
Mn 257.610	11807.7	ppb	35.9657	0.3	2443075
Mo 202.032	15.1171	ppb	0.3584	2.4	87.1562
Na 330.237	843.331	ppb	184.784	21.9	-64.9608
Ni 231.604	86.0643	ppb	2.6233	3.0	255.635
Pb 220.353	692.987	ppb	2.9070	0.4	971.629
Sb 206.834	3.7162	ppb	1.1402	30.7	16.9764
Se 196.026	9.6628	ppb	9.7377	100.8	10.9301
Sn 189.925	74.1721	ppb	2.1360	2.9	43.3938
Sr 216.596	352.860	ppb	1.6573	0.5	4268.75

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ti 334.941	679.988	ppb	0.4281	0.1	188768
Tl 190.794	-7.3042	ppb	5.3582	73.4	-42.0007
V 292.401	284.196	ppb	0.2976	0.1	7460.36
Zn 206.200	2323.67	ppb	8.8096	0.4	2085.86

680-106200-b-12-a (Samp) **10/15/2014, 8:53:11 PM** **Rack 3, Tube 24**

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

Label	Replicates Concentration		
Ag 328.068	-2.9294u	-3.2259u	-3.0794u
Al 308.215	126504	126610	126692
As 188.980	398.856	394.941	390.534
B 249.678	30.0160u	30.6992u	30.4559u
Ba 389.178	731.911	731.349	731.475
Be 313.042	6.9487	6.9692	6.9521
Ca 370.602	46713	46894	46803
Cd 226.502	-1.8677	-1.4290	-1.1675
Co 228.615	171.317	172.046	171.992
Cr 267.716	249.218	249.527	248.655
Cu 324.754	307.552	307.171	304.757
Fe 271.441	363184	364050	363371
K 766.491	7602.83	7621.66	7639.19
Mg 279.078	10487.9	10504.2	10477.4
Mn 257.610	6336.83	6355.99	6344.06
Mo 202.032	18.8592	20.2791	18.3989
Na 330.237	728.896u	763.642u	658.516u
Ni 231.604	128.429	131.772	131.900
Pb 220.353	592.347	595.048	590.035
Sb 206.834	0.6624	3.8808	-0.4998
Se 196.026	-10.4256u	9.8053	6.3352
Sn 189.925	137.135	134.461	136.370
Sr 216.596	272.374	273.366	273.379
Ti 334.941	1217.31	1218.46	1219.43
Tl 190.794	-8.2071u	-15.0980u	-9.3241u
V 292.401	531.366	532.115	531.448
Zn 206.200	940.302	945.088	949.151

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-3.0782	ppb	0.1482	4.8	-282.607
Al 308.215	126602	ppb	94.4171	0.1	838819
As 188.980	394.777	ppb	4.1632	1.1	208.526
B 249.678	30.3904	ppb	0.3463	1.1	-267.507
Ba 389.178	731.578	ppb	0.2951	0.0	14982.4
Be 313.042	6.9567	ppb	0.0110	0.2	11042.7
Ca 370.602	46803	ppb	90.29	0.2	105227
Cd 226.502	-1.4881	ppb	0.3538	23.8	1256.22
Co 228.615	171.785	ppb	0.4057	0.2	1838.36
Cr 267.716	249.133	ppb	0.4424	0.2	12579.6
Cu 324.754	306.493	ppb	1.5158	0.5	21889.8
Fe 271.441	363535	ppb	455.604	0.1	511981
K 766.491	7621.22	ppb	18.1828	0.2	326347
Mg 279.078	10489.8	ppb	13.4724	0.1	25344.3
Mn 257.610	6345.63	ppb	9.6770	0.2	1313377
Mo 202.032	19.1791	ppb	0.9800	5.1	108.932

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Na 330.237	717.018	ppb	53.5602	7.5	-55.0346
Ni 231.604	130.700	ppb	1.9682	1.5	384.691
Pb 220.353	592.477	ppb	2.5091	0.4	822.469
Sb 206.834	1.3478	ppb	2.2693	168.4	16.1745
Se 196.026	1.9050	ppb	10.8186	567.9	7.4461
Sn 189.925	135.989	ppb	1.3774	1.0	84.0373
Sr 216.596	273.039	ppb	0.5766	0.2	3387.64
Ti 334.941	1218.40	ppb	1.0594	0.1	338087
Tl 190.794	-10.8764	ppb	3.6984	34.0	-56.1934
V 292.401	531.643	ppb	0.4107	0.1	13905.8
Zn 206.200	944.847	ppb	4.4296	0.5	839.093

Cont Calib Verif (CCV) **10/15/2014, 8:57:28 PM** **Rack 3, Tube 25**

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

Label	Replicates Concentration		
Ag 328.068	487.795	488.604	487.404
Al 308.215	4843.28	4839.70	4784.10
As 188.980	459.473	457.075	458.202
B 249.678	478.021	478.913	480.572
Ba 389.178	4774.73	4766.95	4757.04
Be 313.042	480.746	480.228	478.371
Ca 370.602	4753	4741	4713
Cd 226.502	476.513	476.229	476.024
Co 228.615	484.007	482.410	483.676
Cr 267.716	4782.87	4774.67	4762.79
Cu 324.754	5058.39	5004.19	5075.64
Fe 271.441	4853.16	4833.83	4831.95
K 766.491	10125.0	10110.5	10073.3
Mg 279.078	4820.19	4813.41	4802.24
Mn 257.610	4914.50	4897.44	4882.62
Mo 202.032	481.915	480.890	482.161
Na 330.237	7550.80	7349.42	7513.67
Ni 231.604	2421.69	2417.87	2419.79
Pb 220.353	481.081	477.822	480.205
Sb 206.834	911.131	926.540	914.642
Se 196.026	4765.72	4795.53	4756.44
Sn 189.925	4791.17	4798.96	4785.03
Sr 216.596	2355.91	2351.68	2353.66
Ti 334.941	481.014	480.332	478.129
Tl 190.794	4876.54	4867.31	4854.57
V 292.401	4806.03	4805.15	4788.46
Zn 206.200	2349.88	2332.55	2334.96

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Ag 328.068	487.934	ppb	0.6121	0.1	37686.2	97.58688
Al 308.215	4822.36	ppb	33.1825	0.7	32807.4	96.44729
As 188.980	458.250	ppb	1.1999	0.3	243.335	91.64999
B 249.678	479.168	ppb	1.2944	0.3	7283.16	95.83369
Ba 389.178	4766.24	ppb	8.8640	0.2	96635.1	95.32485
Be 313.042	479.782	ppb	1.2487	0.3	780926	95.95631
Ca 370.602	4736	ppb	20.85	0.4	11217	94.71176
Cd 226.502	476.255	ppb	0.2456	0.1	17854.1	95.25109
Co 228.615	483.364	ppb	0.8429	0.2	5042.61	96.67284

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Cr 267.716	4773.44	ppb	10.1000	0.2	236873	95.46886
Cu 324.754	5046.07	ppb	37.2805	0.7	354117	100.92145
Fe 271.441	4839.64	ppb	11.7386	0.2	6918.11	96.79289
K 766.491	10103.0	ppb	26.6568	0.3	432511	101.02958
Mg 279.078	4811.95	ppb	9.0607	0.2	11617.7	96.23892
Mn 257.610	4898.19	ppb	15.9536	0.3	1012995	97.96376
Mo 202.032	481.655	ppb	0.6740	0.1	2981.96	96.33110
Na 330.237	7471.29	ppb	107.171	1.4	319.567	99.61726
Ni 231.604	2419.78	ppb	1.9077	0.1	6697.73	96.79125
Pb 220.353	479.703	ppb	1.6866	0.4	687.595	95.94056
Sb 206.834	917.438	ppb	8.0761	0.9	1254.64	91.74379
Se 196.026	4772.57	ppb	20.4242	0.4	1841.22	95.45131
Sn 189.925	4791.72	ppb	6.9798	0.1	3145.11	95.83443
Sr 216.596	2353.75	ppb	2.1164	0.1	25661.1	94.15005
Ti 334.941	479.825	ppb	1.5079	0.3	133089	95.96501
Tl 190.794	4866.14	ppb	11.0335	0.2	4759.46	97.32278
V 292.401	4799.88	ppb	9.9016	0.2	124124	95.99760
Zn 206.200	2339.13	ppb	9.3897	0.4	2098.99	93.56518

Cont Calib Blank (CCB) **10/15/2014, 9:01:47 PM** **Rack 3, Tube 26**

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

Label	Replicates Concentration		
Ag 328.068	0.0937	0.0610	0.0695
Al 308.215	13.7002	13.7490	15.2090
As 188.980	3.5365	3.2407	2.8749
B 249.678	8.0139	7.8232	6.4007
Ba 389.178	0.4012	0.7178	0.8177
Be 313.042	0.0717	0.0790	0.1039
Ca 370.602	6.566	8.957	8.880
Cd 226.502	-0.0411u	-0.0643u	0.0036
Co 228.615	-0.2829u	0.3140	-0.0999u
Cr 267.716	0.6754	0.5420	0.9350
Cu 324.754	0.8170	0.6670	1.1209
Fe 271.441	9.8940	17.4687	21.5894
K 766.491	-0.4325u	-0.8809u	-0.1925u
Mg 279.078	-0.3398u	2.7302	4.5615
Mn 257.610	1.1050	1.0664	1.5460
Mo 202.032	0.5293	-0.0311u	0.4575
Na 330.237	-39.1998u	17.2329	-60.9456u
Ni 231.604	0.0110	0.6585	1.5019
Pb 220.353	-1.3433u	-0.5652u	1.3928
Sb 206.834	-0.3613u	3.0518	3.7167
Se 196.026	3.0851	2.9791	7.2611
Sn 189.925	-2.6733u	-0.2959u	5.4240
Sr 216.596	0.3283	0.1259	0.5131
Ti 334.941	0.2283	0.2030	0.2843
Tl 190.794	1.5723	1.6280	0.6714
V 292.401	0.7811	0.6452	0.9930
Zn 206.200	0.8164	1.6227	1.7164

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Ag 328.068	0.0747	ppb	0.0170	22.7	-4.6801	0.07474
Al 308.215	14.2194	ppb	0.8574	6.0	488.581	14.21941

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
As 188.980	3.2174	ppb	0.3315	10.3	-0.6859	3.21738
B 249.678	7.4126	ppb	0.8815	11.9	147.544	7.41263
Ba 389.178	0.6456	ppb	0.2175	33.7	-37.6750	0.64556
Be 313.042	0.0849	ppb	0.0169	19.9	-178.880	0.08487
Ca 370.602	8.134	ppb	1.359	16.7	29.87	8.13419
Cd 226.502	-0.0339	ppb	0.0345	101.8	12.0014	-0.03390
Co 228.615	-0.0229	ppb	0.3058	1332.8	2.9131	-0.02294
Cr 267.716	0.7175	ppb	0.1999	27.9	66.7378	0.71745
Cu 324.754	0.8683	ppb	0.2312	26.6	310.798	0.86829
Fe 271.441	16.3173	ppb	5.9321	36.4	29.8295	16.31735
K 766.491	-0.5020	ppb	0.3494	69.6	303.609	-0.50196
Mg 279.078	2.3173	ppb	2.4766	106.9	24.5344	2.31728
Mn 257.610	1.2391	ppb	0.2665	21.5	297.015	1.23914
Mo 202.032	0.3186	ppb	0.3049	95.7	8.2454	0.31857
Na 330.237	-27.6375	ppb	40.3514	146.0	20.6922	-27.63746
Ni 231.604	0.7238	ppb	0.7476	103.3	-2.7707	0.72377
Pb 220.353	-0.1719	ppb	1.4098	820.2	0.1896	-0.17190
Sb 206.834	2.1357	ppb	2.1879	102.4	3.9433	2.13574
Se 196.026	4.4418	ppb	2.4422	55.0	4.4506	4.44176
Sn 189.925	0.8183	ppb	4.1620	508.6	-4.8348	0.81826
Sr 216.596	0.3224	ppb	0.1936	60.1	5.9181	0.32245
Ti 334.941	0.2385	ppb	0.0416	17.4	4.3281	0.23855
Tl 190.794	1.2905	ppb	0.5369	41.6	-4.7010	1.29055
V 292.401	0.8065	ppb	0.1753	21.7	13.7448	0.80645
Zn 206.200	1.3852	ppb	0.4947	35.7	2.4537	1.38516

680-106200-b-9-a (Samp) **10/15/2014, 9:06:05 PM** **Rack 3, Tube 27**

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

Label	Replicates Concentration		
Ag 328.068	-1.5314u	-1.1049u	-1.6090u
Al 308.215	107863	108123	108027
As 188.980	161.685	168.772	165.355
B 249.678	12.3366u	14.5812u	13.6484u
Ba 389.178	198.266	198.752	198.652
Be 313.042	4.5727	4.5639	4.5553
Ca 370.602	20593	20579	20487
Cd 226.502	-4.2578	-4.3939	-3.7658
Co 228.615	51.6129	51.6529	52.1194
Cr 267.716	223.391	224.146	223.541
Cu 324.754	119.093	120.621	119.456
Fe 271.441	306275	306446	306309
K 766.491	4346.48	4348.21	4335.91
Mg 279.078	6042.64	6045.57	6057.80
Mn 257.610	1817.51	1817.02	1815.49
Mo 202.032	9.1224	9.3989	9.9916
Na 330.237	278.873u	317.903u	200.808u
Ni 231.604	64.6380	62.7287	63.8436
Pb 220.353	135.635	136.643	139.312
Sb 206.834	1.8298	4.8221	4.0401
Se 196.026	-6.4946	5.2565	14.5959
Sn 189.925	22.7079	24.5141	30.2610
Sr 216.596	95.6323	96.6211	95.4683
Ti 334.941	672.938	673.567	672.840

Label	Replicates Concentration		
Tl 190.794	-6.6100u	-3.8601u	-6.8629u
V 292.401	419.225	419.496	419.350
Zn 206.200	297.689	289.750	292.224

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-1.4151	ppb	0.2714	19.2	-160.814
Al 308.215	108005	ppb	131.346	0.1	715644
As 188.980	165.271	ppb	3.5442	2.1	85.5572
B 249.678	13.5221	ppb	1.1277	8.3	-398.354
Ba 389.178	198.557	ppb	0.2566	0.1	4136.61
Be 313.042	4.5640	ppb	0.0087	0.2	7136.92
Ca 370.602	20553	ppb	57.42	0.3	44832
Cd 226.502	-4.1392	ppb	0.3305	8.0	945.485
Co 228.615	51.7950	ppb	0.2816	0.5	574.483
Cr 267.716	223.692	ppb	0.3997	0.2	11270.9
Cu 324.754	119.724	ppb	0.7985	0.7	8767.22
Fe 271.441	306343	ppb	90.7292	0.0	431426
K 766.491	4343.53	ppb	6.6601	0.2	186133
Mg 279.078	6048.67	ppb	8.0423	0.1	14644.3
Mn 257.610	1816.67	ppb	1.0559	0.1	376625
Mo 202.032	9.5043	ppb	0.4441	4.7	51.6984
Na 330.237	265.861	ppb	59.6220	22.4	-45.3950
Ni 231.604	63.7368	ppb	0.9591	1.5	194.932
Pb 220.353	137.197	ppb	1.9002	1.4	176.510
Sb 206.834	3.5640	ppb	1.5519	43.5	17.1409
Se 196.026	4.4526	ppb	10.5682	237.3	7.1065
Sn 189.925	25.8277	ppb	3.9442	15.3	11.6080
Sr 216.596	95.9072	ppb	0.6236	0.7	1381.56
Ti 334.941	673.115	ppb	0.3947	0.1	186765
Tl 190.794	-5.7776	ppb	1.6655	28.8	-46.6299
V 292.401	419.357	ppb	0.1357	0.0	10969.0
Zn 206.200	293.221	ppb	4.0626	1.4	253.549

680-106200-b-14-a (Samp) **10/15/2014, 9:10:22 PM** **Rack 3, Tube 28**

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

Label	Replicates Concentration		
Ag 328.068	0.1990u	0.0002u	-0.5367u
Al 308.215	133839	133926	133896
As 188.980	304.367	314.981	298.958
B 249.678	31.5121u	31.6050u	31.2118u
Ba 389.178	1937.48	1934.49	1929.89
Be 313.042	11.8247	11.8433	11.8139
Ca 370.602	68020	67934	67764
Cd 226.502	3.3933	3.9596	3.7561
Co 228.615	107.376	108.035	108.567
Cr 267.716	412.701	412.430	411.669
Cu 324.754	451.757	452.390	451.206
Fe 271.441	445392	445798	442568
K 766.491	9604.39	9605.23	9642.43
Mg 279.078	14805.8	14790.0	14749.3
Mn 257.610	13310.1	13345.7	13326.2
Mo 202.032	26.9924	27.5418	29.3014
Na 330.237	1111.45u	925.719u	1349.60u

Label	Replicates Concentration		
Ni 231.604	155.979	156.335	157.686
Pb 220.353	1410.98	1409.08	1407.93
Sb 206.834	9.8261	3.6552	7.3224
Se 196.026	1.5219	-12.7017	4.1127
Sn 189.925	122.769	127.994	129.359
Sr 216.596	338.688	338.220	336.510
Ti 334.941	1550.53	1550.29	1547.99
Tl 190.794	-8.8958u	-19.2929u	-9.1509u
V 292.401	542.571	541.301	541.939
Zn 206.200	3064.90	3053.28	3051.27

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.1125	ppb	0.3805	338.3	-35.2146
Al 308.215	133887	ppb	44.2866	0.0	887161
As 188.980	306.102	ppb	8.1512	2.7	160.597
B 249.678	31.4430	ppb	0.2056	0.7	-416.983
Ba 389.178	1933.95	ppb	3.8256	0.2	39413.1
Be 313.042	11.8273	ppb	0.0149	0.1	18972.5
Ca 370.602	67906	ppb	130.4	0.2	153494
Cd 226.502	3.7030	ppb	0.2869	7.7	1732.39
Co 228.615	107.993	ppb	0.5969	0.6	1184.92
Cr 267.716	412.267	ppb	0.5349	0.1	20740.4
Cu 324.754	451.784	ppb	0.5926	0.1	32112.9
Fe 271.441	444586	ppb	1759.29	0.4	626115
K 766.491	9617.35	ppb	21.7243	0.2	411738
Mg 279.078	14781.7	ppb	29.1484	0.2	35642.1
Mn 257.610	13327.3	ppb	17.8165	0.1	2757386
Mo 202.032	27.9452	ppb	1.2062	4.3	159.806
Na 330.237	1128.92	ppb	212.479	18.8	-106.700
Ni 231.604	156.667	ppb	0.9006	0.6	462.788
Pb 220.353	1409.33	ppb	1.5417	0.1	1983.66
Sb 206.834	6.9346	ppb	3.1037	44.8	27.4446
Se 196.026	-2.3557	ppb	9.0531	384.3	7.7256
Sn 189.925	126.707	ppb	3.4780	2.7	77.9346
Sr 216.596	337.806	ppb	1.1465	0.3	4185.01
Ti 334.941	1549.60	ppb	1.4029	0.1	430006
Tl 190.794	-12.4466	ppb	5.9305	47.6	-64.2697
V 292.401	541.937	ppb	0.6346	0.1	14197.3
Zn 206.200	3056.48	ppb	7.3574	0.2	2740.72

680-106200-b-24-a (Samp) **10/15/2014, 9:14:39 PM** **Rack 3, Tube 29**

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

Label	Replicates Concentration		
Ag 328.068	-4.6593u	-5.1080u	-4.8302u
Al 308.215	135596	135238	135458
As 188.980	287.564	267.806	281.364
B 249.678	19.4753u	19.1676u	19.5388u
Ba 389.178	312.564	312.807	312.029
Be 313.042	6.1930	6.1953	6.1822
Ca 370.602	21680	21599	21531
Cd 226.502	-3.8568	-3.9353	-3.8547
Co 228.615	196.861	195.602	197.336
Cr 267.716	255.984	255.652	255.259

Label	Replicates Concentration		
Cu 324.754	311.305	313.708	313.213
Fe 271.441	348529	347957	348230
K 766.491	9345.25	9366.80	9343.28
Mg 279.078	10725.4	10673.8	10687.9
Mn 257.610	3099.99	3090.14	3090.41
Mo 202.032	13.4266	14.7191	13.4683
Na 330.237	-22.4475u	105.818u	71.2695u
Ni 231.604	157.777	156.938	156.109
Pb 220.353	258.847	260.895	260.539
Sb 206.834	0.6834	-2.2641	2.6671
Se 196.026	-0.5610	0.2215	-4.5615
Sn 189.925	29.0455	25.0353	28.3863
Sr 216.596	84.1157	84.8068	83.7485
Ti 334.941	835.897	836.941	834.203
Tl 190.794	-8.8945u	-7.1536u	-7.5631u
V 292.401	499.365	499.106	498.660
Zn 206.200	362.295	360.738	361.296

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-4.8659	ppb	0.2264	4.7	-427.762
Al 308.215	135431	ppb	180.542	0.1	897210
As 188.980	278.912	ppb	10.1046	3.6	146.532
B 249.678	19.3939	ppb	0.1986	1.0	-398.810
Ba 389.178	312.467	ppb	0.3978	0.1	6474.14
Be 313.042	6.1901	ppb	0.0070	0.1	9788.24
Ca 370.602	21603	ppb	74.26	0.3	46930
Cd 226.502	-3.8823	ppb	0.0459	1.2	1107.10
Co 228.615	196.599	ppb	0.8963	0.5	2088.59
Cr 267.716	255.632	ppb	0.3628	0.1	12879.9
Cu 324.754	312.742	ppb	1.2689	0.4	22321.5
Fe 271.441	348239	ppb	285.860	0.1	490442
K 766.491	9351.78	ppb	13.0486	0.1	400377
Mg 279.078	10695.7	ppb	26.6707	0.2	25901.4
Mn 257.610	3093.51	ppb	5.6091	0.2	640820
Mo 202.032	13.8713	ppb	0.7345	5.3	76.8291
Na 330.237	51.5466	ppb	66.3684	128.8	-67.6400
Ni 231.604	156.941	ppb	0.8337	0.5	456.062
Pb 220.353	260.093	ppb	1.0942	0.4	348.978
Sb 206.834	0.3622	ppb	2.4813	685.1	14.4784
Se 196.026	-1.6337	ppb	2.5656	157.0	5.3309
Sn 189.925	27.4891	ppb	2.1504	7.8	12.7002
Sr 216.596	84.2237	ppb	0.5373	0.6	1297.53
Ti 334.941	835.680	ppb	1.3817	0.2	231888
Tl 190.794	-7.8704	ppb	0.9102	11.6	-52.7036
V 292.401	499.043	ppb	0.3564	0.1	13049.7
Zn 206.200	361.443	ppb	0.7892	0.2	313.387

mb 680-353389/1-a (Samp) **10/15/2014, 9:18:57 PM** **Rack 3, Tube 30**

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

Label	Replicates Concentration		
Ag 328.068	-0.0603u	0.0268	-0.1112u
Al 308.215	20.6006	19.5248	18.3493
As 188.980	-0.8942u	-1.0282u	1.0750

Label	Replicates Concentration		
B 249.678	1.0927	1.7863	0.8529
Ba 389.178	-0.4465u	-0.3026u	-0.1575u
Be 313.042	0.0318	0.0258	0.0226
Ca 370.602	19.09	11.13	13.97
Cd 226.502	-0.0391u	-0.2168u	-0.0105u
Co 228.615	-0.0940u	-0.1924u	-0.4722u
Cr 267.716	0.5023	0.4495	0.6363
Cu 324.754	0.1249	0.3345	0.0756
Fe 271.441	33.4154	25.3037	26.9465
K 766.491	6.8415	6.4851	6.5473
Mg 279.078	0.1271	0.5560	-2.6442u
Mn 257.610	0.5251	0.5017	0.5035
Mo 202.032	-0.3409u	-0.3903u	0.1521
Na 330.237	-44.4251u	-36.7498u	44.9828
Ni 231.604	1.6662	1.9115	1.0915
Pb 220.353	0.4943	3.3872	0.8564
Sb 206.834	0.0798	1.9435	6.1290
Se 196.026	5.1594	10.0371	5.8452
Sn 189.925	8.3366	9.5257	10.8492
Sr 216.596	-0.1235u	0.4980	0.7013
Ti 334.941	0.3656	0.3462	0.3333
Tl 190.794	3.0940	0.8949	-1.1959u
V 292.401	0.2690	-0.1602u	0.2703
Zn 206.200	3.0530	2.5763	2.8183

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.0482	ppb	0.0698	144.8	-14.1989
Al 308.215	19.4916	ppb	1.1260	5.8	523.385
As 188.980	-0.2825	ppb	1.1775	416.8	-2.5634
B 249.678	1.2439	ppb	0.4847	39.0	54.2642
Ba 389.178	-0.3022	ppb	0.1445	47.8	-56.8979
Be 313.042	0.0267	ppb	0.0047	17.4	-273.497
Ca 370.602	14.73	ppb	4.030	27.4	45.03
Cd 226.502	-0.0888	ppb	0.1117	125.8	9.9840
Co 228.615	-0.2529	ppb	0.1963	77.6	0.5270
Cr 267.716	0.5294	ppb	0.0963	18.2	57.4153
Cu 324.754	0.1783	ppb	0.1374	77.1	262.403
Fe 271.441	28.5552	ppb	4.2885	15.0	47.0377
K 766.491	6.6246	ppb	0.1903	2.9	608.472
Mg 279.078	-0.6537	ppb	1.7371	265.7	17.3284
Mn 257.610	0.5101	ppb	0.0130	2.5	146.275
Mo 202.032	-0.1930	ppb	0.2999	155.4	5.0799
Na 330.237	-12.0640	ppb	49.5528	410.8	21.4020
Ni 231.604	1.5564	ppb	0.4209	27.0	-0.4630
Pb 220.353	1.5793	ppb	1.5761	99.8	2.6864
Sb 206.834	2.7174	ppb	3.0980	114.0	4.7186
Se 196.026	7.0139	ppb	2.6406	37.6	5.4408
Sn 189.925	9.5705	ppb	1.2569	13.1	0.9196
Sr 216.596	0.3586	ppb	0.4297	119.8	6.3087
Ti 334.941	0.3484	ppb	0.0163	4.7	34.7958
Tl 190.794	0.9310	ppb	2.1452	230.4	-5.0542
V 292.401	0.1264	ppb	0.2482	196.4	-3.7879
Zn 206.200	2.8159	ppb	0.2384	8.5	3.7445

lcs 680-353389/2-a (Samp) **10/15/2014, 9:23:14 PM** **Rack 3, Tube 31**

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

Label	Replicates Concentration		
Ag 328.068	48.7395	48.7782	48.9988
Al 308.215	4688.51	4709.68	4716.20
As 188.980	105.105	106.509	106.414
B 249.678	182.010	184.024	185.650
Ba 389.178	94.2388	94.4782	94.1565
Be 313.042	48.2867	48.5093	48.4636
Ca 370.602	4736	4741	4714
Cd 226.502	47.0584	46.9816	47.1723
Co 228.615	47.3670	47.7921	48.2071
Cr 267.716	96.1002	96.2278	96.2285
Cu 324.754	98.7431	101.114	99.0789
Fe 271.441	4736.75	4773.26	4772.25
K 766.491	4949.63	4980.83	4969.89
Mg 279.078	4661.26	4676.50	4682.21
Mn 257.610	496.650	499.040	498.396
Mo 202.032	94.8213	95.4634	94.8692
Na 330.237	4583.06	4387.98	4397.95
Ni 231.604	94.5797	95.1551	94.2914
Pb 220.353	468.580	472.609	475.497
Sb 206.834	51.6896	53.1705	48.7409
Se 196.026	97.8107	102.977	106.659
Sn 189.925	194.654	196.700	194.338
Sr 216.596	91.0173	91.8800	92.2098
Ti 334.941	97.6439	98.1174	98.0813
Tl 190.794	37.4601	38.7252	37.2059
V 292.401	95.8709	95.8331	96.5077
Zn 206.200	94.1302	94.8903	95.5910

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	48.8388	ppb	0.1399	0.3	3765.66
Al 308.215	4704.80	ppb	14.4781	0.3	31549.9
As 188.980	106.009	ppb	0.7846	0.7	54.4528
B 249.678	183.895	ppb	1.8237	1.0	2806.88
Ba 389.178	94.2912	ppb	0.1672	0.2	1870.47
Be 313.042	48.4199	ppb	0.1176	0.2	78502.2
Ca 370.602	4730	ppb	14.33	0.3	10946
Cd 226.502	47.0708	ppb	0.0959	0.2	1791.76
Co 228.615	47.7887	ppb	0.4200	0.9	500.803
Cr 267.716	96.1855	ppb	0.0739	0.1	4807.25
Cu 324.754	99.6454	ppb	1.2830	1.3	7242.97
Fe 271.441	4760.76	ppb	20.7953	0.4	6717.27
K 766.491	4966.78	ppb	15.8297	0.3	212795
Mg 279.078	4673.32	ppb	10.8330	0.2	11362.1
Mn 257.610	498.029	ppb	1.2367	0.2	103077
Mo 202.032	95.0513	ppb	0.3577	0.4	594.189
Na 330.237	4456.33	ppb	109.867	2.5	231.435
Ni 231.604	94.6754	ppb	0.4397	0.5	257.749
Pb 220.353	472.228	ppb	3.4742	0.7	673.447
Sb 206.834	51.2003	ppb	2.2550	4.4	68.2960
Se 196.026	102.482	ppb	4.4447	4.3	42.3279
Sn 189.925	195.231	ppb	1.2823	0.7	122.990
Sr 216.596	91.7024	ppb	0.6158	0.7	1007.64

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ti 334.941	97.9475	ppb	0.2636	0.3	27125.0
Tl 190.794	37.7971	ppb	0.8138	2.2	30.6191
V 292.401	96.0706	ppb	0.3790	0.4	2466.78
Zn 206.200	94.8705	ppb	0.7306	0.8	86.3694

680-106194-a-27-a (Samp) **10/15/2014, 9:27:32 PM** **Rack 3, Tube 32**

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

Label	Replicates Concentration		
Ag 328.068	-3.0994u	-2.7973u	-2.4707u
Al 308.215	134984	134805	134830
As 188.980	245.420	240.653	246.847
B 249.678	13.3573u	12.5331u	12.2544u
Ba 389.178	334.951	335.457	334.271
Be 313.042	17.4496	17.4214	17.4173
Ca 370.602	68586	68557	68670
Cd 226.502	-0.4514	-0.5604	-0.5768
Co 228.615	83.3733	81.9662	82.8053
Cr 267.716	291.509	291.049	290.882
Cu 324.754	424.527	418.022	420.208
Fe 271.441	303601	303641	303438
K 766.491	10725.7	10726.7	10741.6
Mg 279.078	24132.5	24119.6	24073.0
Mn 257.610	3117.67	3111.63	3117.82
Mo 202.032	22.5576	23.5066	22.7616
Na 330.237	202.035u	241.581u	202.099u
Ni 231.604	263.300	263.446	262.832
Pb 220.353	242.251	236.671	241.410
Sb 206.834	1.5948	6.1853	1.6203
Se 196.026	-17.8892u	2.3472	9.1046
Sn 189.925	24.3080	24.4597	22.0592
Sr 216.596	101.036	99.7426	100.559
Ti 334.941	1011.28	1011.34	1010.11
Tl 190.794	-9.3989u	-8.6516u	-5.8251u
V 292.401	421.508	421.657	420.920
Zn 206.200	1277.41	1275.68	1264.11

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-2.7891	ppb	0.3144	11.3	-260.964
Al 308.215	134873	ppb	96.9285	0.1	893438
As 188.980	244.306	ppb	3.2438	1.3	128.197
B 249.678	12.7150	ppb	0.5735	4.5	-403.762
Ba 389.178	334.893	ppb	0.5949	0.2	6923.01
Be 313.042	17.4294	ppb	0.0176	0.1	28095.1
Ca 370.602	68604	ppb	58.65	0.1	156088
Cd 226.502	-0.5295	ppb	0.0682	12.9	1069.25
Co 228.615	82.7149	ppb	0.7079	0.9	902.582
Cr 267.716	291.147	ppb	0.3245	0.1	14623.3
Cu 324.754	420.919	ppb	3.3099	0.8	29891.2
Fe 271.441	303560	ppb	107.756	0.0	427510
K 766.491	10731.3	ppb	8.8976	0.1	459391
Mg 279.078	24108.4	ppb	31.3240	0.1	58488.0
Mn 257.610	3115.71	ppb	3.5350	0.1	645378
Mo 202.032	22.9419	ppb	0.4995	2.2	134991

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Na 330.237	215.238	ppb	22.8134	10.6	-71.8453
Ni 231.604	263.193	ppb	0.3208	0.1	747.154
Pb 220.353	240.111	ppb	3.0083	1.3	323.223
Sb 206.834	3.1335	ppb	2.6430	84.3	16.9618
Se 196.026	-2.1458	ppb	14.0466	654.6	4.7872
Sn 189.925	23.6090	ppb	1.3443	5.7	10.1492
Sr 216.596	100.446	ppb	0.6541	0.7	1438.22
Ti 334.941	1010.91	ppb	0.6926	0.1	280528
Tl 190.794	-7.9586	ppb	1.8850	23.7	-47.7460
V 292.401	421.362	ppb	0.3898	0.1	11019.8
Zn 206.200	1272.40	ppb	7.2286	0.6	1136.89

680-106194-a-27-aSD (Samp) **10/15/2014, 9:31:49 PM** **Rack 3, Tube 33**

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

Label	Replicates Concentration		
Ag 328.068	-0.6495u	-0.4461u	-0.8056u
Al 308.215	30944.7	30489.5	30094.3
As 188.980	56.1687	59.3179	57.0434
B 249.678	3.5691u	3.5842u	3.6821u
Ba 389.178	79.2375	78.3753	77.5255
Be 313.042	4.0991	4.0502	3.9824
Ca 370.602	15835	15555	15337
Cd 226.502	-0.2547	-0.2172	-0.4333
Co 228.615	19.2558	19.5232	19.2374
Cr 267.716	69.0001	67.9373	67.1017
Cu 324.754	94.2568	92.5882	91.8072
Fe 271.441	71631.4	70613.8	69760.7
K 766.491	2255.76	2225.09	2188.52
Mg 279.078	5748.55	5659.62	5594.04
Mn 257.610	753.923	742.607	733.467
Mo 202.032	5.2417	5.0515	5.5423
Na 330.237	-89.9118u	-48.5323u	87.6046u
Ni 231.604	63.4280	62.7049	61.5887
Pb 220.353	52.9850	58.7914	56.5820
Sb 206.834	1.1661	-0.7063	2.0890
Se 196.026	-0.2669	0.7644	-5.0368u
Sn 189.925	6.9316	7.8364	7.0126
Sr 216.596	24.4563	23.5967	23.1272
Ti 334.941	240.143	236.569	233.532
Tl 190.794	-0.8162u	-1.0548u	-1.4325u
V 292.401	99.7745	98.2720	96.6294
Zn 206.200	302.538	299.051	295.855

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.6337	ppb	0.1802	28.4	-67.5182
Al 308.215	30509.5	ppb	425.523	1.4	202412
As 188.980	57.5100	ppb	1.6256	2.8	28.3270
B 249.678	3.6118	ppb	0.0613	1.7	-57.2858
Ba 389.178	78.3794	ppb	0.8560	1.1	1581.32
Be 313.042	4.0439	ppb	0.0586	1.4	6275.14
Ca 370.602	15575	ppb	249.6	1.6	35431
Cd 226.502	-0.3017	ppb	0.1155	38.3	252.979
Co 228.615	19.3388	ppb	0.1600	0.8	213.451

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Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Cr 267.716	68.0130	ppb	0.9515	1.4	3439.95
Cu 324.754	92.8841	ppb	1.2513	1.3	6792.33
Fe 271.441	70668.7	ppb	936.560	1.3	99529.4
K 766.491	2223.13	ppb	33.6618	1.5	95426.4
Mg 279.078	5667.40	ppb	77.5471	1.4	13764.0
Mn 257.610	743.333	ppb	10.2473	1.4	153997
Mo 202.032	5.2785	ppb	0.2475	4.7	35.8468
Na 330.237	-16.9465	ppb	92.8777	548.1	-3.1386
Ni 231.604	62.5739	ppb	0.9266	1.5	173.893
Pb 220.353	56.1195	ppb	2.9307	5.2	75.9004
Sb 206.834	0.8496	ppb	1.4243	167.6	4.9829
Se 196.026	-1.5131	ppb	3.0949	204.5	2.8315
Sn 189.925	7.2602	ppb	0.5007	6.9	-0.5995
Sr 216.596	23.7267	ppb	0.6740	2.8	340.675
Ti 334.941	236.748	ppb	3.3088	1.4	65650.2
Tl 190.794	-1.1011	ppb	0.3107	28.2	-14.9639
V 292.401	98.2253	ppb	1.5731	1.6	2563.50
Zn 206.200	299.148	ppb	3.3427	1.1	268.232

680-106194-a-27-aPDS (Samp) **10/15/2014, 9:36:07 PM** **Rack 3, Tube 34**

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

Label	Replicates Concentration		
Ag 328.068	80.1986	80.5946	80.8897
Al 308.215	135699	135596	135544
As 188.980	344.876	336.431	323.677
B 249.678	177.592	178.696	178.795
Ba 389.178	402.765	402.216	401.651
Be 313.042	100.343	100.390	100.329
Ca 370.602	75468	75564	75399
Cd 226.502	81.2466	81.2060	81.3603
Co 228.615	164.150	164.395	164.118
Cr 267.716	370.609	370.308	369.363
Cu 324.754	507.466	512.646	512.190
Fe 271.441	307707	308281	307403
K 766.491	19841.3	19948.1	19912.6
Mg 279.078	31904.9	31876.4	31850.3
Mn 257.610	3914.74	3932.23	3906.54
Mo 202.032	106.197	107.098	107.089
Na 330.237	8110.92	8109.25	8105.66
Ni 231.604	340.218	338.485	341.808
Pb 220.353	325.904	319.816	321.569
Sb 206.834	84.9526	83.8128	84.7838
Se 196.026	82.7975	89.0179	81.6493
Sn 189.925	104.830	100.827	98.5208
Sr 216.596	180.462	179.290	180.631
Ti 334.941	1085.97	1085.75	1084.67
Tl 190.794	13.0833u	8.5193u	2.7495u
V 292.401	500.407	501.577	501.487
Zn 206.200	1331.62	1335.26	1333.49

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	80.5610	ppb	0.3467	0.4	6185.95
Al 308.215	135613	ppb	78.5687	0.1	898353

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
As 188.980	334.995	ppb	10.6720	3.2	176.813
B 249.678	178.361	ppb	0.6673	0.4	2090.86
Ba 389.178	402.211	ppb	0.5568	0.1	8301.35
Be 313.042	100.354	ppb	0.0319	0.0	163089
Ca 370.602	75477	ppb	82.48	0.1	171968
Cd 226.502	81.2710	ppb	0.0800	0.1	4149.64
Co 228.615	164.221	ppb	0.1519	0.1	1751.43
Cr 267.716	370.093	ppb	0.6498	0.2	18545.4
Cu 324.754	510.767	ppb	2.8680	0.6	36197.1
Fe 271.441	307797	ppb	445.735	0.1	433486
K 766.491	19900.7	ppb	54.3838	0.3	851640
Mg 279.078	31877.2	ppb	27.2818	0.1	77346.9
Mn 257.610	3917.84	ppb	13.1219	0.3	811324
Mo 202.032	106.795	ppb	0.5178	0.5	653.593
Na 330.237	8108.61	ppb	2.6840	0.0	302.514
Ni 231.604	340.170	ppb	1.6622	0.5	960.624
Pb 220.353	322.430	ppb	3.1341	1.0	440.317
Sb 206.834	84.5164	ppb	0.6151	0.7	123.973
Se 196.026	84.4882	ppb	3.9646	4.7	38.3388
Sn 189.925	101.393	ppb	3.1925	3.1	61.2933
Sr 216.596	180.128	ppb	0.7304	0.4	2314.44
Ti 334.941	1085.46	ppb	0.6971	0.1	301228
Tl 190.794	8.1174	ppb	5.1786	63.8	-32.2198
V 292.401	501.157	ppb	0.6508	0.1	13074.2
Zn 206.200	1333.46	ppb	1.8221	0.1	1191.56

680-106194-a-27-b ms (Samp) **10/15/2014, 9:40:24 PM** **Rack 3, Tube 35**

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

Label	Replicates Concentration		
Ag 328.068	41.3022	41.1431	41.3168
Al 308.215	130396	130379	130736
As 188.980	301.379	289.833	299.498
B 249.678	123.311	123.717	123.395
Ba 389.178	483.639	485.617	485.962
Be 313.042	61.4366	61.4841	61.4807
Ca 370.602	160334	159413	159708
Cd 226.502	43.1514	43.4218	44.1111
Co 228.615	146.579	147.245	147.867
Cr 267.716	337.785	338.284	337.645
Cu 324.754	970.793	975.524	970.276
Fe 271.441	273912	274339	273932
K 766.491	14693.6	14654.1	14678.4
Mg 279.078	22900.9	22882.5	22892.8
Mn 257.610	6079.70	6055.93	6067.15
Mo 202.032	95.1240	95.5347	95.3676
Na 330.237	4764.17	4620.97	4540.64
Ni 231.604	347.702	350.651	349.874
Pb 220.353	815.003	811.834	813.712
Sb 206.834	27.0066	20.8887	15.0984
Se 196.026	74.4779	78.0260	77.7743
Sn 189.925	181.456	178.018	180.308
Sr 216.596	303.934	304.255	304.605
Ti 334.941	982.213	983.567	983.187

Label	Replicates Concentration		
Tl 190.794	23.2770u	22.1219u	26.3447u
V 292.401	462.279	460.936	461.581
Zn 206.200	1519.15	1512.46	1520.12

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	41.2540	ppb	0.0963	0.2	3157.25
Al 308.215	130504	ppb	201.215	0.2	864487
As 188.980	296.903	ppb	6.1951	2.1	156.513
B 249.678	123.474	ppb	0.2146	0.2	1329.97
Ba 389.178	485.073	ppb	1.2532	0.3	9953.75
Be 313.042	61.4671	ppb	0.0265	0.0	99807.9
Ca 370.602	159818	ppb	470.3	0.3	367271
Cd 226.502	43.5614	ppb	0.4948	1.1	2619.29
Co 228.615	147.230	ppb	0.6438	0.4	1570.65
Cr 267.716	337.904	ppb	0.3360	0.1	16943.6
Cu 324.754	972.198	ppb	2.8928	0.3	68546.5
Fe 271.441	274061	ppb	241.019	0.1	385976
K 766.491	14675.4	ppb	19.9000	0.1	628111
Mg 279.078	22892.0	ppb	9.2193	0.0	55479.6
Mn 257.610	6067.59	ppb	11.8931	0.2	1255716
Mo 202.032	95.3421	ppb	0.2066	0.2	584.181
Na 330.237	4641.93	ppb	113.227	2.4	140.203
Ni 231.604	349.409	ppb	1.5285	0.4	983.707
Pb 220.353	813.516	ppb	1.5936	0.2	1143.09
Sb 206.834	20.9979	ppb	5.9548	28.4	39.1005
Se 196.026	76.7594	ppb	1.9798	2.6	35.5237
Sn 189.925	179.927	ppb	1.7506	1.0	112.927
Sr 216.596	304.265	ppb	0.3356	0.1	3664.03
Ti 334.941	982.989	ppb	0.6984	0.1	272775
Tl 190.794	23.9145	ppb	2.1824	9.1	-11.8618
V 292.401	461.599	ppb	0.6716	0.1	12038.7
Zn 206.200	1517.25	ppb	4.1704	0.3	1358.72

680-106194-a-27-c ms (Samp) **10/15/2014, 9:44:42 PM** **Rack 3, Tube 36**

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

Label	Replicates Concentration		
Ag 328.068	43.0255	42.3651	43.2980
Al 308.215	123550	123538	123583
As 188.980	269.767	280.588	278.842
B 249.678	129.930	130.324	130.089
Ba 389.178	433.096	432.232	432.555
Be 313.042	60.6484	60.5816	60.6577
Ca 370.602	88114	88082	88365
Cd 226.502	43.6385	43.4334	43.7274
Co 228.615	142.598	142.878	142.714
Cr 267.716	364.298	363.805	364.781
Cu 324.754	789.796	785.080	791.450
Fe 271.441	274667	274272	274416
K 766.491	14125.7	14180.9	14115.8
Mg 279.078	27714.4	27666.7	27691.5
Mn 257.610	3784.85	3788.14	3775.25
Mo 202.032	95.4724	96.4033	95.6561
Na 330.237	4623.57	4560.13	4577.59

Label	Replicates Concentration		
Ni 231.604	354.081	352.943	355.840
Pb 220.353	777.703	780.168	778.122
Sb 206.834	22.9452	23.4128	23.1003
Se 196.026	86.0360	83.8984	90.2588
Sn 189.925	188.212	192.604	190.862
Sr 216.596	236.675	234.617	235.066
Ti 334.941	1038.09	1037.94	1038.99
Tl 190.794	26.7589u	26.5683u	23.2392u
V 292.401	460.831	461.071	462.009
Zn 206.200	1204.15	1207.50	1208.75

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	42.8962	ppb	0.4797	1.1	3275.66
Al 308.215	123557	ppb	22.9810	0.0	818516
As 188.980	276.399	ppb	5.8093	2.1	145.450
B 249.678	130.114	ppb	0.1979	0.2	1429.06
Ba 389.178	432.628	ppb	0.4364	0.1	8896.50
Be 313.042	60.6292	ppb	0.0415	0.1	98421.6
Ca 370.602	88187	ppb	155.1	0.2	201651
Cd 226.502	43.5997	ppb	0.1508	0.3	2623.05
Co 228.615	142.730	ppb	0.1403	0.1	1524.94
Cr 267.716	364.295	ppb	0.4878	0.1	18243.3
Cu 324.754	788.775	ppb	3.3058	0.4	55682.2
Fe 271.441	274452	ppb	199.836	0.1	386525
K 766.491	14140.8	ppb	35.0752	0.2	605243
Mg 279.078	27690.9	ppb	23.8215	0.1	67182.6
Mn 257.610	3782.75	ppb	6.6994	0.2	783264
Mo 202.032	95.8439	ppb	0.4930	0.5	587.259
Na 330.237	4587.10	ppb	32.7726	0.7	145.006
Ni 231.604	354.288	ppb	1.4595	0.4	997.277
Pb 220.353	778.664	ppb	1.3188	0.2	1093.02
Sb 206.834	23.1528	ppb	0.2382	1.0	42.2325
Se 196.026	86.7311	ppb	3.2366	3.7	38.9315
Sn 189.925	190.559	ppb	2.2113	1.2	119.918
Sr 216.596	235.453	ppb	1.0825	0.5	2888.38
Ti 334.941	1038.34	ppb	0.5704	0.1	288141
Tl 190.794	25.5221	ppb	1.9794	7.8	-11.4127
V 292.401	461.304	ppb	0.6226	0.1	12031.0
Zn 206.200	1206.80	ppb	2.3773	0.2	1078.56

Cont Calib Verif (CCV) **10/15/2014, 9:49:00 PM** **Rack 3, Tube 37**

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

Label	Replicates Concentration		
Ag 328.068	486.438	490.080	486.000
Al 308.215	4819.53	4789.33	4846.13
As 188.980	463.124	457.243	457.217
B 249.678	478.616	480.390	485.191
Ba 389.178	4761.89	4764.16	4774.39
Be 313.042	478.563	479.231	478.640
Ca 370.602	4765	4753	4751
Cd 226.502	473.431	475.131	475.896
Co 228.615	485.109	484.331	483.618
Cr 267.716	4780.30	4774.82	4783.03

Label	Replicates Concentration		
Cu 324.754	4971.26	5069.96	5036.69
Fe 271.441	4819.18	4817.37	4841.09
K 766.491	10057.2	10090.5	10107.6
Mg 279.078	4814.01	4799.24	4813.23
Mn 257.610	4888.99	4898.07	4912.44
Mo 202.032	479.110	482.618	481.834
Na 330.237	7397.22	7531.04	7500.31
Ni 231.604	2419.93	2415.47	2432.01
Pb 220.353	477.628	482.801	483.177
Sb 206.834	909.507	913.067	914.717
Se 196.026	4748.69	4744.80	4797.67
Sn 189.925	4777.64	4781.37	4796.17
Sr 216.596	2343.74	2343.41	2348.84
Ti 334.941	481.925	482.382	482.274
Tl 190.794	4865.87	4850.10	4865.17
V 292.401	4792.19	4798.82	4799.85
Zn 206.200	2339.08	2331.80	2340.62

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Ag 328.068	487.506	ppb	2.2399	0.5	37653.5	97.50119
Al 308.215	4818.33	ppb	28.4198	0.6	32779.9	96.36664
As 188.980	459.195	ppb	3.4029	0.7	243.842	91.83894
B 249.678	481.399	ppb	3.4017	0.7	7316.87	96.27986
Ba 389.178	4766.81	ppb	6.6573	0.1	96646.7	95.33628
Be 313.042	478.811	ppb	0.3656	0.1	779346	95.76223
Ca 370.602	4757	ppb	7.792	0.2	11265	95.13036
Cd 226.502	474.819	ppb	1.2619	0.3	17800.2	94.96386
Co 228.615	484.353	ppb	0.7458	0.2	5052.91	96.87060
Cr 267.716	4779.38	ppb	4.1839	0.1	237167	95.58768
Cu 324.754	5025.97	ppb	50.2173	1.0	352707	100.51938
Fe 271.441	4825.88	ppb	13.1998	0.3	6898.59	96.51762
K 766.491	10085.1	ppb	25.6469	0.3	431746	100.85073
Mg 279.078	4808.83	ppb	8.3098	0.2	11610.3	96.17658
Mn 257.610	4899.83	ppb	11.8215	0.2	1013335	97.99662
Mo 202.032	481.187	ppb	1.8417	0.4	2979.08	96.23746
Na 330.237	7476.19	ppb	70.0934	0.9	319.908	99.68255
Ni 231.604	2422.47	ppb	8.5584	0.4	6705.17	96.89876
Pb 220.353	481.202	ppb	3.1009	0.6	689.723	96.24035
Sb 206.834	912.430	ppb	2.6629	0.3	1247.90	91.24303
Se 196.026	4763.72	ppb	29.4626	0.6	1837.81	95.27437
Sn 189.925	4785.06	ppb	9.8012	0.2	3140.74	95.70128
Sr 216.596	2345.33	ppb	3.0445	0.1	25569.1	93.81317
Ti 334.941	482.193	ppb	0.2388	0.0	133746	96.43868
Tl 190.794	4860.38	ppb	8.9101	0.2	4753.81	97.20762
V 292.401	4796.95	ppb	4.1573	0.1	124049	95.93906
Zn 206.200	2337.17	ppb	4.7075	0.2	2097.26	93.48667

Cont Calib Blank (CCB) **10/15/2014, 9:53:18 PM** **Rack 3, Tube 38**

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

Label	Replicates Concentration		
Ag 328.068	0.1594	0.3525	0.1181
Al 308.215	9.4562	12.5959	13.5648
As 188.980	5.5873	0.3490	6.4399

Label	Replicates Concentration		
B 249.678	8.8223	8.1584	6.9010
Ba 389.178	-0.1220u	0.4244	1.5122
Be 313.042	0.0667	0.0742	0.0950
Ca 370.602	4.475	8.353	11.36
Cd 226.502	0.0179	0.0576	-0.0304u
Co 228.615	-0.1485u	0.5779	-0.0754u
Cr 267.716	0.5910	0.7126	1.0171
Cu 324.754	0.7335	0.8210	1.0879
Fe 271.441	11.9127	13.6821	8.4471
K 766.491	-0.2985u	-0.1654u	-0.0608u
Mg 279.078	-0.9622u	1.4497	0.1925
Mn 257.610	0.8192	0.9333	1.2314
Mo 202.032	1.1465	-0.0966u	0.1086
Na 330.237	-147.497u	-2.9056u	-39.4671u
Ni 231.604	0.3371	0.6428	1.5269
Pb 220.353	0.2582	-0.1695u	-1.6815u
Sb 206.834	4.7919	2.1176	2.4620
Se 196.026	11.8943	7.3854	4.4912
Sn 189.925	0.8473	3.1345	1.4154
Sr 216.596	0.4579	-0.1445u	0.8471
Ti 334.941	0.2447	0.2017	0.2884
Tl 190.794	0.7649	-0.5441u	3.5626
V 292.401	0.6721	0.9108	1.0171
Zn 206.200	1.7566	1.0546	-0.2571u

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Ag 328.068	0.2100	ppb	0.1251	59.6	5.7781	0.20999
Al 308.215	11.8723	ppb	2.1478	18.1	473.049	11.87231
As 188.980	4.1254	ppb	3.2981	79.9	-0.1988	4.12539
B 249.678	7.9606	ppb	0.9758	12.3	155.862	7.96057
Ba 389.178	0.6049	ppb	0.8319	137.5	-38.5032	0.60489
Be 313.042	0.0786	ppb	0.0146	18.6	-189.079	0.07861
Ca 370.602	8.063	ppb	3.452	42.8	29.74	8.06296
Cd 226.502	0.0150	ppb	0.0441	293.6	13.8164	0.01501
Co 228.615	0.1180	ppb	0.4000	338.9	4.3781	0.11801
Cr 267.716	0.7736	ppb	0.2195	28.4	69.5214	0.77358
Cu 324.754	0.8808	ppb	0.1846	21.0	311.677	0.88079
Fe 271.441	11.3473	ppb	2.6629	23.5	22.8166	11.34730
K 766.491	-0.1749	ppb	0.1192	68.1	317.601	-0.17489
Mg 279.078	0.2267	ppb	1.2063	532.2	19.4599	0.22667
Mn 257.610	0.9946	ppb	0.2129	21.4	246.432	0.99464
Mo 202.032	0.3862	ppb	0.6664	172.6	8.6640	0.38618
Na 330.237	-63.2898	ppb	75.1817	118.8	18.9888	-63.28982
Ni 231.604	0.8356	ppb	0.6179	73.9	-2.4609	0.83562
Pb 220.353	-0.5309	ppb	1.0192	192.0	-0.3221	-0.53092
Sb 206.834	3.1238	ppb	1.4548	46.6	5.2444	3.12384
Se 196.026	7.9236	ppb	3.7308	47.1	5.7911	7.92363
Sn 189.925	1.7990	ppb	1.1909	66.2	-4.1900	1.79905
Sr 216.596	0.3869	ppb	0.4996	129.2	6.6058	0.38686
Ti 334.941	0.2449	ppb	0.0434	17.7	6.0905	0.24492
Tl 190.794	1.2612	ppb	2.0978	166.3	-4.7300	1.26115
V 292.401	0.8667	ppb	0.1767	20.4	15.2895	0.86671
Zn 206.200	0.8513	ppb	1.0221	120.1	1.9722	0.85134

680-106194-a-22-a (Samp) **10/15/2014, 9:57:36 PM** **Rack 3, Tube 39**

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

Label	Replicates Concentration		
Ag 328.068	-2.7819u	-2.3386u	-2.6016u
Al 308.215	66057.6	65999.2	66061.0
As 188.980	78.7734	77.0468	76.5406
B 249.678	20.5557	20.6466	20.2659
Ba 389.178	569.224	570.573	570.926
Be 313.042	6.1876	6.2105	6.2129
Ca 370.602	458872	456766	457151
Cd 226.502	0.3369	0.5620	0.7105
Co 228.615	57.1309	57.3397	56.6868
Cr 267.716	111.824	111.570	112.124
Cu 324.754	127.427	127.520	128.012
Fe 271.441	109696	109857	109954
K 766.491	5136.71	5152.05	5144.34
Mg 279.078	37181.6	37078.3	37155.9
Mn 257.610	5007.09	5024.81	5023.11
Mo 202.032	7.9224	7.6914	7.5580
Na 330.237	332.566u	128.090u	146.711u
Ni 231.604	76.0868	74.8102	76.5135
Pb 220.353	188.127	187.970	186.714
Sb 206.834	7.1178	-1.2021	2.3150
Se 196.026	7.4051	6.2048	12.4659
Sn 189.925	13.9160	19.3918	15.0294
Sr 216.596	145.563	145.780	146.257
Ti 334.941	517.090	517.360	517.709
Tl 190.794	-3.3487u	-7.3913u	-2.8830u
V 292.401	198.178	197.823	198.210
Zn 206.200	232.156	232.213	230.247

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-2.5740	ppb	0.2229	8.7	-208.757
Al 308.215	66039.3	ppb	34.7123	0.1	437600
As 188.980	77.4536	ppb	1.1706	1.5	39.1198
B 249.678	20.4894	ppb	0.1988	1.0	115.758
Ba 389.178	570.241	ppb	0.8980	0.2	11616.6
Be 313.042	6.2037	ppb	0.0140	0.2	9930.38
Ca 370.602	457596	ppb	1122	0.2	1057047
Cd 226.502	0.5365	ppb	0.1881	35.1	424.739
Co 228.615	57.0524	ppb	0.3334	0.6	614.140
Cr 267.716	111.839	ppb	0.2774	0.2	5650.77
Cu 324.754	127.653	ppb	0.3140	0.2	9245.79
Fe 271.441	109835	ppb	130.226	0.1	154691
K 766.491	5144.36	ppb	7.6699	0.1	220392
Mg 279.078	37138.6	ppb	53.7703	0.1	90133.0
Mn 257.610	5018.34	ppb	9.7767	0.2	1038380
Mo 202.032	7.7239	ppb	0.1843	2.4	49.2093
Na 330.237	202.456	ppb	113.063	55.8	-0.8136
Ni 231.604	75.8035	ppb	0.8863	1.2	213.461
Pb 220.353	187.604	ppb	0.7744	0.4	261.253
Sb 206.834	2.7436	ppb	4.1765	152.2	9.0888
Se 196.026	8.6919	ppb	3.3230	38.2	7.8756
Sn 189.925	16.1124	ppb	2.8941	18.0	5.2207
Sr 216.596	145.866	ppb	0.3551	0.2	1867.15

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ti 334.941	517.386	ppb	0.3104	0.1	143581
Tl 190.794	-4.5410	ppb	2.4794	54.6	-20.8546
V 292.401	198.071	ppb	0.2146	0.1	5167.31
Zn 206.200	231.539	ppb	1.1188	0.5	205.626

680-106194-a-21-a (Samp) **10/15/2014, 10:01:54 PM** **Rack 3, Tube 40**

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

Label	Replicates Concentration		
Ag 328.068	-1.6578u	-1.2454u	-1.4881u
Al 308.215	75685.4	75679.4	75594.4
As 188.980	74.3610	66.9704	67.6690
B 249.678	38.5387	39.3582	38.3685
Ba 389.178	738.237	738.360	738.976
Be 313.042	7.6059	7.6059	7.6152
Ca 370.602	914181x	910853x	909353x
Cd 226.502	1.0082	0.9610	0.8781
Co 228.615	26.5303	26.7976	25.6268
Cr 267.716	136.949	137.753	137.459
Cu 324.754	53.3781	53.6611	52.8887
Fe 271.441	109041	108957	109046
K 766.491	4982.71	4974.93	4975.73
Mg 279.078	15257.7	15307.1	15288.5
Mn 257.610	3867.76	3877.27	3873.49
Mo 202.032	3.5910	2.6899	3.8658
Na 330.237	389.828u	402.893u	264.139u
Ni 231.604	52.7035	50.8817	51.3148
Pb 220.353	82.4889	81.1158	82.8324
Sb 206.834	4.6233	6.9896	-1.5190
Se 196.026	8.9931	20.5795	2.4692
Sn 189.925	7.6294	12.2457	12.3231
Sr 216.596	326.090	325.257	326.390
Ti 334.941	297.087	296.962	296.461
Tl 190.794	-10.7754u	-10.7444u	-4.9581u
V 292.401	130.857	129.650	130.701
Zn 206.200	74.1376	71.2951	73.4478

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-1.4638b	ppb	0.2073	14.2	-134.680
Al 308.215	75653.0b	ppb	50.8548	0.1	501209
As 188.980	69.6668b	ppb	4.0803	5.9	35.0279
B 249.678	38.7551b	ppb	0.5292	1.4	393.437
Ba 389.178	738.524b	ppb	0.3958	0.1	15001.4
Be 313.042	7.6090b	ppb	0.0054	0.1	12356.4
Ca 370.602	911462xb	ppb	2471	0.3	2106145
Cd 226.502	0.9491b	ppb	0.0658	6.9	437.399
Co 228.615	26.3182b	ppb	0.6135	2.3	289.901
Cr 267.716	137.387b	ppb	0.4067	0.3	6913.45
Cu 324.754	53.3093b	ppb	0.3908	0.7	4032.08
Fe 271.441	109015b	ppb	49.7976	0.0	153532
K 766.491	4977.79b	ppb	4.2837	0.1	213266
Mg 279.078	15284.4b	ppb	24.9822	0.2	37055.7
Mn 257.610	3872.84b	ppb	4.7905	0.1	801344
Mo 202.032	3.3823b	ppb	0.6151	18.2	22.4383

E10152014.wvq. All Data Report 10/16/2014, 1:56:04 PM

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Na 330.237	352.287b	ppb	76.6167	21.7	10.9492
Ni 231.604	51.6333b	ppb	0.9517	1.8	146.525
Pb 220.353	82.1457b	ppb	0.9083	1.1	110.721
Sb 206.834	3.3646b	ppb	4.3917	130.5	10.2261
Se 196.026	10.6806b	ppb	9.1723	85.9	8.4178
Sn 189.925	10.7327b	ppb	2.6879	25.0	1.6837
Sr 216.596	325.912b	ppb	0.5869	0.2	3988.85
Ti 334.941	296.837b	ppb	0.3315	0.1	82346.3
Tl 190.794	-8.8259b	ppb	3.3497	38.0	-25.6475
V 292.401	130.403b	ppb	0.6564	0.5	3409.29
Zn 206.200	72.9602b	ppb	1.4827	2.0	62.5218

680-106194-a-15-a (Samp) **10/15/2014, 10:06:12 PM** **Rack 3, Tube 41**

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

Label	Replicates Concentration		
Ag 328.068	-3.7544u	-3.3674u	-3.7433u
Al 308.215	180808	181096	181294
As 188.980	325.396	325.327	323.673
B 249.678	18.6892u	18.4527u	18.5238u
Ba 389.178	527.282	527.392	526.615
Be 313.042	19.8523	19.8623	19.8834
Ca 370.602	30146	30126	30047
Cd 226.502	-1.8821	-2.2229	-1.7040
Co 228.615	100.018	100.077	100.194
Cr 267.716	240.128	240.414	240.271
Cu 324.754	269.942	270.742	272.179
Fe 271.441	319495	320089	320058
K 766.491	12653.8	12694.4	12685.4
Mg 279.078	12028.6	12028.8	12052.0
Mn 257.610	5866.79	5878.85	5870.29
Mo 202.032	32.1394	33.5949	33.4171
Na 330.237	253.523u	200.217u	327.786u
Ni 231.604	311.883	310.983	310.819
Pb 220.353	224.181	216.450	218.717
Sb 206.834	4.2972	3.6127	2.4141
Se 196.026	-0.3441	2.5911	2.6587
Sn 189.925	18.9576	19.6171	23.3113
Sr 216.596	55.2821	55.6528	54.0875
Ti 334.941	887.260	888.329	888.430
Tl 190.794	-5.4569u	-9.3127u	-5.9292u
V 292.401	422.218	422.363	423.089
Zn 206.200	291.924	288.070	289.897

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-3.6217	ppb	0.2203	6.1	-313.207
Al 308.215	181066	ppb	244.333	0.1	1199143
As 188.980	324.798	ppb	0.9756	0.3	171.676
B 249.678	18.5553	ppb	0.1213	0.7	-353.683
Ba 389.178	527.097	ppb	0.4202	0.1	10815.0
Be 313.042	19.8660	ppb	0.0159	0.1	32052.3
Ca 370.602	30106	ppb	52.67	0.2	66931
Cd 226.502	-1.9363	ppb	0.2637	13.6	1081.56
Co 228.615	100.096	ppb	0.0895	0.1	1082.21

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Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Cr 267.716	240.271	ppb	0.1434	0.1	12119.3
Cu 324.754	270.955	ppb	1.1334	0.4	19381.1
Fe 271.441	319881	ppb	334.627	0.1	450495
K 766.491	12677.9	ppb	21.3300	0.2	542661
Mg 279.078	12036.5	ppb	13.4580	0.1	29092.2
Mn 257.610	5871.98	ppb	6.2051	0.1	1215315
Mo 202.032	33.0505	ppb	0.7940	2.4	196.766
Na 330.237	260.509	ppb	64.0705	24.6	-49.5407
Ni 231.604	311.228	ppb	0.5727	0.2	881.590
Pb 220.353	219.783	ppb	3.9743	1.8	293.062
Sb 206.834	3.4414	ppb	0.9531	27.7	17.2595
Se 196.026	1.6352	ppb	1.7145	104.8	6.9144
Sn 189.925	20.6287	ppb	2.3465	11.4	8.1898
Sr 216.596	55.0075	ppb	0.8180	1.5	947.656
Ti 334.941	888.007	ppb	0.6483	0.1	246408
Tl 190.794	-6.8996	ppb	2.1031	30.5	-47.6182
V 292.401	422.557	ppb	0.4666	0.1	11055.5
Zn 206.200	289.964	ppb	1.9280	0.7	249.989

680-106194-a-11-a (Samp) **10/15/2014, 10:10:30 PM** **Rack 3, Tube 42**

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

Label	Replicates Concentration		
Ag 328.068	-2.3132u	-2.5533u	-2.5124u
Al 308.215	72654.6	72594.4	72688.8
As 188.980	199.706	202.198	203.191
B 249.678	26.1249	26.0931	25.7370
Ba 389.178	580.002	578.585	580.289
Be 313.042	6.6617	6.6551	6.6814
Ca 370.602	378597	379660	379659
Cd 226.502	5.0972	4.7422	4.9956
Co 228.615	58.3059	58.7175	58.7513
Cr 267.716	169.555	169.618	169.823
Cu 324.754	1533.35	1519.52	1514.00
Fe 271.441	140747	140816	140947
K 766.491	5092.04	5085.11	5099.72
Mg 279.078	15904.8	15911.2	15938.3
Mn 257.610	5600.27	5582.84	5610.83
Mo 202.032	15.1563	15.4094	15.2230
Na 330.237	421.313u	373.463u	351.854u
Ni 231.604	123.404	123.357	123.735
Pb 220.353	617.413	621.242	625.806
Sb 206.834	1.8083	5.6281	0.0962
Se 196.026	3.9819	-6.2035u	-2.7433
Sn 189.925	33.6073	29.5430	35.3931
Sr 216.596	136.785	136.047	135.797
Ti 334.941	532.615	532.800	533.389
Tl 190.794	-1.4850u	-4.3978u	-6.9839u
V 292.401	184.131	184.056	184.130
Zn 206.200	874.353	861.765	867.354

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-2.4596	ppb	0.1285	5.2	-201.203
Al 308.215	72645.9	ppb	47.7772	0.1	481369

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
As 188.980	201.699	ppb	1.7955	0.9	105.665
B 249.678	25.9850	ppb	0.2154	0.8	133.618
Ba 389.178	579.625	ppb	0.9127	0.2	11795.5
Be 313.042	6.6661	ppb	0.0137	0.2	10658.2
Ca 370.602	379305	ppb	613.8	0.2	875778
Cd 226.502	4.9450	ppb	0.1828	3.7	700.528
Co 228.615	58.5916	ppb	0.2480	0.4	632.316
Cr 267.716	169.665	ppb	0.1405	0.1	8536.64
Cu 324.754	1522.29	ppb	9.9672	0.7	107074
Fe 271.441	140837	ppb	101.580	0.1	198349
K 766.491	5092.29	ppb	7.3090	0.1	218164
Mg 279.078	15918.1	ppb	17.7690	0.1	38564.5
Mn 257.610	5597.98	ppb	14.1353	0.3	1158177
Mo 202.032	15.2629	ppb	0.1312	0.9	94.5509
Na 330.237	382.210	ppb	35.5456	9.3	-15.2644
Ni 231.604	123.499	ppb	0.2056	0.2	347.957
Pb 220.353	621.487	ppb	4.2015	0.7	878.123
Sb 206.834	2.5108	ppb	2.8321	112.8	10.2055
Se 196.026	-1.6550	ppb	5.1792	312.9	4.2402
Sn 189.925	32.8478	ppb	2.9981	9.1	16.2239
Sr 216.596	136.210	ppb	0.5141	0.4	1767.58
Ti 334.941	532.935	ppb	0.4043	0.1	147864
Tl 190.794	-4.2889	ppb	2.7511	64.1	-24.1173
V 292.401	184.106	ppb	0.0428	0.0	4812.78
Zn 206.200	867.824	ppb	6.3071	0.7	778.327

680-106194-a-10-a (Samp) **10/15/2014, 10:14:49 PM** **Rack 3, Tube 43**

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

Label	Replicates Concentration		
Ag 328.068	-0.7944u	-0.8424u	-0.0913u
Al 308.215	36924.9	36862.1	36941.2
As 188.980	592.658	585.764	593.834
B 249.678	27.2830u	27.1681u	28.2854u
Ba 389.178	637.444	638.282	638.641
Be 313.042	4.8500	4.8498	4.8477
Ca 370.602	592333	591667	588193
Cd 226.502	7.2934	7.1996	7.8958
Co 228.615	56.6513	55.3140	56.0878
Cr 267.716	192.279	192.004	191.981
Cu 324.754	1722.68	1726.36	1731.57
Fe 271.441	205418	205242	205366
K 766.491	3757.84	3751.23	3753.92
Mg 279.078	16302.7	16269.2	16272.4
Mn 257.610	3360.39	3357.96	3362.96
Mo 202.032	22.8458	22.9883	23.3488
Na 330.237	407.476u	618.473u	459.061u
Ni 231.604	157.647	154.143	157.284
Pb 220.353	548.719	544.812	548.542
Sb 206.834	9.1246	11.7004	8.8161
Se 196.026	-4.7240	11.1354	11.1033
Sn 189.925	46.1572	36.4974	48.0042
Sr 216.596	209.817	208.463	209.887
Ti 334.941	687.447	687.475	686.559

Label	Replicates Concentration		
Tl 190.794	-6.6694u	-5.6277u	-8.8519u
V 292.401	276.678	277.067	275.827
Zn 206.200	1460.40	1456.12	1460.06

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.5760	ppb	0.4205	73.0	-78.9844
Al 308.215	36909.4	ppb	41.7831	0.1	245006
As 188.980	590.752	ppb	4.3595	0.7	313.741
B 249.678	27.5788	ppb	0.6146	2.2	22.3300
Ba 389.178	638.122	ppb	0.6144	0.1	13014.9
Be 313.042	4.8492	ppb	0.0013	0.0	7765.69
Ca 370.602	590731	ppb	2223	0.4	1363906
Cd 226.502	7.4629	ppb	0.3778	5.1	1025.51
Co 228.615	56.0177	ppb	0.6714	1.2	612.330
Cr 267.716	192.088	ppb	0.1655	0.1	9666.69
Cu 324.754	1726.87	ppb	4.4684	0.3	121448
Fe 271.441	205342	ppb	90.6176	0.0	289189
K 766.491	3754.33	ppb	3.3207	0.1	160929
Mg 279.078	16281.4	ppb	18.5119	0.1	39500.3
Mn 257.610	3360.43	ppb	2.4991	0.1	695661
Mo 202.032	23.0610	ppb	0.2592	1.1	139.961
Na 330.237	495.003	ppb	109.995	22.2	-40.1723
Ni 231.604	156.358	ppb	1.9265	1.2	443.903
Pb 220.353	547.358	ppb	2.2062	0.4	768.497
Sb 206.834	9.8804	ppb	1.5837	16.0	21.9658
Se 196.026	5.8382	ppb	9.1472	156.7	7.1877
Sn 189.925	43.5529	ppb	6.1797	14.2	23.2623
Sr 216.596	209.389	ppb	0.8027	0.4	2709.12
Ti 334.941	687.160	ppb	0.5212	0.1	190665
Tl 190.794	-7.0497	ppb	1.6454	23.3	-35.4830
V 292.401	276.524	ppb	0.6345	0.2	7231.52
Zn 206.200	1458.86	ppb	2.3807	0.2	1309.02

680-106194-a-24-a (Samp) **10/15/2014, 10:19:07 PM** **Rack 3, Tube 44**

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

Label	Replicates Concentration		
Ag 328.068	-0.5054u	-0.9686u	-0.9348u
Al 308.215	10810.6	10808.7	10792.4
As 188.980	31.9738	26.4915	24.9389
B 249.678	6.5889	5.8111	5.7333
Ba 389.178	424.341	422.638	420.884
Be 313.042	1.1675	1.1605	1.1626
Ca 370.602	1897501x	1900385x	1870968x
Cd 226.502	0.8551	0.8831	0.7551
Co 228.615	7.9290	7.2958	7.5816
Cr 267.716	38.6996	38.1743	38.1492
Cu 324.754	10.5255	9.8799	9.7422
Fe 271.441	25534.5	25521.2	25474.5
K 766.491	1216.77	1218.32	1217.72
Mg 279.078	23943.6	23922.2	23885.3
Mn 257.610	2370.73	2367.97	2368.56
Mo 202.032	0.7817	1.0801	2.4917
Na 330.237	401.041	519.093	205.844

Label	Replicates Concentration		
Ni 231.604	12.5330	13.1284	10.1637
Pb 220.353	33.1237	37.8783	32.0092
Sb 206.834	0.9430	4.6141	-1.6095u
Se 196.026	14.5064	-9.9459u	5.0341
Sn 189.925	6.4811	15.7919	5.7847
Sr 216.596	273.179	271.028	272.146
Ti 334.941	148.750	148.585	148.596
Tl 190.794	-2.9011u	-5.9469u	-4.2543u
V 292.401	50.7133	50.1077	50.4186
Zn 206.200	43.5678	44.7297	42.8287

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.8029b	ppb	0.2582	32.2	-79.2811
Al 308.215	10803.9b	ppb	10.0172	0.1	71934.9
As 188.980	27.8014b	ppb	3.6959	13.3	12.4594
B 249.678	6.0444b	ppb	0.4731	7.8	73.3835
Ba 389.178	422.621b	ppb	1.7287	0.4	8563.69
Be 313.042	1.1635b	ppb	0.0035	0.3	2159.01
Ca 370.602	1889618xb	ppb	16215	0.9	4368055
Cd 226.502	0.8311b	ppb	0.0673	8.1	135.708
Co 228.615	7.6022b	ppb	0.3171	4.2	86.8078
Cr 267.716	38.3410b	ppb	0.3108	0.8	1955.30
Cu 324.754	10.0492b	ppb	0.4182	4.2	964.587
Fe 271.441	25510.1b	ppb	31.4581	0.1	35932.8
K 766.491	1217.60b	ppb	0.7823	0.1	52411.9
Mg 279.078	23917.0b	ppb	29.4627	0.1	58078.3
Mn 257.610	2369.09b	ppb	1.4554	0.1	490218
Mo 202.032	1.4512b	ppb	0.9134	62.9	14.1172
Na 330.237	375.326b	ppb	158.200	42.2	32.6214
Ni 231.604	11.9417b	ppb	1.5683	13.1	30.2368
Pb 220.353	34.3371b	ppb	3.1170	9.1	48.1169
Sb 206.834	1.3158b	ppb	3.1285	237.8	4.0096
Se 196.026	3.1982b	ppb	12.3291	385.5	4.6191
Sn 189.925	9.3526b	ppb	5.5875	59.7	0.7764
Sr 216.596	272.117b	ppb	1.0758	0.4	3648.16
Ti 334.941	148.644b	ppb	0.0924	0.1	41227.5
Tl 190.794	-4.3674b	ppb	1.5261	34.9	-12.1277
V 292.401	50.4132b	ppb	0.3028	0.6	1309.17
Zn 206.200	43.7087b	ppb	0.9583	2.2	39.5661

680-106194-a-14-a (Samp) **10/15/2014, 10:23:25 PM** **Rack 3, Tube 45**

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

Label	Replicates Concentration		
Ag 328.068	-4.1377u	-4.4493u	-4.4030u
Al 308.215	202867	203292	203605
As 188.980	358.238	356.377	350.113
B 249.678	14.6104u	15.8407u	16.4794u
Ba 389.178	429.341	429.297	430.712
Be 313.042	19.0403	19.1063	19.0995
Ca 370.602	20520	20472	20427
Cd 226.502	-2.1531	-1.8564	-1.3252
Co 228.615	80.1558	79.2483	79.1332
Cr 267.716	251.503	251.577	251.103

Label	Replicates Concentration		
Cu 324.754	283.325	284.863	282.657
Fe 271.441	337585	338040	338771
K 766.491	11434.6	11450.1	11457.8
Mg 279.078	11683.6	11694.3	11721.7
Mn 257.610	2549.57	2551.13	2554.70
Mo 202.032	70.3559	71.6228	70.8752
Na 330.237	541.264u	625.984u	486.971u
Ni 231.604	265.825	265.651	267.224
Pb 220.353	293.679	297.036	296.815
Sb 206.834	1.1568	1.8948	-0.1408
Se 196.026	-3.9168	1.5381	-6.9411
Sn 189.925	26.3011	26.8991	24.8275
Sr 216.596	47.9262	47.1299	47.8230
Ti 334.941	907.003	909.045	908.172
Tl 190.794	-7.2470u	-13.6751u	-1.9096u
V 292.401	442.276	443.785	444.175
Zn 206.200	308.583	312.288	312.723

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-4.3300	ppb	0.1682	3.9	-386.066
Al 308.215	203255	ppb	370.884	0.2	1346007
As 188.980	354.910	ppb	4.2568	1.2	187.910
B 249.678	15.6435	ppb	0.9500	6.1	-437.012
Ba 389.178	429.783	ppb	0.8044	0.2	8850.49
Be 313.042	19.0821	ppb	0.0363	0.2	30771.2
Ca 370.602	20473	ppb	46.55	0.2	44420
Cd 226.502	-1.7782	ppb	0.4194	23.6	1154.34
Co 228.615	79.5124	ppb	0.5601	0.7	868.461
Cr 267.716	251.394	ppb	0.2550	0.1	12664.8
Cu 324.754	283.615	ppb	1.1311	0.4	20278.0
Fe 271.441	338132	ppb	598.779	0.2	476196
K 766.491	11447.5	ppb	11.8064	0.1	490029
Mg 279.078	11699.9	ppb	19.6336	0.2	28327.7
Mn 257.610	2551.80	ppb	2.6285	0.1	528780
Mo 202.032	70.9513	ppb	0.6369	0.9	430.490
Na 330.237	551.406	ppb	70.0593	12.7	-40.6213
Ni 231.604	266.233	ppb	0.8623	0.3	758.428
Pb 220.353	295.843	ppb	1.8776	0.6	399.456
Sb 206.834	0.9703	ppb	1.0305	106.2	14.0684
Se 196.026	-3.1066	ppb	4.2973	138.3	4.5960
Sn 189.925	26.0092	ppb	1.0662	4.1	11.7274
Sr 216.596	47.6264	ppb	0.4331	0.9	884.496
Ti 334.941	908.073	ppb	1.0246	0.1	251979
Tl 190.794	-7.6105	ppb	5.8912	77.4	-52.2062
V 292.401	443.412	ppb	1.0030	0.2	11596.4
Zn 206.200	311.198	ppb	2.2751	0.7	268.400

680-106194-a-17-a (Samp) **10/15/2014, 10:27:43 PM** **Rack 3, Tube 46**

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

Label	Replicates Concentration		
Ag 328.068	-3.8683u	-4.3305u	-4.2284u
Al 308.215	134694	134650	134460
As 188.980	387.989	377.462	384.492

Label	Replicates Concentration		
B 249.678	2.4997u	2.7609u	3.0501u
Ba 389.178	2414.07	2416.63	2415.03
Be 313.042	32.3417	32.3961	32.3882
Ca 370.602	43648	43664	43588
Cd 226.502	2.9076	3.0036	2.4929
Co 228.615	260.657	257.578	255.656
Cr 267.716	159.623	160.489	159.642
Cu 324.754	329.985	331.727	331.965
Fe 271.441	384102	384866	383869
K 766.491	9756.95	9778.16	9776.22
Mg 279.078	7233.32	7258.61	7223.86
Mn 257.610	67610.7x	67768.3x	67846.2x
Mo 202.032	35.4940	35.8735	35.9862
Na 330.237	-8.3616u	141.912u	170.506u
Ni 231.604	468.165	469.898	465.041
Pb 220.353	223.155	225.125	216.597
Sb 206.834	3.8002	2.5891	0.6965
Se 196.026	2.7018	3.8505	0.7524
Sn 189.925	19.0796	19.0447	27.7998
Sr 216.596	83.2425	83.3467	83.4209
Ti 334.941	896.838	898.128	897.621
Tl 190.794	16.4192	16.6942	23.3909
V 292.401	529.631	530.172	529.270
Zn 206.200	260.688	263.073	260.796

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-4.1424b	ppb	0.2428	5.9	-73.8946
Al 308.215	134601b	ppb	124.311	0.1	891785
As 188.980	383.315b	ppb	5.3615	1.4	202.339
B 249.678	2.7702b	ppb	0.2754	9.9	-726.000
Ba 389.178	2415.24b	ppb	1.2910	0.1	49134.6
Be 313.042	32.3753b	ppb	0.0294	0.1	52404.5
Ca 370.602	43633b	ppb	39.84	0.1	98849
Cd 226.502	2.8014b	ppb	0.2714	9.7	1486.28
Co 228.615	257.964b	ppb	2.5228	1.0	2730.47
Cr 267.716	159.918b	ppb	0.4943	0.3	8433.28
Cu 324.754	331.226b	ppb	1.0809	0.3	23633.2
Fe 271.441	384279b	ppb	521.781	0.1	541202
K 766.491	9770.44b	ppb	11.7277	0.1	418287
Mg 279.078	7238.60b	ppb	17.9640	0.2	16314.8
Mn 257.610	67741.7xb	ppb	119.984	0.2	14009608
Mo 202.032	35.7846b	ppb	0.2579	0.7	210.864
Na 330.237	101.352b	ppb	96.0846	94.8	-71.4699
Ni 231.604	467.701b	ppb	2.4614	0.5	1319.54
Pb 220.353	221.626b	ppb	4.4647	2.0	303.741
Sb 206.834	2.3619b	ppb	1.5643	66.2	16.9173
Se 196.026	2.4349b	ppb	1.5662	64.3	19.5555
Sn 189.925	21.9747b	ppb	5.0447	23.0	9.0746
Sr 216.596	83.3367b	ppb	0.0896	0.1	1325.30
Ti 334.941	897.529b	ppb	0.6501	0.1	249047
Tl 190.794	18.8348b	ppb	3.9481	21.0	-1.4902
V 292.401	529.691b	ppb	0.4540	0.1	13858.2
Zn 206.200	261.519b	ppb	1.3469	0.5	222.092

680-106194-a-28-a (Samp) **10/15/2014, 10:32:01 PM** **Rack 3, Tube 47**

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

Label	Replicates Concentration		
Ag 328.068	-1.8794u	-2.5850u	-1.8712u
Al 308.215	140438	140641	140610
As 188.980	221.795	226.245	236.760
B 249.678	17.1327u	17.3308u	16.6222u
Ba 389.178	427.112	427.437	427.203
Be 313.042	16.4868	16.4741	16.4527
Ca 370.602	129234	128852	128351
Cd 226.502	1.8036	1.4268	2.2819
Co 228.615	98.0734	97.1474	98.6806
Cr 267.716	305.805	305.326	305.627
Cu 324.754	653.914	654.943	648.760
Fe 271.441	307686	307525	308261
K 766.491	12322.5	12355.3	12317.6
Mg 279.078	53545.4	53512.8	53550.5
Mn 257.610	4250.47	4236.05	4231.58
Mo 202.032	22.2254	20.6780	21.0956
Na 330.237	204.421u	197.959u	372.490u
Ni 231.604	277.936	275.157	274.938
Pb 220.353	301.487	301.823	299.660
Sb 206.834	1.4445	-5.6024	0.6183
Se 196.026	-7.8881	2.1066	-1.1806
Sn 189.925	30.4524	30.0316	28.8617
Sr 216.596	144.163	142.605	144.441
Ti 334.941	1102.46	1102.80	1100.35
Tl 190.794	-5.9278u	-13.3813u	-6.9170u
V 292.401	445.242	444.589	445.320
Zn 206.200	1648.70	1646.10	1657.05

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-2.1119	ppb	0.4098	19.4	-205.987
Al 308.215	140563	ppb	109.409	0.1	931101
As 188.980	228.267	ppb	7.6850	3.4	119.614
B 249.678	17.0286	ppb	0.3656	2.1	-350.759
Ba 389.178	427.251	ppb	0.1677	0.0	8836.40
Be 313.042	16.4712	ppb	0.0172	0.1	26554.7
Ca 370.602	128813	ppb	442.9	0.3	295272
Cd 226.502	1.8374	ppb	0.4285	23.3	1178.91
Co 228.615	97.9671	ppb	0.7721	0.8	1063.76
Cr 267.716	305.586	ppb	0.2421	0.1	15347.4
Cu 324.754	652.539	ppb	3.3132	0.5	46138.2
Fe 271.441	307824	ppb	387.213	0.1	433516
K 766.491	12331.8	ppb	20.5006	0.2	527856
Mg 279.078	53536.2	ppb	20.4574	0.0	129960
Mn 257.610	4239.37	ppb	9.8712	0.2	877973
Mo 202.032	21.3330	ppb	0.8006	3.8	124.762
Na 330.237	258.290	ppb	98.9530	38.3	-80.8244
Ni 231.604	276.010	ppb	1.6716	0.6	783.070
Pb 220.353	300.990	ppb	1.1639	0.4	409.784
Sb 206.834	-1.1799	ppb	3.8523	326.5	11.6673
Se 196.026	-2.3207	ppb	5.0940	219.5	4.9839
Sn 189.925	29.7819	ppb	0.8242	2.8	14.2078
Sr 216.596	143.736	ppb	0.9894	0.7	1938.36

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ti 334.941	1101.87	ppb	1.3247	0.1	305818
Tl 190.794	-8.7420	ppb	4.0481	46.3	-48.6005
V 292.401	445.050	ppb	0.4013	0.1	11637.1
Zn 206.200	1650.62	ppb	5.7211	0.3	1477.84

680-106194-a-16-a (Samp) **10/15/2014, 10:36:19 PM** **Rack 3, Tube 48**

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

Label	Replicates Concentration		
Ag 328.068	-1.4887u	-1.9206u	-1.2808u
Al 308.215	95297.9	95220.9	95275.1
As 188.980	194.449	187.623	204.975
B 249.678	12.6450u	13.6820u	13.3588u
Ba 389.178	166.256	167.588	166.318
Be 313.042	9.0558	9.0582	9.0678
Ca 370.602	598346	597894	599161
Cd 226.502	0.1978	0.1813	0.2903
Co 228.615	52.2701	52.1634	52.4017
Cr 267.716	129.830	130.298	130.141
Cu 324.754	146.059	146.169	144.660
Fe 271.441	163860	163763	163989
K 766.491	10198.8	10200.3	10226.5
Mg 279.078	356016	355319	356478
Mn 257.610	2712.86	2711.14	2711.56
Mo 202.032	17.7683	16.2434	17.0149
Na 330.237	285.639u	391.777u	382.099u
Ni 231.604	165.444	163.445	162.532
Pb 220.353	127.365	132.735	131.438
Sb 206.834	4.4526	2.4363	3.6186
Se 196.026	3.9655	5.8422	-6.2034u
Sn 189.925	9.2437	8.4362	9.0199
Sr 216.596	131.835	131.972	132.052
Ti 334.941	482.750	482.399	483.014
Tl 190.794	-6.6573u	-8.8631u	-13.9840u
V 292.401	226.983	226.736	227.435
Zn 206.200	142.959	143.995	146.560

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-1.5634	ppb	0.3264	20.9	-154.639
Al 308.215	95264.6	ppb	39.5332	0.0	631087
As 188.980	195.682	ppb	8.7418	4.5	102.507
B 249.678	13.2286	ppb	0.5306	4.0	-107.515
Ba 389.178	166.720	ppb	0.7520	0.5	3863.68
Be 313.042	9.0606	ppb	0.0064	0.1	14615.6
Ca 370.602	598467	ppb	642.0	0.1	1382109
Cd 226.502	0.2231	ppb	0.0588	26.3	610.327
Co 228.615	52.2784	ppb	0.1193	0.2	566.954
Cr 267.716	130.090	ppb	0.2378	0.2	6569.88
Cu 324.754	145.630	ppb	0.8414	0.6	10528.9
Fe 271.441	163871	ppb	113.507	0.1	230786
K 766.491	10208.5	ppb	15.5472	0.2	437028
Mg 279.078	355938	ppb	583.234	0.2	864690
Mn 257.610	2711.85	ppb	0.8990	0.0	563898
Mo 202.032	17.0089	ppb	0.7625	4.5	104.331

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Na 330.237	353.172	ppb	58.6848	16.6	-4.0841
Ni 231.604	163.807	ppb	1.4895	0.9	461.396
Pb 220.353	130.513	ppb	2.8021	2.1	175.807
Sb 206.834	3.5025	ppb	1.0131	28.9	11.7528
Se 196.026	1.2014	ppb	6.4810	539.4	4.9637
Sn 189.925	8.8999	ppb	0.4169	4.7	0.4786
Sr 216.596	131.953	ppb	0.1098	0.1	1818.90
Ti 334.941	482.721	ppb	0.3081	0.1	134504
Tl 190.794	-9.8348	ppb	3.7588	38.2	-33.5675
V 292.401	227.051	ppb	0.3540	0.2	5938.51
Zn 206.200	144.504	ppb	1.8537	1.3	124.993

Cont Calib Verif (CCV) **10/15/2014, 10:40:37 PM** **Rack 3, Tube 49**

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

Label	Replicates Concentration		
Ag 328.068	487.112	488.977	485.890
Al 308.215	4833.16	4835.25	4841.55
As 188.980	456.645	457.774	455.613
B 249.678	481.471	480.101	480.677
Ba 389.178	4758.66	4762.08	4753.06
Be 313.042	478.796	478.221	475.874
Ca 370.602	4843	4832	4812
Cd 226.502	472.584	472.646	473.504
Co 228.615	481.964	482.082	482.483
Cr 267.716	4764.74	4763.89	4754.13
Cu 324.754	5012.50	5043.63	5007.40
Fe 271.441	4797.71	4816.47	4799.11
K 766.491	10043.5	10043.4	10050.5
Mg 279.078	4844.08	4857.02	4872.50
Mn 257.610	4889.07	4896.82	4881.52
Mo 202.032	477.862	478.436	478.093
Na 330.237	7534.31	7471.27	7532.57
Ni 231.604	2409.58	2409.66	2412.04
Pb 220.353	480.220	481.249	480.697
Sb 206.834	911.839	918.602	916.886
Se 196.026	4716.61	4747.07	4769.54
Sn 189.925	4811.94	4783.74	4774.36
Sr 216.596	2333.46	2337.04	2340.69
Ti 334.941	481.672	481.950	480.660
Tl 190.794	4852.33	4860.10	4836.02
V 292.401	4790.39	4787.39	4786.64
Zn 206.200	2331.53	2326.52	2336.72

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Ag 328.068	487.326	ppb	1.5546	0.3	37639.8	97.46529
Al 308.215	4836.65	ppb	4.3684	0.1	32900.1	96.73309
As 188.980	456.678	ppb	1.0810	0.2	242.493	91.33550
B 249.678	480.750	ppb	0.6876	0.1	7307.12	96.14992
Ba 389.178	4757.94	ppb	4.5540	0.1	96466.6	95.15873
Be 313.042	477.630	ppb	1.5479	0.3	777424	95.52608
Ca 370.602	4829	ppb	15.60	0.3	11432	96.57501
Cd 226.502	472.911	ppb	0.5143	0.1	17728.8	94.58228
Co 228.615	482.177	ppb	0.2722	0.1	5030.26	96.43530

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Cr 267.716	4760.92	ppb	5.8947	0.1	236251	95.21841
Cu 324.754	5021.17	ppb	19.6112	0.4	352371	100.42345
Fe 271.441	4804.43	ppb	10.4491	0.2	6868.09	96.08856
K 766.491	10045.8	ppb	4.0333	0.0	430066	100.45801
Mg 279.078	4857.87	ppb	14.2299	0.3	11729.6	97.15738
Mn 257.610	4889.14	ppb	7.6492	0.2	1011123	97.78271
Mo 202.032	478.131	ppb	0.2889	0.1	2960.17	95.62611
Na 330.237	7512.72	ppb	35.9077	0.5	321.810	100.16955
Ni 231.604	2410.42	ppb	1.3983	0.1	6671.81	96.41696
Pb 220.353	480.722	ppb	0.5145	0.1	689.030	96.14439
Sb 206.834	915.776	ppb	3.5157	0.4	1252.18	91.57758
Se 196.026	4744.41	ppb	26.5634	0.6	1830.38	94.88812
Sn 189.925	4790.01	ppb	19.5582	0.4	3143.99	95.80020
Sr 216.596	2337.07	ppb	3.6149	0.2	25479.1	93.48264
Ti 334.941	481.427	ppb	0.6789	0.1	133534	96.28545
Tl 190.794	4849.48	ppb	12.2917	0.3	4743.15	96.98963
V 292.401	4788.14	ppb	1.9823	0.0	123822	95.76279
Zn 206.200	2331.59	ppb	5.1039	0.2	2092.27	93.26363

Cont Calib Blank (CCB) **10/15/2014, 10:44:55 PM** **Rack 3, Tube 50**

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

Label	Replicates Concentration		
Ag 328.068	-0.0514u	0.0443	-0.0585u
Al 308.215	13.9664	13.3023	15.8087
As 188.980	-0.0216u	5.6708	5.6620
B 249.678	8.5208	7.2400	6.3588
Ba 389.178	0.1900	0.1992	0.6990
Be 313.042	0.0715	0.0699	0.0881
Ca 370.602	17.93	23.35	29.24
Cd 226.502	0.1529	0.0435	0.0786
Co 228.615	-0.0322u	0.3484	0.2286
Cr 267.716	0.5035	0.3642	0.8175
Cu 324.754	0.6160	0.7793	0.8115
Fe 271.441	10.8424	14.3407	18.2739
K 766.491	-0.7526u	-0.8741u	-0.1212u
Mg 279.078	8.4721	10.0801	14.6301
Mn 257.610	0.9968	1.0392	1.5008
Mo 202.032	0.8357	0.4781	0.0014
Na 330.237	-14.6080u	-74.0845u	-68.6521u
Ni 231.604	0.2113	0.1743	2.0268
Pb 220.353	1.3600	1.8208	0.6884
Sb 206.834	7.0582	2.8992	2.1173
Se 196.026	4.7757	9.6510	2.9705
Sn 189.925	-1.4224u	5.4429	2.7344
Sr 216.596	0.1785	0.3610	0.3132
Ti 334.941	0.2354	0.1955	0.2498
Tl 190.794	1.6165	1.0011	1.8368
V 292.401	0.5851	0.8697	0.7925
Zn 206.200	0.8460	-0.3203u	1.2118

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Ag 328.068	-0.0219	ppb	0.0574	262.2	-12.1465	-0.02188
Al 308.215	14.3591	ppb	1.2985	9.0	489.496	14.35915

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
As 188.980	3.7704	ppb	3.2839	87.1	-0.3892	3.77039
B 249.678	7.3732	ppb	1.0871	14.7	146.987	7.37320
Ba 389.178	0.3627	ppb	0.2913	80.3	-43.4040	0.36275
Be 313.042	0.0765	ppb	0.0101	13.1	-192.539	0.07649
Ca 370.602	23.51	ppb	5.653	24.0	65.46	23.50702
Cd 226.502	0.0917	ppb	0.0559	61.0	16.6775	0.09167
Co 228.615	0.1816	ppb	0.1946	107.2	5.0385	0.18162
Cr 267.716	0.5617	ppb	0.2322	41.3	59.0062	0.56171
Cu 324.754	0.7356	ppb	0.1048	14.2	301.496	0.73561
Fe 271.441	14.4857	ppb	3.7178	25.7	27.2636	14.48569
K 766.491	-0.5826	ppb	0.4042	69.4	300.159	-0.58262
Mg 279.078	11.0608	ppb	3.1940	28.9	45.7780	11.06078
Mn 257.610	1.1789	ppb	0.2796	23.7	284.600	1.17893
Mo 202.032	0.4384	ppb	0.4186	95.5	8.9874	0.43842
Na 330.237	-52.4482	ppb	32.8829	62.7	19.5166	-52.44822
Ni 231.604	0.8041	ppb	1.0590	131.7	-2.5489	0.80413
Pb 220.353	1.2897	ppb	0.5694	44.2	2.2739	1.28973
Sb 206.834	4.0249	ppb	2.6558	66.0	6.4287	4.02491
Se 196.026	5.7990	ppb	3.4558	59.6	4.9731	5.79904
Sn 189.925	2.2516	ppb	3.4580	153.6	-3.8924	2.25164
Sr 216.596	0.2842	ppb	0.0946	33.3	5.4967	0.28425
Ti 334.941	0.2269	ppb	0.0281	12.4	1.1011	0.22687
Tl 190.794	1.4848	ppb	0.4331	29.2	-4.5106	1.48479
V 292.401	0.7491	ppb	0.1472	19.6	12.2448	0.74914
Zn 206.200	0.5792	ppb	0.8001	138.2	1.7273	0.57916

680-106194-a-13-a (Samp) **10/15/2014, 10:49:13 PM** **Rack 3, Tube 51**

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

Label	Replicates Concentration		
Ag 328.068	-6.2985u	-6.7875u	-7.0324u
Al 308.215	289102	289176	289505
As 188.980	359.049	376.068	367.131
B 249.678	47.9381u	47.9465u	49.1148u
Ba 389.178	471.669	473.566	471.847
Be 313.042	14.9206	14.9377	14.9038
Ca 370.602	25142	25057	25071
Cd 226.502	-4.5208	-4.3706	-4.4709
Co 228.615	344.177	342.095	340.595
Cr 267.716	357.704	357.876	357.720
Cu 324.754	307.858	309.195	311.287
Fe 271.441	425975	426314	425679
K 766.491	18406.2	18395.5	18331.8
Mg 279.078	14738.7	14746.9	14755.8
Mn 257.610	3438.06	3434.30	3439.09
Mo 202.032	60.1823	59.8926	60.2999
Na 330.237	196.574u	253.318u	286.672u
Ni 231.604	254.798	256.414	258.368
Pb 220.353	451.241	462.013	453.595
Sb 206.834	-0.4830	2.5872	-2.4538
Se 196.026	2.9316	-0.4220	-8.1014
Sn 189.925	32.3295	31.9957	22.7492
Sr 216.596	85.2411	86.8915	85.8615
Ti 334.941	1194.56	1193.72	1191.91

Label	Replicates Concentration		
Tl 190.794	-8.7154u	-13.8703u	-11.9764u
V 292.401	680.583	680.046	678.317
Zn 206.200	385.395	387.087	387.967

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-6.7061	ppb	0.3737	5.6	-579.372
Al 308.215	289261	ppb	214.453	0.1	1915298
As 188.980	367.416	ppb	8.5130	2.3	194.898
B 249.678	48.3331	ppb	0.6769	1.4	-119.814
Ba 389.178	472.361	ppb	1.0474	0.2	9760.40
Be 313.042	14.9207	ppb	0.0169	0.1	24013.8
Ca 370.602	25090	ppb	45.30	0.2	54386
Cd 226.502	-4.4541	ppb	0.0765	1.7	1355.83
Co 228.615	342.289	ppb	1.7988	0.5	3616.71
Cr 267.716	357.767	ppb	0.0948	0.0	17983.1
Cu 324.754	309.447	ppb	1.7281	0.6	22120.9
Fe 271.441	425989	ppb	317.904	0.1	599952
K 766.491	18377.9	ppb	40.2144	0.2	786497
Mg 279.078	14747.1	ppb	8.5985	0.1	35686.4
Mn 257.610	3437.15	ppb	2.5199	0.1	712126
Mo 202.032	60.1249	ppb	0.2096	0.3	359.661
Na 330.237	245.521	ppb	45.5519	18.6	-77.4204
Ni 231.604	256.527	ppb	1.7880	0.7	737.445
Pb 220.353	455.616	ppb	5.6630	1.2	621.157
Sb 206.834	-0.1165	ppb	2.5404	2179.7	16.4116
Se 196.026	-1.8639	ppb	5.6561	303.4	5.8769
Sn 189.925	29.0248	ppb	5.4374	18.7	13.7099
Sr 216.596	85.9980	ppb	0.8337	1.0	1395.25
Ti 334.941	1193.40	ppb	1.3536	0.1	331170
Tl 190.794	-11.5207	ppb	2.6075	22.6	-64.7001
V 292.401	679.649	ppb	1.1841	0.2	17750.4
Zn 206.200	386.816	ppb	1.3069	0.3	333.136

680-106194-a-25-a (Samp) **10/15/2014, 10:53:32 PM** **Rack 3, Tube 52**

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

Label	Replicates Concentration		
Ag 328.068	-2.9122u	-3.8367u	-3.2058u
Al 308.215	80163.3	80194.4	80178.5
As 188.980	277.738	283.418	279.461
B 249.678	12.3409u	12.7325u	12.1804u
Ba 389.178	412.764	412.309	413.033
Be 313.042	23.8655	23.8428	23.8648
Ca 370.602	22260	22332	22265
Cd 226.502	-2.9383	-2.7991	-2.7688
Co 228.615	83.4799	82.9445	82.7313
Cr 267.716	206.620	207.178	206.712
Cu 324.754	313.619	314.531	312.439
Fe 271.441	295489	295612	295256
K 766.491	6247.76	6241.32	6243.07
Mg 279.078	8623.47	8613.91	8610.57
Mn 257.610	11323.3	11358.7	11332.3
Mo 202.032	25.3610	25.8161	24.0788
Na 330.237	2595.65	2478.42	2354.50

Label	Replicates Concentration		
Ni 231.604	291.911	292.298	293.900
Pb 220.353	249.708	253.147	249.118
Sb 206.834	2.8073	3.6552	7.0282
Se 196.026	2.7169	13.0810	-6.3709
Sn 189.925	13.9695	19.4094	18.5574
Sr 216.596	57.4966	55.9856	56.6151
Ti 334.941	710.332	711.453	711.065
Tl 190.794	-8.1437u	-5.8600u	-3.3062u
V 292.401	325.431	325.872	325.098
Zn 206.200	293.506	295.962	290.981

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-3.3182	ppb	0.4724	14.2	-261.136
Al 308.215	80178.7	ppb	15.5673	0.0	531485
As 188.980	280.206	ppb	2.9122	1.0	147.037
B 249.678	12.4179	ppb	0.2840	2.3	-392.151
Ba 389.178	412.702	ppb	0.3660	0.1	8477.38
Be 313.042	23.8577	ppb	0.0129	0.1	38535.9
Ca 370.602	22286	ppb	40.06	0.2	49150
Cd 226.502	-2.8354	ppb	0.0904	3.2	955.303
Co 228.615	83.0519	ppb	0.3857	0.5	899.702
Cr 267.716	206.837	ppb	0.2991	0.1	10472.4
Cu 324.754	313.530	ppb	1.0491	0.3	22357.5
Fe 271.441	295453	ppb	180.974	0.1	416092
K 766.491	6244.05	ppb	3.3287	0.1	267434
Mg 279.078	8615.99	ppb	6.6967	0.1	20717.5
Mn 257.610	11338.1	ppb	18.3976	0.2	2345566
Mo 202.032	25.0853	ppb	0.9009	3.6	148.677
Na 330.237	2476.19	ppb	120.590	4.9	62.7938
Ni 231.604	292.703	ppb	1.0544	0.4	828.294
Pb 220.353	250.658	ppb	2.1760	0.9	340.995
Sb 206.834	4.4969	ppb	2.2328	49.7	17.6432
Se 196.026	3.1423	ppb	9.7329	309.7	8.3288
Sn 189.925	17.3121	ppb	2.9259	16.9	6.0098
Sr 216.596	56.6991	ppb	0.7590	1.3	936.279
Ti 334.941	710.950	ppb	0.5691	0.1	197265
Tl 190.794	-5.7700	ppb	2.4200	41.9	-41.1292
V 292.401	325.467	ppb	0.3882	0.1	8530.62
Zn 206.200	293.483	ppb	2.4909	0.8	254.243

680-106194-a-18-a (Samp) **10/15/2014, 10:57:50 PM** **Rack 3, Tube 53**

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

Label	Replicates Concentration		
Ag 328.068	13.0826	12.7531	12.8804
Al 308.215	41480.4	41554.6	41556.0
As 188.980	153.037	158.923	154.080
B 249.678	60.4529	61.0152	61.8789
Ba 389.178	604.588	605.360	604.481
Be 313.042	5.7914	5.7977	5.7850
Ca 370.602	768933	768378	765686
Cd 226.502	11.0794	11.5489	11.6450
Co 228.615	349.786	348.821	351.170
Cr 267.716	168.838	168.559	168.604

Label	Replicates Concentration		
Cu 324.754	1532.07	1519.09	1524.45
Fe 271.441	137372	137412	137777
K 766.491	6518.40	6516.00	6504.48
Mg 279.078	42079.3	42101.3	42138.0
Mn 257.610	2408.63	2409.64	2414.16
Mo 202.032	23.3323	23.5406	23.9162
Na 330.237	1900.29	1942.28	1727.72
Ni 231.604	255.002	255.349	256.163
Pb 220.353	1237.49	1233.73	1246.51
Sb 206.834	13.9275	13.3022	10.9519
Se 196.026	11.8822	8.2423	4.5853
Sn 189.925	114.981	114.092	110.723
Sr 216.596	995.639	997.753	1001.32
Ti 334.941	939.953	939.546	939.199
Tl 190.794	-7.3638u	-8.1289u	-8.0697u
V 292.401	446.727	446.978	448.873
Zn 206.200	1870.66	1853.77	1868.40

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	12.9054b	ppb	0.1662	1.3	945.162
Al 308.215	41530.4b	ppb	43.2336	0.1	275486
As 188.980	155.347b	ppb	3.1407	2.0	80.5522
B 249.678	61.1157b	ppb	0.7183	1.2	672.458
Ba 389.178	604.810b	ppb	0.4796	0.1	12338.3
Be 313.042	5.7914b	ppb	0.0063	0.1	9360.56
Ca 370.602	767666b	ppb	1736	0.2	1773657
Cd 226.502	11.4244b	ppb	0.3027	2.6	930.593
Co 228.615	349.926b	ppb	1.1806	0.3	3674.29
Cr 267.716	168.667b	ppb	0.1500	0.1	8469.14
Cu 324.754	1525.20b	ppb	6.5238	0.4	107274
Fe 271.441	137520b	ppb	223.081	0.2	193712
K 766.491	6512.96b	ppb	7.4423	0.1	278937
Mg 279.078	42106.2b	ppb	29.6485	0.1	102258
Mn 257.610	2410.81b	ppb	2.9434	0.1	499283
Mo 202.032	23.5964b	ppb	0.2959	1.3	146.012
Na 330.237	1856.77b	ppb	113.712	6.1	30.6415
Ni 231.604	255.505b	ppb	0.5959	0.2	712.712
Pb 220.353	1239.24b	ppb	6.5681	0.5	1758.74
Sb 206.834	12.7272b	ppb	1.5689	12.3	23.4260
Se 196.026	8.2366b	ppb	3.6484	44.3	7.4094
Sn 189.925	113.265b	ppb	2.2461	2.0	69.0975
Sr 216.596	998.237b	ppb	2.8704	0.3	11309.3
Ti 334.941	939.566b	ppb	0.3774	0.0	260738
Tl 190.794	-7.8541b	ppb	0.4257	5.4	-27.4627
V 292.401	447.526b	ppb	1.1735	0.3	11644.0
Zn 206.200	1864.28b	ppb	9.1726	0.5	1677.44

680-106194-a-8-a (Samp) **10/15/2014, 11:02:08 PM** **Rack 3, Tube 54**

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

Label	Replicates Concentration		
Ag 328.068	-1.0466u	-0.9639u	-1.0576u
Al 308.215	43030.1	43033.7	43064.9
As 188.980	28.0095	28.5518	22.7058

Label	Replicates Concentration		
B 249.678	14.9140	14.0182	14.1438
Ba 389.178	473.099	473.688	476.066
Be 313.042	4.3648	4.3534	4.3770
Ca 370.602	1554473x	1565725x	1552686x
Cd 226.502	1.1631	1.0666	0.9118
Co 228.615	15.3476	16.6938	15.3501
Cr 267.716	90.9611	91.2646	91.6003
Cu 324.754	33.4040	32.9029	32.6199
Fe 271.441	17048.6	17053.1	17135.0
K 766.491	3137.31	3152.38	3151.43
Mg 279.078	23353.9	23340.7	23358.7
Mn 257.610	1443.90	1445.75	1447.70
Mo 202.032	0.3952	0.6511	-0.2775u
Na 330.237	275.355	379.402	580.230
Ni 231.604	38.1821	36.0006	34.4458
Pb 220.353	55.1470	58.4897	54.2279
Sb 206.834	1.8032	0.5301	4.7451
Se 196.026	9.7794	16.9840	3.7996
Sn 189.925	9.1827	6.8913	9.4581
Sr 216.596	292.256	292.680	293.967
Ti 334.941	212.207	212.708	212.766
Tl 190.794	-3.5759u	-5.8045u	-5.8512u
V 292.401	61.0898	61.7294	61.6596
Zn 206.200	43.4056	43.7776	41.4707

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-1.0227b	ppb	0.0512	5.0	-98.7164
Al 308.215	43042.9b	ppb	19.1411	0.0	285257
As 188.980	26.4224b	ppb	3.2300	12.2	12.0371
B 249.678	14.3587b	ppb	0.4850	3.4	216.925
Ba 389.178	474.285b	ppb	1.5707	0.3	9606.55
Be 313.042	4.3651b	ppb	0.0118	0.3	7267.09
Ca 370.602	1557628xb	ppb	7069	0.5	3600686
Cd 226.502	1.0472b	ppb	0.1268	12.1	113.466
Co 228.615	15.7971b	ppb	0.7765	4.9	172.994
Cr 267.716	91.2753b	ppb	0.3197	0.4	4574.50
Cu 324.754	32.9756b	ppb	0.3971	1.2	2568.86
Fe 271.441	17078.9b	ppb	48.6564	0.3	24060.6
K 766.491	3147.04b	ppb	8.4387	0.3	134950
Mg 279.078	23351.1b	ppb	9.3167	0.0	56709.5
Mn 257.610	1445.78b	ppb	1.9006	0.1	299253
Mo 202.032	0.2563b	ppb	0.4796	187.1	7.0743
Na 330.237	411.663b	ppb	154.977	37.6	36.2810
Ni 231.604	36.2095b	ppb	1.8769	5.2	96.8091
Pb 220.353	55.9549b	ppb	2.2428	4.0	78.8845
Sb 206.834	2.3594b	ppb	2.1619	91.6	5.7021
Se 196.026	10.1877b	ppb	6.6017	64.8	7.0674
Sn 189.925	8.5107b	ppb	1.4092	16.6	0.2229
Sr 216.596	292.968b	ppb	0.8915	0.3	3746.68
Ti 334.941	212.560b	ppb	0.3071	0.1	58962.8
Tl 190.794	-5.0772b	ppb	1.3004	25.6	-12.1817
V 292.401	61.4929b	ppb	0.3509	0.6	1591.98
Zn 206.200	42.8846b	ppb	1.2385	2.9	39.0124

680-106194-a-7-a (Samp) **10/15/2014, 11:06:26 PM** **Rack 3, Tube 55**

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

Label	Replicates Concentration		
Ag 328.068	-2.8768u	-2.4361u	-2.4972u
Al 308.215	71877.3	71917.8	71804.6
As 188.980	267.109	272.765	272.809
B 249.678	21.4783	22.0285	22.1755
Ba 389.178	565.798	565.995	566.307
Be 313.042	6.7158	6.7330	6.7262
Ca 370.602	630216	629954	632702
Cd 226.502	0.3469	0.5296	0.4145
Co 228.615	61.1850	62.0238	61.5336
Cr 267.716	127.310	127.730	128.284
Cu 324.754	104.061	106.062	102.926
Fe 271.441	102783	102961	103006
K 766.491	5119.38	5109.76	5109.76
Mg 279.078	20122.7	20178.3	20151.6
Mn 257.610	3105.62	3120.20	3110.09
Mo 202.032	7.1407	7.0771	6.7838
Na 330.237	177.603u	179.857u	193.979u
Ni 231.604	73.8796	75.0814	76.1042
Pb 220.353	156.783	158.887	152.297
Sb 206.834	4.7940	-0.3865	2.1909
Se 196.026	-5.8945u	0.8838	3.8682
Sn 189.925	16.1195	14.9900	17.9076
Sr 216.596	147.008	148.021	147.946
Ti 334.941	516.259	514.794	513.765
Tl 190.794	-3.6228u	-9.0162u	-4.6186u
V 292.401	185.779	186.439	186.196
Zn 206.200	184.570	180.642	179.572

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-2.6033	ppb	0.2388	9.2	-219.126
Al 308.215	71866.6	ppb	57.3305	0.1	476148
As 188.980	270.895	ppb	3.2780	1.2	142.983
B 249.678	21.8941	ppb	0.3675	1.7	151.335
Ba 389.178	566.033	ppb	0.2568	0.0	11506.3
Be 313.042	6.7250	ppb	0.0086	0.1	10833.7
Ca 370.602	630957	ppb	1516	0.2	1457829
Cd 226.502	0.4304	ppb	0.0924	21.5	396.102
Co 228.615	61.5808	ppb	0.4214	0.7	660.899
Cr 267.716	127.775	ppb	0.4888	0.4	6430.24
Cu 324.754	104.350	ppb	1.5876	1.5	7608.69
Fe 271.441	102917	ppb	117.725	0.1	144948
K 766.491	5112.97	ppb	5.5521	0.1	219049
Mg 279.078	20150.9	ppb	27.7924	0.1	48894.1
Mn 257.610	3111.97	ppb	7.4677	0.2	644017
Mo 202.032	7.0005	ppb	0.1904	2.7	45.0366
Na 330.237	183.813	ppb	8.8759	4.8	1.2154
Ni 231.604	75.0217	ppb	1.1135	1.5	210.766
Pb 220.353	155.989	ppb	3.3661	2.2	216.173
Sb 206.834	2.1995	ppb	2.5903	117.8	8.3451
Se 196.026	-0.3808	ppb	5.0027	1313.7	3.9665
Sn 189.925	16.3390	ppb	1.4711	9.0	5.3697
Sr 216.596	147.658	ppb	0.5646	0.4	1938.79

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ti 334.941	514.939	ppb	1.2529	0.2	142873
Tl 190.794	-5.7526	ppb	2.8700	49.9	-22.0819
V 292.401	186.138	ppb	0.3339	0.2	4854.78
Zn 206.200	181.595	ppb	2.6312	1.4	160.789

680-106194-a-9-a (Samp) **10/15/2014, 11:10:44 PM** **Rack 3, Tube 56**

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

Label	Replicates Concentration		
Ag 328.068	-0.9207u	-0.4851u	-1.5495u
Al 308.215	85102.0	85216.9	85152.8
As 188.980	856.224	845.823	847.048
B 249.678	38.3297	38.5347	39.0001
Ba 389.178	892.929	897.123	892.896
Be 313.042	7.4226	7.4441	7.4364
Ca 370.602	353355	352570	352242
Cd 226.502	17.0092	16.8705	16.9355
Co 228.615	70.2590	70.0247	69.8765
Cr 267.716	373.907	373.897	373.900
Cu 324.754	5396.84	5314.77	5382.09
Fe 271.441	241500	241931	241900
K 766.491	5322.58	5299.72	5315.33
Mg 279.078	43850.0	43880.7	43745.4
Mn 257.610	5038.69	5031.36	5002.28
Mo 202.032	36.7085	38.0413	36.8228
Na 330.237	606.026u	726.153u	938.394u
Ni 231.604	260.525	259.954	260.922
Pb 220.353	1733.54	1745.62	1730.07
Sb 206.834	38.7316	35.7403	31.1920
Se 196.026	-0.3895	17.3211	7.3482
Sn 189.925	130.055	130.837	131.459
Sr 216.596	390.076	393.286	391.891
Ti 334.941	880.869	883.538	882.969
Tl 190.794	-5.3320u	-3.4533u	-4.6704u
V 292.401	210.979	211.295	211.610
Zn 206.200	2270.83	2292.06	2274.64

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.9851	ppb	0.5351	54.3	-113.727
Al 308.215	85157.3	ppb	57.5920	0.1	564332
As 188.980	849.698	ppb	5.6844	0.7	452.875
B 249.678	38.6215	ppb	0.3435	0.9	114.032
Ba 389.178	894.316	ppb	2.4311	0.3	18263.6
Be 313.042	7.4344	ppb	0.0109	0.1	11896.2
Ca 370.602	352723	ppb	572.0	0.2	813457
Cd 226.502	16.9384	ppb	0.0694	0.4	1509.26
Co 228.615	70.0534	ppb	0.1928	0.3	764.416
Cr 267.716	373.901	ppb	0.0052	0.0	18713.2
Cu 324.754	5364.57	ppb	43.7498	0.8	376600
Fe 271.441	241777	ppb	240.674	0.1	340501
K 766.491	5312.54	ppb	11.6830	0.2	227586
Mg 279.078	43825.4	ppb	70.9564	0.2	106372
Mn 257.610	5024.11	ppb	19.2569	0.4	1039997
Mo 202.032	37.1909	ppb	0.7387	2.0	225.930

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Na 330.237	756.857	ppb	168.298	22.2	-56.7828
Ni 231.604	260.467	ppb	0.4863	0.2	735.041
Pb 220.353	1736.41	ppb	8.1624	0.5	2461.56
Sb 206.834	35.2213	ppb	3.7965	10.8	58.1422
Se 196.026	8.0933	ppb	8.8788	109.7	8.6449
Sn 189.925	130.784	ppb	0.7036	0.5	80.6151
Sr 216.596	391.751	ppb	1.6097	0.4	4654.57
Ti 334.941	882.459	ppb	1.4059	0.2	244909
Tl 190.794	-4.4852	ppb	0.9529	21.2	-36.6600
V 292.401	211.295	ppb	0.3158	0.1	5546.78
Zn 206.200	2279.17	ppb	11.3181	0.5	2047.24

680-106194-a-19-a (Samp) **10/15/2014, 11:15:02 PM** **Rack 3, Tube 57**

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

Label	Replicates Concentration		
Ag 328.068	-0.0082u	-0.2618u	-0.4174u
Al 308.215	39386.0	39447.9	39421.9
As 188.980	1227.72	1252.52	1230.29
B 249.678	26.7419	27.4108	26.6851
Ba 389.178	670.047	667.738	669.243
Be 313.042	4.0514	4.0412	4.0439
Ca 370.602	1346750x	1342853x	1354178x
Cd 226.502	3.3881	3.1440	2.8919
Co 228.615	30.5027	30.3262	30.5939
Cr 267.716	97.3201	97.3498	97.2532
Cu 324.754	149.350	149.988	150.131
Fe 271.441	164060	164035	163888
K 766.491	5853.69	5867.08	5861.75
Mg 279.078	22492.7	22517.5	22483.8
Mn 257.610	2236.06	2236.63	2237.83
Mo 202.032	11.3614	10.8758	10.4205
Na 330.237	735.265u	712.928u	844.190u
Ni 231.604	74.0342	76.4317	77.3224
Pb 220.353	305.672	305.338	302.201
Sb 206.834	5.5897	9.2673	6.8430
Se 196.026	12.8111	7.5302	4.9411
Sn 189.925	38.4723	40.6239	41.7913
Sr 216.596	533.392	535.364	535.846
Ti 334.941	1037.45	1037.77	1036.07
Tl 190.794	-11.6070u	-9.7247u	-10.2442u
V 292.401	145.842	146.873	145.642
Zn 206.200	591.970	590.775	595.356

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.2291b	ppb	0.2065	90.2	-63.4977
Al 308.215	39418.6b	ppb	31.1238	0.1	261528
As 188.980	1236.84b	ppb	13.6358	1.1	660.599
B 249.678	26.9460b	ppb	0.4036	1.5	99.5911
Ba 389.178	669.009b	ppb	1.1722	0.2	13628.2
Be 313.042	4.0455b	ppb	0.0053	0.1	6686.72
Ca 370.602	1347927xb	ppb	5754	0.4	3114806
Cd 226.502	3.1414b	ppb	0.2481	7.9	715.905
Co 228.615	30.4742b	ppb	0.1361	0.4	350.514

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Cr 267.716	97.3077b	ppb	0.0495	0.1	4942.39
Cu 324.754	149.823b	ppb	0.4156	0.3	10824.0
Fe 271.441	163994b	ppb	92.7063	0.1	230958
K 766.491	5860.84b	ppb	6.7379	0.1	251041
Mg 279.078	22498.0b	ppb	17.4281	0.1	54623.4
Mn 257.610	2236.84b	ppb	0.9030	0.0	463248
Mo 202.032	10.8859b	ppb	0.4706	4.3	66.5127
Na 330.237	764.128b	ppb	70.2299	9.2	3.2992
Ni 231.604	75.9294b	ppb	1.7007	2.2	217.998
Pb 220.353	304.404b	ppb	1.9148	0.6	424.108
Sb 206.834	7.2333b	ppb	1.8696	25.8	16.4360
Se 196.026	8.4275b	ppb	4.0110	47.6	7.6545
Sn 189.925	40.2958b	ppb	1.6836	4.2	21.1209
Sr 216.596	534.867b	ppb	1.3003	0.2	6481.91
Ti 334.941	1037.10b	ppb	0.9030	0.1	287772
Tl 190.794	-10.5253b	ppb	0.9721	9.2	-34.6366
V 292.401	146.119b	ppb	0.6607	0.5	3848.11
Zn 206.200	592.700b	ppb	2.3762	0.4	529.419

680-106194-a-31-a (Samp) **10/15/2014, 11:19:21 PM** **Rack 3, Tube 58**

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

Label	Replicates Concentration		
Ag 328.068	-3.3752u	-3.7743u	-3.3549u
Al 308.215	120281	120156	120606
As 188.980	311.339	306.533	303.879
B 249.678	8.6776u	7.9392u	8.5598u
Ba 389.178	421.710	423.835	424.895
Be 313.042	41.2970	41.3055	41.3470
Ca 370.602	20751	20717	20714
Cd 226.502	-0.2711	0.1638	-0.2773
Co 228.615	57.6785	57.8921	57.9845
Cr 267.716	199.138	198.956	199.531
Cu 324.754	2508.46	2541.13	2520.16
Fe 271.441	261774	262161	262340
K 766.491	6505.96	6510.56	6528.83
Mg 279.078	9114.10	9102.92	9123.43
Mn 257.610	6364.53	6369.64	6370.02
Mo 202.032	26.1738	26.2693	25.8308
Na 330.237	492.846u	349.143u	316.563u
Ni 231.604	374.694	377.116	377.563
Pb 220.353	274.683	270.983	276.211
Sb 206.834	5.1337	3.4676	2.2008
Se 196.026	6.0843	-0.7491	-4.7329
Sn 189.925	32.9061	33.3865	23.5174
Sr 216.596	50.5724	49.8703	50.7538
Ti 334.941	834.090	834.201	835.291
Tl 190.794	-2.5052u	-8.5576u	-7.5462u
V 292.401	378.494	380.136	380.199
Zn 206.200	419.769	419.749	418.096

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-3.5015	ppb	0.2365	6.8	-292.722
Al 308.215	120348	ppb	232.167	0.2	797248

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
As 188.980	307.250	ppb	3.7814	1.2	162.053
B 249.678	8.3922	ppb	0.3967	4.7	-386.566
Ba 389.178	423.480	ppb	1.6221	0.4	8680.93
Be 313.042	41.3165	ppb	0.0268	0.1	66966.9
Ca 370.602	20727	ppb	20.55	0.1	45803
Cd 226.502	-0.1282	ppb	0.2529	197.2	943.433
Co 228.615	57.8517	ppb	0.1569	0.3	637.668
Cr 267.716	199.208	ppb	0.2943	0.1	10058.3
Cu 324.754	2523.25	ppb	16.5549	0.7	177326
Fe 271.441	262092	ppb	289.181	0.1	369109
K 766.491	6515.12	ppb	12.0949	0.2	279030
Mg 279.078	9113.48	ppb	10.2702	0.1	22002.3
Mn 257.610	6368.06	ppb	3.0655	0.0	1317716
Mo 202.032	26.0913	ppb	0.2306	0.9	156.200
Na 330.237	386.184	ppb	93.7972	24.3	-33.0811
Ni 231.604	376.458	ppb	1.5438	0.4	1057.96
Pb 220.353	273.959	ppb	2.6882	1.0	374.665
Sb 206.834	3.6007	ppb	1.4710	40.9	15.4582
Se 196.026	0.2007	ppb	5.4708	2725.4	6.0203
Sn 189.925	29.9367	ppb	5.5645	18.6	14.3098
Sr 216.596	50.3988	ppb	0.4666	0.9	831.152
Ti 334.941	834.528	ppb	0.6637	0.1	231555
Tl 190.794	-6.2030	ppb	3.2421	52.3	-39.9474
V 292.401	379.610	ppb	0.9666	0.3	9924.29
Zn 206.200	419.205	ppb	0.9600	0.2	368.891

680-106194-b-1-a (Samp) **10/15/2014, 11:23:39 PM** **Rack 3, Tube 59**

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

Label	Replicates Concentration		
Ag 328.068	40.9934	40.7268	40.4801
Al 308.215	76041.1	75810.2	75866.4
As 188.980	236.807	248.653	246.226
B 249.678	329.279	330.320	330.692
Ba 389.178	4302.54	4287.36	4284.91
Be 313.042	3.9332	3.9286	3.9225
Ca 370.602	1202048x	1204295x	1204164x
Cd 226.502	359.427	357.880	356.809
Co 228.615	109.600	108.649	108.260
Cr 267.716	1655.42	1653.77	1652.96
Cu 324.754	533591x	542317o	513001o
Fe 271.441	748877	754757	752858
K 766.491	8298.99	8311.28	8309.79
Mg 279.078	103109	102961	102945
Mn 257.610	7847.65	7874.70	7828.69
Mo 202.032	184.783	186.326	185.738
Na 330.237	15974.0u	15695.2u	15438.4u
Ni 231.604	1631.49	1627.59	1635.33
Pb 220.353	14112.6	14110.0	14066.9
Sb 206.834	178.430	179.024	177.098
Se 196.026	10.8013	0.3992	18.9675
Sn 189.925	1123.76	1119.38	1108.01
Sr 216.596	2058.33	2059.11	2051.67
Ti 334.941	1803.16	1798.42	1797.39

Label	Replicates Concentration		
Tl 190.794	-40.0540u	-41.0072u	-39.7511u
V 292.401	216.558	216.557	216.841
Zn 206.200	127468x	126805x	127113x

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	40.7334b	ppb	0.2567	0.6	2991.44
Al 308.215	75905.9b	ppb	120.400	0.2	503975
As 188.980	243.895b	ppb	6.2580	2.6	125.062
B 249.678	330.097b	ppb	0.7322	0.2	3450.95
Ba 389.178	4291.60b	ppb	9.5496	0.2	87496.2
Be 313.042	3.9281b	ppb	0.0053	0.1	6475.25
Ca 370.602	1203502xb	ppb	1261	0.1	2775586
Cd 226.502	358.038b	ppb	1.3164	0.4	16101.9
Co 228.615	108.836b	ppb	0.6898	0.6	1215.98
Cr 267.716	1654.05b	ppb	1.2562	0.1	82469.4
Cu 324.754	529637oxb	ppb	15052.8	2.8	37147388
Fe 271.441	752164b	ppb	3001.11	0.4	1059263
K 766.491	8306.69b	ppb	6.7069	0.1	355670
Mg 279.078	103005b	ppb	90.1493	0.1	250099
Mn 257.610	7850.35b	ppb	23.1248	0.3	1626329
Mo 202.032	185.616b	ppb	0.7783	0.4	1122.62
Na 330.237	15702.5b	ppb	267.860	1.7	-2564.87
Ni 231.604	1631.47b	ppb	3.8741	0.2	4571.99
Pb 220.353	14096.5b	ppb	25.6418	0.2	20056.5
Sb 206.834	178.184b	ppb	0.9861	0.6	273.234
Se 196.026	10.0560b	ppb	9.3066	92.5	13.8241
Sn 189.925	1117.05b	ppb	8.1302	0.7	729.065
Sr 216.596	2056.37b	ppb	4.0862	0.2	23644.8
Ti 334.941	1799.66b	ppb	3.0739	0.2	499572
Tl 190.794	-40.2708b	ppb	0.6555	1.6	-132.111
V 292.401	216.652b	ppb	0.1633	0.1	5804.99
Zn 206.200	127129xb	ppb	331.720	0.3	114660

CRI (Samp) **10/15/2014, 11:27:57 PM** **Rack 3, Tube 60**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Replicates Concentration		
Ag 328.068	10.6637	10.3805	10.7785
Al 308.215	218.862	219.339	218.834
As 188.980	20.3260	23.5423	26.6719
B 249.678	105.823	105.643	104.999
Ba 389.178	9.6990	10.7821	10.4620
Be 313.042	4.1182	4.1152	4.1203
Ca 370.602	616.7	625.2	620.7
Cd 226.502	5.1810	5.2060	5.1148
Co 228.615	9.9495	10.4243	10.2255
Cr 267.716	10.3256	10.2943	10.1562
Cu 324.754	61.8383	71.7155	69.2629
Fe 271.441	122.500	132.285	128.029
K 766.491	1068.39	1069.36	1069.17
Mg 279.078	522.381	521.843	519.137
Mn 257.610	11.8041	11.9382	11.8234
Mo 202.032	10.3624	10.6164	10.3505
Na 330.237	968.138	925.182	952.857

Label	Replicates Concentration		
Ni 231.604	42.0369	40.3034	40.0657
Pb 220.353	11.7654	14.7141	15.0729
Sb 206.834	22.7075	22.8553	24.6333
Se 196.026	24.3235	31.9011	29.8951
Sn 189.925	53.3405	54.0308	50.5738
Sr 216.596	9.6824	10.4532	10.0361
Ti 334.941	10.7382	10.6479	10.6077
Tl 190.794	25.5130	26.3258	25.2265
V 292.401	10.1732	10.0752	10.1650
Zn 206.200	33.0028	36.1422	36.4702

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	10.6076	ppb	0.2048	1.9	809.674
Al 308.215	219.012	ppb	0.2839	0.1	1845.36
As 188.980	23.5134	ppb	3.1731	13.5	10.2013
B 249.678	105.488	ppb	0.4334	0.4	1630.60
Ba 389.178	10.3144	ppb	0.5564	5.4	159.197
Be 313.042	4.1179	ppb	0.0025	0.1	6385.96
Ca 370.602	620.9	ppb	4.258	0.7	1449
Cd 226.502	5.1673	ppb	0.0472	0.9	207.047
Co 228.615	10.1998	ppb	0.2385	2.3	109.339
Cr 267.716	10.2587	ppb	0.0902	0.9	540.190
Cu 324.754	67.6056	ppb	5.1429	7.6	4991.83
Fe 271.441	127.605	ppb	4.9065	3.8	187.721
K 766.491	1068.97	ppb	0.5155	0.0	46053.7
Mg 279.078	521.120	ppb	1.7389	0.3	1284.70
Mn 257.610	11.8552	ppb	0.0725	0.6	2496.43
Mo 202.032	10.4431	ppb	0.1502	1.4	70.8856
Na 330.237	948.726	ppb	21.7737	2.3	66.5016
Ni 231.604	40.8020	ppb	1.0760	2.6	108.239
Pb 220.353	13.8508	ppb	1.8149	13.1	20.1646
Sb 206.834	23.3987	ppb	1.0718	4.6	31.9211
Se 196.026	28.7066	ppb	3.9261	13.7	13.7957
Sn 189.925	52.6483	ppb	1.8295	3.5	29.2429
Sr 216.596	10.0572	ppb	0.3859	3.8	111.498
Ti 334.941	10.6646	ppb	0.0669	0.6	2898.18
Tl 190.794	25.6884	ppb	0.5703	2.2	19.1503
V 292.401	10.1378	ppb	0.0544	0.5	253.761
Zn 206.200	35.2051	ppb	1.9143	5.4	32.9362

Cont Calib Verif (CCV) **10/15/2014, 11:32:16 PM** **Rack 4, Tube 1**

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

Label	Replicates Concentration		
Ag 328.068	488.803	486.942	487.662
Al 308.215	4836.67	4838.14	4825.05
As 188.980	449.767	451.879	453.304
B 249.678	482.914	482.361	486.714
Ba 389.178	4758.03	4754.66	4753.08
Be 313.042	477.300	478.773	478.830
Ca 370.602	4724	4745	4740
Cd 226.502	473.379	474.274	473.459
Co 228.615	483.168	483.881	484.446
Cr 267.716	4768.32	4773.98	4779.87

Label	Replicates Concentration		
Cu 324.754	5058.32	5046.97	5020.53
Fe 271.441	4784.56	4787.93	4781.62
K 766.491	9956.24	9963.25	9945.23
Mg 279.078	4816.91	4808.39	4814.86
Mn 257.610	4899.65	4899.66	4912.90
Mo 202.032	481.188	482.341	481.694
Na 330.237	7467.31	7145.94	7286.42
Ni 231.604	2415.87	2419.58	2419.40
Pb 220.353	477.500	483.554	478.902
Sb 206.834	914.258	918.960	912.379
Se 196.026	4769.69	4750.60	4712.73
Sn 189.925	4785.54	4766.19	4819.70
Sr 216.596	2351.86	2347.67	2355.13
Ti 334.941	478.421	478.524	477.909
Tl 190.794	4836.59	4865.10	4860.65
V 292.401	4798.06	4795.38	4792.49
Zn 206.200	2335.51	2341.44	2343.90

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Ag 328.068	487.802	ppb	0.9387	0.2	37676.4	97.56046
Al 308.215	4833.28	ppb	7.1692	0.1	32878.6	96.66568
As 188.980	451.650	ppb	1.7793	0.4	239.795	90.32999
B 249.678	483.996	ppb	2.3696	0.5	7356.22	96.79925
Ba 389.178	4755.26	ppb	2.5289	0.1	96412.3	95.10513
Be 313.042	478.301	ppb	0.8674	0.2	778516	95.66023
Ca 370.602	4737	ppb	10.90	0.2	11219	94.73477
Cd 226.502	473.704	ppb	0.4953	0.1	17758.4	94.74077
Co 228.615	483.832	ppb	0.6407	0.1	5047.45	96.76631
Cr 267.716	4774.06	ppb	5.7741	0.1	236903	95.48113
Cu 324.754	5041.94	ppb	19.3905	0.4	353827	100.83875
Fe 271.441	4784.70	ppb	3.1601	0.1	6840.67	95.69409
K 766.491	9954.91	ppb	9.0847	0.1	426178	99.54905
Mg 279.078	4813.39	ppb	4.4473	0.1	11621.1	96.26781
Mn 257.610	4904.07	ppb	7.6454	0.2	1014212	98.08145
Mo 202.032	481.741	ppb	0.5777	0.1	2982.51	96.34824
Na 330.237	7299.89	ppb	161.106	2.2	311.295	97.33189
Ni 231.604	2418.29	ppb	2.0917	0.1	6693.58	96.73148
Pb 220.353	479.985	ppb	3.1691	0.7	688.000	95.99709
Sb 206.834	915.199	ppb	3.3900	0.4	1251.64	91.51987
Se 196.026	4744.34	ppb	28.9938	0.6	1830.35	94.88681
Sn 189.925	4790.48	ppb	27.0967	0.6	3144.30	95.80955
Sr 216.596	2351.56	ppb	3.7413	0.2	25637.1	94.06222
Ti 334.941	478.285	ppb	0.3292	0.1	132662	95.65698
Tl 190.794	4854.11	ppb	15.3388	0.3	4747.70	97.08224
V 292.401	4795.31	ppb	2.7836	0.1	124006	95.90615
Zn 206.200	2340.28	ppb	4.3156	0.2	2100.05	93.61130

Cont Calib Blank (CCB) **10/15/2014, 11:36:35 PM** **Rack 4, Tube 2**

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

Label	Replicates Concentration		
Ag 328.068	0.1333	-0.1904u	0.1053
Al 308.215	8.2747	8.6313	8.7683
As 188.980	6.2816	3.4350	5.7582

Label	Replicates Concentration		
B 249.678	9.2028	7.8509	7.7213
Ba 389.178	0.4264	0.1096	0.6771
Be 313.042	0.0680	0.0649	0.0765
Ca 370.602	23.99	14.10	15.75
Cd 226.502	0.1173	0.0391	0.0309
Co 228.615	0.2287	-0.0442u	0.2652
Cr 267.716	0.7173	0.6376	0.7988
Cu 324.754	3.9916	3.9401	4.3058
Fe 271.441	24.9074	7.4248	8.0124
K 766.491	-0.4997u	-0.8820u	-0.9024u
Mg 279.078	14.6239	1.7321	3.7038
Mn 257.610	1.5182	0.7351	0.8896
Mo 202.032	0.2702	1.5667	0.4864
Na 330.237	-94.5459u	-104.892u	55.0177
Ni 231.604	1.6725	1.6450	1.1225
Pb 220.353	1.8270	0.0272	3.0459
Sb 206.834	7.0605	5.5109	1.0016
Se 196.026	5.1684	3.8212	6.5755
Sn 189.925	-1.3325u	3.2218	4.6501
Sr 216.596	0.5698	0.4091	0.5093
Ti 334.941	0.2210	0.1790	0.2095
Tl 190.794	4.3492	0.3482	2.2407
V 292.401	0.6141	0.8443	0.8179
Zn 206.200	2.6506	2.9492	0.4533

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Ag 328.068	0.0161	ppb	0.1793	1116.4	-9.2277	0.01607
Al 308.215	8.5581	ppb	0.2548	3.0	451.128	8.55813
As 188.980	5.1583	ppb	1.5152	29.4	0.3552	5.15826
B 249.678	8.2583	ppb	0.8204	9.9	160.380	8.25835
Ba 389.178	0.4044	ppb	0.2844	70.3	-42.5645	0.40437
Be 313.042	0.0698	ppb	0.0060	8.6	-203.448	0.06982
Ca 370.602	17.95	ppb	5.299	29.5	52.60	17.94647
Cd 226.502	0.0625	ppb	0.0477	76.4	15.5836	0.06247
Co 228.615	0.1499	ppb	0.1691	112.8	4.6990	0.14989
Cr 267.716	0.7179	ppb	0.0806	11.2	66.7562	0.71790
Cu 324.754	4.0792	ppb	0.1979	4.9	536.015	4.07917
Fe 271.441	13.4482	ppb	9.9283	73.8	25.7902	13.44819
K 766.491	-0.7614	ppb	0.2268	29.8	292.511	-0.76141
Mg 279.078	6.6866	ppb	6.9442	103.9	35.1549	6.68657
Mn 257.610	1.0476	ppb	0.4148	39.6	257.413	1.04763
Mo 202.032	0.7744	ppb	0.6946	89.7	11.0667	0.77442
Na 330.237	-48.1400	ppb	89.4868	185.9	19.7003	-48.14002
Ni 231.604	1.4800	ppb	0.3099	20.9	-0.6763	1.48003
Pb 220.353	1.6334	ppb	1.5186	93.0	2.7637	1.63338
Sb 206.834	4.5243	ppb	3.1476	69.6	7.0835	4.52432
Se 196.026	5.1884	ppb	1.3772	26.5	4.7379	5.18838
Sn 189.925	2.1798	ppb	3.1244	143.3	-3.9397	2.17980
Sr 216.596	0.4960	ppb	0.0812	16.4	7.7949	0.49605
Ti 334.941	0.2032	ppb	0.0217	10.7	-5.4813	0.20318
Tl 190.794	2.3127	ppb	2.0015	86.5	-3.7027	2.31270
V 292.401	0.7587	ppb	0.1260	16.6	12.4262	0.75875
Zn 206.200	2.0177	ppb	1.3630	67.6	3.0245	2.01767

CRI (Samp) **10/15/2014, 11:40:54 PM** **Rack 4, Tube 3**

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

Label	Replicates Concentration		
Ag 328.068	10.5909	10.5009	10.3342
Al 308.215	212.306	211.712	213.193
As 188.980	23.1220	28.3575	25.1569
B 249.678	104.425	104.486	103.975
Ba 389.178	9.5096	10.3065	10.3174
Be 313.042	4.1222	4.1302	4.1254
Ca 370.602	506.0	513.3	507.5
Cd 226.502	5.0803	5.1237	4.9592
Co 228.615	9.7017	9.8339	10.7935
Cr 267.716	10.3285	10.2784	10.1042
Cu 324.754	22.5449	22.8073	22.7453
Fe 271.441	50.8168	55.2960	56.5797
K 766.491	1071.44	1072.16	1069.49
Mg 279.078	506.290	508.222	510.629
Mn 257.610	10.9942	11.1101	11.0667
Mo 202.032	9.9153	10.4806	10.3751
Na 330.237	1036.09	952.184	887.683
Ni 231.604	41.4504	40.3900	41.3350
Pb 220.353	12.1838	11.2962	12.5821
Sb 206.834	23.6340	20.4952	22.0410
Se 196.026	19.6308	24.1601	23.1174
Sn 189.925	52.9597	52.1708	51.2603
Sr 216.596	10.0858	10.0987	10.3758
Ti 334.941	10.3239	10.3418	10.3150
Tl 190.794	23.8769	27.6559	27.2688
V 292.401	10.3326	10.3618	10.0352
Zn 206.200	21.4712	19.4657	22.1635

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	10.4753	ppb	0.1302	1.2	799.456
Al 308.215	212.404	ppb	0.7451	0.4	1801.51
As 188.980	25.5454	ppb	2.6393	10.3	11.2919
B 249.678	104.296	ppb	0.2792	0.3	1612.70
Ba 389.178	10.0445	ppb	0.4633	4.6	153.670
Be 313.042	4.1259	ppb	0.0041	0.1	6399.05
Ca 370.602	508.9	ppb	3.836	0.8	1191
Cd 226.502	5.0544	ppb	0.0853	1.7	202.552
Co 228.615	10.1097	ppb	0.5959	5.9	108.394
Cr 267.716	10.2371	ppb	0.1177	1.2	539.077
Cu 324.754	22.6992	ppb	0.1372	0.6	1842.21
Fe 271.441	54.2309	ppb	3.0255	5.6	84.4005
K 766.491	1071.03	ppb	1.3842	0.1	46141.8
Mg 279.078	508.380	ppb	2.1738	0.4	1253.77
Mn 257.610	11.0570	ppb	0.0585	0.5	2331.07
Mo 202.032	10.2570	ppb	0.3006	2.9	69.7370
Na 330.237	958.652	ppb	74.4147	7.8	67.3226
Ni 231.604	41.0585	ppb	0.5818	1.4	108.944
Pb 220.353	12.0207	ppb	0.6583	5.5	17.5598
Sb 206.834	22.0567	ppb	1.5695	7.1	30.1519
Se 196.026	22.3028	ppb	2.3720	10.6	11.3295
Sn 189.925	52.1303	ppb	0.8504	1.6	28.9023
Sr 216.596	10.1868	ppb	0.1638	1.6	112.781

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ti 334.941	10.3269	ppb	0.0137	0.1	2804.44
Tl 190.794	26.2672	ppb	2.0791	7.9	19.7256
V 292.401	10.2432	ppb	0.1807	1.8	256.484
Zn 206.200	21.0334	ppb	1.4011	6.7	20.1540

CCV (Samp) **10/15/2014, 11:45:13 PM** **Rack 4, Tube 4**

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

Label	Replicates Concentration		
Ag 328.068	486.173	488.462	485.704
Al 308.215	4781.31	4788.89	4830.09
As 188.980	444.392	448.672	459.437
B 249.678	484.322	482.088	487.956
Ba 389.178	4747.42	4763.84	4769.94
Be 313.042	479.787	478.937	483.394
Ca 370.602	4804	4802	4787
Cd 226.502	471.658	472.325	472.153
Co 228.615	486.154	486.659	484.423
Cr 267.716	4777.55	4795.40	4787.74
Cu 324.754	5072.97	5016.12	5091.48
Fe 271.441	4769.03	4794.15	4780.67
K 766.491	10008.8	10006.6	10039.4
Mg 279.078	4814.45	4820.64	4813.47
Mn 257.610	4894.90	4901.60	4891.53
Mo 202.032	479.248	481.396	482.139
Na 330.237	7674.95	7526.26	7400.24
Ni 231.604	2410.86	2414.36	2412.57
Pb 220.353	480.680	485.202	479.516
Sb 206.834	908.590	911.599	916.233
Se 196.026	4674.49	4723.90	4713.51
Sn 189.925	4799.47	4793.07	4782.79
Sr 216.596	2331.50	2338.30	2339.41
Ti 334.941	481.457	483.146	483.668
Tl 190.794	4867.80	4871.70	4857.60
V 292.401	4792.66	4805.69	4801.66
Zn 206.200	2342.93	2328.03	2332.95

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	486.780	ppb	1.4755	0.3	37598.2
Al 308.215	4800.10	ppb	26.2535	0.5	32658.3
As 188.980	450.834	ppb	7.7522	1.7	239.357
B 249.678	484.789	ppb	2.9615	0.6	7368.15
Ba 389.178	4760.40	ppb	11.6489	0.2	96516.5
Be 313.042	480.706	ppb	2.3664	0.5	782431
Ca 370.602	4798	ppb	8.973	0.2	11359
Cd 226.502	472.045	ppb	0.3461	0.1	17696.3
Co 228.615	485.745	ppb	1.1724	0.2	5067.40
Cr 267.716	4786.90	ppb	8.9549	0.2	237540
Cu 324.754	5060.19	ppb	39.2707	0.8	355107
Fe 271.441	4781.28	ppb	12.5719	0.3	6835.69
K 766.491	10018.3	ppb	18.3511	0.2	428888
Mg 279.078	4816.19	ppb	3.8922	0.1	11628.5
Mn 257.610	4896.01	ppb	5.1298	0.1	1012544
Mo 202.032	480.928	ppb	1.5011	0.3	2977.48

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Na 330.237	7533.81	ppb	137.509	1.8	322.879
Ni 231.604	2412.60	ppb	1.7501	0.1	6677.82
Pb 220.353	481.800	ppb	3.0037	0.6	690.566
Sb 206.834	912.141	ppb	3.8503	0.4	1247.37
Se 196.026	4703.96	ppb	26.0483	0.6	1814.80
Sn 189.925	4791.78	ppb	8.4150	0.2	3145.15
Sr 216.596	2336.41	ppb	4.2825	0.2	25471.9
Ti 334.941	482.757	ppb	1.1554	0.2	133903
Tl 190.794	4865.70	ppb	7.2822	0.1	4759.00
V 292.401	4800.00	ppb	6.6716	0.1	124129
Zn 206.200	2334.64	ppb	7.5913	0.3	2095.02

CCB (Samp) **10/15/2014, 11:49:31 PM** **Rack 4, Tube 5**

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

Label	Replicates Concentration		
Ag 328.068	-0.0250u	-0.2421u	0.2271
Al 308.215	10.3880	10.4125	8.6587
As 188.980	2.6437	1.1913	3.6959
B 249.678	9.5433	8.6393	7.7060
Ba 389.178	0.4201	0.8919	0.5898
Be 313.042	0.0770	0.0780	0.0841
Ca 370.602	3.471	6.807	7.571
Cd 226.502	0.1153	0.0549	-0.1498u
Co 228.615	0.3584	-0.0095u	-0.3289u
Cr 267.716	0.6483	0.5748	0.9513
Cu 324.754	1.1466	1.2101	1.2402
Fe 271.441	1.3940	9.2216	-2.0588u
K 766.491	-0.1147u	-0.3543u	-1.5411u
Mg 279.078	0.3903	1.4730	-0.9340u
Mn 257.610	0.8555	0.9896	0.9564
Mo 202.032	0.7997	1.0129	0.4031
Na 330.237	-100.244u	-173.471u	-40.8584u
Ni 231.604	0.3856	1.6258	1.3142
Pb 220.353	1.9058	1.5707	0.7449
Sb 206.834	4.6325	3.0810	3.2565
Se 196.026	5.5406	2.3922	10.0844
Sn 189.925	3.5338	2.2002	1.3613
Sr 216.596	0.0818	0.4058	0.3504
Ti 334.941	0.1686	0.1938	0.1879
Tl 190.794	6.6547	4.3974	1.5670
V 292.401	0.9357	0.9399	0.7712
Zn 206.200	1.5904	0.2270	0.9473

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.0133	ppb	0.2348	1762.6	-11.4950
Al 308.215	9.8197	ppb	1.0055	10.2	459.476
As 188.980	2.5103	ppb	1.2576	50.1	-1.0653
B 249.678	8.6295	ppb	0.9187	10.6	165.992
Ba 389.178	0.6339	ppb	0.2390	37.7	-37.9196
Be 313.042	0.0797	ppb	0.0038	4.8	-187.312
Ca 370.602	5.950	ppb	2.181	36.7	24.93
Cd 226.502	0.0068	ppb	0.1389	2042.7	13.4742
Co 228.615	0.0067	ppb	0.3439	5165.6	3.2057

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Cr 267.716	0.7248	ppb	0.1995	27.5	67.0945
Cu 324.754	1.1990	ppb	0.0478	4.0	334.003
Fe 271.441	2.8523	ppb	5.7798	202.6	10.8603
K 766.491	-0.6700	ppb	0.7638	114.0	296.420
Mg 279.078	0.3097	ppb	1.2055	389.2	19.6637
Mn 257.610	0.9338	ppb	0.0699	7.5	233.820
Mo 202.032	0.7386	ppb	0.3094	41.9	10.8450
Na 330.237	-104.858	ppb	66.4268	63.3	17.0263
Ni 231.604	1.1085	ppb	0.6452	58.2	-1.7057
Pb 220.353	1.4072	ppb	0.5975	42.5	2.4415
Sb 206.834	3.6567	ppb	0.8496	23.2	5.9392
Se 196.026	6.0057	ppb	3.8671	64.4	5.0526
Sn 189.925	2.3651	ppb	1.0956	46.3	-3.8178
Sr 216.596	0.2794	ppb	0.1733	62.0	5.4116
Ti 334.941	0.1834	ppb	0.0132	7.2	-10.9693
Tl 190.794	4.2063	ppb	2.5492	60.6	-1.8509
V 292.401	0.8822	ppb	0.0962	10.9	15.6237
Zn 206.200	0.9216	ppb	0.6821	74.0	2.0361

Cont Calib Verif (CCV) **10/16/2014, 9:56:09 AM** **Rack 4, Tube 13**

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

Label	Replicates Concentration		
Ag 328.068	478.308	479.748	476.281
Al 308.215	4810.80	4767.64	4754.22
As 188.980	456.591	462.222	454.962
B 249.678	473.589	476.513	476.604
Ba 389.178	4744.41	4753.38	4751.63
Be 313.042	475.203	478.415	475.256
Ca 370.602	4461	4475	4454
Cd 226.502	480.541	482.972	481.402
Co 228.615	478.213	478.373	476.928
Cr 267.716	4782.02	4793.03	4781.72
Cu 324.754	4955.58	4898.39	4836.37
Fe 271.441	4743.08	4749.75	4753.07
K 766.491	9850.02	9826.21	9809.33
Mg 279.078	4778.03	4771.67	4758.77
Mn 257.610	4824.03	4835.21	4822.85
Mo 202.032	469.302	469.344	467.969
Na 330.237	7727.36	7584.35	7635.81
Ni 231.604	2407.35	2414.61	2408.79
Pb 220.353	478.367	477.031	478.210
Sb 206.834	900.823	902.601	903.570
Se 196.026	4850.62	4880.12	4848.56
Sn 189.925	4760.14	4779.26	4757.60
Sr 216.596	2374.88	2383.21	2377.68
Ti 334.941	461.370	461.388	461.141
Tl 190.794	4720.93	4725.14	4721.11
V 292.401	4725.57	4717.84	4714.23
Zn 206.200	2388.87	2391.41	2391.66

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Ag 328.068	478.112	ppb	1.7418	0.4	36923.1	95.62249
Al 308.215	4777.55	ppb	29.5648	0.6	32507.2	95.55107

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
As 188.980	457.925	ppb	3.8091	0.8	243.162	91.58504
B 249.678	475.568	ppb	1.7152	0.4	7228.84	95.11369
Ba 389.178	4749.80	ppb	4.7543	0.1	96301.5	94.99606
Be 313.042	476.291	ppb	1.8393	0.4	775243	95.25828
Ca 370.602	4463	ppb	10.70	0.2	10586	89.26880Q
Cd 226.502	481.638	ppb	1.2330	0.3	18055.4	96.32768
Co 228.615	477.838	ppb	0.7922	0.2	4985.26	95.56754
Cr 267.716	4785.59	ppb	6.4429	0.1	237476	95.71177
Cu 324.754	4896.78	ppb	59.6220	1.2	343646	97.93565
Fe 271.441	4748.63	ppb	5.0866	0.1	6790.04	94.97269
K 766.491	9828.52	ppb	20.4432	0.2	420771	98.28522
Mg 279.078	4769.49	ppb	9.8153	0.2	11514.1	95.38975
Mn 257.610	4827.37	ppb	6.8229	0.1	998349	96.54733
Mo 202.032	468.872	ppb	0.7821	0.2	2902.89	93.77431
Na 330.237	7649.17	ppb	72.4331	0.9	326.562	101.98897
Ni 231.604	2410.25	ppb	3.8418	0.2	6671.31	96.40990
Pb 220.353	477.870	ppb	0.7302	0.2	685.076	95.57392
Sb 206.834	902.331	ppb	1.3933	0.2	1235.97	90.23312
Se 196.026	4859.76	ppb	17.6550	0.4	1874.80	97.19528
Sn 189.925	4765.67	ppb	11.8363	0.2	3127.98	95.31335
Sr 216.596	2378.59	ppb	4.2366	0.2	25932.0	95.14363
Ti 334.941	461.300	ppb	0.1377	0.0	127948	92.25996
Tl 190.794	4722.39	ppb	2.3792	0.1	4618.92	94.44786
V 292.401	4719.22	ppb	5.7936	0.1	122030	94.38432
Zn 206.200	2390.65	ppb	1.5459	0.1	2145.20	95.62598

Cont Calib Blank (CCB) **10/16/2014, 10:00:28 AM** **Rack 4, Tube 14**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Replicates Concentration		
Ag 328.068	0.0666	-0.0956u	0.1937
Al 308.215	1.9095	2.1655	3.3470
As 188.980	7.8025	6.2072	4.5131
B 249.678	8.4938	7.4368	6.6759
Ba 389.178	0.7724	0.9905	0.9186
Be 313.042	0.0504	0.0458	0.0463
Ca 370.602	1.545	3.666	7.197
Cd 226.502	0.0132	0.0728	-0.0242u
Co 228.615	0.0990	0.2095	-0.2098u
Cr 267.716	0.5588	0.5919	0.6023
Cu 324.754	0.9802	0.6584	0.7572
Fe 271.441	1.3025	-0.6180u	-1.0486u
K 766.491	1.7354	1.2724	1.2863
Mg 279.078	-1.1709u	0.1096	-2.8522u
Mn 257.610	0.7054	0.6615	0.6302
Mo 202.032	0.6205	0.8344	0.8146
Na 330.237	-85.4240u	-1.1430u	-54.0216u
Ni 231.604	0.6081	1.2877	1.3263
Pb 220.353	-0.8370u	1.0902	-0.7082u
Sb 206.834	6.0266	2.9345	0.1524
Se 196.026	3.7792	7.6068	3.3318
Sn 189.925	5.4170	-0.7005u	2.9145
Sr 216.596	0.5520	0.2313	0.4917
Ti 334.941	0.0747	0.1404	0.0909

Label	Replicates Concentration		
Tl 190.794	5.0676	4.3582	2.5655
V 292.401	0.5347	0.5498	0.4664
Zn 206.200	0.4986	1.0073	-1.3861u

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Ag 328.068	0.0549	ppb	0.1450	264.2	-6.2274	0.05489
Al 308.215	2.4740	ppb	0.7668	31.0	410.825	2.47401
As 188.980	6.1743	ppb	1.6450	26.6	0.9003	6.17425
B 249.678	7.5355	ppb	0.9130	12.1	149.454	7.53550
Ba 389.178	0.8938	ppb	0.1112	12.4	-32.6533	0.89382
Be 313.042	0.0475	ppb	0.0026	5.4	-239.806	0.04749
Ca 370.602	4.136	ppb	2.855	69.0	20.75	4.13594
Cd 226.502	0.0206	ppb	0.0489	237.3	13.9757	0.02062
Co 228.615	0.0329	ppb	0.2173	661.2	3.4776	0.03287
Cr 267.716	0.5843	ppb	0.0227	3.9	60.1249	0.58433
Cu 324.754	0.7986	ppb	0.1649	20.6	305.924	0.79859
Fe 271.441	-0.1214	ppb	1.2518	1031.3	6.6606	-0.12138
K 766.491	1.4314	ppb	0.2634	18.4	386.314	1.43137
Mg 279.078	-1.3045	ppb	1.4854	113.9	15.7493	-1.30446
Mn 257.610	0.6657	ppb	0.0378	5.7	178.346	0.66570
Mo 202.032	0.7565	ppb	0.1182	15.6	10.9564	0.75648
Na 330.237	-46.8629	ppb	42.5941	90.9	19.7798	-46.86286
Ni 231.604	1.0741	ppb	0.4040	37.6	-1.8014	1.07406
Pb 220.353	-0.1516	ppb	1.0774	710.6	0.2191	-0.15163
Sb 206.834	3.0378	ppb	2.9384	96.7	5.1233	3.03784
Se 196.026	4.9059	ppb	2.3497	47.9	4.6290	4.90592
Sn 189.925	2.5437	ppb	3.0755	120.9	-3.7004	2.54365
Sr 216.596	0.4250	ppb	0.1704	40.1	6.9973	0.42497
Ti 334.941	0.1020	ppb	0.0342	33.6	-33.5718	0.10201
Tl 190.794	3.9971	ppb	1.2896	32.3	-2.0556	3.99714
V 292.401	0.5170	ppb	0.0444	8.6	6.1646	0.51695
Zn 206.200	0.0399	ppb	1.2609	3160.5	1.2411	0.03990

680-106194-b-2-a (Samp) **10/16/2014, 10:04:47 AM** **Rack 4, Tube 15**

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

Label	Replicates Concentration		
Ag 328.068	1.1411	0.7837	1.2115
Al 308.215	6299.96	6180.17	6018.73
As 188.980	83.1006	81.7191	83.1139
B 249.678	24.1138u	24.1685u	23.4181u
Ba 389.178	528.174	518.920	505.196
Be 313.042	0.9305	0.9102	0.8795
Ca 370.602	35016	34396	33505
Cd 226.502	19.5985	18.8792	17.7455
Co 228.615	24.7163	24.2972	24.0297
Cr 267.716	333.472	328.625	319.476
Cu 324.754	2322.19	2264.32	2209.94
Fe 271.441	204472	201075	195583
K 766.491	424.255	414.254	403.771
Mg 279.078	5583.08	5501.20	5349.02
Mn 257.610	1736.03	1706.73	1661.98
Mo 202.032	101.666	100.325	97.8061
Na 330.237	407.580u	578.808u	705.816u

Label	Replicates Concentration		
Ni 231.604	194.571	191.257	184.515
Pb 220.353	792.963	783.749	760.356
Sb 206.834	5.9091	5.1957	3.3925
Se 196.026	1.6219	4.9122	8.1734
Sn 189.925	81.0614	76.8332	78.6707
Sr 216.596	130.104	127.340	123.386
Ti 334.941	210.863	207.206	202.226
Tl 190.794	-2.0804u	-4.5060u	-5.6726u
V 292.401	33.6356	33.0301	31.9960
Zn 206.200	1440.45	1413.55	1388.59

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	1.0454	ppb	0.2294	21.9	42.7419
Al 308.215	6166.29	ppb	141.126	2.3	41545.3
As 188.980	82.6445	ppb	0.8015	1.0	40.8857
B 249.678	23.9001	ppb	0.4183	1.8	-27.8461
Ba 389.178	517.430	ppb	11.5612	2.2	10551.9
Be 313.042	0.9067	ppb	0.0257	2.8	1152.53
Ca 370.602	34306	ppb	759.3	2.2	77450
Cd 226.502	18.7411	ppb	0.9342	5.0	1438.04
Co 228.615	24.3477	ppb	0.3461	1.4	271.436
Cr 267.716	327.191	ppb	7.1075	2.2	16363.4
Cu 324.754	2265.48	ppb	56.1299	2.5	159230
Fe 271.441	200377	ppb	4485.04	2.2	282192
K 766.491	414.093	ppb	10.2433	2.5	18039.2
Mg 279.078	5477.77	ppb	118.779	2.2	13293.3
Mn 257.610	1701.58	ppb	37.2928	2.2	352531
Mo 202.032	99.9324	ppb	1.9598	2.0	616.023
Na 330.237	564.068	ppb	149.663	26.5	-34.3301
Ni 231.604	190.114	ppb	5.1244	2.7	537.273
Pb 220.353	779.022	ppb	16.8094	2.2	1099.32
Sb 206.834	4.8324	ppb	1.2970	26.8	15.4508
Se 196.026	4.9025	ppb	3.2758	66.8	6.4938
Sn 189.925	78.8551	ppb	2.1202	2.7	46.4729
Sr 216.596	126.943	ppb	3.3768	2.7	1613.53
Ti 334.941	206.765	ppb	4.3354	2.1	57343.9
Tl 190.794	-4.0863	ppb	1.8325	44.8	-33.6982
V 292.401	32.8872	ppb	0.8291	2.5	890.771
Zn 206.200	1414.20	ppb	25.9396	1.8	1268.46

680-106194-b-2-a (Samp) **10/16/2014, 10:09:06 AM** **Rack 4, Tube 16**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Replicates Concentration		
Ag 328.068	0.2837	0.4262	0.4572
Al 308.215	1062.15	1038.26	1020.09
As 188.980	16.3511	16.2692	18.1869
B 249.678	4.9689	4.9308	4.9870
Ba 389.178	93.7264	91.5925	89.1946
Be 313.042	0.1425	0.1387	0.1271
Ca 370.602	6082	5987	5860
Cd 226.502	3.4325	3.1099	3.2152
Co 228.615	4.2663	4.4374	4.0348
Cr 267.716	57.9474	56.6396	55.6749

Label	Replicates Concentration		
Cu 324.754	397.410	390.333	380.475
Fe 271.441	35565.3	34829.0	34133.1
K 766.491	71.0881	70.2663	68.3834
Mg 279.078	992.852	964.945	944.752
Mn 257.610	304.971	299.079	292.967
Mo 202.032	17.6119	18.1802	16.6163
Na 330.237	-63.2257u	-87.3064u	-38.3542u
Ni 231.604	34.7592	33.7024	32.8319
Pb 220.353	143.885	139.060	137.424
Sb 206.834	0.7113	1.6172	0.1219
Se 196.026	-0.2479	6.8247	-6.4066u
Sn 189.925	15.3004	17.1556	16.0026
Sr 216.596	22.2544	22.3722	21.5363
Ti 334.941	36.4805	35.6816	34.9851
Tl 190.794	-1.4841u	3.8691u	-1.1216u
V 292.401	5.9307	5.9000	5.6230
Zn 206.200	251.951	247.110	244.569

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	0.3890	ppb	0.0925	23.8	14.8310
Al 308.215	1040.17	ppb	21.0950	2.0	7337.74
As 188.980	16.9357	ppb	1.0843	6.4	6.4928
B 249.678	4.9623	ppb	0.0287	0.6	36.6724
Ba 389.178	91.5045	ppb	2.2672	2.5	1823.94
Be 313.042	0.1361	ppb	0.0080	5.9	-96.5623
Ca 370.602	5976	ppb	111.3	1.9	13502
Cd 226.502	3.2525	ppb	0.1645	5.1	260.695
Co 228.615	4.2462	ppb	0.2020	4.8	49.9261
Cr 267.716	56.7540	ppb	1.1405	2.0	2864.15
Cu 324.754	389.406	ppb	8.5057	2.2	27576.6
Fe 271.441	34842.4	ppb	716.216	2.1	49074.6
K 766.491	69.9126	ppb	1.3866	2.0	3315.82
Mg 279.078	967.516	ppb	24.1531	2.5	2363.58
Mn 257.610	299.006	ppb	6.0023	2.0	61980.0
Mo 202.032	17.4695	ppb	0.7916	4.5	112.876
Na 330.237	-62.9621	ppb	24.4772	38.9	4.4942
Ni 231.604	33.7645	ppb	0.9651	2.9	91.4336
Pb 220.353	140.123	ppb	3.3589	2.4	198.166
Sb 206.834	0.8168	ppb	0.7532	92.2	3.5842
Se 196.026	0.0567	ppb	6.6209	11668.9	3.0869
Sn 189.925	16.1529	ppb	0.9367	5.8	5.2474
Sr 216.596	22.0543	ppb	0.4524	2.1	282.337
Ti 334.941	35.7157	ppb	0.7483	2.1	9854.23
Tl 190.794	0.4211	ppb	2.9915	710.3	-9.6754
V 292.401	5.8179	ppb	0.1695	2.9	151.611
Zn 206.200	247.877	ppb	3.7502	1.5	223.340

680-106194-b-2-a (Samp) **10/16/2014, 10:13:25 AM** **Rack 4, Tube 17**

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

Label	Replicates Concentration		
Ag 328.068	99.3215	96.5243	93.2642
Al 308.215	7048.78	6849.21	6625.70
As 188.980	189.278	189.655	184.461

Label	Replicates Concentration		
B 249.678	222.594	218.418	213.346
Ba 389.178	586.563	572.296	554.678
Be 313.042	105.750	103.129	99.8001
Ca 370.602	42882	41785	40350
Cd 226.502	121.166	118.170	113.571
Co 228.615	126.369	123.302	119.080
Cr 267.716	417.589	406.117	393.533
Cu 324.754	2297.47	2236.18	2162.56
Fe 271.441	202292	197097	191035
K 766.491	11703.4	11399.3	11021.6
Mg 279.078	15472.0	15032.1	14565.4
Mn 257.610	2712.55	2640.24	2556.93
Mo 202.032	198.945	194.548	188.058
Na 330.237	9900.34	9726.53	9373.11
Ni 231.604	286.321	276.776	267.863
Pb 220.353	854.545	829.749	802.695
Sb 206.834	108.913	102.608	99.6023
Se 196.026	111.802	110.028	101.144
Sn 189.925	177.266	176.226	164.949
Sr 216.596	225.101	219.372	212.189
Ti 334.941	298.932	291.033	281.371
Tl 190.794	14.2166u	16.6525u	16.9474u
V 292.401	136.367	132.754	128.253
Zn 206.200	1455.73	1417.89	1380.05

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	96.3700	ppb	3.0316	3.1	7417.37
Al 308.215	6841.23	ppb	211.654	3.1	46019.9
As 188.980	187.798	ppb	2.8963	1.5	97.3022
B 249.678	218.119	ppb	4.6317	2.1	2918.00
Ba 389.178	571.179	ppb	15.9718	2.8	11652.9
Be 313.042	102.893	ppb	2.9818	2.9	167177
Ca 370.602	41672	ppb	1270	3.0	94565
Cd 226.502	117.636	ppb	3.8260	3.3	5125.95
Co 228.615	122.917	ppb	3.6594	3.0	1297.36
Cr 267.716	405.747	ppb	12.0325	3.0	20262.5
Cu 324.754	2232.07	ppb	67.5486	3.0	156887
Fe 271.441	196808	ppb	5633.95	2.9	277178
K 766.491	11374.8	ppb	341.605	3.0	486917
Mg 279.078	15023.2	ppb	453.403	3.0	36466.3
Mn 257.610	2636.58	ppb	77.8716	3.0	545939
Mo 202.032	193.850	ppb	5.4765	2.8	1197.28
Na 330.237	9666.66	ppb	268.665	2.8	401.404
Ni 231.604	276.987	ppb	9.2309	3.3	777.421
Pb 220.353	828.996	ppb	25.9332	3.1	1170.84
Sb 206.834	103.708	ppb	4.7515	4.6	145.090
Se 196.026	107.658	ppb	5.7108	5.3	46.2094
Sn 189.925	172.814	ppb	6.8306	4.0	108.252
Sr 216.596	218.887	ppb	6.4701	3.0	2613.48
Ti 334.941	290.445	ppb	8.7951	3.0	80578.6
Tl 190.794	15.9388	ppb	1.4987	9.4	-13.1183
V 292.401	132.458	ppb	4.0651	3.1	3452.99
Zn 206.200	1417.89	ppb	37.8397	2.7	1271.73

680-106194-b-2-b ms (Samp) **10/16/2014, 10:17:44 AM** **Rack 4, Tube 18**

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

Label	Replicates Concentration		
Ag 328.068	6.7229	6.9496	6.6396
Al 308.215	7993.43	7658.13	7382.87
As 188.980	41.1067	39.6609	38.2380
B 249.678	45.5928	45.0933	45.0906
Ba 389.178	254.184	243.596	234.395
Be 313.042	6.0613	5.7980	5.6185
Ca 370.602	86004	82233	79631
Cd 226.502	12.5197	11.3590	10.4238
Co 228.615	22.0210	20.9557	20.2406
Cr 267.716	367.850	351.707	340.485
Cu 324.754	2948.24	2789.88	2726.80
Fe 271.441	169180	162282	157068
K 766.491	1112.47	1064.24	1027.17
Mg 279.078	4281.54	4119.86	3969.60
Mn 257.610	1966.51	1882.17	1821.62
Mo 202.032	135.470	129.932	126.104
Na 330.237	1109.24u	1054.21u	916.158u
Ni 231.604	185.730	180.795	170.172
Pb 220.353	759.065	725.038	700.457
Sb 206.834	10.1920	5.8891	9.4978
Se 196.026	13.1549	12.3295	20.2495
Sn 189.925	217.509	205.432	199.737
Sr 216.596	144.837	139.258	132.512
Ti 334.941	196.756	188.509	182.238
Tl 190.794	-1.9534u	0.9777u	0.2507u
V 292.401	42.8587	41.7429	40.0794
Zn 206.200	1300.23	1251.60	1203.96

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	6.7707	ppb	0.1604	2.4	491.902
Al 308.215	7678.14	ppb	305.772	4.0	51488.9
As 188.980	39.6685	ppb	1.4344	3.6	18.0361
B 249.678	45.2589	ppb	0.2892	0.6	374.938
Ba 389.178	244.059	ppb	9.9025	4.1	4987.02
Be 313.042	5.8259	ppb	0.2227	3.8	9174.08
Ca 370.602	82622	ppb	3204	3.9	189511
Cd 226.502	11.4342	ppb	1.0500	9.2	1028.73
Co 228.615	21.0724	ppb	0.8959	4.3	233.839
Cr 267.716	353.347	ppb	13.7563	3.9	17645.5
Cu 324.754	2821.64	ppb	114.084	4.0	198222
Fe 271.441	162843	ppb	6075.60	3.7	229335
K 766.491	1067.96	ppb	42.7731	4.0	46010.5
Mg 279.078	4123.67	ppb	156.003	3.8	9999.52
Mn 257.610	1890.10	ppb	72.7689	3.8	391398
Mo 202.032	130.502	ppb	4.7091	3.6	806.812
Na 330.237	1026.54	ppb	99.4732	9.7	0.8116
Ni 231.604	178.899	ppb	7.9502	4.4	503.310
Pb 220.353	728.186	ppb	29.4305	4.0	1029.13
Sb 206.834	8.5263	ppb	2.3101	27.1	18.9969
Se 196.026	15.2446	ppb	4.3540	28.6	10.2236
Sn 189.925	207.559	ppb	9.0753	4.4	131.094
Sr 216.596	138.869	ppb	6.1718	4.4	1720.15

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ti 334.941	189.168	ppb	7.2812	3.8	52454.5
Tl 190.794	-0.2416	ppb	1.5263	631.7	-25.3748
V 292.401	41.5604	ppb	1.3986	3.4	1095.67
Zn 206.200	1251.93	ppb	48.1371	3.8	1123.46

680-106194-b-2-c msd (Samp) **10/16/2014, 10:22:03 AM** **Rack 4, Tube 19**

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

Label	Replicates Concentration		
Ag 328.068	5.8457	5.5366	6.1507
Al 308.215	5721.18	5585.53	5451.46
As 188.980	45.0501	44.0440	45.8781
B 249.678	35.6914	36.5233	36.5573
Ba 389.178	269.080	263.004	256.742
Be 313.042	5.6802	5.5359	5.4199
Ca 370.602	110089	106659	103886
Cd 226.502	10.9545	10.7063	10.1169
Co 228.615	29.7763	28.6709	28.5609
Cr 267.716	364.513	354.848	347.017
Cu 324.754	1976.49	1900.77	1878.45
Fe 271.441	193713	188751	184654
K 766.491	976.064	948.703	928.655
Mg 279.078	18368.8	17900.8	17501.5
Mn 257.610	1754.41	1707.78	1671.29
Mo 202.032	122.489	119.770	116.455
Na 330.237	815.346u	894.824u	958.787u
Ni 231.604	220.064	212.322	208.399
Pb 220.353	424.401	410.725	404.690
Sb 206.834	6.4249	7.0317	5.5159
Se 196.026	8.4656	13.8909	8.5763
Sn 189.925	86.3170	83.9514	80.2212
Sr 216.596	166.995	161.403	156.809
Ti 334.941	170.722	166.362	162.323
Tl 190.794	-2.7166u	-0.2574u	-0.6473u
V 292.401	66.9206	64.9319	63.5574
Zn 206.200	1049.37	1017.81	1000.44

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	5.8444	ppb	0.3070	5.3	414.302
Al 308.215	5586.05	ppb	134.861	2.4	37690.6
As 188.980	44.9907	ppb	0.9185	2.0	20.7370
B 249.678	36.2574	ppb	0.4904	1.4	183.400
Ba 389.178	262.942	ppb	6.1695	2.3	5400.67
Be 313.042	5.5453	ppb	0.1304	2.4	8726.41
Ca 370.602	106878	ppb	3107	2.9	245312
Cd 226.502	10.5926	ppb	0.4302	4.1	1091.74
Co 228.615	29.0027	ppb	0.6722	2.3	317.986
Cr 267.716	355.460	ppb	8.7640	2.5	17760.8
Cu 324.754	1918.57	ppb	51.3847	2.7	134894
Fe 271.441	189039	ppb	4536.23	2.4	266227
K 766.491	951.141	ppb	23.7986	2.5	41013.1
Mg 279.078	17923.7	ppb	434.083	2.4	43530.8
Mn 257.610	1711.16	ppb	41.6601	2.4	354570
Mo 202.032	119.571	ppb	3.0216	2.5	738.019

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Na 330.237	889.652	ppb	71.8600	8.1	-6.1962
Ni 231.604	213.595	ppb	5.9358	2.8	601.420
Pb 220.353	413.272	ppb	10.0992	2.4	578.506
Sb 206.834	6.3241	ppb	0.7629	12.1	17.0550
Se 196.026	10.3110	ppb	3.1008	30.1	8.4898
Sn 189.925	83.4966	ppb	3.0732	3.7	49.5247
Sr 216.596	161.736	ppb	5.1010	3.2	2006.41
Ti 334.941	166.469	ppb	4.2009	2.5	46182.1
Tl 190.794	-1.2071	ppb	1.3217	109.5	-29.4831
V 292.401	65.1367	ppb	1.6909	2.6	1717.63
Zn 206.200	1022.54	ppb	24.8074	2.4	915.491

680-106194-b-3-a (Samp) **10/16/2014, 10:26:22 AM** **Rack 4, Tube 20**

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

Label	Replicates Concentration		
Ag 328.068	0.4506	0.7330	0.9180
Al 308.215	5496.45	5367.94	5225.84
As 188.980	38.1994	34.8473	28.1434
B 249.678	21.2867u	21.3569u	21.6379u
Ba 389.178	309.655	301.986	293.115
Be 313.042	0.6173	0.5995	0.5944
Ca 370.602	47655	46294	45198
Cd 226.502	6.3123	5.6879	4.9712
Co 228.615	19.8337	19.4530	18.3408
Cr 267.716	345.114	336.295	327.035
Cu 324.754	2981.60	2878.15	2827.20
Fe 271.441	257025	250104	244292
K 766.491	545.572	532.370	517.790
Mg 279.078	14804.0	14439.0	14069.2
Mn 257.610	2173.52	2113.45	2061.89
Mo 202.032	112.567	112.354	107.656
Na 330.237	351.098u	534.931u	371.244u
Ni 231.604	243.368	238.936	231.813
Pb 220.353	349.382	338.512	334.918
Sb 206.834	6.5937	5.2280	0.3287
Se 196.026	12.3637	1.0020	5.8679
Sn 189.925	51.4377	44.8926	43.2298
Sr 216.596	102.954	99.8174	97.7363
Ti 334.941	158.327	154.198	150.337
Tl 190.794	-7.6497u	-5.9925u	-0.9751u
V 292.401	32.6161	31.7735	31.1323
Zn 206.200	1001.60	976.864	952.448

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	0.7005	ppb	0.2353	33.6	10.7803
Al 308.215	5363.41	ppb	135.361	2.5	36316.9
As 188.980	33.7300	ppb	5.1202	15.2	14.3692
B 249.678	21.4272	ppb	0.1859	0.9	-170.855
Ba 389.178	301.586	ppb	8.2773	2.7	6210.81
Be 313.042	0.6038	ppb	0.0120	2.0	659.918
Ca 370.602	46382	ppb	1231	2.7	104865
Cd 226.502	5.6571	ppb	0.6711	11.9	1128.33
Co 228.615	19.2092	ppb	0.7757	4.0	219.756

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Cr 267.716	336.148	ppb	9.0403	2.7	16831.9
Cu 324.754	2895.65	ppb	78.6722	2.7	203449
Fe 271.441	250473	ppb	6374.40	2.5	352741
K 766.491	531.911	ppb	13.8965	2.6	23079.3
Mg 279.078	14437.4	ppb	367.418	2.5	35053.3
Mn 257.610	2116.29	ppb	55.8716	2.6	438497
Mo 202.032	110.859	ppb	2.7760	2.5	681.494
Na 330.237	419.091	ppb	100.825	24.1	-42.0665
Ni 231.604	238.039	ppb	5.8293	2.4	673.883
Pb 220.353	340.938	ppb	7.5309	2.2	471.706
Sb 206.834	4.0501	ppb	3.2944	81.3	15.8408
Se 196.026	6.4112	ppb	5.7003	88.9	7.5366
Sn 189.925	46.5200	ppb	4.3392	9.3	25.2130
Sr 216.596	100.169	ppb	2.6268	2.6	1377.98
Ti 334.941	154.287	ppb	3.9956	2.6	42803.0
Tl 190.794	-4.8725	ppb	3.4754	71.3	-40.3741
V 292.401	31.8406	ppb	0.7442	2.3	878.874
Zn 206.200	976.972	ppb	24.5780	2.5	872.064

680-106200-b-31-a (Samp) **10/16/2014, 10:30:41 AM** **Rack 4, Tube 21**

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

Label	Replicates Concentration		
Ag 328.068	0.0600	-0.0301	-0.1367
Al 308.215	10894.3	10520.4	10300.4
As 188.980	35.4427	28.2469	27.3610
B 249.678	11.0360	10.8964	10.8408
Ba 389.178	464.601	449.772	440.404
Be 313.042	1.4942	1.4310	1.4048
Ca 370.602	7467	7173	7000
Cd 226.502	2.0179	2.0104	1.8547
Co 228.615	27.3972	25.6576	25.6429
Cr 267.716	29.9773	28.9001	28.2366
Cu 324.754	72.5368	70.5758	69.2940
Fe 271.441	27481.3	26506.6	26012.0
K 766.491	1037.86	1010.54	984.823
Mg 279.078	1140.85	1101.50	1085.84
Mn 257.610	3834.04	3703.00	3627.27
Mo 202.032	3.3088	4.2255	3.6630
Na 330.237	250.810u	262.905u	243.757u
Ni 231.604	19.3895	17.9992	18.4124
Pb 220.353	246.714	238.330	231.309
Sb 206.834	3.8672	6.7685	5.3163
Se 196.026	1.6413	10.3886	5.0397
Sn 189.925	17.1200	23.5924	18.4877
Sr 216.596	99.1035	95.3885	93.6196
Ti 334.941	183.337	176.773	173.114
Tl 190.794	-0.6146u	0.0529u	-0.4086u
V 292.401	45.0204	43.3755	42.2754
Zn 206.200	473.643	459.473	443.813

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.0356	ppb	0.0985	276.8	-2.5794
Al 308.215	10571.7	ppb	300.249	2.8	70399.9

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
As 188.980	30.3502	ppb	4.4324	14.6	13.8166
B 249.678	10.9244	ppb	0.1006	0.9	144.271
Ba 389.178	451.592	ppb	12.2005	2.7	9123.04
Be 313.042	1.4433	ppb	0.0459	3.2	2035.58
Ca 370.602	7213	ppb	236.4	3.3	16566
Cd 226.502	1.9610	ppb	0.0922	4.7	182.766
Co 228.615	26.2326	ppb	1.0086	3.8	281.503
Cr 267.716	29.0380	ppb	0.8785	3.0	1500.66
Cu 324.754	70.8022	ppb	1.6332	2.3	5226.38
Fe 271.441	26666.6	ppb	747.612	2.8	37563.6
K 766.491	1011.07	ppb	26.5238	2.6	43577.0
Mg 279.078	1109.39	ppb	28.3422	2.6	2641.16
Mn 257.610	3721.44	ppb	104.614	2.8	769688
Mo 202.032	3.7325	ppb	0.4623	12.4	28.1820
Na 330.237	252.491	ppb	9.6844	3.8	15.9287
Ni 231.604	18.6004	ppb	0.7140	3.8	48.7482
Pb 220.353	238.784	ppb	7.7127	3.2	339.796
Sb 206.834	5.3173	ppb	1.4507	27.3	9.1989
Se 196.026	5.6899	ppb	4.4098	77.5	5.8590
Sn 189.925	19.7333	ppb	3.4113	17.3	7.6015
Sr 216.596	96.0372	ppb	2.7989	2.9	1082.74
Ti 334.941	177.741	ppb	5.1802	2.9	49263.4
Tl 190.794	-0.3234	ppb	0.3418	105.7	-7.6715
V 292.401	43.5571	ppb	1.3815	3.2	1132.20
Zn 206.200	458.976	ppb	14.9213	3.3	414.176

680-106200-b-31-b ms (Samp) **10/16/2014, 10:35:00 AM** **Rack 4, Tube 22**

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

Label	Replicates Concentration		
Ag 328.068	5.3422	5.0886	5.3880
Al 308.215	12204.8	12147.9	11953.0
As 188.980	48.6326	44.4522	45.9856
B 249.678	25.5732	24.8948	24.4669
Ba 389.178	349.764	344.205	336.853
Be 313.042	6.6899	6.5955	6.4621
Ca 370.602	8726	8643	8458
Cd 226.502	7.6068	7.4216	7.2479
Co 228.615	16.9125	16.8027	16.8591
Cr 267.716	46.3500	45.5406	44.3663
Cu 324.754	87.9748	87.7387	84.5839
Fe 271.441	33009.8	32605.5	31854.7
K 766.491	1641.95	1620.65	1584.72
Mg 279.078	1718.22	1699.50	1655.28
Mn 257.610	1776.66	1751.46	1712.66
Mo 202.032	12.5320	11.9776	11.5116
Na 330.237	679.928	642.284	596.130
Ni 231.604	29.0750	27.4518	27.7637
Pb 220.353	331.536	326.342	315.798
Sb 206.834	6.1638	3.0263	8.6752
Se 196.026	10.9463	13.8140	13.0505
Sn 189.925	49.4485	50.9431	51.8795
Sr 216.596	106.833	104.920	103.436
Ti 334.941	194.083	191.238	187.118

Label	Replicates Concentration		
Tl 190.794	3.4366	5.1238	6.8251
V 292.401	52.0115	51.1082	50.4662
Zn 206.200	548.481	551.957	529.892

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	5.2729	ppb	0.1612	3.1	397.378
Al 308.215	12101.9	ppb	132.060	1.1	80536.9
As 188.980	46.3568	ppb	2.1147	4.6	22.3839
B 249.678	24.9783	ppb	0.5578	2.2	344.508
Ba 389.178	343.607	ppb	6.4763	1.9	6936.68
Be 313.042	6.5825	ppb	0.1144	1.7	10402.2
Ca 370.602	8609	ppb	137.1	1.6	19698
Cd 226.502	7.4255	ppb	0.1795	2.4	408.191
Co 228.615	16.8581	ppb	0.0549	0.3	184.269
Cr 267.716	45.4189	ppb	0.9974	2.2	2307.07
Cu 324.754	86.7658	ppb	1.8932	2.2	6348.63
Fe 271.441	32490.0	ppb	586.151	1.8	45763.5
K 766.491	1615.77	ppb	28.9253	1.8	69445.0
Mg 279.078	1691.00	ppb	32.3221	1.9	4090.57
Mn 257.610	1746.93	ppb	32.2401	1.8	361397
Mo 202.032	12.0071	ppb	0.5109	4.3	79.1308
Na 330.237	639.448	ppb	41.9711	6.6	30.9311
Ni 231.604	28.0969	ppb	0.8614	3.1	75.5239
Pb 220.353	324.559	ppb	8.0191	2.5	461.361
Sb 206.834	5.9551	ppb	2.8302	47.5	10.2693
Se 196.026	12.6036	ppb	1.4852	11.8	8.1804
Sn 189.925	50.7570	ppb	1.2261	2.4	27.9992
Sr 216.596	105.063	ppb	1.7030	1.6	1187.80
Ti 334.941	190.813	ppb	3.5018	1.8	52892.2
Tl 190.794	5.1285	ppb	1.6942	33.0	-3.9966
V 292.401	51.1953	ppb	0.7763	1.5	1330.46
Zn 206.200	543.443	ppb	11.8640	2.2	490.114

680-106200-b-31-c ms (Samp) **10/16/2014, 10:39:18 AM** **Rack 4, Tube 23**

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

Label	Replicates Concentration		
Ag 328.068	4.8991	5.0002	4.7335
Al 308.215	13728.3	13392.9	12926.2
As 188.980	42.1665	42.2505	32.2701
B 249.678	30.2690	29.9812	29.4396
Ba 389.178	395.239	386.249	373.545
Be 313.042	6.8204	6.6545	6.4430
Ca 370.602	16795	16295	15850
Cd 226.502	6.9375	6.6131	6.2364
Co 228.615	13.3720	12.9446	12.5688
Cr 267.716	37.9014	36.7942	35.8119
Cu 324.754	74.3093	72.6322	71.0863
Fe 271.441	27731.1	27050.9	26114.7
K 766.491	1767.26	1727.95	1666.67
Mg 279.078	3245.21	3161.45	3068.32
Mn 257.610	1088.85	1061.03	1027.34
Mo 202.032	11.8794	11.7567	10.7080
Na 330.237	806.179	529.887	851.573

Label	Replicates Concentration		
Ni 231.604	24.4068	24.3396	23.8719
Pb 220.353	271.284	263.566	255.969
Sb 206.834	5.3105	7.3575	7.7064
Se 196.026	5.4250	9.5715	11.1266
Sn 189.925	43.9671	42.5162	41.6584
Sr 216.596	144.283	141.097	136.723
Ti 334.941	210.513	205.179	197.892
Tl 190.794	2.2315u	0.8438u	3.0312
V 292.401	46.4321	45.2814	43.7410
Zn 206.200	462.294	458.369	446.637

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	4.8776	ppb	0.1346	2.8	363.220
Al 308.215	13349.2	ppb	402.836	3.0	88780.4
As 188.980	38.8957	ppb	5.7381	14.8	18.4213
B 249.678	29.8966	ppb	0.4211	1.4	430.595
Ba 389.178	385.011	ppb	10.8999	2.8	7775.48
Be 313.042	6.6393	ppb	0.1892	2.8	10497.3
Ca 370.602	16313	ppb	472.9	2.9	37553
Cd 226.502	6.5957	ppb	0.3509	5.3	357.227
Co 228.615	12.9618	ppb	0.4018	3.1	143.611
Cr 267.716	36.8359	ppb	1.0454	2.8	1875.73
Cu 324.754	72.6759	ppb	1.6120	2.2	5358.17
Fe 271.441	26965.6	ppb	811.612	3.0	37983.1
K 766.491	1720.63	ppb	50.6908	2.9	73930.4
Mg 279.078	3158.33	ppb	88.4886	2.8	7667.83
Mn 257.610	1059.07	ppb	30.8031	2.9	219149
Mo 202.032	11.4480	ppb	0.6439	5.6	75.9151
Na 330.237	729.213	ppb	174.107	23.9	38.6856
Ni 231.604	24.2061	ppb	0.2913	1.2	64.3284
Pb 220.353	263.607	ppb	7.6575	2.9	374.627
Sb 206.834	6.7915	ppb	1.2944	19.1	11.1169
Se 196.026	8.7077	ppb	2.9473	33.8	6.5047
Sn 189.925	42.7139	ppb	1.1670	2.7	22.7110
Sr 216.596	140.701	ppb	3.7953	2.7	1574.10
Ti 334.941	204.528	ppb	6.3358	3.1	56699.8
Tl 190.794	2.0355	ppb	1.1068	54.4	-6.6830
V 292.401	45.1515	ppb	1.3502	3.0	1172.47
Zn 206.200	455.767	ppb	8.1465	1.8	411.250

680-106200-b-53-a (Samp) **10/16/2014, 10:43:37 AM** **Rack 4, Tube 24**

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

Label	Replicates Concentration		
Ag 328.068	-0.0705	-0.2309	-0.0784
Al 308.215	12186.0	11960.4	11334.8
As 188.980	29.2099	26.1431	25.5559
B 249.678	4.8757u	4.6320u	4.9650u
Ba 389.178	283.637	274.430	259.853
Be 313.042	1.2353	1.1972	1.1463
Ca 370.602	20352	19735	18767
Cd 226.502	1.6117	1.6223	1.2289
Co 228.615	13.9018	14.3967	13.8206
Cr 267.716	35.2151	34.2495	32.9850

Label	Replicates Concentration		
Cu 324.754	79.9231	77.5670	74.3832
Fe 271.441	36920.9	35808.0	34081.6
K 766.491	3068.98	3003.91	2846.34
Mg 279.078	3042.58	2955.38	2834.86
Mn 257.610	6134.32	5967.37	5662.51
Mo 202.032	3.3393	2.7822	2.4603
Na 330.237	402.157u	381.993u	233.751u
Ni 231.604	24.1914	22.1055	21.5789
Pb 220.353	303.767	302.404	284.066
Sb 206.834	1.5800	0.8467	0.9413
Se 196.026	4.4021	-0.8432	8.4489
Sn 189.925	13.0015	11.5015	9.4181
Sr 216.596	52.7925	51.4375	49.3081
Ti 334.941	170.045	165.069	156.728
Tl 190.794	2.7339	2.0862	3.9911
V 292.401	40.3238	38.8444	37.3439
Zn 206.200	549.520	530.576	502.288

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.1266	ppb	0.0904	71.4	0.7202
Al 308.215	11827.1	ppb	441.019	3.7	78721.7
As 188.980	26.9696	ppb	1.9623	7.3	11.9663
B 249.678	4.8242	ppb	0.1724	3.6	33.1115
Ba 389.178	272.640	ppb	11.9927	4.4	5500.43
Be 313.042	1.1930	ppb	0.0447	3.7	1631.12
Ca 370.602	19618	ppb	798.6	4.1	45194
Cd 226.502	1.4876	ppb	0.2241	15.1	197.211
Co 228.615	14.0397	ppb	0.3118	2.2	154.811
Cr 267.716	34.1499	ppb	1.1184	3.3	1768.16
Cu 324.754	77.2911	ppb	2.7802	3.6	5685.22
Fe 271.441	35603.5	ppb	1430.64	4.0	50147.6
K 766.491	2973.08	ppb	114.474	3.9	127508
Mg 279.078	2944.27	ppb	104.305	3.5	7057.82
Mn 257.610	5921.40	ppb	239.243	4.0	1224661
Mo 202.032	2.8606	ppb	0.4447	15.5	22.4075
Na 330.237	339.300	ppb	91.9624	27.1	16.3384
Ni 231.604	22.6253	ppb	1.3816	6.1	60.6125
Pb 220.353	296.746	ppb	11.0019	3.7	422.312
Sb 206.834	1.1227	ppb	0.3989	35.5	4.0113
Se 196.026	4.0026	ppb	4.6589	116.4	5.7026
Sn 189.925	11.3070	ppb	1.7996	15.9	2.0614
Sr 216.596	51.1794	ppb	1.7565	3.4	606.648
Ti 334.941	163.947	ppb	6.7294	4.1	45440.0
Tl 190.794	2.9371	ppb	0.9685	33.0	-4.5974
V 292.401	38.8374	ppb	1.4900	3.8	1012.84
Zn 206.200	527.461	ppb	23.7700	4.5	475.605

Cont Calib Verif (CCV) **10/16/2014, 10:47:57 AM** **Rack 4, Tube 25**

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

Label	Replicates Concentration		
Ag 328.068	480.759	482.224	480.369
Al 308.215	4722.36	4766.81	4786.24
As 188.980	448.555	445.693	453.789

Label	Replicates Concentration		
B 249.678	473.929	475.882	481.101
Ba 389.178	4748.12	4738.81	4743.67
Be 313.042	484.883	481.819	485.639
Ca 370.602	4586	4589	4599
Cd 226.502	479.432	481.234	484.098
Co 228.615	482.208	481.343	483.141
Cr 267.716	4785.35	4770.36	4794.43
Cu 324.754	4979.63	4929.09	4958.57
Fe 271.441	4775.13	4766.41	4792.46
K 766.491	9904.91	9870.28	9898.18
Mg 279.078	4748.81	4756.42	4792.45
Mn 257.610	4854.79	4856.71	4884.74
Mo 202.032	475.460	477.157	482.929
Na 330.237	7620.22	7515.22	7498.85
Ni 231.604	2413.27	2425.32	2439.30
Pb 220.353	483.293	481.591	482.925
Sb 206.834	896.982	907.741	906.228
Se 196.026	4800.83	4828.42	4833.45
Sn 189.925	4753.05	4773.42	4835.83
Sr 216.596	2389.19	2396.59	2407.39
Ti 334.941	468.678	467.041	468.964
Tl 190.794	4784.56	4805.01	4828.86
V 292.401	4757.56	4747.85	4765.96
Zn 206.200	2385.91	2395.23	2408.37

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Ag 328.068	481.117	ppb	0.9778	0.2	37157.0	96.22346
Al 308.215	4758.47	ppb	32.7437	0.7	32381.8	95.16940
As 188.980	449.346	ppb	4.1055	0.9	238.559	89.86913Q
B 249.678	476.971	ppb	3.7081	0.8	7249.89	95.39412
Ba 389.178	4743.54	ppb	4.6558	0.1	96174.4	94.87071
Be 313.042	484.114	ppb	2.0227	0.4	787978	96.82272
Ca 370.602	4591	ppb	7.122	0.2	10882	91.82449
Cd 226.502	481.588	ppb	2.3527	0.5	18053.6	96.31760
Co 228.615	482.231	ppb	0.8994	0.2	5030.91	96.44620
Cr 267.716	4783.38	ppb	12.1552	0.3	237366	95.66763
Cu 324.754	4955.76	ppb	25.3837	0.5	347783	99.11523
Fe 271.441	4778.00	ppb	13.2630	0.3	6831.55	95.56003
K 766.491	9891.13	ppb	18.3619	0.2	423449	98.91125
Mg 279.078	4765.89	ppb	23.3119	0.5	11505.4	95.31781
Mn 257.610	4865.42	ppb	16.7660	0.3	1006217	97.30833
Mo 202.032	478.515	ppb	3.9155	0.8	2962.56	95.70303
Na 330.237	7544.76	ppb	65.8568	0.9	321.236	100.59682
Ni 231.604	2425.96	ppb	13.0238	0.5	6714.84	97.03850
Pb 220.353	482.603	ppb	0.8955	0.2	691.796	96.52068
Sb 206.834	903.650	ppb	5.8240	0.6	1237.30	90.36503
Se 196.026	4820.90	ppb	17.5618	0.4	1859.83	96.41794
Sn 189.925	4787.43	ppb	43.1333	0.9	3142.29	95.74861
Sr 216.596	2397.72	ppb	9.1492	0.4	26140.8	95.90896
Ti 334.941	468.228	ppb	1.0379	0.2	129871	93.64556
Tl 190.794	4806.14	ppb	22.1736	0.5	4700.80	96.12285
V 292.401	4757.12	ppb	9.0663	0.2	123013	95.14249
Zn 206.200	2396.50	ppb	11.2874	0.5	2150.57	95.86013

Cont Calib Blank (CCB) **10/16/2014, 10:52:16 AM** **Rack 4, Tube 26**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Replicates Concentration		
Ag 328.068	-0.2113u	0.1803	0.0987
Al 308.215	4.5297	3.5411	3.2863
As 188.980	8.4158	4.5941	5.7455
B 249.678	7.9614	7.3317	6.2508
Ba 389.178	0.5965	0.5775	0.5063
Be 313.042	0.0425	0.0471	0.0497
Ca 370.602	-0.1630u	9.914	2.177
Cd 226.502	0.2056	0.0425	-0.1490u
Co 228.615	-0.3043u	0.1376	0.2142
Cr 267.716	0.5911	0.5587	0.5255
Cu 324.754	0.8569	0.8162	0.6178
Fe 271.441	5.7526	0.6803	-3.7415u
K 766.491	0.9026	0.5017	0.1112
Mg 279.078	-1.0068u	-2.1120u	-1.1508u
Mn 257.610	0.8535	0.8008	0.7740
Mo 202.032	1.1058	0.5598	0.5106
Na 330.237	-61.2055u	-30.9012u	21.4692
Ni 231.604	0.8595	0.8970	1.3080
Pb 220.353	2.8762	-1.7495u	-0.6810u
Sb 206.834	5.4206	4.0071	3.6370
Se 196.026	9.4102	8.6009	11.9044
Sn 189.925	2.6287	2.8032	3.3908
Sr 216.596	0.2703	0.7148	0.4414
Ti 334.941	0.1572	0.0733	0.1117
Tl 190.794	3.1187	2.3967	4.5982
V 292.401	0.7683	0.6844	0.7787
Zn 206.200	1.4224	1.5894	-0.6386u

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Ag 328.068	0.0226	ppb	0.2066	915.1	-8.7274	0.02258
Al 308.215	3.7857	ppb	0.6568	17.3	419.532	3.78570
As 188.980	6.2518	ppb	1.9605	31.4	0.9419	6.25179
B 249.678	7.1813	ppb	0.8652	12.0	144.113	7.18130
Ba 389.178	0.5601	ppb	0.0476	8.5	-39.4174	0.56011
Be 313.042	0.0464	ppb	0.0037	7.9	-241.492	0.04644
Ca 370.602	3.976	ppb	5.274	132.6	20.35	3.97622
Cd 226.502	0.0331	ppb	0.1775	536.7	14.4519	0.03307
Co 228.615	0.0158	ppb	0.2799	1769.7	3.3002	0.01582
Cr 267.716	0.5584	ppb	0.0328	5.9	58.8375	0.55844
Cu 324.754	0.7636	ppb	0.1279	16.7	303.470	0.76364
Fe 271.441	0.8971	ppb	4.7508	529.6	8.0968	0.89711
K 766.491	0.5052	ppb	0.3957	78.3	346.693	0.50518
Mg 279.078	-1.4232	ppb	0.6009	42.2	15.4579	-1.42319
Mn 257.610	0.8094	ppb	0.0404	5.0	208.089	0.80942
Mo 202.032	0.7254	ppb	0.3303	45.5	10.7637	0.72540
Na 330.237	-23.5458	ppb	41.8253	177.6	20.9059	-23.54583
Ni 231.604	1.0215	ppb	0.2489	24.4	-1.9468	1.02149
Pb 220.353	0.1486	ppb	2.4219	1630.2	0.6470	0.14856
Sb 206.834	4.3549	ppb	0.9413	21.6	6.8595	4.35490
Se 196.026	9.9718	ppb	1.7219	17.3	6.5795	9.97182
Sn 189.925	2.9409	ppb	0.3993	13.6	-3.4392	2.94091
Sr 216.596	0.4755	ppb	0.2242	47.2	7.5458	0.47550

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Ti 334.941	0.1141	ppb	0.0420	36.8	-30.2161	0.11407
Tl 190.794	3.3712	ppb	1.1223	33.3	-2.6673	3.37121
V 292.401	0.7438	ppb	0.0517	6.9	12.0480	0.74379
Zn 206.200	0.7911	ppb	1.2409	156.9	1.9186	0.79105

680-106200-b-45-a (Samp) **10/16/2014, 10:56:35 AM** **Rack 4, Tube 27**

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

Label	Replicates Concentration		
Ag 328.068	-0.7879u	-0.2278	-0.6402u
Al 308.215	11950.2	11879.5	11798.3
As 188.980	37.6167	38.6914	44.5413
B 249.678	9.9392	10.2648	9.7011
Ba 389.178	1284.90	1273.11	1267.04
Be 313.042	1.6360	1.6152	1.6016
Ca 370.602	26517	26472	26369
Cd 226.502	0.0739	0.0873	0.3043
Co 228.615	36.6638	36.9085	37.6833
Cr 267.716	39.5844	39.2872	39.3753
Cu 324.754	41.8034	41.0100	40.8459
Fe 271.441	58956.7	58452.1	58121.2
K 766.491	1091.29	1079.54	1072.30
Mg 279.078	8756.07	8709.91	8657.09
Mn 257.610	12432.4	12316.0	12240.2
Mo 202.032	9.0690	8.7504	8.8878
Na 330.237	-46.5025u	-34.1020u	207.190u
Ni 231.604	26.1465	26.2338	26.7773
Pb 220.353	113.552	117.050	114.041
Sb 206.834	3.8299	2.3600	-0.2195
Se 196.026	0.2589	-3.7401	5.8290
Sn 189.925	5.2193	11.6997	7.5824
Sr 216.596	55.4930	54.6568	53.7576
Ti 334.941	195.467	193.620	192.525
Tl 190.794	4.0335	-1.0711u	0.6955u
V 292.401	49.1727	49.2083	48.5015
Zn 206.200	215.507	215.100	214.627

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.5520	ppb	0.2903	52.6	-5.4444
Al 308.215	11876.0	ppb	76.0246	0.6	79085.4
As 188.980	40.2831	ppb	3.7266	9.3	18.9860
B 249.678	9.9684	ppb	0.2830	2.8	62.4866
Ba 389.178	1275.02	ppb	9.0826	0.7	25848.8
Be 313.042	1.6176	ppb	0.0173	1.1	2321.76
Ca 370.602	26452	ppb	75.76	0.3	60912
Cd 226.502	0.1552	ppb	0.1294	83.4	229.866
Co 228.615	37.0852	ppb	0.5322	1.4	396.742
Cr 267.716	39.4156	ppb	0.1526	0.4	2068.45
Cu 324.754	41.2198	ppb	0.5120	1.2	3164.94
Fe 271.441	58510.0	ppb	420.749	0.7	82408.5
K 766.491	1081.05	ppb	9.5850	0.9	46570.3
Mg 279.078	8707.69	ppb	49.5290	0.6	20940.6
Mn 257.610	12329.5	ppb	96.8323	0.8	2549910
Mo 202.032	8.9024	ppb	0.1598	1.8	58.8017

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Na 330.237	42.1951	ppb	143.024	339.0	4.4285
Ni 231.604	26.3859	ppb	0.3418	1.3	72.7392
Pb 220.353	114.881	ppb	1.8941	1.6	162.765
Sb 206.834	1.9901	ppb	2.0499	103.0	5.8097
Se 196.026	0.7826	ppb	4.8060	614.1	5.8835
Sn 189.925	8.1672	ppb	3.2795	40.2	-0.0031
Sr 216.596	54.6358	ppb	0.8679	1.6	671.540
Ti 334.941	193.871	ppb	1.4870	0.8	53755.4
Tl 190.794	1.2193	ppb	2.5923	212.6	-6.0410
V 292.401	48.9608	ppb	0.3982	0.8	1282.78
Zn 206.200	215.078	ppb	0.4406	0.2	192.885

680-106200-a-59-a (Samp) **10/16/2014, 11:00:54 AM** **Rack 4, Tube 28**

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

Label	Replicates Concentration		
Ag 328.068	-0.6168u	-0.4736u	-0.2671u
Al 308.215	16156.3	15761.5	15394.0
As 188.980	51.1813	56.6793	49.5539
B 249.678	4.6613u	4.7664u	4.9697u
Ba 389.178	290.814	284.430	278.372
Be 313.042	2.0315	1.9816	1.9277
Ca 370.602	6175	6042	5914
Cd 226.502	-0.4565	-0.5100	-0.7958
Co 228.615	29.0673	28.7378	27.3291
Cr 267.716	62.2169	60.7912	59.4095
Cu 324.754	14.8966	15.2653	15.0762
Fe 271.441	85865.7	83744.1	81794.0
K 766.491	890.033	871.799	852.564
Mg 279.078	1596.09	1556.99	1522.91
Mn 257.610	4707.08	4599.31	4500.37
Mo 202.032	2.8771	3.0950	2.4269
Na 330.237	86.0311u	30.1890u	46.6253u
Ni 231.604	13.8414	11.6343	13.8624
Pb 220.353	67.8431	67.2327	66.8952
Sb 206.834	0.7364	-1.3289	1.0862
Se 196.026	9.4497	4.2678	8.2255
Sn 189.925	5.5287	5.3434	5.4787
Sr 216.596	27.2626	26.6008	24.6664
Ti 334.941	123.329	120.464	117.756
Tl 190.794	-0.1505u	-2.6622u	0.3398u
V 292.401	100.543	98.2825	95.9979
Zn 206.200	110.644	105.495	103.411

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.4525	ppb	0.1758	38.8	-37.3868
Al 308.215	15770.6	ppb	381.218	2.4	104904
As 188.980	52.4715	ppb	3.7338	7.1	25.4247
B 249.678	4.7991	ppb	0.1568	3.3	-69.1173
Ba 389.178	284.539	ppb	6.2219	2.2	5764.35
Be 313.042	1.9802	ppb	0.0519	2.6	2910.73
Ca 370.602	6043	ppb	130.5	2.2	13297
Cd 226.502	-0.5874	ppb	0.1824	31.1	292.948
Co 228.615	28.3781	ppb	0.9233	3.3	306.371

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Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Cr 267.716	60.8058	ppb	1.4038	2.3	3105.60
Cu 324.754	15.0794	ppb	0.1844	1.2	1341.16
Fe 271.441	83801.3	ppb	2036.47	2.4	118024
K 766.491	871.465	ppb	18.7366	2.2	37604.8
Mg 279.078	1558.66	ppb	36.6209	2.3	3714.71
Mn 257.610	4602.26	ppb	103.383	2.2	952001
Mo 202.032	2.7997	ppb	0.3407	12.2	19.9013
Na 330.237	54.2818	ppb	28.6976	52.9	1.9018
Ni 231.604	13.1127	ppb	1.2804	9.8	37.9344
Pb 220.353	67.3237	ppb	0.4805	0.7	91.9793
Sb 206.834	0.1645	ppb	1.3052	793.2	4.4867
Se 196.026	7.3143	ppb	2.7084	37.0	7.0892
Sn 189.925	5.4503	ppb	0.0958	1.8	-1.7895
Sr 216.596	26.1766	ppb	1.3491	5.2	380.969
Ti 334.941	120.516	ppb	2.7870	2.3	33392.0
Tl 190.794	-0.8243	ppb	1.6104	195.4	-14.5872
V 292.401	98.2743	ppb	2.2724	2.3	2568.83
Zn 206.200	106.517	ppb	3.7227	3.5	93.9173

mb 680-353770/1-a (Samp) **10/16/2014, 11:05:14 AM** **Rack 4, Tube 29**

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

Label	Replicates Concentration		
Ag 328.068	-0.0808u	-0.0486u	-0.1796u
Al 308.215	5.0084	6.3421	6.8416
As 188.980	6.1714	-1.2142u	3.0811
B 249.678	1.2302	1.3072	0.6787
Ba 389.178	0.1675	0.5451	0.4514
Be 313.042	0.0040	-0.0004u	-0.0000
Ca 370.602	15.98	14.22	12.75
Cd 226.502	0.0001	0.0989	0.0968
Co 228.615	-0.2410u	0.0603	0.8956
Cr 267.716	0.4802	0.5711	0.4488
Cu 324.754	0.2825	0.3139	0.3735
Fe 271.441	18.6186	19.3539	16.8268
K 766.491	6.7698	6.2415	6.2015
Mg 279.078	1.6477	4.2132	1.2619
Mn 257.610	0.5350	0.6392	0.5516
Mo 202.032	0.3257	-0.2836u	-0.1202u
Na 330.237	-176.243u	54.0470	-47.0827u
Ni 231.604	1.4488	0.9725	1.0146
Pb 220.353	1.2548	0.1517	3.1766
Sb 206.834	0.7838	1.3078	-0.7424u
Se 196.026	-3.7439u	-0.6780u	3.0173
Sn 189.925	10.3808	12.0719	12.1607
Sr 216.596	-0.4555u	0.3233	0.1240
Ti 334.941	0.2233	0.2385	0.1932
Tl 190.794	2.0923	-2.2052u	1.6077
V 292.401	-0.1590u	0.0137	0.0185
Zn 206.200	1.2261	2.8647	1.9098

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.1030	ppb	0.0682	66.2	-18.4250
Al 308.215	6.0640	ppb	0.9477	15.6	434.504

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
As 188.980	2.6794	ppb	3.7092	138.4	-0.9745
B 249.678	1.0720	ppb	0.3428	32.0	51.6486
Ba 389.178	0.3880	ppb	0.1966	50.7	-42.9017
Be 313.042	0.0012	ppb	0.0024	202.4	-315.090
Ca 370.602	14.32	ppb	1.619	11.3	44.12
Cd 226.502	0.0653	ppb	0.0565	86.5	15.7181
Co 228.615	0.2383	ppb	0.5888	247.1	5.6365
Cr 267.716	0.5000	ppb	0.0636	12.7	55.9548
Cu 324.754	0.3233	ppb	0.0462	14.3	272.571
Fe 271.441	18.2664	ppb	1.2999	7.1	32.5806
K 766.491	6.4043	ppb	0.3172	5.0	599.045
Mg 279.078	2.3743	ppb	1.6042	67.6	24.6876
Mn 257.610	0.5753	ppb	0.0560	9.7	159.735
Mo 202.032	-0.0260	ppb	0.3154	1210.8	6.1137
Na 330.237	-56.4261	ppb	115.429	204.6	19.2906
Ni 231.604	1.1453	ppb	0.2637	23.0	-1.6031
Pb 220.353	1.5277	ppb	1.5308	100.2	2.6134
Sb 206.834	0.4498	ppb	1.0651	236.8	1.7288
Se 196.026	-0.4682	ppb	3.3855	723.1	2.5601
Sn 189.925	11.5378	ppb	1.0030	8.7	2.2131
Sr 216.596	-0.0027	ppb	0.4046	14768.9	2.3622
Ti 334.941	0.2183	ppb	0.0231	10.6	-1.2833
Tl 190.794	0.4983	ppb	2.3538	472.4	-5.4758
V 292.401	-0.0423	ppb	0.1011	239.1	-8.1802
Zn 206.200	2.0002	ppb	0.8230	41.1	3.0090

lcs 680-353770/2-a (Samp) **10/16/2014, 11:09:33 AM** **Rack 4, Tube 30**

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

Label	Replicates Concentration		
Ag 328.068	47.5956	47.2594	47.3353
Al 308.215	4740.57	4727.18	4742.05
As 188.980	104.411	105.223	107.461
B 249.678	183.648	183.395	184.576
Ba 389.178	94.7787	95.2197	94.3465
Be 313.042	49.5845	49.3566	49.5740
Ca 370.602	4593	4556	4567
Cd 226.502	48.8002	48.6657	48.8965
Co 228.615	48.5307	48.4796	48.8018
Cr 267.716	97.5114	97.0967	97.1313
Cu 324.754	98.5262	99.1371	99.6491
Fe 271.441	4807.58	4771.19	4811.32
K 766.491	4971.60	4947.47	4974.42
Mg 279.078	4711.82	4702.84	4704.69
Mn 257.610	503.344	500.164	501.880
Mo 202.032	95.1502	95.1341	94.8578
Na 330.237	4900.71	4636.20	4592.69
Ni 231.604	97.6479	97.0819	96.0070
Pb 220.353	480.894	476.676	480.229
Sb 206.834	45.9577	40.7812	46.2130
Se 196.026	102.383	103.281	101.223
Sn 189.925	195.707	195.489	198.281
Sr 216.596	95.6565	94.3334	94.7348
Ti 334.941	95.8773	95.5156	95.9907

Label	Replicates Concentration		
Tl 190.794	42.4806	35.8026	37.2309
V 292.401	96.2598	96.1660	95.7717
Zn 206.200	102.019	96.1432	97.1893

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	47.3968	ppb	0.1763	0.4	3654.04
Al 308.215	4736.60	ppb	8.1921	0.2	31760.5
As 188.980	105.698	ppb	1.5797	1.5	54.2858
B 249.678	183.873	ppb	0.6216	0.3	2806.24
Ba 389.178	94.7816	ppb	0.4366	0.5	1880.50
Be 313.042	49.5050	ppb	0.1286	0.3	80268.9
Ca 370.602	4572	ppb	18.66	0.4	10579
Cd 226.502	48.7875	ppb	0.1159	0.2	1856.37
Co 228.615	48.6040	ppb	0.1731	0.4	509.309
Cr 267.716	97.2464	ppb	0.2301	0.2	4859.98
Cu 324.754	99.1041	ppb	0.5622	0.6	7205.04
Fe 271.441	4796.69	ppb	22.1688	0.5	6768.04
K 766.491	4964.49	ppb	14.8140	0.3	212697
Mg 279.078	4706.45	ppb	4.7400	0.1	11442.3
Mn 257.610	501.796	ppb	1.5916	0.3	103856
Mo 202.032	95.0474	ppb	0.1643	0.2	594.160
Na 330.237	4709.87	ppb	166.697	3.5	243.431
Ni 231.604	96.9122	ppb	0.8335	0.9	263.950
Pb 220.353	479.266	ppb	2.2678	0.5	683.481
Sb 206.834	44.3173	ppb	3.0650	6.9	59.2655
Se 196.026	102.296	ppb	1.0316	1.0	42.2594
Sn 189.925	196.492	ppb	1.5527	0.8	123.819
Sr 216.596	94.9083	ppb	0.6784	0.7	1042.75
Ti 334.941	95.7945	ppb	0.2481	0.3	26527.6
Tl 190.794	38.5047	ppb	3.5165	9.1	31.3091
V 292.401	96.0658	ppb	0.2591	0.3	2466.55
Zn 206.200	98.4504	ppb	3.1342	3.2	89.5867

680-106222-c-1-a (Samp) **10/16/2014, 11:13:52 AM** **Rack 4, Tube 31**

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

Label	Replicates Concentration		
Ag 328.068	1.2239	1.5826	0.9449
Al 308.215	43061.1	43011.5	43108.4
As 188.980	31.6531	19.6960	28.4742
B 249.678	18.9681	19.1646	19.3201
Ba 389.178	426.357	428.326	427.953
Be 313.042	1.7311	1.7259	1.7336
Ca 370.602	58514	58889	58836
Cd 226.502	5.5951	5.1336	5.5542
Co 228.615	4.8941	5.4936	4.3501
Cr 267.716	43.3648	43.4574	43.7955
Cu 324.754	82.9743	81.4307	82.0426
Fe 271.441	4825.45	4825.55	4813.53
K 766.491	2503.10	2494.49	2489.67
Mg 279.078	3958.93	3968.86	3974.15
Mn 257.610	1202.11	1204.41	1204.26
Mo 202.032	5.4661	5.6241	6.1870
Na 330.237	7821.74	7576.00	7721.47

Label	Replicates Concentration		
Ni 231.604	39.9783	38.9910	39.8127
Pb 220.353	25.9385	24.5531	27.4213
Sb 206.834	4.0275	2.4893	3.9233
Se 196.026	20.3768	17.0494	18.4015
Sn 189.925	17.1837	19.3082	16.5454
Sr 216.596	213.271	213.226	214.953
Ti 334.941	271.625	271.959	273.064
Tl 190.794	-0.3662u	1.9101	0.7669
V 292.401	117.552	118.131	117.952
Zn 206.200	616.689	614.896	623.721

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	1.2504	ppb	0.3197	25.6	84.7702
Al 308.215	43060.3	ppb	48.4426	0.1	285358
As 188.980	26.6078	ppb	6.1932	23.3	12.1983
B 249.678	19.1509	ppb	0.1764	0.9	314.910
Ba 389.178	427.545	ppb	1.0459	0.2	8628.11
Be 313.042	1.7302	ppb	0.0039	0.2	2525.79
Ca 370.602	58746	ppb	203.1	0.3	135891
Cd 226.502	5.4276	ppb	0.2554	4.7	233.692
Co 228.615	4.9126	ppb	0.5719	11.6	59.8751
Cr 267.716	43.5392	ppb	0.2267	0.5	2199.07
Cu 324.754	82.1492	ppb	0.7773	0.9	6012.11
Fe 271.441	4821.51	ppb	6.9115	0.1	6798.30
K 766.491	2495.75	ppb	6.8045	0.3	107089
Mg 279.078	3967.31	ppb	7.7269	0.2	9620.57
Mn 257.610	1203.59	ppb	1.2853	0.1	248977
Mo 202.032	5.7591	ppb	0.3790	6.6	41.5902
Na 330.237	7706.40	ppb	123.561	1.6	373.338
Ni 231.604	39.5940	ppb	0.5287	1.3	105.281
Pb 220.353	25.9710	ppb	1.4344	5.5	36.7548
Sb 206.834	3.4800	ppb	0.8596	24.7	6.2353
Se 196.026	18.6092	ppb	1.6734	9.0	10.1752
Sn 189.925	17.6791	ppb	1.4465	8.2	6.2530
Sr 216.596	213.817	ppb	0.9840	0.5	2363.87
Ti 334.941	272.216	ppb	0.7532	0.3	75481.8
Tl 190.794	0.7703	ppb	1.1382	147.8	-5.0684
V 292.401	117.878	ppb	0.2965	0.3	3050.81
Zn 206.200	618.436	ppb	4.6648	0.8	558.841

680-106222-c-1-aSD (Samp) **10/16/2014, 11:18:12 AM** **Rack 4, Tube 32**

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

Label	Replicates Concentration		
Ag 328.068	0.2814	0.1368	0.1473
Al 308.215	8245.66	8284.41	8400.87
As 188.980	8.3423	9.1298	14.3919
B 249.678	4.2467	4.1905	4.7079
Ba 389.178	84.9659	86.0393	85.7766
Be 313.042	0.3315	0.3233	0.3301
Ca 370.602	11551	11642	11699
Cd 226.502	1.1709	1.0398	1.2142
Co 228.615	0.8011	0.6790	1.1074
Cr 267.716	8.6566	8.6366	8.8434

Label	Replicates Concentration		
Cu 324.754	16.5978	16.0757	16.7179
Fe 271.441	955.689	963.960	969.837
K 766.491	468.362	471.999	475.985
Mg 279.078	792.763	789.528	801.318
Mn 257.610	239.088	240.834	242.904
Mo 202.032	1.4111	0.7139	1.1874
Na 330.237	1499.63	1396.88	1292.49
Ni 231.604	8.6015	8.8280	8.1759
Pb 220.353	5.1215	5.6304	4.2890
Sb 206.834	-0.7758u	-0.2929u	2.3632
Se 196.026	9.7988	-10.0868u	5.6346
Sn 189.925	5.0196	3.8311	4.7550
Sr 216.596	41.4155	41.7284	42.4501
Ti 334.941	53.6168	53.9442	54.4953
Tl 190.794	0.2880	-1.5861u	1.5406
V 292.401	22.8252	23.3400	23.5800
Zn 206.200	124.749	124.501	126.188

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	0.1885	ppb	0.0806	42.8	3.8553
Al 308.215	8310.31	ppb	80.7810	1.0	55390.3
As 188.980	10.6213	ppb	3.2890	31.0	3.3509
B 249.678	4.3817	ppb	0.2839	6.5	99.7184
Ba 389.178	85.5939	ppb	0.5595	0.7	1686.71
Be 313.042	0.3283	ppb	0.0044	1.3	222.493
Ca 370.602	11631	ppb	74.79	0.6	26912
Cd 226.502	1.1416	ppb	0.0908	8.0	59.3766
Co 228.615	0.8625	ppb	0.2207	25.6	13.2300
Cr 267.716	8.7122	ppb	0.1141	1.3	464.924
Cu 324.754	16.4638	ppb	0.3414	2.1	1404.72
Fe 271.441	963.162	ppb	7.1075	0.7	1363.50
K 766.491	472.115	ppb	3.8130	0.8	20521.3
Mg 279.078	794.536	ppb	6.0920	0.8	1941.99
Mn 257.610	240.942	ppb	1.9104	0.8	49874.2
Mo 202.032	1.1041	ppb	0.3560	32.2	13.0441
Na 330.237	1396.33	ppb	103.568	7.4	85.3686
Ni 231.604	8.5351	ppb	0.3311	3.9	18.9416
Pb 220.353	5.0136	ppb	0.6771	13.5	7.4465
Sb 206.834	0.4315	ppb	1.6902	391.7	1.7988
Se 196.026	1.7822	ppb	10.4876	588.5	3.4800
Sn 189.925	4.5352	ppb	0.6239	13.8	-2.3906
Sr 216.596	41.8647	ppb	0.5306	1.3	464.720
Ti 334.941	54.0188	ppb	0.4440	0.8	14929.1
Tl 190.794	0.0809	ppb	1.5736	1945.8	-5.8549
V 292.401	23.2484	ppb	0.3856	1.7	596.009
Zn 206.200	125.146	ppb	0.9111	0.7	114.050

680-106222-c-1-aPDS (Samp) **10/16/2014, 11:22:31 AM** **Rack 4, Tube 33**

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

Label	Replicates Concentration		
Ag 328.068	94.3505	94.8417	92.4733
Al 308.215	43892.8	43858.2	43827.1
As 188.980	138.285	135.867	131.663

Label	Replicates Concentration		
B 249.678	215.236	214.721	210.407
Ba 389.178	508.095	506.089	504.729
Be 313.042	102.982	101.700	99.2007
Ca 370.602	68426	68534	68207
Cd 226.502	104.592	103.550	101.218
Co 228.615	105.193	103.708	102.620
Cr 267.716	142.158	141.129	138.267
Cu 324.754	188.147	186.488	184.751
Fe 271.441	14706.3	14599.7	14314.6
K 766.491	13676.0	13615.1	13320.5
Mg 279.078	13976.5	13839.3	13610.4
Mn 257.610	2242.87	2233.61	2205.29
Mo 202.032	105.347	104.766	102.268
Na 330.237	17032.5	17174.3	16656.5
Ni 231.604	139.690	138.942	135.948
Pb 220.353	122.932	121.965	119.959
Sb 206.834	102.666	99.9714	95.6953
Se 196.026	115.364	109.034	115.070
Sn 189.925	117.493	117.685	110.704
Sr 216.596	308.242	306.586	304.500
Ti 334.941	366.142	365.265	362.851
Tl 190.794	19.3631	21.7361	17.1507
V 292.401	219.114	217.821	214.621
Zn 206.200	706.937	707.924	704.993

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	93.8885	ppb	1.2500	1.3	7249.93
Al 308.215	43859.4	ppb	32.8470	0.1	290677
As 188.980	135.272	ppb	3.3511	2.5	70.4274
B 249.678	213.455	ppb	2.6518	1.2	3233.77
Ba 389.178	506.305	ppb	1.6931	0.3	10243.4
Be 313.042	101.294	ppb	1.9228	1.9	164606
Ca 370.602	68389	ppb	166.8	0.2	158141
Cd 226.502	103.120	ppb	1.7277	1.7	3924.69
Co 228.615	103.840	ppb	1.2912	1.2	1090.43
Cr 267.716	140.518	ppb	2.0159	1.4	7018.63
Cu 324.754	186.462	ppb	1.6981	0.9	13334.7
Fe 271.441	14540.2	ppb	202.533	1.4	20496.4
K 766.491	13537.2	ppb	190.120	1.4	579421
Mg 279.078	13808.7	ppb	184.976	1.3	33511.2
Mn 257.610	2227.26	ppb	19.5790	0.9	460762
Mo 202.032	104.127	ppb	1.6355	1.6	649.810
Na 330.237	16954.4	ppb	267.577	1.6	810.778
Ni 231.604	138.193	ppb	1.9801	1.4	378.944
Pb 220.353	121.619	ppb	1.5166	1.2	172.612
Sb 206.834	99.4443	ppb	3.5152	3.5	132.566
Se 196.026	113.156	ppb	3.5723	3.2	46.8476
Sn 189.925	115.294	ppb	3.9764	3.4	70.4359
Sr 216.596	306.442	ppb	1.8750	0.6	3385.99
Ti 334.941	364.753	ppb	1.7044	0.5	101176
Tl 190.794	19.4166	ppb	2.2932	11.8	12.5673
V 292.401	217.185	ppb	2.3130	1.1	5609.80
Zn 206.200	706.618	ppb	1.4914	0.2	637.773

680-106222-c-1-b ms (Samp) **10/16/2014, 11:26:51 AM** **Rack 4, Tube 34**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Replicates Concentration		
Ag 328.068	50.3192	50.6361	50.4981
Al 308.215	49068.9	49083.4	49183.9
As 188.980	133.237	129.539	134.592
B 249.678	191.303	192.537	192.465
Ba 389.178	526.998	527.883	529.128
Be 313.042	52.8007	52.7484	52.8259
Ca 370.602	63567	63684	63236
Cd 226.502	54.6898	54.6066	54.3972
Co 228.615	56.0225	55.3715	54.6072
Cr 267.716	142.425	142.764	142.392
Cu 324.754	186.505	187.908	188.297
Fe 271.441	10482.7	10476.0	10508.6
K 766.491	8345.24	8343.78	8364.41
Mg 279.078	8893.60	8903.93	8899.05
Mn 257.610	1713.51	1713.39	1713.99
Mo 202.032	99.6995	99.5403	99.3843
Na 330.237	12589.4	12722.5	12584.8
Ni 231.604	138.642	139.342	140.085
Pb 220.353	505.408	509.353	508.977
Sb 206.834	39.7478	37.3076	44.0703
Se 196.026	107.502	106.436	108.535
Sn 189.925	208.637	200.598	205.121
Sr 216.596	311.339	310.302	309.377
Ti 334.941	404.791	404.894	405.917
Tl 190.794	42.9431	37.5147	31.6074
V 292.401	214.080	214.767	213.768
Zn 206.200	710.558	713.580	711.953

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	50.4845	ppb	0.1589	0.3	3891.24
Al 308.215	49112.0	ppb	62.6225	0.1	325428
As 188.980	132.456	ppb	2.6153	2.0	68.9837
B 249.678	192.102	ppb	0.6925	0.4	2918.65
Ba 389.178	528.003	ppb	1.0703	0.2	10675.2
Be 313.042	52.7917	ppb	0.0396	0.1	85645.7
Ca 370.602	63496	ppb	232.2	0.4	146873
Cd 226.502	54.5646	ppb	0.1508	0.3	2092.98
Co 228.615	55.3337	ppb	0.7084	1.3	585.758
Cr 267.716	142.527	ppb	0.2060	0.1	7114.79
Cu 324.754	187.570	ppb	0.9425	0.5	13410.6
Fe 271.441	10489.1	ppb	17.2164	0.2	14786.2
K 766.491	8351.14	ppb	11.5105	0.1	357572
Mg 279.078	8898.86	ppb	5.1646	0.1	21590.4
Mn 257.610	1713.63	ppb	0.3177	0.0	354501
Mo 202.032	99.5414	ppb	0.1576	0.2	621.609
Na 330.237	12632.2	ppb	78.2219	0.6	604.890
Ni 231.604	139.356	ppb	0.7215	0.5	381.964
Pb 220.353	507.913	ppb	2.1776	0.4	723.533
Sb 206.834	40.3752	ppb	3.4247	8.5	54.6552
Se 196.026	107.491	ppb	1.0494	1.0	44.5368
Sn 189.925	204.785	ppb	4.0302	2.0	129.274
Sr 216.596	310.339	ppb	0.9813	0.3	3422.61

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ti 334.941	405.201	ppb	0.6227	0.2	112391
Tl 190.794	37.3551	ppb	5.6695	15.2	30.2343
V 292.401	214.205	ppb	0.5106	0.2	5532.25
Zn 206.200	712.030	ppb	1.5127	0.2	642.806

680-106222-c-1-c msd (Samp) **10/16/2014, 11:31:10 AM** **Rack 4, Tube 35**

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

Label	Replicates Concentration		
Ag 328.068	49.1308	49.2556	49.1683
Al 308.215	45184.7	45152.2	45088.0
As 188.980	131.059	130.982	128.573
B 249.678	193.349	192.746	193.538
Ba 389.178	489.171	488.369	489.634
Be 313.042	51.6548	51.6966	51.6255
Ca 370.602	57831	57974	57952
Cd 226.502	52.9780	53.1782	53.1926
Co 228.615	54.2949	54.2103	54.2903
Cr 267.716	137.048	136.919	137.257
Cu 324.754	177.078	178.812	176.589
Fe 271.441	9505.37	9509.29	9514.81
K 766.491	7986.33	7981.57	7968.69
Mg 279.078	8472.04	8456.20	8455.80
Mn 257.610	1597.06	1597.21	1598.64
Mo 202.032	98.3855	97.3002	98.2378
Na 330.237	12237.9	12294.2	12141.9
Ni 231.604	133.605	134.352	133.758
Pb 220.353	499.424	503.099	497.946
Sb 206.834	40.3202	39.2080	42.3898
Se 196.026	111.471	101.654	101.978
Sn 189.925	203.966	201.375	198.956
Sr 216.596	290.974	290.658	291.654
Ti 334.941	377.863	378.237	378.392
Tl 190.794	41.5499	34.0230	38.8355
V 292.401	202.904	201.942	202.803
Zn 206.200	660.070	658.921	656.546

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	49.1849	ppb	0.0640	0.1	3790.89
Al 308.215	45141.6	ppb	49.1820	0.1	299152
As 188.980	130.205	ppb	1.4140	1.1	67.7480
B 249.678	193.211	ppb	0.4139	0.2	2937.49
Ba 389.178	489.058	ppb	0.6399	0.1	9884.30
Be 313.042	51.6590	ppb	0.0357	0.1	83799.5
Ca 370.602	57919	ppb	76.61	0.1	133979
Cd 226.502	53.1163	ppb	0.1199	0.2	2035.28
Co 228.615	54.2652	ppb	0.0476	0.1	574.078
Cr 267.716	137.075	ppb	0.1704	0.1	6843.34
Cu 324.754	177.493	ppb	1.1681	0.7	12703.5
Fe 271.441	9509.83	ppb	4.7455	0.0	13406.9
K 766.491	7978.86	ppb	9.1227	0.1	341646
Mg 279.078	8461.34	ppb	9.2634	0.1	20530.9
Mn 257.610	1597.64	ppb	0.8738	0.1	330508
Mo 202.032	97.9745	ppb	0.5886	0.6	611966

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Na 330.237	12224.7	ppb	77.0232	0.6	587.040
Ni 231.604	133.905	ppb	0.3947	0.3	366.791
Pb 220.353	500.156	ppb	2.6530	0.5	712.571
Sb 206.834	40.6394	ppb	1.6147	4.0	54.9450
Se 196.026	105.034	ppb	5.5764	5.3	43.5616
Sn 189.925	201.433	ppb	2.5055	1.2	127.069
Sr 216.596	291.096	ppb	0.5091	0.2	3209.57
Ti 334.941	378.164	ppb	0.2721	0.1	104888
Tl 190.794	38.1361	ppb	3.8119	10.0	31.0478
V 292.401	202.550	ppb	0.5291	0.3	5229.93
Zn 206.200	658.512	ppb	1.7973	0.3	594.574

680-106225-c-4-b (Samp) **10/16/2014, 11:35:29 AM** **Rack 4, Tube 36**

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

Label	Replicates Concentration		
Ag 328.068	3.4894	4.6742	4.2918
Al 308.215	62960.0	62869.6	62963.9
As 188.980	243.610	248.857	245.912
B 249.678	68.9586u	68.6138u	69.5034u
Ba 389.178	1080.81	1083.78	1081.59
Be 313.042	5.7309	5.7196	5.7292
Ca 370.602	636523	636311	634412
Cd 226.502	36.9148	37.1126	38.2376
Co 228.615	82.8919	83.0072	83.9802
Cr 267.716	999.692	1000.57	1000.60
Cu 324.754	4819.61	4826.32	4847.32
Fe 271.441	605622	608351	610142
K 766.491	6331.90	6310.46	6323.65
Mg 279.078	49192.8	49224.7	49202.9
Mn 257.610	7003.09	7000.70	7000.51
Mo 202.032	141.426	142.765	142.807
Na 330.237	2171.39u	2123.22u	1782.32u
Ni 231.604	633.847	635.638	635.356
Pb 220.353	2173.72	2183.50	2178.70
Sb 206.834	32.1777	27.1409	26.3493
Se 196.026	6.0645	11.5799	5.3644
Sn 189.925	160.960	158.247	155.290
Sr 216.596	702.767	703.477	705.566
Ti 334.941	852.124	852.727	850.416
Tl 190.794	-22.3927u	-25.0404u	-17.9476u
V 292.401	180.548	180.375	180.113
Zn 206.200	6667.44	6679.34	6677.17

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	4.1518	ppb	0.6047	14.6	223.907
Al 308.215	62931.2	ppb	53.3967	0.1	417878
As 188.980	246.127	ppb	2.6301	1.1	126.896
B 249.678	69.0253	ppb	0.4485	0.6	-205.718
Ba 389.178	1082.06	ppb	1.5372	0.1	22264.0
Be 313.042	5.7265	ppb	0.0061	0.1	9182.50
Ca 370.602	635749	ppb	1162	0.2	1464134
Cd 226.502	37.4217	ppb	0.7135	1.9	3603.23
Co 228.615	83.2931	ppb	0.5978	0.7	923.661

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Cr 267.716	1000.29	ppb	0.5153	0.1	49967.6
Cu 324.754	4831.09	ppb	14.4543	0.3	339341
Fe 271.441	608038	ppb	2276.39	0.4	856293
K 766.491	6322.00	ppb	10.8138	0.2	270769
Mg 279.078	49206.8	ppb	16.3003	0.0	119415
Mn 257.610	7001.43	ppb	1.4400	0.0	1449992
Mo 202.032	142.332	ppb	0.7854	0.6	860.765
Na 330.237	2025.65	ppb	212.097	10.5	-193.643
Ni 231.604	634.947	ppb	0.9631	0.2	1800.73
Pb 220.353	2178.64	ppb	4.8911	0.2	3070.75
Sb 206.834	28.5560	ppb	3.1614	11.1	65.5544
Se 196.026	7.6696	ppb	3.4045	44.4	11.6955
Sn 189.925	158.166	ppb	2.8361	1.8	98.6176
Sr 216.596	703.937	ppb	1.4549	0.2	8559.97
Ti 334.941	851.756	ppb	1.1984	0.1	236439
Tl 190.794	-21.7936	ppb	3.5841	16.4	-97.6171
V 292.401	180.345	ppb	0.2191	0.1	4833.57
Zn 206.200	6674.65	ppb	6.3345	0.1	5996.86

Cont Calib Verif (CCV) **10/16/2014, 11:39:48 AM** **Rack 4, Tube 37**

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

Label	Replicates Concentration		
Ag 328.068	480.876	478.030	475.809
Al 308.215	4802.17	4777.16	4786.24
As 188.980	455.304	459.480	463.505
B 249.678	481.578	480.074	483.603
Ba 389.178	4760.45	4735.20	4737.00
Be 313.042	487.594	484.305	486.018
Ca 370.602	4733	4707	4697
Cd 226.502	484.585	482.258	482.203
Co 228.615	487.479	483.714	485.004
Cr 267.716	4828.92	4796.79	4798.00
Cu 324.754	4911.68	4934.10	4924.81
Fe 271.441	4877.20	4857.78	4847.33
K 766.491	9935.57	9889.74	9917.07
Mg 279.078	4812.67	4781.02	4787.09
Mn 257.610	4887.47	4881.11	4887.17
Mo 202.032	482.194	479.707	478.786
Na 330.237	7688.07	7493.63	7545.38
Ni 231.604	2446.24	2436.50	2431.33
Pb 220.353	485.594	478.039	482.402
Sb 206.834	901.910	902.621	904.672
Se 196.026	4836.99	4824.25	4826.11
Sn 189.925	4805.66	4809.52	4817.72
Sr 216.596	2408.57	2398.03	2395.99
Ti 334.941	471.973	468.432	469.794
Tl 190.794	4857.93	4824.00	4839.27
V 292.401	4793.73	4775.65	4773.65
Zn 206.200	2427.84	2409.43	2400.68

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Ag 328.068	478.238	ppb	2.5396	0.5	36934.8	95.64764
Al 308.215	4788.52	ppb	12.6612	0.3	32582.4	95.77050

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
As 188.980	459.430	ppb	4.1009	0.9	243.968	91.88594
B 249.678	481.752	ppb	1.7709	0.4	7322.02	96.35036
Ba 389.178	4744.22	ppb	14.0864	0.3	96188.4	94.88441
Be 313.042	485.972	ppb	1.6450	0.3	791005	97.19450
Ca 370.602	4712	ppb	18.16	0.4	11161	94.24798
Cd 226.502	483.016	ppb	1.3598	0.3	18107.2	96.60310
Co 228.615	485.399	ppb	1.9131	0.4	5063.90	97.07980
Cr 267.716	4807.90	ppb	18.2086	0.4	238583	96.15804
Cu 324.754	4923.53	ppb	11.2682	0.2	345522	98.47057
Fe 271.441	4860.77	ppb	15.1576	0.3	6948.44	97.21536
K 766.491	9914.13	ppb	23.0564	0.2	424433	99.14130
Mg 279.078	4793.59	ppb	16.7975	0.4	11572.6	95.87185
Mn 257.610	4885.25	ppb	3.5856	0.1	1010319	97.70496
Mo 202.032	480.229	ppb	1.7631	0.4	2973.15	96.04586
Na 330.237	7575.69	ppb	100.701	1.3	322.403	101.00921
Ni 231.604	2438.03	ppb	7.5733	0.3	6748.26	97.52100
Pb 220.353	482.012	ppb	3.7924	0.8	690.950	96.40234
Sb 206.834	903.068	ppb	1.4342	0.2	1236.57	90.30676
Se 196.026	4829.12	ppb	6.8779	0.1	1863.00	96.58234
Sn 189.925	4810.97	ppb	6.1566	0.1	3157.77	96.21934
Sr 216.596	2400.86	ppb	6.7536	0.3	26175.1	96.03459
Ti 334.941	470.067	ppb	1.7863	0.4	130381	94.01332
Tl 190.794	4840.40	ppb	16.9932	0.4	4734.30	96.80795
V 292.401	4781.01	ppb	11.0606	0.2	123632	95.62023
Zn 206.200	2412.65	ppb	13.8651	0.6	2165.12	96.50603

Cont Calib Blank (CCB) **10/16/2014, 11:44:08 AM** **Rack 4, Tube 38**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Replicates Concentration		
Ag 328.068	0.0041	0.1730	0.2375
Al 308.215	8.6918	7.2963	6.7167
As 188.980	4.8224	0.4691	4.1039
B 249.678	8.9730	7.5648	7.2169
Ba 389.178	0.8532	1.4756	0.1341
Be 313.042	0.0596	0.0630	0.0607
Ca 370.602	25.08	18.78	19.68
Cd 226.502	0.1709	0.1316	0.1656
Co 228.615	-0.0453u	-0.7006u	0.1977
Cr 267.716	0.8524	0.7329	0.7562
Cu 324.754	0.9899	1.2589	1.3219
Fe 271.441	13.9784	17.4507	16.9446
K 766.491	0.7824	0.8152	0.2464
Mg 279.078	2.2759	3.2117	0.7498
Mn 257.610	1.0346	1.0406	1.0535
Mo 202.032	0.9601	0.6961	0.0960
Na 330.237	-26.1720u	-132.243u	-55.7521u
Ni 231.604	2.4340	0.5719	-0.0517u
Pb 220.353	0.8300	0.9182	-0.1050u
Sb 206.834	3.4669	4.4187	0.4393
Se 196.026	6.6962	3.8812	2.9835
Sn 189.925	-0.5112u	5.7622	3.6728
Sr 216.596	0.4187	0.2490	0.3293
Ti 334.941	0.2161	0.1686	0.2254

Label	Replicates Concentration		
Tl 190.794	4.2862	3.8034	4.3870
V 292.401	0.6946	0.9002	0.5493
Zn 206.200	1.4575	-0.7554u	-1.1465u

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Ag 328.068	0.1382	ppb	0.1206	87.2	0.2176	0.13819
Al 308.215	7.5683	ppb	1.0153	13.4	444.574	7.56825
As 188.980	3.1318	ppb	2.3338	74.5	-0.7319	3.13181
B 249.678	7.9182	ppb	0.9299	11.7	155.201	7.91823
Ba 389.178	0.8210	ppb	0.6713	81.8	-34.1168	0.82100
Be 313.042	0.0611	ppb	0.0017	2.8	-217.580	0.06112
Ca 370.602	21.18	ppb	3.409	16.1	60.02	21.17874
Cd 226.502	0.1561	ppb	0.0213	13.7	19.1061	0.15607
Co 228.615	-0.1828	ppb	0.4647	254.2	1.2392	-0.18276
Cr 267.716	0.7805	ppb	0.0633	8.1	69.8648	0.78048
Cu 324.754	1.1902	ppb	0.1764	14.8	333.389	1.19022
Fe 271.441	16.1246	ppb	1.8758	11.6	29.5317	16.12456
K 766.491	0.6147	ppb	0.3193	52.0	351.377	0.61468
Mg 279.078	2.0791	ppb	1.2427	59.8	23.9609	2.07914
Mn 257.610	1.0429	ppb	0.0097	0.9	256.428	1.04290
Mo 202.032	0.5840	ppb	0.4428	75.8	9.8884	0.58405
Na 330.237	-71.3892	ppb	54.7374	76.7	18.6197	-71.38921
Ni 231.604	0.9847	ppb	1.2933	131.3	-2.0474	0.98472
Pb 220.353	0.5478	ppb	0.5670	103.5	1.2157	0.54776
Sb 206.834	2.7750	ppb	2.0780	74.9	4.7823	2.77497
Se 196.026	4.5203	ppb	1.9371	42.9	4.4808	4.52033
Sn 189.925	2.9746	ppb	3.1945	107.4	-3.4171	2.97457
Sr 216.596	0.3323	ppb	0.0849	25.5	6.0158	0.33234
Ti 334.941	0.2034	ppb	0.0305	15.0	-5.4389	0.20336
Tl 190.794	4.1589	ppb	0.3120	7.5	-1.8987	4.15887
V 292.401	0.7147	ppb	0.1763	24.7	11.3189	0.71471
Zn 206.200	-0.1481	ppb	1.4042	947.8	1.0703	-0.14815

640-49455-a-8-a (Samp) **10/16/2014, 11:48:28 AM** **Rack 4, Tube 39**

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

Label	Replicates Concentration		
Ag 328.068	0.0665u	0.1316u	0.0896u
Al 308.215	7103.04	7098.72	7117.91
As 188.980	7.8842	10.5655	8.3480
B 249.678	7.2929	6.7551	6.4985
Ba 389.178	166.384	167.201	167.221
Be 313.042	0.3133	0.3212	0.3127
Ca 370.602	20533	20492	20551
Cd 226.502	1.5816	1.5015	1.5135
Co 228.615	1.5168	1.7731	1.9458
Cr 267.716	23.0142	23.1542	23.0447
Cu 324.754	636.125	642.116	640.055
Fe 271.441	9486.03	9482.46	9487.69
K 766.491	372.204	371.571	372.371
Mg 279.078	613.236	610.953	610.169
Mn 257.610	51.2925	51.0655	51.0781
Mo 202.032	2.3336	2.0498	1.8327
Na 330.237	1004.83u	973.989u	891.565u

Label	Replicates Concentration		
Ni 231.604	4.7887	5.1655	6.6706
Pb 220.353	1644.92	1645.43	1647.08
Sb 206.834	6.8479	6.1777	6.0333
Se 196.026	7.7143	5.5109	5.8433
Sn 189.925	3513.56	3486.30	3504.86
Sr 216.596	485.718	485.454	484.979
Ti 334.941	130.813	129.100	129.553
Tl 190.794	2.5013	2.1222	2.1592
V 292.401	12.8737	12.6958	12.7470
Zn 206.200	2626.94	2615.09	2620.46

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	0.0959	ppb	0.0330	34.4	-19.2675
Al 308.215	7106.56	ppb	10.0684	0.1	47438.0
As 188.980	8.9326	ppb	1.4331	16.0	2.3895
B 249.678	6.8488	ppb	0.4054	5.9	119.194
Ba 389.178	166.935	ppb	0.4775	0.3	3340.44
Be 313.042	0.3157	ppb	0.0048	1.5	204.196
Ca 370.602	20525	ppb	30.27	0.1	47414
Cd 226.502	1.5322	ppb	0.0432	2.8	104.534
Co 228.615	1.7452	ppb	0.2158	12.4	22.2296
Cr 267.716	23.0710	ppb	0.0736	0.3	1180.50
Cu 324.754	639.432	ppb	3.0440	0.5	45101.2
Fe 271.441	9485.39	ppb	2.6691	0.0	13365.0
K 766.491	372.048	ppb	0.4223	0.1	16240.6
Mg 279.078	611.452	ppb	1.5937	0.3	1501.10
Mn 257.610	51.1454	ppb	0.1276	0.2	10649.2
Mo 202.032	2.0720	ppb	0.2512	12.1	18.6798
Na 330.237	956.793	ppb	58.5562	6.1	-0.0164
Ni 231.604	5.5416	ppb	0.9957	18.0	11.3012
Pb 220.353	1645.81	ppb	1.1282	0.1	2346.57
Sb 206.834	6.3530	ppb	0.4347	6.8	10.9180
Se 196.026	6.3562	ppb	1.1879	18.7	5.2691
Sn 189.925	3501.57	ppb	13.9230	0.4	2296.86
Sr 216.596	485.383	ppb	0.3745	0.1	5322.96
Ti 334.941	129.822	ppb	0.8875	0.7	35963.8
Tl 190.794	2.2609	ppb	0.2090	9.2	-4.8528
V 292.401	12.7722	ppb	0.0916	0.7	327.934
Zn 206.200	2620.83	ppb	5.9310	0.2	2365.22

X (Samp) **10/16/2014, 11:52:47 AM** **Rack 4, Tube 40**

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

Label	Replicates Concentration		
Ag 328.068	10.2354	10.5521	10.1461
Al 308.215	209.873	209.305	208.790
As 188.980	29.7431	29.4602	23.7884
B 249.678	102.413	103.546	103.196
Ba 389.178	9.8851	10.5571	9.9094
Be 313.042	4.1682	4.1662	4.1556
Ca 370.602	504.0	502.0	500.0
Cd 226.502	5.1108	5.0364	5.0295
Co 228.615	10.1937	10.1445	9.8161
Cr 267.716	10.1996	10.3432	10.3056

Label	Replicates Concentration		
Cu 324.754	21.1399	21.3382	21.9237
Fe 271.441	55.0644	52.7639	48.1547
K 766.491	1069.67	1071.28	1071.82
Mg 279.078	508.868	512.453	505.676
Mn 257.610	10.9258	10.9147	10.8640
Mo 202.032	10.1051	10.3400	9.8405
Na 330.237	876.592	1014.94	854.893
Ni 231.604	42.2063	42.7070	41.0232
Pb 220.353	10.5143	10.3310	14.1702
Sb 206.834	20.6791	20.7410	22.8921
Se 196.026	20.8272	18.9478	22.8865
Sn 189.925	57.2995	52.8248	52.4859
Sr 216.596	10.4877	9.9632	9.8198
Ti 334.941	10.2403	10.2026	10.1206
Tl 190.794	22.7371	21.6412	23.8035
V 292.401	10.2393	10.4205	9.8975
Zn 206.200	20.0858	23.3799	22.1393

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	10.3112	ppb	0.2134	2.1	786.763
Al 308.215	209.323	ppb	0.5415	0.3	1781.09
As 188.980	27.6639	ppb	3.3593	12.1	12.4284
B 249.678	103.052	ppb	0.5799	0.6	1593.89
Ba 389.178	10.1172	ppb	0.3811	3.8	155.141
Be 313.042	4.1633	ppb	0.0068	0.2	6459.95
Ca 370.602	502.0	ppb	1.991	0.4	1175
Cd 226.502	5.0589	ppb	0.0451	0.9	202.715
Co 228.615	10.0514	ppb	0.2053	2.0	107.793
Cr 267.716	10.2828	ppb	0.0745	0.7	541.347
Cu 324.754	21.4673	ppb	0.4075	1.9	1755.80
Fe 271.441	51.9943	ppb	3.5186	6.8	81.2469
K 766.491	1070.92	ppb	1.1199	0.1	46137.1
Mg 279.078	508.999	ppb	3.3902	0.7	1255.27
Mn 257.610	10.9015	ppb	0.0329	0.3	2298.90
Mo 202.032	10.0952	ppb	0.2499	2.5	68.7358
Na 330.237	915.476	ppb	86.8210	9.5	65.2600
Ni 231.604	41.9789	ppb	0.8646	2.1	111.493
Pb 220.353	11.6718	ppb	2.1656	18.6	17.0630
Sb 206.834	21.4374	ppb	1.2602	5.9	29.3433
Se 196.026	20.8872	ppb	1.9700	9.4	10.7844
Sn 189.925	54.2034	ppb	2.6867	5.0	30.2654
Sr 216.596	10.0902	ppb	0.3516	3.5	111.714
Ti 334.941	10.1878	ppb	0.0612	0.6	2765.86
Tl 190.794	22.7273	ppb	1.0812	4.8	16.2661
V 292.401	10.1857	ppb	0.2656	2.6	255.043
Zn 206.200	21.8683	ppb	1.6637	7.6	20.9069

X (Samp) **10/16/2014, 11:59:55 AM** **Rack 4, Tube 41**

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

Label	Replicates Concentration		
Ag 328.068	10.5139	10.5391	10.4488
Al 308.215	210.274	209.966	211.631
As 188.980	35.2803	30.0561	25.4374

Label	Replicates Concentration		
B 249.678	110.485	109.374	109.923
Ba 389.178	10.6559	11.2714	11.7985
Be 313.042	4.2494	4.2812	4.3222
Ca 370.602	499.5	501.5	496.6
Cd 226.502	5.1379	5.4917	5.1432
Co 228.615	10.1617	10.3704	10.1873
Cr 267.716	10.9615	11.4277	12.0190
Cu 324.754	22.4328	22.5016	22.9871
Fe 271.441	55.4115	55.2768	56.9260
K 766.491	1066.98	1067.91	1066.59
Mg 279.078	509.816	510.083	513.053
Mn 257.610	11.7994	12.2325	12.5834
Mo 202.032	10.6248	10.1011	10.7344
Na 330.237	894.124	992.832	904.598
Ni 231.604	43.2462	42.0620	42.2477
Pb 220.353	12.2944	13.3985	12.3485
Sb 206.834	26.2848	23.2231	25.9123
Se 196.026	30.1215	29.4692	23.8886
Sn 189.925	53.6689	56.9389	55.6307
Sr 216.596	11.3077	10.4689	10.6549
Ti 334.941	10.2378	10.2418	10.3602
Tl 190.794	24.3538	28.8813	28.5051
V 292.401	10.8579	11.2591	11.9327
Zn 206.200	21.3774	24.4077	22.1272

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	10.5006	ppb	0.0466	0.4	801.400
Al 308.215	210.624	ppb	0.8858	0.4	1789.86
As 188.980	30.2579	ppb	4.9246	16.3	13.8200
B 249.678	109.927	ppb	0.5558	0.5	1697.87
Ba 389.178	11.2419	ppb	0.5719	5.1	177.964
Be 313.042	4.2843	ppb	0.0365	0.9	6656.81
Ca 370.602	499.2	ppb	2.435	0.5	1168
Cd 226.502	5.2576	ppb	0.2028	3.9	210.185
Co 228.615	10.2398	ppb	0.1138	1.1	109.748
Cr 267.716	11.4694	ppb	0.5300	4.6	600.225
Cu 324.754	22.6405	ppb	0.3021	1.3	1838.09
Fe 271.441	55.8714	ppb	0.9157	1.6	86.7127
K 766.491	1067.16	ppb	0.6773	0.1	45976.4
Mg 279.078	510.984	ppb	1.7966	0.4	1260.07
Mn 257.610	12.2051	ppb	0.3927	3.2	2568.52
Mo 202.032	10.4867	ppb	0.3385	3.2	71.1574
Na 330.237	930.518	ppb	54.2194	5.8	65.9347
Ni 231.604	42.5186	ppb	0.6369	1.5	112.989
Pb 220.353	12.6804	ppb	0.6224	4.9	18.5012
Sb 206.834	25.1401	ppb	1.6705	6.6	34.2297
Se 196.026	27.8264	ppb	3.4259	12.3	13.4564
Sn 189.925	55.4128	ppb	1.6458	3.0	31.0605
Sr 216.596	10.8105	ppb	0.4405	4.1	119.572
Ti 334.941	10.2799	ppb	0.0695	0.7	2791.41
Tl 190.794	27.2467	ppb	2.5124	9.2	20.6837
V 292.401	11.3499	ppb	0.5431	4.8	285.090
Zn 206.200	22.6374	ppb	1.5782	7.0	21.5971

Cont Calib Verif (CCV) **10/16/2014, 12:04:14 PM** **Rack 4, Tube 49**

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

Label	Replicates Concentration		
Ag 328.068	481.350	478.307	480.344
Al 308.215	4787.10	4778.22	4786.73
As 188.980	456.673	459.124	461.339
B 249.678	479.439	483.151	485.658
Ba 389.178	4740.87	4721.71	4723.85
Be 313.042	484.249	485.332	485.302
Ca 370.602	4617	4591	4605
Cd 226.502	480.579	479.626	481.020
Co 228.615	483.966	482.744	483.393
Cr 267.716	4796.54	4777.93	4781.41
Cu 324.754	4955.34	4928.95	4936.12
Fe 271.441	4784.19	4795.42	4783.98
K 766.491	9955.36	9931.81	9947.00
Mg 279.078	4794.26	4776.45	4791.94
Mn 257.610	4868.88	4866.06	4879.61
Mo 202.032	475.880	477.398	476.812
Na 330.237	7596.49	7694.64	7617.59
Ni 231.604	2423.39	2421.93	2425.81
Pb 220.353	483.615	476.050	487.762
Sb 206.834	898.310	900.959	907.548
Se 196.026	4809.89	4811.88	4840.91
Sn 189.925	4807.18	4775.17	4789.13
Sr 216.596	2387.39	2383.17	2393.31
Ti 334.941	469.618	467.796	468.264
Tl 190.794	4782.51	4800.93	4806.41
V 292.401	4764.23	4760.06	4763.30
Zn 206.200	2402.80	2395.06	2404.83

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Ag 328.068	480.000	ppb	1.5500	0.3	37071.1	96.00005
Al 308.215	4784.02	ppb	5.0260	0.1	32550.5	95.68033
As 188.980	459.045	ppb	2.3343	0.5	243.763	91.80908
B 249.678	482.749	ppb	3.1290	0.6	7337.24	96.54984
Ba 389.178	4728.81	ppb	10.4994	0.2	95875.9	94.57628
Be 313.042	484.961	ppb	0.6171	0.1	789358	96.99223
Ca 370.602	4605	ppb	12.70	0.3	10912	92.09071
Cd 226.502	480.409	ppb	0.7125	0.1	18009.5	96.08171
Co 228.615	483.367	ppb	0.6112	0.1	5042.78	96.67350
Cr 267.716	4785.29	ppb	9.8940	0.2	237461	95.70585
Cu 324.754	4940.14	ppb	13.6457	0.3	346687	98.80270
Fe 271.441	4787.86	ppb	6.5447	0.1	6845.36	95.75723
K 766.491	9944.72	ppb	11.9428	0.1	425742	99.44722
Mg 279.078	4787.55	ppb	9.6797	0.2	11558.1	95.75098
Mn 257.610	4871.51	ppb	7.1487	0.1	1007479	97.43027
Mo 202.032	476.697	ppb	0.7653	0.2	2951.31	95.33937
Na 330.237	7636.24	ppb	51.6624	0.7	325.597	101.81655
Ni 231.604	2423.71	ppb	1.9580	0.1	6708.61	96.94855
Pb 220.353	482.476	ppb	5.9389	1.2	691.610	96.49516
Sb 206.834	902.272	ppb	4.7569	0.5	1235.44	90.22720
Se 196.026	4820.89	ppb	17.3640	0.4	1859.83	96.41786
Sn 189.925	4790.49	ppb	16.0499	0.3	3144.30	95.80981
Sr 216.596	2387.96	ppb	5.0922	0.2	26034.3	95.51832

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Ti 334.941	468.560	ppb	0.9460	0.2	129963	93.71194
Tl 190.794	4796.62	ppb	12.5182	0.3	4691.48	95.93233
V 292.401	4762.53	ppb	2.1891	0.0	123154	95.25058
Zn 206.200	2400.90	ppb	5.1590	0.2	2154.55	96.03598

Cont Calib Blank (CCB) **10/16/2014, 12:08:34 PM** **Rack 4, Tube 50**

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

Label	Replicates Concentration		
Ag 328.068	0.0890	-0.0262u	0.1618
Al 308.215	4.6819	5.3538	5.0975
As 188.980	7.8869	6.2566	6.6415
B 249.678	9.3767	8.9105	8.0839
Ba 389.178	0.6669	0.5990	0.5295
Be 313.042	0.0358	0.0387	0.0429
Ca 370.602	9.180	6.475	-0.6941u
Cd 226.502	-0.0547u	0.1837	-0.0063u
Co 228.615	0.3974	0.2339	-0.5237u
Cr 267.716	0.2713	0.3736	0.4250
Cu 324.754	0.4488	0.2158	0.6923
Fe 271.441	-0.6694u	3.0993	-3.8186u
K 766.491	-0.7889u	-0.9978u	-0.9032u
Mg 279.078	-1.0754u	-1.9524u	0.1713
Mn 257.610	0.4547	0.4902	0.5599
Mo 202.032	1.2831	0.5639	0.8996
Na 330.237	-55.2914u	34.2686	-90.9680u
Ni 231.604	-1.0272u	1.0950	1.1168
Pb 220.353	-1.9439u	1.7190	1.1134
Sb 206.834	3.2444	1.0504	6.4935
Se 196.026	-2.2151u	0.6473	0.1151
Sn 189.925	0.9042	1.2769	3.8350
Sr 216.596	-0.1403u	0.2389	0.1186
Ti 334.941	0.1154	0.1189	0.1219
Tl 190.794	-1.6434u	0.4443	2.8743
V 292.401	0.7342	0.5830	0.7622
Zn 206.200	0.8004	-0.4287u	-0.4703u

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Ag 328.068	0.0749	ppb	0.0948	126.6	-4.6592	0.07486
Al 308.215	5.0444	ppb	0.3391	6.7	427.868	5.04438
As 188.980	6.9283	ppb	0.8522	12.3	1.3048	6.92831
B 249.678	8.7904	ppb	0.6548	7.4	168.449	8.79038
Ba 389.178	0.5985	ppb	0.0687	11.5	-38.6407	0.59847
Be 313.042	0.0392	ppb	0.0036	9.1	-253.372	0.03917
Ca 370.602	4.987	ppb	5.102	102.3	22.70	4.98706
Cd 226.502	0.0409	ppb	0.1260	308.3	14.7398	0.04088
Co 228.615	0.0359	ppb	0.4914	1369.5	3.5033	0.03588
Cr 267.716	0.3567	ppb	0.0782	21.9	48.8234	0.35665
Cu 324.754	0.4523	ppb	0.2383	52.7	281.643	0.45228
Fe 271.441	-0.4629	ppb	3.4636	748.2	6.1720	-0.46291
K 766.491	-0.8967	ppb	0.1046	11.7	286.725	-0.89666
Mg 279.078	-0.9522	ppb	1.0672	112.1	16.6079	-0.95218
Mn 257.610	0.5016	ppb	0.0535	10.7	144.419	0.50159
Mo 202.032	0.9155	ppb	0.3599	39.3	11.9405	0.91554

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Na 330.237	-37.3302	ppb	64.5213	172.8	20.2650	-37.33024
Ni 231.604	0.3949	ppb	1.2315	311.9	-3.6826	0.39486
Pb 220.353	0.2962	ppb	1.9635	663.0	0.8570	0.29615
Sb 206.834	3.5961	ppb	2.7385	76.2	5.8527	3.59611
Se 196.026	-0.4843	ppb	1.5224	314.4	2.5537	-0.48426
Sn 189.925	2.0054	ppb	1.5955	79.6	-4.0544	2.00535
Sr 216.596	0.0724	ppb	0.1938	267.6	3.1587	0.07242
Ti 334.941	0.1187	ppb	0.0033	2.8	-28.9236	0.11873
Tl 190.794	0.5584	ppb	2.2610	404.9	-5.4180	0.55841
V 292.401	0.6931	ppb	0.0964	13.9	10.7059	0.69315
Zn 206.200	-0.0328	ppb	0.7219	2197.9	1.1760	-0.03285

CRI (Samp) **10/16/2014, 12:13:27 PM** **Rack 4, Tube 51**

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

Label	Replicates Concentration		
Ag 328.068	10.5934	10.5794	10.6658
Al 308.215	217.682	219.327	216.633
As 188.980	22.7135	22.6786	31.4690
B 249.678	106.063	106.659	105.913
Ba 389.178	9.5598	9.8366	10.4492
Be 313.042	4.2552	4.2561	4.2267
Ca 370.602	538.7	541.8	542.5
Cd 226.502	4.9070	5.0069	4.9276
Co 228.615	9.9872	10.8377	10.3120
Cr 267.716	10.3839	10.3612	10.4360
Cu 324.754	21.8044	21.8118	21.3776
Fe 271.441	48.4493	52.2654	54.3924
K 766.491	1089.63	1090.18	1079.26
Mg 279.078	520.609	518.680	520.922
Mn 257.610	11.3231	11.3388	11.2175
Mo 202.032	10.2642	10.2687	9.5543
Na 330.237	946.137	794.141	890.411
Ni 231.604	41.8807	42.2246	42.3759
Pb 220.353	11.3271	11.6139	11.3448
Sb 206.834	20.4120	24.1523	20.5699
Se 196.026	22.8892	24.3105	27.5140
Sn 189.925	52.5984	55.2414	56.3909
Sr 216.596	9.9310	9.6998	9.8542
Ti 334.941	10.4254	10.4073	10.3790
Tl 190.794	24.7636	25.6428	26.4599
V 292.401	10.5564	10.6148	10.4256
Zn 206.200	21.2932	20.7586	20.5410

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	10.6129	ppb	0.0464	0.4	810.113
Al 308.215	217.881	ppb	1.3580	0.6	1837.75
As 188.980	25.6204	ppb	5.0651	19.8	11.3322
B 249.678	106.212	ppb	0.3948	0.4	1641.67
Ba 389.178	9.9485	ppb	0.4551	4.6	151.733
Be 313.042	4.2460	ppb	0.0167	0.4	6594.53
Ca 370.602	541.0	ppb	1.984	0.4	1265
Cd 226.502	4.9472	ppb	0.0528	1.1	198.540
Co 228.615	10.3790	ppb	0.4292	4.1	111.205

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Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Cr 267.716	10.3937	ppb	0.0383	0.4	546.852
Cu 324.754	21.6646	ppb	0.2486	1.1	1769.63
Fe 271.441	51.7024	ppb	3.0113	5.8	80.8286
K 766.491	1086.36	ppb	6.1528	0.6	46797.5
Mg 279.078	520.071	ppb	1.2143	0.2	1282.17
Mn 257.610	11.2931	ppb	0.0659	0.6	2379.96
Mo 202.032	10.0291	ppb	0.4111	4.1	68.3264
Na 330.237	876.896	ppb	76.8941	8.8	63.4300
Ni 231.604	42.1604	ppb	0.2538	0.6	111.996
Pb 220.353	11.4286	ppb	0.1607	1.4	16.7159
Sb 206.834	21.7114	ppb	2.1154	9.7	29.7021
Se 196.026	24.9046	ppb	2.3690	9.5	12.3312
Sn 189.925	54.7435	ppb	1.9447	3.6	30.6205
Sr 216.596	9.8283	ppb	0.1178	1.2	108.868
Ti 334.941	10.4039	ppb	0.0234	0.2	2825.83
Tl 190.794	25.6221	ppb	0.8483	3.3	19.0961
V 292.401	10.5323	ppb	0.0968	0.9	264.041
Zn 206.200	20.8643	ppb	0.3871	1.9	20.0017

X (Samp) **10/16/2014, 12:17:48 PM** **Rack 4, Tube 52**

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

Label	Replicates Concentration		
Ag 328.068	10.4388	10.6557	10.6942
Al 308.215	214.323	215.434	214.215
As 188.980	25.8237	28.7364	19.7554
B 249.678	107.396	107.008	107.706
Ba 389.178	11.0013	9.5896	10.4105
Be 313.042	4.2931	4.2721	4.2843
Ca 370.602	517.0	520.3	519.4
Cd 226.502	5.2288	5.1012	5.1686
Co 228.615	10.4555	10.3756	10.4955
Cr 267.716	10.5259	10.4255	10.7684
Cu 324.754	21.9395	21.8465	22.2195
Fe 271.441	50.3632	57.9766	53.7570
K 766.491	1104.78	1102.44	1104.38
Mg 279.078	569.779	564.484	572.430
Mn 257.610	11.1977	11.2044	11.2118
Mo 202.032	10.4785	10.6678	10.7324
Na 330.237	1390.19	1265.36	1277.18
Ni 231.604	43.2130	43.3043	42.9791
Pb 220.353	10.2376	10.8678	10.6470
Sb 206.834	24.1091	22.7720	26.5628
Se 196.026	26.9675	27.8477	27.9173
Sn 189.925	52.6185	53.4875	52.1497
Sr 216.596	10.6103	10.5786	11.0958
Ti 334.941	10.2981	10.2770	10.3197
Tl 190.794	28.2054	25.4971	27.7956
V 292.401	10.3861	10.4419	10.6521
Zn 206.200	21.3563	22.6299	20.5742

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	10.5962	ppb	0.1377	1.3	808.790
Al 308.215	214.658	ppb	0.6748	0.3	1816.48

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
As 188.980	24.7718	ppb	4.5820	18.5	10.8768
B 249.678	107.370	ppb	0.3496	0.3	1659.23
Ba 389.178	10.3338	ppb	0.7090	6.9	159.617
Be 313.042	4.2832	ppb	0.0105	0.2	6654.95
Ca 370.602	518.9	ppb	1.673	0.3	1214
Cd 226.502	5.1662	ppb	0.0639	1.2	206.748
Co 228.615	10.4422	ppb	0.0611	0.6	111.853
Cr 267.716	10.5732	ppb	0.1763	1.7	555.766
Cu 324.754	22.0018	ppb	0.1941	0.9	1793.31
Fe 271.441	54.0323	ppb	3.8141	7.1	84.1575
K 766.491	1103.86	ppb	1.2513	0.1	47546.4
Mg 279.078	568.898	ppb	4.0455	0.7	1400.79
Mn 257.610	11.2046	ppb	0.0070	0.1	2362.03
Mo 202.032	10.6262	ppb	0.1319	1.2	72.0214
Na 330.237	1310.91	ppb	68.9131	5.3	84.1346
Ni 231.604	43.1655	ppb	0.1677	0.4	114.780
Pb 220.353	10.5841	ppb	0.3198	3.0	15.5109
Sb 206.834	24.4813	ppb	1.9226	7.9	33.3477
Se 196.026	27.5775	ppb	0.5294	1.9	13.3604
Sn 189.925	52.7519	ppb	0.6788	1.3	29.3111
Sr 216.596	10.7616	ppb	0.2899	2.7	119.015
Ti 334.941	10.2983	ppb	0.0214	0.2	2796.58
Tl 190.794	27.1660	ppb	1.4598	5.4	20.6043
V 292.401	10.4934	ppb	0.1403	1.3	262.899
Zn 206.200	21.5202	ppb	1.0376	4.8	20.5918

CCV (Samp) **10/16/2014, 12:22:08 PM** **Rack 4, Tube 53**

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

Label	Replicates Concentration		
Ag 328.068	479.036	482.724	478.702
Al 308.215	4811.93	4815.02	4809.36
As 188.980	464.454	457.241	463.733
B 249.678	482.822	485.542	486.288
Ba 389.178	4735.78	4745.58	4739.27
Be 313.042	488.410	488.017	487.724
Ca 370.602	4607	4621	4634
Cd 226.502	483.832	484.871	484.787
Co 228.615	485.828	486.232	487.550
Cr 267.716	4817.39	4824.91	4818.80
Cu 324.754	4923.98	4919.35	4929.78
Fe 271.441	4800.20	4808.18	4813.71
K 766.491	9959.08	9972.99	9970.90
Mg 279.078	4827.03	4825.29	4835.93
Mn 257.610	4891.92	4906.46	4902.77
Mo 202.032	476.360	480.657	480.085
Na 330.237	7809.89	7534.85	7567.34
Ni 231.604	2439.80	2448.01	2446.32
Pb 220.353	483.945	483.593	487.041
Sb 206.834	903.142	907.427	914.932
Se 196.026	4861.88	4897.86	4867.45
Sn 189.925	4827.12	4827.05	4812.58
Sr 216.596	2398.15	2409.46	2407.17
Ti 334.941	469.194	469.644	469.504

Label	Replicates Concentration		
Tl 190.794	4819.99	4828.40	4820.55
V 292.401	4773.30	4793.27	4784.41
Zn 206.200	2422.20	2423.18	2417.78

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	480.154	ppb	2.2321	0.5	37082.9
Al 308.215	4812.10	ppb	2.8310	0.1	32738.8
As 188.980	461.809	ppb	3.9725	0.9	245.245
B 249.678	484.884	ppb	1.8246	0.4	7369.54
Ba 389.178	4740.21	ppb	4.9667	0.1	96107.1
Be 313.042	488.050	ppb	0.3442	0.1	794387
Ca 370.602	4620	ppb	13.42	0.3	10950
Cd 226.502	484.497	ppb	0.5773	0.1	18162.5
Co 228.615	486.537	ppb	0.9005	0.2	5075.80
Cr 267.716	4820.36	ppb	3.9971	0.1	239201
Cu 324.754	4924.37	ppb	5.2272	0.1	345581
Fe 271.441	4807.36	ppb	6.7919	0.1	6873.46
K 766.491	9967.66	ppb	7.5048	0.1	426723
Mg 279.078	4829.42	ppb	5.7093	0.1	11659.2
Mn 257.610	4900.38	ppb	7.5588	0.2	1013449
Mo 202.032	479.034	ppb	2.3332	0.5	2965.75
Na 330.237	7637.36	ppb	150.296	2.0	325.101
Ni 231.604	2444.71	ppb	4.3371	0.2	6766.77
Pb 220.353	484.860	ppb	1.8972	0.4	695.037
Sb 206.834	908.500	ppb	5.9681	0.7	1244.01
Se 196.026	4875.73	ppb	19.3649	0.4	1880.95
Sn 189.925	4822.25	ppb	8.3759	0.2	3165.18
Sr 216.596	2404.93	ppb	5.9759	0.2	26219.1
Ti 334.941	469.447	ppb	0.2307	0.0	130209
Tl 190.794	4822.98	ppb	4.7012	0.1	4717.30
V 292.401	4783.66	ppb	10.0041	0.2	123700
Zn 206.200	2421.06	ppb	2.8743	0.1	2172.64

CCB (Samp) **10/16/2014, 12:26:27 PM** **Rack 4, Tube 54**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Replicates Concentration		
Ag 328.068	0.2444	0.1800	-0.2440u
Al 308.215	6.3442	6.2957	5.4661
As 188.980	11.2025	9.9649	4.9743
B 249.678	9.2427	8.1790	7.4784
Ba 389.178	0.7479	0.8229	1.5284
Be 313.042	0.0530	0.0740	0.0701
Ca 370.602	8.826	11.53	11.43
Cd 226.502	0.2106	0.1948	0.0222
Co 228.615	-0.1446u	-0.1949u	-0.1727u
Cr 267.716	0.7878	1.0430	0.7918
Cu 324.754	0.8117	1.0027	1.3014
Fe 271.441	6.5584	7.4029	3.8649
K 766.491	0.1247	0.9090	0.7060
Mg 279.078	2.7517	-1.7734u	3.0346
Mn 257.610	0.7313	0.9940	1.0699
Mo 202.032	1.0588	0.7639	0.6832
Na 330.237	-46.7049u	-69.9583u	-41.2891u

Label	Replicates Concentration		
Ni 231.604	1.5998	0.6089	0.9098
Pb 220.353	-2.1381u	1.8938	2.3103
Sb 206.834	6.2287	4.3658	4.8440
Se 196.026	9.6716	-0.9087u	8.8232
Sn 189.925	0.5611	0.6101	4.2504
Sr 216.596	0.6561	0.6097	0.7922
Ti 334.941	0.2059	0.2036	0.2251
Tl 190.794	1.8724	1.1271	4.4931
V 292.401	0.5718	0.8647	1.1987
Zn 206.200	-0.7948u	0.1515	-0.8956u

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	0.0601	ppb	0.2654	441.4	-5.8119
Al 308.215	6.0354	ppb	0.4936	8.2	434.443
As 188.980	8.7139	ppb	3.2972	37.8	2.2627
B 249.678	8.3000	ppb	0.8883	10.7	161.043
Ba 389.178	1.0331	ppb	0.4306	41.7	-29.8235
Be 313.042	0.0657	ppb	0.0111	17.0	-210.150
Ca 370.602	10.60	ppb	1.535	14.5	35.71
Cd 226.502	0.1426	ppb	0.1045	73.3	18.5487
Co 228.615	-0.1708	ppb	0.0252	14.8	1.3565
Cr 267.716	0.8742	ppb	0.1462	16.7	74.5037
Cu 324.754	1.0386	ppb	0.2468	23.8	322.759
Fe 271.441	5.9421	ppb	1.8478	31.1	15.1902
K 766.491	0.5799	ppb	0.4071	70.2	349.890
Mg 279.078	1.3377	ppb	2.6979	201.7	22.1622
Mn 257.610	0.9317	ppb	0.1777	19.1	233.388
Mo 202.032	0.8353	ppb	0.1977	23.7	11.4437
Na 330.237	-52.6507	ppb	15.2314	28.9	19.5354
Ni 231.604	1.0395	ppb	0.5081	48.9	-1.8967
Pb 220.353	0.6887	ppb	2.4569	356.8	1.4173
Sb 206.834	5.1462	ppb	0.9675	18.8	7.9029
Se 196.026	5.8620	ppb	5.8790	100.3	4.9972
Sn 189.925	1.8072	ppb	2.1160	117.1	-4.1847
Sr 216.596	0.6860	ppb	0.0949	13.8	9.8542
Ti 334.941	0.2115	ppb	0.0118	5.6	-3.1714
Tl 190.794	2.4975	ppb	1.7679	70.8	-3.5219
V 292.401	0.8784	ppb	0.3137	35.7	15.4997
Zn 206.200	-0.5129	ppb	0.5776	112.6	0.7414

METALS BATCH WORKSHEET

Lab Name: TestAmerica Savannah Job No.: 680-106200-4

SDG No.: 680-106200-04

Batch Number: 353249 Batch Start Date: 10/13/14 09:04 Batch Analyst: West, Ryan

Batch Method: 3050B Batch End Date: 10/13/14 15:16

Lab Sample ID	Client Sample ID	Method Chain	Basis	CalcMsg	InitialAmount	FinalAmount	MS_Ag_LCS_SPK 00026	MS_LCS1_WK 00014	MS_LCS2_wk 00166
MB 680-353249/1		3050B, 6010C		CALC NOT SET TO RUN	1.11 g	100 mL			
LCS 680-353249/2		3050B, 6010C		CALC NOT SET TO RUN	1.08 g	100 mL	1 mL	1 mL	1 mL
640-49420-A-9 MS		3050B, 6010C	T	CALC NOT SET TO RUN	1.08 g	100 mL	1 mL	1 mL	1 mL
640-49420-A-9 MSD		3050B, 6010C	T	CALC NOT SET TO RUN	1.04 g	100 mL	1 mL	1 mL	1 mL
680-106200-B-54	CV0509Y-CSD (0-4")	3050B, 6010C	T	CALC NOT SET TO RUN	1.07 g	100 mL			
680-106200-B-52	CV0613E-CS (0-4")	3050B, 6010C	T	CALC NOT SET TO RUN	1.09 g	100 mL			
680-106200-B-56	CV0509X-CS12	3050B, 6010C	T	CALC NOT SET TO RUN	1.14 g	100 mL			
680-106200-B-61	CV0613A-CS24	3050B, 6010C	T	CALC NOT SET TO RUN	1.07 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.: 680-106200-4

SDG No.: 680-106200-04

Batch Number: 353249 Batch Start Date: 10/13/14 09:04 Batch Analyst: West, Ryan

Batch Method: 3050B Batch End Date: 10/13/14 15:16

Batch Notes	
Analyst	CRW
Balance ID	ME 25
Blank Soil Lot Number	3304789
Hydrogen peroxide lot number	3734728
Lot # of hydrochloric acid	3787142
Lot # of Nitric Acid	3787092
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	97 Degrees C
Pipette ID	ME16
Perform Calculation (0=No, 1=Yes)	0
ID number of the thermometer	ME Prep 15
Digestion Tube/Cup Lot #	3769883
Uncorrected Temperature	97 Celsius
Uncorrected Temperature 2	97 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.

METALS BATCH WORKSHEET

Lab Name: TestAmerica Savannah Job No.: 680-106200-4

SDG No.: 680-106200-04

Batch Number: 353262 Batch Start Date: 10/13/14 09:39 Batch Analyst: West, Ryan

Batch Method: 3050B Batch End Date: 10/13/14 15:34

Lab Sample ID	Client Sample ID	Method Chain	Basis	CalcMsg	InitialAmount	FinalAmount	MS_Ag_LCS_SPK 00026	MS_LCS1_WK 00014	MS_LCS2_wk 00166
MB 680-353262/1		3050B, 6010C		CALC NOT SET TO RUN	1.01 g	100 mL			
LCS 680-353262/2		3050B, 6010C		CALC NOT SET TO RUN	1.04 g	100 mL	1 mL	1 mL	1 mL
680-106200-B-51	CV0753B-CS (0-4")	3050B, 6010C	T	CALC NOT SET TO RUN	1.14 g	100 mL			
680-106200-A-51 MS	CV0753B-CS (0-4")	3050B, 6010C	T	CALC NOT SET TO RUN	1.15 g	100 mL	1 mL	1 mL	1 mL
680-106200-A-51 MSD	CV0753B-CS (0-4")	3050B, 6010C	T	CALC NOT SET TO RUN	1.15 g	100 mL	1 mL	1 mL	1 mL
680-106200-B-53	CV0509Y-CS (0-4")	3050B, 6010C	T	CALC NOT SET TO RUN	1.02 g	100 mL			
680-106200-B-60	CV0613A-CS18	3050B, 6010C	T	CALC NOT SET TO RUN	1.09 g	100 mL			
680-106200-B-58	CV0613A-CS6	3050B, 6010C	T	CALC NOT SET TO RUN	1.01 g	100 mL			
680-106200-A-59	CV0613A-CS12	3050B, 6010C	T	CALC NOT SET TO RUN	1.16 g	100 mL			
680-106200-B-62	CV0509KK-CS6	3050B, 6010C	T	CALC NOT SET TO RUN	1.14 g	100 mL			
680-106200-B-57	CV0509X-CS18	3050B, 6010C	T	CALC NOT SET TO RUN	1.01 g	100 mL			
680-106200-B-55	CV0509X-CS6	3050B, 6010C	T	CALC NOT SET TO RUN	1.08 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.: 680-106200-4

SDG No.: 680-106200-04

Batch Number: 353262 Batch Start Date: 10/13/14 09:39 Batch Analyst: West, Ryan

Batch Method: 3050B Batch End Date: 10/13/14 15:34

Batch Notes	
Analyst	CRW
Balance ID	ME 25
Blank Soil Lot Number	3304789
Hydrogen peroxide lot number	3734728
Lot # of hydrochloric acid	3787142
Lot # of Nitric Acid	3787092
Hood ID or number	FH8
Hot Block ID number	8
Nominal Amount Used	1 g
Oven, Bath or Block Temperature 1	97 Degrees C
Oven, Bath or Block Temperature 2	97 Degrees C
Pipette ID	ME16
Perform Calculation (0=No, 1=Yes)	0
ID number of the thermometer	ME Prep 15
Digestion Tube/Cup Lot #	3769883
Uncorrected Temperature	97 Celsius
Uncorrected Temperature 2	97 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

Serial Number 85299

ANALYSIS REQUEST AND CHAIN OF CUSTODY RECORD

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

TestAmerica Savannah
5102 LaRoche Avenue
Savannah, GA 31404

Website: www.testamericainc.com
Phone: (912) 354-7858
Fax: (912) 352-0165

Alternate Laboratory Name/Location

Phone:
Fax:

PROJECT REFERENCE: 35 TR	PROJECT NO.: 2014078-1006	PROJECT LOCATION (STATE): AL
TAL (LAB) PROJECT MANAGER: LISA HARVEY	P.O. NUMBER	CONTRACT NO.
CLIENT (SITE) PM: Russell Henderson	CLIENT PHONE	CLIENT FAX
CLIENT NAME: OTIE	CLIENT E-MAIL	
CLIENT ADDRESS		
COMPANY CONTRACTING THIS WORK (if applicable)		

PAGE 2 OF 3

STANDARD REPORT DELIVERY ✓

DATE DUE _____

EXPEDITED REPORT DELIVERY (SURCHARGE)

DATE DUE _____

NUMBER OF COOLERS SUBMITTED PER SHIPMENT:

REQUIRED ANALYSIS: Al, Fe, As, Pb / PAHs

PRESERVATIVE

SAMPLE DATE	SAMPLE TIME	SAMPLE IDENTIFICATION	COMPOSITE (C) OR GRAB (G) INDICATE	AQUEOUS (WATER)	SOLID OR SEMISOLID	AIR	NONAQUEOUS LIQUID (OIL, SOLVENT, ...)	Al, Fe, As, Pb	PAHs								REMARKS
10/7/14	14:50	CV0613D-CS6	C		X			X	X								
10/7/14	09:50	CV0509T-CS24	C		X			X	X								
10/7/14	14:50	CV0613B-CSD6	C		X			X	X								
10/7/14	15:00	CV0613B-CS12	C		X			X	X								
10/7/14	15:10	CV0613B-CS18	C		X			X	X								
10/7/14	15:20	CV0613B-CS24	C		X			X	X								
10/7/14	16:10	CV0753A-CS (0-4")	C		X			X	X								
10/7/14	16:10	CV0753A-CSD (0-4")	C		X			X	X								
10/7/14	16:20	CV0793B-CS (0-4")	C		X			X	X								MS + MSD
10/7/14	15:40	CV0613E-CS (0-4")	C		X			X									
10/7/14	11:30	CV0509Y-CS (0-4")	C		X			X									
10/7/14	11:30	CV0509Y-CSD (0-4")	C		X			X									

RELINQUISHED BY: (SIGNATURE)	DATE	TIME	RELINQUISHED BY: (SIGNATURE)	DATE	TIME	RELINQUISHED BY: (SIGNATURE)	DATE	TIME
[signature]	10/10/14	16:00						
RECEIVED BY: (SIGNATURE)	**DATE**	**TIME**	**RECEIVED BY: (SIGNATURE)**	**DATE**	**TIME**	**RECEIVED BY: (SIGNATURE)**	**DATE**	**TIME**

LABORATORY USE ONLY

RECEIVED FOR LABORATORY BY: (SIGNATURE)	DATE	TIME	CUSTODY INTACT	CUSTODY SEAL NO.	SAVANNAH LOG NO.	LABORATORY REMARKS
[signature]	10/11/14	0933	YES ○ NO ○		680 106200	5.2/1.8/4.8/0.8°C

TAL8240-680 (1008)

Serial Number 89189

ANALYSIS REQUEST AND CHAIN OF CUSTODY RECORD

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

(✓) TestAmerica Savannah
5102 LaRoche Avenue
Savannah, GA 31404

Website: www.testamericainc.com
Phone: (912) 354-7858
Fax: (912) 352-0165

( ) Alternate Laboratory Name/Location
Phone:
Fax:

PROJECT REFERENCE: 35TL	PROJECT NO.: 20140781006	PROJECT LOCATION (STATE): AL	PAGE 3 OF 3
TAL (LAB) PROJECT MANAGER: Lisa Harvey	P.O. NUMBER:	CONTRACT NO.:	STANDARD REPORT DELIVERY (✓)
CLIENT (SITE) PM: Russell Henderson	CLIENT PHONE:	CLIENT FAX:	DATE DUE:
CLIENT NAME: OTIE	CLIENT E-MAIL:		EXPEDITED REPORT DELIVERY (SURCHARGE) ( )
CLIENT ADDRESS:			DATE DUE:
COMPANY CONTRACTING THIS WORK (if applicable):			NUMBER OF COOLERS SUBMITTED PER SHIPMENT:

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

REQUIRED ANALYSIS: Al, Fe, As, Pb; PAH

PRESERVATIVE

SAMPLE DATE	SAMPLE TIME	SAMPLE IDENTIFICATION	COMPOSITE (C) OR GRAB (G)	AQUEOUS (WATER)	SOLID OR SEMISOLID	AIR	NONAQUEOUS LIQUID (OIL, SOLVENT, ...)	Al, Fe, As, Pb	PAH									REMARKS
10/7/14	10:20	CV0509X-CS6	C		X			X	X									
10/7/14	10:30	CV0509X-CS12	C		X			X	X									
10/7/14	10:40	CV0509X-CS18	C		X			X	X									
10/7/14	13:00	CV0613A-CS6	C		X			X	X									
10/7/14	13:10	CV0613A-CS12	C		X			X	X									
10/7/14	13:20	CV0613A-CS18	C		X			X	X									
10/7/14	13:30	CV0613A-CS24	C		X			X	X									
10/7/14	14:10	CV0509KK-CS6	C		X			X	X									

RELINQUISHED BY: (SIGNATURE)	DATE	TIME	RELINQUISHED BY: (SIGNATURE)	DATE	TIME	RELINQUISHED BY: (SIGNATURE)	DATE	TIME
[signature]	10/10/14	16:00						
RECEIVED BY: (SIGNATURE)	**DATE**	**TIME**	**RECEIVED BY: (SIGNATURE)**	**DATE**	**TIME**	**RECEIVED BY: (SIGNATURE)**	**DATE**	**TIME**

LABORATORY USE ONLY

RECEIVED FOR LABORATORY BY: (SIGNATURE)	DATE	TIME	CUSTODY INTACT	CUSTODY SEAL NO.	SAVANNAH LOG NO.	LABORATORY REMARKS
[signature]	10/11/14	0933	YES ( ) NO ( )		680 106200	5.2/1.8/4.8/0.8°C

TAL8240-680 (1008)

Login Sample Receipt Checklist

Client: Oneida Total Integrated Enterprises LLC

Job Number: 680-106200-4
SDG Number: 680-106200-04

Login Number: 106200
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

THE LEADER IN ENVIRONMENTAL TESTING

ANALYTICAL REPORT

TestAmerica Laboratories, Inc.
TestAmerica Savannah
5102 LaRoche Avenue
Savannah, GA 31404
Tel: (912)354-7858

TestAmerica Job ID: 680-106200-4
TestAmerica Sample Delivery Group: 680-106200-04
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:
10/21/2014 5:47:58 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: 680-106200-4

Laboratory: TestAmerica Savannah

Narrative

CASE NARRATIVE
Client: Oneida Total Integrated Enterprises LLC
Project: 35th Avenue Superfund Site
Report Number: 680-106200-4

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

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

RECEIPT

The samples were received on 10/11/2014 9:33 AM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperatures of the 4 coolers at receipt time were 0.8º C, 1.8º C, 4.8º C and 5.2º C.

SEMIVOLATILE ORGANIC COMPOUNDS (GC/MS) LOW LEVEL PAH

Samples CV0753B-CS (0-4") (680-106200-51), CV0509X-CS6 (680-106200-55), CV0509X-CS12 (680-106200-56), CV0509X-CS18 (680-106200-57), CV0613A-CS6 (680-106200-58), CV0613A-CS12 (680-106200-59), CV0613A-CS18 (680-106200-60), CV0613A-CS24 (680-106200-61) and CV0509KK-CS6 (680-106200-62) 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): CV0509KK-CS6 (680-106200-62), CV0509X-CS12 (680-106200-56), CV0509X-CS18 (680-106200-57), CV0509X-CS6 (680-106200-55), CV0613A-CS12 (680-106200-59), CV0613A-CS18 (680-106200-60), CV0613A-CS24 (680-106200-61), CV0613A-CS6 (680-106200-58), CV0753B-CS (0-4") (680-106200-51).

Method(s) 8270D_LL_PAH: The following sample(s) was diluted due to the nature of the sample matrix : CV0509KK-CS6 (680-106200-62), CV0509X-CS12 (680-106200-56), CV0509X-CS18 (680-106200-57), CV0509X-CS6 (680-106200-55), CV0613A-CS6 (680-106200-58), CV0753B-CS (0-4") (680-106200-51), CV0753B-CS (0-4") (680-106200-51 MS), CV0753B-CS (0-4") (680-106200-51 MSD). As such, surrogate recoveries are below the calibration range or are not reported, and elevated reporting limits (RLs) are provided.

Method(s) 8270D_LL_PAH: The continuing calibration verification (CCV) analyzed in batch 354069 was outside the method criteria for the following analyte(s): Indeno[1,2,3-cd]pyrene and o-Terphenyl. A CCV standard at or below the reporting limit (RL) was analyzed with the affected samples and found to be acceptable. As indicated in the reference method, sample analysis may proceed; however, any detection for the affected analyte(s) is considered estimated.

Several analytes recoveries are outside criteria low for the MS and/or MSD of sample CV0753B-CS (0-4") (680-106200-51) in batch 680-354069.

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

Refer to the QC report for details.

METALS (ICP)

Samples CV0753B-CS (0-4") (680-106200-51), CV0613E-CS (0-4") (680-106200-52), CV0509Y-CS (0-4") (680-106200-53), CV0509Y-CSD (0-4") (680-106200-54), CV0509X-CS6 (680-106200-55), CV0509X-CS12 (680-106200-56), CV0509X-CS18 (680-106200-57), CV0613A-CS6 (680-106200-58), CV0613A-CS12 (680-106200-59), CV0613A-CS18 (680-106200-60), CV0613A-CS24 (680-106200-61) and CV0509KK-CS6 (680-106200-62) were analyzed for Metals (ICP) in accordance with EPA SW-846 Method 6010C.

Job ID: 680-106200-4 (Continued)

Laboratory: TestAmerica Savannah (Continued)

Aluminum, Arsenic and Iron have recovery outside criteria high for the MS of sample CV0753B-CS (0-4") (680-106200-51) in batch 680-353949.

Lead recovery is outside criteria low for the MSD of sample CV0753B-CS (0-4") (680-106200-51) in batch 680-353949. Aluminum and Iron failed the recovery criteria high.

Refer to the QC report for details.

PERCENT SOLIDS/MOISTURE

Samples CV0753B-CS (0-4") (680-106200-51), CV0613E-CS (0-4") (680-106200-52), CV0509Y-CS (0-4") (680-106200-53), CV0509Y-CSD (0-4") (680-106200-54), CV0509X-CS6 (680-106200-55), CV0509X-CS12 (680-106200-56), CV0509X-CS18 (680-106200-57), CV0613A-CS6 (680-106200-58), CV0613A-CS12 (680-106200-59), CV0613A-CS18 (680-106200-60), CV0613A-CS24 (680-106200-61) and CV0509KK-CS6 (680-106200-62) 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: 680-106200-4
SDG: 680-106200-04

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
680-106200-51	CV0753B-CS (0-4")	Solid	10/07/14 16:20	10/11/14 09:33
680-106200-52	CV0613E-CS (0-4")	Solid	10/07/14 15:40	10/11/14 09:33
680-106200-53	CV0509Y-CS (0-4")	Solid	10/07/14 11:30	10/11/14 09:33
680-106200-54	CV0509Y-CSD (0-4")	Solid	10/07/14 11:30	10/11/14 09:33
680-106200-55	CV0509X-CS6	Solid	10/07/14 10:20	10/11/14 09:33
680-106200-56	CV0509X-CS12	Solid	10/07/14 10:30	10/11/14 09:33
680-106200-57	CV0509X-CS18	Solid	10/07/14 10:40	10/11/14 09:33
680-106200-58	CV0613A-CS6	Solid	10/07/14 13:00	10/11/14 09:33
680-106200-59	CV0613A-CS12	Solid	10/07/14 13:10	10/11/14 09:33
680-106200-60	CV0613A-CS18	Solid	10/07/14 13:20	10/11/14 09:33
680-106200-61	CV0613A-CS24	Solid	10/07/14 13:30	10/11/14 09:33
680-106200-62	CV0509KK-CS6	Solid	10/07/14 14:10	10/11/14 09:33

Method Summary

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

TestAmerica Job ID: 680-106200-4
SDG: 680-106200-04

Method	Method Description	Protocol	Laboratory
8270D_LL_PAH	Semivolatile Organic Compounds (GC/MS) Low level PAH	SW846	TAL SAV
6010C	Metals (ICP)	SW846	TAL SAV
Moisture	Percent Moisture	EPA	TAL SAV

Protocol References:

EPA = US Environmental Protection Agency

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

Laboratory References:

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

Qualifiers

GC/MS Semi VOA

Qualifier	Qualifier Description
U	Indicates the analyte was analyzed for but not detected.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
D	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.
F1	MS and/or MSD Recovery exceeds the control limits

Metals

Qualifier	Qualifier Description
4	MS, MSD: The analyte present in the original sample is greater than 4 times the matrix spike concentration; therefore, control limits are not applicable.
F1	MS and/or MSD Recovery exceeds the control limits
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: 680-106200-4
SDG: 680-106200-04

Client Sample ID: CV0753B-CS (0-4")

Lab Sample ID: 680-106200-51

Date Collected: 10/07/14 16:20
Matrix: Solid
Date Received: 10/11/14 09:33
Percent Solids: 87.3

Method: 8270D_LL_PAH - Semivolatile Organic Compounds (GC/MS) Low level PAH

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	77	U	77	38	ug/Kg	☼	10/15/14 14:21	10/17/14 14:03	10
Acenaphthylene	77	U	77	38	ug/Kg	☼	10/15/14 14:21	10/17/14 14:03	10
Anthracene	**59**	**J**	77	38	ug/Kg	☼	10/15/14 14:21	10/17/14 14:03	10
Benzo[a]anthracene	**290**		77	38	ug/Kg	☼	10/15/14 14:21	10/17/14 14:03	10
Benzo[a]pyrene	**230**		77	14	ug/Kg	☼	10/15/14 14:21	10/17/14 14:03	10
Benzo[b]fluoranthene	**390**		77	38	ug/Kg	☼	10/15/14 14:21	10/17/14 14:03	10
Benzo[g,h,i]perylene	**160**		77	38	ug/Kg	☼	10/15/14 14:21	10/17/14 14:03	10
Benzo[k]fluoranthene	**120**		77	23	ug/Kg	☼	10/15/14 14:21	10/17/14 14:03	10
Chrysene	**390**		77	38	ug/Kg	☼	10/15/14 14:21	10/17/14 14:03	10
Dibenz(a,h)anthracene	**71**	**J**	77	38	ug/Kg	☼	10/15/14 14:21	10/17/14 14:03	10
Fluoranthene	**400**		77	38	ug/Kg	☼	10/15/14 14:21	10/17/14 14:03	10
Fluorene	77	U	77	38	ug/Kg	☼	10/15/14 14:21	10/17/14 14:03	10
Indeno[1,2,3-cd]pyrene	**110**		77	38	ug/Kg	☼	10/15/14 14:21	10/17/14 14:03	10
1-Methylnaphthalene	**350**		77	36	ug/Kg	☼	10/15/14 14:21	10/17/14 14:03	10
2-Methylnaphthalene	**250**		77	38	ug/Kg	☼	10/15/14 14:21	10/17/14 14:03	10
Naphthalene	**170**		77	38	ug/Kg	☼	10/15/14 14:21	10/17/14 14:03	10
Phenanthrene	**670**		77	27	ug/Kg	☼	10/15/14 14:21	10/17/14 14:03	10
Pyrene	**370**		77	38	ug/Kg	☼	10/15/14 14:21	10/17/14 14:03	10

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl	*0*	*D*	*36 - 131*	*10/15/14 14:21*	*10/17/14 14:03*	*10*

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**13000**		20	10	mg/Kg	☼	10/13/14 09:39	10/15/14 19:10	1
Arsenic	**28**		2.0	0.59	mg/Kg	☼	10/13/14 09:39	10/15/14 19:10	1
Iron	**41000**		20	7.0	mg/Kg	☼	10/13/14 09:39	10/15/14 19:10	1
Lead	**340**		1.0	0.53	mg/Kg	☼	10/13/14 09:39	10/15/14 19:10	1

Client Sample Results

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

TestAmerica Job ID: 680-106200-4
SDG: 680-106200-04

Client Sample ID: CV0613E-CS (0-4")

Lab Sample ID: 680-106200-52

Date Collected: 10/07/14 15:40
Matrix: Solid
Date Received: 10/11/14 09:33
Percent Solids: 94.1

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	16000		19	9.7	mg/Kg	☼	10/13/14 09:05	10/14/14 05:52	1
Arsenic	10		1.9	0.58	mg/Kg	☼	10/13/14 09:05	10/14/14 05:52	1
Iron	33000		19	6.8	mg/Kg	☼	10/13/14 09:05	10/14/14 05:52	1
Lead	140		0.97	0.52	mg/Kg	☼	10/13/14 09:05	10/14/14 05:52	1

Client Sample Results

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

TestAmerica Job ID: 680-106200-4
SDG: 680-106200-04

Client Sample ID: CV0509Y-CS (0-4")

Lab Sample ID: 680-106200-53

Date Collected: 10/07/14 11:30
Date Received: 10/11/14 09:33

Matrix: Solid
Percent Solids: 86.0

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	13000		23	11	mg/Kg	☼	10/13/14 09:39	10/15/14 19:40	1
Arsenic	26		2.3	0.67	mg/Kg	☼	10/13/14 09:39	10/15/14 19:40	1
Iron	37000		23	8.0	mg/Kg	☼	10/13/14 09:39	10/15/14 19:40	1
Lead	340		11	6.0	mg/Kg	☼	10/13/14 09:39	10/16/14 10:43	10

Client Sample Results

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

TestAmerica Job ID: 680-106200-4
SDG: 680-106200-04

Client Sample ID: CV0509Y-CSD (0-4")

Lab Sample ID: 680-106200-54

Date Collected: 10/07/14 11:30
Matrix: Solid
Date Received: 10/11/14 09:33
Percent Solids: 80.4

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	14000		23	12	mg/Kg	☼	10/13/14 09:05	10/14/14 05:48	1
Arsenic	24		2.3	0.69	mg/Kg	☼	10/13/14 09:05	10/14/14 05:48	1
Iron	35000		23	8.1	mg/Kg	☼	10/13/14 09:05	10/14/14 05:48	1
Lead	280		12	6.2	mg/Kg	☼	10/13/14 09:05	10/15/14 12:38	10

Client Sample Results

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

TestAmerica Job ID: 680-106200-4
SDG: 680-106200-04

Client Sample ID: CV0509X-CS6

Lab Sample ID: 680-106200-55

Date Collected: 10/07/14 10:20
Date Received: 10/11/14 09:33

Matrix: Solid
Percent Solids: 80.6

Method: 8270D_LL_PAH - Semivolatile Organic Compounds (GC/MS) Low level PAH

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	84		83	41	ug/Kg	☼	10/15/14 14:21	10/17/14 17:45	10
Acenaphthylene	83	U	83	41	ug/Kg	☼	10/15/14 14:21	10/17/14 17:45	10
Anthracene	210		83	41	ug/Kg	☼	10/15/14 14:21	10/17/14 17:45	10
Benzo[a]anthracene	1100		83	41	ug/Kg	☼	10/15/14 14:21	10/17/14 17:45	10
Benzo[a]pyrene	1100		83	15	ug/Kg	☼	10/15/14 14:21	10/17/14 17:45	10
Benzo[b]fluoranthene	1600		83	41	ug/Kg	☼	10/15/14 14:21	10/17/14 17:45	10
Benzo[g,h,i]perylene	690		83	41	ug/Kg	☼	10/15/14 14:21	10/17/14 17:45	10
Benzo[k]fluoranthene	560		83	25	ug/Kg	☼	10/15/14 14:21	10/17/14 17:45	10
Chrysene	1200		83	41	ug/Kg	☼	10/15/14 14:21	10/17/14 17:45	10
Dibenz(a,h)anthracene	310		83	41	ug/Kg	☼	10/15/14 14:21	10/17/14 17:45	10
Fluoranthene	1900		83	41	ug/Kg	☼	10/15/14 14:21	10/17/14 17:45	10
Fluorene	75	J	83	41	ug/Kg	☼	10/15/14 14:21	10/17/14 17:45	10
Indeno[1,2,3-cd]pyrene	520		83	41	ug/Kg	☼	10/15/14 14:21	10/17/14 17:45	10
1-Methylnaphthalene	60	J	83	38	ug/Kg	☼	10/15/14 14:21	10/17/14 17:45	10
2-Methylnaphthalene	75	J	83	41	ug/Kg	☼	10/15/14 14:21	10/17/14 17:45	10
Naphthalene	63	J	83	41	ug/Kg	☼	10/15/14 14:21	10/17/14 17:45	10
Phenanthrene	860		83	30	ug/Kg	☼	10/15/14 14:21	10/17/14 17:45	10
Pyrene	1800		83	41	ug/Kg	☼	10/15/14 14:21	10/17/14 17:45	10

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl	*0*	*D*	*36 - 131*	*10/15/14 14:21*	*10/17/14 17:45*	*10*

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	13000		23	11	mg/Kg	☼	10/13/14 09:39	10/15/14 20:48	1
Arsenic	18		2.3	0.68	mg/Kg	☼	10/13/14 09:39	10/15/14 20:48	1
Iron	33000		23	8.0	mg/Kg	☼	10/13/14 09:39	10/15/14 20:48	1
Lead	80		1.1	0.61	mg/Kg	☼	10/13/14 09:39	10/15/14 20:48	1

Client Sample Results

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

TestAmerica Job ID: 680-106200-4
SDG: 680-106200-04

Client Sample ID: CV0509X-CS12

Lab Sample ID: 680-106200-56

Date Collected: 10/07/14 10:30
Date Received: 10/11/14 09:33

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	53	J	75	37	ug/Kg	☼	10/15/14 14:21	10/17/14 18:07	10
Acenaphthylene	75	U	75	37	ug/Kg	☼	10/15/14 14:21	10/17/14 18:07	10
Anthracene	94		75	37	ug/Kg	☼	10/15/14 14:21	10/17/14 18:07	10
Benzo[a]anthracene	390		75	37	ug/Kg	☼	10/15/14 14:21	10/17/14 18:07	10
Benzo[a]pyrene	350		75	13	ug/Kg	☼	10/15/14 14:21	10/17/14 18:07	10
Benzo[b]fluoranthene	510		75	37	ug/Kg	☼	10/15/14 14:21	10/17/14 18:07	10
Benzo[g,h,i]perylene	290		75	37	ug/Kg	☼	10/15/14 14:21	10/17/14 18:07	10
Benzo[k]fluoranthene	240		75	22	ug/Kg	☼	10/15/14 14:21	10/17/14 18:07	10
Chrysene	400		75	37	ug/Kg	☼	10/15/14 14:21	10/17/14 18:07	10
Dibenz(a,h)anthracene	150		75	37	ug/Kg	☼	10/15/14 14:21	10/17/14 18:07	10
Fluoranthene	690		75	37	ug/Kg	☼	10/15/14 14:21	10/17/14 18:07	10
Fluorene	48	J	75	37	ug/Kg	☼	10/15/14 14:21	10/17/14 18:07	10
Indeno[1,2,3-cd]pyrene	190		75	37	ug/Kg	☼	10/15/14 14:21	10/17/14 18:07	10
1-Methylnaphthalene	75	U	75	35	ug/Kg	☼	10/15/14 14:21	10/17/14 18:07	10
2-Methylnaphthalene	40	J	75	37	ug/Kg	☼	10/15/14 14:21	10/17/14 18:07	10
Naphthalene	75	U	75	37	ug/Kg	☼	10/15/14 14:21	10/17/14 18:07	10
Phenanthrene	420		75	27	ug/Kg	☼	10/15/14 14:21	10/17/14 18:07	10
Pyrene	620		75	37	ug/Kg	☼	10/15/14 14:21	10/17/14 18:07	10

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl	*0*	*D*	*36 - 131*	*10/15/14 14:21*	*10/17/14 18:07*	*10*

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	11000		20	9.8	mg/Kg	☼	10/13/14 09:05	10/14/14 05:56	1
Arsenic	11		2.0	0.58	mg/Kg	☼	10/13/14 09:05	10/14/14 05:56	1
Iron	31000		20	6.8	mg/Kg	☼	10/13/14 09:05	10/14/14 05:56	1
Lead	39		0.98	0.52	mg/Kg	☼	10/13/14 09:05	10/14/14 05:56	1

Client Sample Results

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

TestAmerica Job ID: 680-106200-4
SDG: 680-106200-04

Client Sample ID: CV0509X-CS18

Lab Sample ID: 680-106200-57

Date Collected: 10/07/14 10:40
Date Received: 10/11/14 09:33

Matrix: Solid
Percent Solids: 88.6

Method: 8270D_LL_PAH - Semivolatile Organic Compounds (GC/MS) Low level PAH

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	7.6	U	7.6	3.7	ug/Kg	☼	10/15/14 14:21	10/17/14 18:29	1
Acenaphthylene	7.6	U	7.6	3.7	ug/Kg	☼	10/15/14 14:21	10/17/14 18:29	1
Anthracene	7.6	U	7.6	3.7	ug/Kg	☼	10/15/14 14:21	10/17/14 18:29	1
Benzo[a]anthracene	**7.0**	**J**	7.6	3.7	ug/Kg	☼	10/15/14 14:21	10/17/14 18:29	1
Benzo[a]pyrene	7.6	U	7.6	1.4	ug/Kg	☼	10/15/14 14:21	10/17/14 18:29	1
Benzo[b]fluoranthene	**12**		7.6	3.7	ug/Kg	☼	10/15/14 14:21	10/17/14 18:29	1
Benzo[g,h,i]perylene	**6.3**	**J**	7.6	3.7	ug/Kg	☼	10/15/14 14:21	10/17/14 18:29	1
Benzo[k]fluoranthene	**4.7**	**J**	7.6	2.3	ug/Kg	☼	10/15/14 14:21	10/17/14 18:29	1
Chrysene	**9.8**		7.6	3.7	ug/Kg	☼	10/15/14 14:21	10/17/14 18:29	1
Dibenz(a,h)anthracene	7.6	U	7.6	3.7	ug/Kg	☼	10/15/14 14:21	10/17/14 18:29	1
Fluoranthene	**12**		7.6	3.7	ug/Kg	☼	10/15/14 14:21	10/17/14 18:29	1
Fluorene	7.6	U	7.6	3.7	ug/Kg	☼	10/15/14 14:21	10/17/14 18:29	1
Indeno[1,2,3-cd]pyrene	**4.8**	**J**	7.6	3.7	ug/Kg	☼	10/15/14 14:21	10/17/14 18:29	1
1-Methylnaphthalene	7.6	U	7.6	3.5	ug/Kg	☼	10/15/14 14:21	10/17/14 18:29	1
2-Methylnaphthalene	7.6	U	7.6	3.7	ug/Kg	☼	10/15/14 14:21	10/17/14 18:29	1
Naphthalene	7.6	U	7.6	3.7	ug/Kg	☼	10/15/14 14:21	10/17/14 18:29	1
Phenanthrene	**6.3**	**J**	7.6	2.7	ug/Kg	☼	10/15/14 14:21	10/17/14 18:29	1
Pyrene	**13**		7.6	3.7	ug/Kg	☼	10/15/14 14:21	10/17/14 18:29	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl	*91*		*36 - 131*	*10/15/14 14:21*	*10/17/14 18:29*	*1*

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**11000**		22	11	mg/Kg	☼	10/13/14 09:39	10/15/14 20:36	1
Arsenic	**8.8**		2.2	0.66	mg/Kg	☼	10/13/14 09:39	10/15/14 20:36	1
Iron	**35000**		22	7.8	mg/Kg	☼	10/13/14 09:39	10/15/14 20:36	1
Lead	**30**		1.1	0.59	mg/Kg	☼	10/13/14 09:39	10/15/14 20:36	1

Client Sample Results

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

TestAmerica Job ID: 680-106200-4
SDG: 680-106200-04

Client Sample ID: CV0613A-CS6

Lab Sample ID: 680-106200-58

Date Collected: 10/07/14 13:00
Date Received: 10/11/14 09:33

Matrix: Solid
Percent Solids: 93.0

Method: 8270D_LL_PAH - Semivolatile Organic Compounds (GC/MS) Low level PAH

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	72	U	72	35	ug/Kg	☼	10/15/14 14:21	10/17/14 18:52	10
Acenaphthylene	**49**	**J**	72	35	ug/Kg	☼	10/15/14 14:21	10/17/14 18:52	10
Anthracene	**92**		72	35	ug/Kg	☼	10/15/14 14:21	10/17/14 18:52	10
Benzo[a]anthracene	**380**		72	35	ug/Kg	☼	10/15/14 14:21	10/17/14 18:52	10
Benzo[a]pyrene	**440**		72	13	ug/Kg	☼	10/15/14 14:21	10/17/14 18:52	10
Benzo[b]fluoranthene	**850**		72	35	ug/Kg	☼	10/15/14 14:21	10/17/14 18:52	10
Benzo[g,h,i]perylene	**320**		72	35	ug/Kg	☼	10/15/14 14:21	10/17/14 18:52	10
Benzo[k]fluoranthene	**250**		72	21	ug/Kg	☼	10/15/14 14:21	10/17/14 18:52	10
Chrysene	**490**		72	35	ug/Kg	☼	10/15/14 14:21	10/17/14 18:52	10
Dibenz(a,h)anthracene	**180**		72	35	ug/Kg	☼	10/15/14 14:21	10/17/14 18:52	10
Fluoranthene	**510**		72	35	ug/Kg	☼	10/15/14 14:21	10/17/14 18:52	10
Fluorene	72	U	72	35	ug/Kg	☼	10/15/14 14:21	10/17/14 18:52	10
Indeno[1,2,3-cd]pyrene	**220**		72	35	ug/Kg	☼	10/15/14 14:21	10/17/14 18:52	10
1-Methylnaphthalene	**40**	**J**	72	33	ug/Kg	☼	10/15/14 14:21	10/17/14 18:52	10
2-Methylnaphthalene	**54**	**J**	72	35	ug/Kg	☼	10/15/14 14:21	10/17/14 18:52	10
Naphthalene	**54**	**J**	72	35	ug/Kg	☼	10/15/14 14:21	10/17/14 18:52	10
Phenanthrene	**250**		72	26	ug/Kg	☼	10/15/14 14:21	10/17/14 18:52	10
Pyrene	**600**		72	35	ug/Kg	☼	10/15/14 14:21	10/17/14 18:52	10

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl	*0*	*D*	*36 - 131*	*10/15/14 14:21*	*10/17/14 18:52*	*10*

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**11000**		21	11	mg/Kg	☼	10/13/14 09:39	10/15/14 19:57	1
Arsenic	**22**		2.1	0.63	mg/Kg	☼	10/13/14 09:39	10/15/14 19:57	1
Iron	**33000**		21	7.5	mg/Kg	☼	10/13/14 09:39	10/15/14 19:57	1
Lead	**83**		1.1	0.56	mg/Kg	☼	10/13/14 09:39	10/15/14 19:57	1

Client Sample Results

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

TestAmerica Job ID: 680-106200-4
SDG: 680-106200-04

Client Sample ID: CV0613A-CS12

Lab Sample ID: 680-106200-59

Date Collected: 10/07/14 13:10
Date Received: 10/11/14 09:33

Matrix: Solid
Percent Solids: 92.3

Method: 8270D_LL_PAH - Semivolatile Organic Compounds (GC/MS) Low level PAH

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	22		7.2	3.6	ug/Kg	☼	10/15/14 14:21	10/17/14 19:14	1
Acenaphthylene	7.2	U	7.2	3.6	ug/Kg	☼	10/15/14 14:21	10/17/14 19:14	1
Anthracene	44		7.2	3.6	ug/Kg	☼	10/15/14 14:21	10/17/14 19:14	1
Benzo[a]anthracene	120		7.2	3.6	ug/Kg	☼	10/15/14 14:21	10/17/14 19:14	1
Benzo[a]pyrene	110		7.2	1.3	ug/Kg	☼	10/15/14 14:21	10/17/14 19:14	1
Benzo[b]fluoranthene	150		7.2	3.6	ug/Kg	☼	10/15/14 14:21	10/17/14 19:14	1
Benzo[g,h,i]perylene	79		7.2	3.6	ug/Kg	☼	10/15/14 14:21	10/17/14 19:14	1
Benzo[k]fluoranthene	67		7.2	2.2	ug/Kg	☼	10/15/14 14:21	10/17/14 19:14	1
Chrysene	130		7.2	3.6	ug/Kg	☼	10/15/14 14:21	10/17/14 19:14	1
Dibenz(a,h)anthracene	34		7.2	3.6	ug/Kg	☼	10/15/14 14:21	10/17/14 19:14	1
Fluoranthene	230		7.2	3.6	ug/Kg	☼	10/15/14 14:21	10/17/14 19:14	1
Fluorene	21		7.2	3.6	ug/Kg	☼	10/15/14 14:21	10/17/14 19:14	1
Indeno[1,2,3-cd]pyrene	57		7.2	3.6	ug/Kg	☼	10/15/14 14:21	10/17/14 19:14	1
1-Methylnaphthalene	20		7.2	3.4	ug/Kg	☼	10/15/14 14:21	10/17/14 19:14	1
2-Methylnaphthalene	21		7.2	3.6	ug/Kg	☼	10/15/14 14:21	10/17/14 19:14	1
Naphthalene	27		7.2	3.6	ug/Kg	☼	10/15/14 14:21	10/17/14 19:14	1
Phenanthrene	190		7.2	2.6	ug/Kg	☼	10/15/14 14:21	10/17/14 19:14	1
Pyrene	220		7.2	3.6	ug/Kg	☼	10/15/14 14:21	10/17/14 19:14	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl	*92*		*36 - 131*	*10/15/14 14:21*	*10/17/14 19:14*	*1*

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	14000		19	9.3	mg/Kg	☼	10/13/14 09:39	10/15/14 20:14	1
Arsenic	42		1.9	0.55	mg/Kg	☼	10/13/14 09:39	10/15/14 20:14	1
Iron	68000		19	6.5	mg/Kg	☼	10/13/14 09:39	10/15/14 20:14	1
Lead	63		9.3	5.0	mg/Kg	☼	10/13/14 09:39	10/16/14 11:00	10

Client Sample Results

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

TestAmerica Job ID: 680-106200-4
SDG: 680-106200-04

Client Sample ID: CV0613A-CS18

Lab Sample ID: 680-106200-60

Date Collected: 10/07/14 13:20
Matrix: Solid
Date Received: 10/11/14 09:33
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	7.5	U	7.5	3.7	ug/Kg	☼	10/15/14 14:21	10/17/14 19:36	1
Acenaphthylene	7.5	U	7.5	3.7	ug/Kg	☼	10/15/14 14:21	10/17/14 19:36	1
Anthracene	**3.8**	**J**	7.5	3.7	ug/Kg	☼	10/15/14 14:21	10/17/14 19:36	1
Benzo[a]anthracene	**28**		7.5	3.7	ug/Kg	☼	10/15/14 14:21	10/17/14 19:36	1
Benzo[a]pyrene	**29**		7.5	1.3	ug/Kg	☼	10/15/14 14:21	10/17/14 19:36	1
Benzo[b]fluoranthene	**49**		7.5	3.7	ug/Kg	☼	10/15/14 14:21	10/17/14 19:36	1
Benzo[g,h,i]perylene	**27**		7.5	3.7	ug/Kg	☼	10/15/14 14:21	10/17/14 19:36	1
Benzo[k]fluoranthene	**16**		7.5	2.2	ug/Kg	☼	10/15/14 14:21	10/17/14 19:36	1
Chrysene	**37**		7.5	3.7	ug/Kg	☼	10/15/14 14:21	10/17/14 19:36	1
Dibenz(a,h)anthracene	**9.6**		7.5	3.7	ug/Kg	☼	10/15/14 14:21	10/17/14 19:36	1
Fluoranthene	**45**		7.5	3.7	ug/Kg	☼	10/15/14 14:21	10/17/14 19:36	1
Fluorene	7.5	U	7.5	3.7	ug/Kg	☼	10/15/14 14:21	10/17/14 19:36	1
Indeno[1,2,3-cd]pyrene	**17**		7.5	3.7	ug/Kg	☼	10/15/14 14:21	10/17/14 19:36	1
1-Methylnaphthalene	**4.7**	**J**	7.5	3.5	ug/Kg	☼	10/15/14 14:21	10/17/14 19:36	1
2-Methylnaphthalene	**5.5**	**J**	7.5	3.7	ug/Kg	☼	10/15/14 14:21	10/17/14 19:36	1
Naphthalene	**4.5**	**J**	7.5	3.7	ug/Kg	☼	10/15/14 14:21	10/17/14 19:36	1
Phenanthrene	**22**		7.5	2.7	ug/Kg	☼	10/15/14 14:21	10/17/14 19:36	1
Pyrene	**49**		7.5	3.7	ug/Kg	☼	10/15/14 14:21	10/17/14 19:36	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl	*103*		*36 - 131*	*10/15/14 14:21*	*10/17/14 19:36*	*1*

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**17000**		21	10	mg/Kg	☼	10/13/14 09:39	10/15/14 19:44	1
Arsenic	**62**		2.1	0.61	mg/Kg	☼	10/13/14 09:39	10/15/14 19:44	1
Iron	**73000**		21	7.2	mg/Kg	☼	10/13/14 09:39	10/15/14 19:44	1
Lead	**32**		1.0	0.54	mg/Kg	☼	10/13/14 09:39	10/15/14 19:44	1

Client Sample Results

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

TestAmerica Job ID: 680-106200-4
SDG: 680-106200-04

Client Sample ID: CV0613A-CS24

Lab Sample ID: 680-106200-61

Date Collected: 10/07/14 13:30
Date Received: 10/11/14 09:33

Matrix: Solid
Percent Solids: 87.2

Method: 8270D_LL_PAH - Semivolatile Organic Compounds (GC/MS) Low level PAH

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	7.7	U	7.7	3.8	ug/Kg	☼	10/15/14 14:21	10/17/14 19:58	1
Acenaphthylene	7.7	U	7.7	3.8	ug/Kg	☼	10/15/14 14:21	10/17/14 19:58	1
Anthracene	7.7	U	7.7	3.8	ug/Kg	☼	10/15/14 14:21	10/17/14 19:58	1
Benzo[a]anthracene	7.7	U	7.7	3.8	ug/Kg	☼	10/15/14 14:21	10/17/14 19:58	1
Benzo[a]pyrene	**3.7**	**J**	7.7	1.4	ug/Kg	☼	10/15/14 14:21	10/17/14 19:58	1
Benzo[b]fluoranthene	**5.7**	**J**	7.7	3.8	ug/Kg	☼	10/15/14 14:21	10/17/14 19:58	1
Benzo[g,h,i]perylene	**3.8**	**J**	7.7	3.8	ug/Kg	☼	10/15/14 14:21	10/17/14 19:58	1
Benzo[k]fluoranthene	**2.9**	**J**	7.7	2.3	ug/Kg	☼	10/15/14 14:21	10/17/14 19:58	1
Chrysene	**4.2**	**J**	7.7	3.8	ug/Kg	☼	10/15/14 14:21	10/17/14 19:58	1
Dibenz(a,h)anthracene	7.7	U	7.7	3.8	ug/Kg	☼	10/15/14 14:21	10/17/14 19:58	1
Fluoranthene	7.7	U	7.7	3.8	ug/Kg	☼	10/15/14 14:21	10/17/14 19:58	1
Fluorene	7.7	U	7.7	3.8	ug/Kg	☼	10/15/14 14:21	10/17/14 19:58	1
Indeno[1,2,3-cd]pyrene	7.7	U	7.7	3.8	ug/Kg	☼	10/15/14 14:21	10/17/14 19:58	1
1-Methylnaphthalene	7.7	U	7.7	3.6	ug/Kg	☼	10/15/14 14:21	10/17/14 19:58	1
2-Methylnaphthalene	7.7	U	7.7	3.8	ug/Kg	☼	10/15/14 14:21	10/17/14 19:58	1
Naphthalene	7.7	U	7.7	3.8	ug/Kg	☼	10/15/14 14:21	10/17/14 19:58	1
Phenanthrene	7.7	U	7.7	2.8	ug/Kg	☼	10/15/14 14:21	10/17/14 19:58	1
Pyrene	**4.3**	**J**	7.7	3.8	ug/Kg	☼	10/15/14 14:21	10/17/14 19:58	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl	*102*		*36 - 131*	*10/15/14 14:21*	*10/17/14 19:58*	*1*

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**18000**		21	11	mg/Kg	☼	10/13/14 09:05	10/14/14 06:01	1
Arsenic	**40**		2.1	0.63	mg/Kg	☼	10/13/14 09:05	10/14/14 06:01	1
Iron	**57000**		21	7.5	mg/Kg	☼	10/13/14 09:05	10/14/14 06:01	1
Lead	**20**		1.1	0.57	mg/Kg	☼	10/13/14 09:05	10/14/14 06:01	1

Client Sample Results

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

TestAmerica Job ID: 680-106200-4
SDG: 680-106200-04

Client Sample ID: CV0509KK-CS6

Lab Sample ID: 680-106200-62

Date Collected: 10/07/14 14:10
Matrix: Solid
Date Received: 10/11/14 09:33
Percent Solids: 94.8

Method: 8270D_LL_PAH - Semivolatile Organic Compounds (GC/MS) Low level PAH

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	**49**	**J**	71	35	ug/Kg	☼	10/15/14 14:21	10/17/14 20:20	10
Acenaphthylene	71	U	71	35	ug/Kg	☼	10/15/14 14:21	10/17/14 20:20	10
Anthracene	**120**		71	35	ug/Kg	☼	10/15/14 14:21	10/17/14 20:20	10
Benzo[a]anthracene	**450**		71	35	ug/Kg	☼	10/15/14 14:21	10/17/14 20:20	10
Benzo[a]pyrene	**430**		71	13	ug/Kg	☼	10/15/14 14:21	10/17/14 20:20	10
Benzo[b]fluoranthene	**660**		71	35	ug/Kg	☼	10/15/14 14:21	10/17/14 20:20	10
Benzo[g,h,i]perylene	**310**		71	35	ug/Kg	☼	10/15/14 14:21	10/17/14 20:20	10
Benzo[k]fluoranthene	**210**		71	21	ug/Kg	☼	10/15/14 14:21	10/17/14 20:20	10
Chrysene	**460**		71	35	ug/Kg	☼	10/15/14 14:21	10/17/14 20:20	10
Dibenz(a,h)anthracene	**170**		71	35	ug/Kg	☼	10/15/14 14:21	10/17/14 20:20	10
Fluoranthene	**740**		71	35	ug/Kg	☼	10/15/14 14:21	10/17/14 20:20	10
Fluorene	**48**	**J**	71	35	ug/Kg	☼	10/15/14 14:21	10/17/14 20:20	10
Indeno[1,2,3-cd]pyrene	**220**		71	35	ug/Kg	☼	10/15/14 14:21	10/17/14 20:20	10
1-Methylnaphthalene	71	U	71	33	ug/Kg	☼	10/15/14 14:21	10/17/14 20:20	10
2-Methylnaphthalene	71	U	71	35	ug/Kg	☼	10/15/14 14:21	10/17/14 20:20	10
Naphthalene	71	U	71	35	ug/Kg	☼	10/15/14 14:21	10/17/14 20:20	10
Phenanthrene	**470**		71	25	ug/Kg	☼	10/15/14 14:21	10/17/14 20:20	10
Pyrene	**740**		71	35	ug/Kg	☼	10/15/14 14:21	10/17/14 20:20	10

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl	*0*	*D*	*36 - 131*	*10/15/14 14:21*	*10/17/14 20:20*	*10*

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**6000**		19	9.3	mg/Kg	☼	10/13/14 09:39	10/15/14 20:18	1
Arsenic	**12**		1.9	0.55	mg/Kg	☼	10/13/14 09:39	10/15/14 20:18	1
Iron	**19000**		19	6.5	mg/Kg	☼	10/13/14 09:39	10/15/14 20:18	1
Lead	**40**		0.93	0.49	mg/Kg	☼	10/13/14 09:39	10/15/14 20:18	1

Method: 8270D_LL_PAH - Semivolatile Organic Compounds (GC/MS) Low level PAH

Lab Sample ID: MB 680-353671/19-A
Matrix: Solid
Analysis Batch: 354069

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 353671

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	6.7	U	6.7	3.3	ug/Kg		10/15/14 14:21	10/17/14 11:06	1
Acenaphthylene	6.7	U	6.7	3.3	ug/Kg		10/15/14 14:21	10/17/14 11:06	1
Anthracene	6.7	U	6.7	3.3	ug/Kg		10/15/14 14:21	10/17/14 11:06	1
Benzo[a]anthracene	6.7	U	6.7	3.3	ug/Kg		10/15/14 14:21	10/17/14 11:06	1
Benzo[a]pyrene	6.7	U	6.7	1.2	ug/Kg		10/15/14 14:21	10/17/14 11:06	1
Benzo[b]fluoranthene	6.7	U	6.7	3.3	ug/Kg		10/15/14 14:21	10/17/14 11:06	1
Benzo[g,h,i]perylene	6.7	U	6.7	3.3	ug/Kg		10/15/14 14:21	10/17/14 11:06	1
Benzo[k]fluoranthene	6.7	U	6.7	2.0	ug/Kg		10/15/14 14:21	10/17/14 11:06	1
Chrysene	6.7	U	6.7	3.3	ug/Kg		10/15/14 14:21	10/17/14 11:06	1
Dibenz(a,h)anthracene	6.7	U	6.7	3.3	ug/Kg		10/15/14 14:21	10/17/14 11:06	1
Fluoranthene	6.7	U	6.7	3.3	ug/Kg		10/15/14 14:21	10/17/14 11:06	1
Fluorene	6.7	U	6.7	3.3	ug/Kg		10/15/14 14:21	10/17/14 11:06	1
Indeno[1,2,3-cd]pyrene	6.7	U	6.7	3.3	ug/Kg		10/15/14 14:21	10/17/14 11:06	1
1-Methylnaphthalene	6.7	U	6.7	3.1	ug/Kg		10/15/14 14:21	10/17/14 11:06	1
2-Methylnaphthalene	6.7	U	6.7	3.3	ug/Kg		10/15/14 14:21	10/17/14 11:06	1
Naphthalene	6.7	U	6.7	3.3	ug/Kg		10/15/14 14:21	10/17/14 11:06	1
Phenanthrene	6.7	U	6.7	2.4	ug/Kg		10/15/14 14:21	10/17/14 11:06	1
Pyrene	6.7	U	6.7	3.3	ug/Kg		10/15/14 14:21	10/17/14 11:06	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl	*107*		*36 - 131*	*10/15/14 14:21*	*10/17/14 11:06*	*1*

Lab Sample ID: LCS 680-353671/20-A
Matrix: Solid
Analysis Batch: 354069

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 353671

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Acenaphthene	333	226		ug/Kg		68	33 - 130
Acenaphthylene	333	221		ug/Kg		67	37 - 131
Anthracene	333	243		ug/Kg		73	42 - 146
Benzo[a]anthracene	333	255		ug/Kg		77	39 - 157
Benzo[a]pyrene	333	261		ug/Kg		79	41 - 158
Benzo[b]fluoranthene	333	275		ug/Kg		83	35 - 152
Benzo[g,h,i]perylene	333	232		ug/Kg		70	32 - 150
Benzo[k]fluoranthene	333	257		ug/Kg		77	38 - 148
Chrysene	333	274		ug/Kg		82	38 - 147
Dibenz(a,h)anthracene	333	251		ug/Kg		75	32 - 155
Fluoranthene	333	253		ug/Kg		76	36 - 147
Fluorene	333	233		ug/Kg		70	36 - 138
Indeno[1,2,3-cd]pyrene	333	223		ug/Kg		67	35 - 148
1-Methylnaphthalene	333	236		ug/Kg		71	36 - 130
2-Methylnaphthalene	333	232		ug/Kg		70	42 - 130
Naphthalene	333	225		ug/Kg		68	33 - 130
Phenanthrene	333	238		ug/Kg		71	40 - 135
Pyrene	333	252		ug/Kg		76	38 - 145

Method: 8270D_LL_PAH - Semivolatile Organic Compounds (GC/MS) Low level PAH (Continued)

Lab Sample ID: LCS 680-353671/20-A — **Client Sample ID: Lab Control Sample**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 354069 — **Prep Batch: 353671**

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
o-Terphenyl	*83*		*36 - 131*

Lab Sample ID: LCSD 680-353671/23-A — **Client Sample ID: Lab Control Sample Dup**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 354069 — **Prep Batch: 353671**

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Acenaphthene	333	224		ug/Kg		67	33 - 130	1	50
Acenaphthylene	333	220		ug/Kg		66	37 - 131	1	50
Anthracene	333	242		ug/Kg		73	42 - 146	1	50
Benzo[a]anthracene	333	260		ug/Kg		78	39 - 157	2	50
Benzo[a]pyrene	333	256		ug/Kg		77	41 - 158	2	50
Benzo[b]fluoranthene	333	259		ug/Kg		78	35 - 152	6	50
Benzo[g,h,i]perylene	333	236		ug/Kg		71	32 - 150	2	50
Benzo[k]fluoranthene	333	271		ug/Kg		81	38 - 148	5	50
Chrysene	333	262		ug/Kg		79	38 - 147	4	50
Dibenz(a,h)anthracene	333	247		ug/Kg		74	32 - 155	2	50
Fluoranthene	333	252		ug/Kg		76	36 - 147	0	50
Fluorene	333	224		ug/Kg		67	36 - 138	4	50
Indeno[1,2,3-cd]pyrene	333	201		ug/Kg		60	35 - 148	10	50
1-Methylnaphthalene	333	217		ug/Kg		65	36 - 130	9	50
2-Methylnaphthalene	333	218		ug/Kg		65	42 - 130	6	50
Naphthalene	333	214		ug/Kg		64	33 - 130	5	50
Phenanthrene	333	235		ug/Kg		70	40 - 135	1	50
Pyrene	333	248		ug/Kg		74	38 - 145	2	50

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
o-Terphenyl	*82*		*36 - 131*

Lab Sample ID: 680-106200-51 MS — **Client Sample ID: CV0753B-CS (0-4")**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 354069 — **Prep Batch: 353671**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Acenaphthene	77	U	382	212		ug/Kg	☼	56	33 - 130
Acenaphthylene	77	U	382	183		ug/Kg	☼	48	37 - 131
Anthracene	59	J	382	193	F1	ug/Kg	☼	35	42 - 146
Benzo[a]anthracene	290		382	307	F1	ug/Kg	☼	6	39 - 157
Benzo[a]pyrene	230		382	267	F1	ug/Kg	☼	10	41 - 158
Benzo[b]fluoranthene	390		382	373	F1	ug/Kg	☼	-6	35 - 152
Benzo[g,h,i]perylene	160		382	192	F1	ug/Kg	☼	9	32 - 150
Benzo[k]fluoranthene	120		382	253	F1	ug/Kg	☼	36	38 - 148
Chrysene	390		382	415	F1	ug/Kg	☼	6	38 - 147
Dibenz(a,h)anthracene	71	J	382	164	F1	ug/Kg	☼	25	32 - 155
Fluoranthene	400		382	378	F1	ug/Kg	☼	-6	36 - 147
Fluorene	77	U	382	205		ug/Kg	☼	54	36 - 138
Indeno[1,2,3-cd]pyrene	110		382	157	F1	ug/Kg	☼	12	35 - 148
1-Methylnaphthalene	350		382	472	F1	ug/Kg	☼	33	36 - 130

Method: 8270D_LL_PAH - Semivolatile Organic Compounds (GC/MS) Low level PAH (Continued)

Lab Sample ID: 680-106200-51 MS — **Client Sample ID: CV0753B-CS (0-4")**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 354069 — **Prep Batch: 353671**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
2-Methylnaphthalene	250		382	518		ug/Kg	☼	70	42 - 130
Naphthalene	170		382	451		ug/Kg	☼	73	33 - 130
Phenanthrene	670		382	445	F1	ug/Kg	☼	-59	40 - 135
Pyrene	370		382	401	F1	ug/Kg	☼	7	38 - 145

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
o-Terphenyl	*0*	*D*	*36 - 131*

Lab Sample ID: 680-106200-51 MSD — **Client Sample ID: CV0753B-CS (0-4")**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 354069 — **Prep Batch: 353671**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Acenaphthene	77	U	381	189		ug/Kg	☼	49	33 - 130	12	50
Acenaphthylene	77	U	381	175		ug/Kg	☼	46	37 - 131	4	50
Anthracene	59	J	381	187	F1	ug/Kg	☼	34	42 - 146	3	50
Benzo[a]anthracene	290		381	339	F1	ug/Kg	☼	14	39 - 157	10	50
Benzo[a]pyrene	230		381	251	F1	ug/Kg	☼	6	41 - 158	6	50
Benzo[b]fluoranthene	390		381	410	F1	ug/Kg	☼	4	35 - 152	9	50
Benzo[g,h,i]perylene	160		381	187	F1	ug/Kg	☼	8	32 - 150	2	50
Benzo[k]fluoranthene	120		381	203	F1	ug/Kg	☼	23	38 - 148	22	50
Chrysene	390		381	382	F1	ug/Kg	☼	-3	38 - 147	8	50
Dibenz(a,h)anthracene	71	J	381	160	F1	ug/Kg	☼	23	32 - 155	3	50
Fluoranthene	400		381	446	F1	ug/Kg	☼	12	36 - 147	17	50
Fluorene	77	U	381	182		ug/Kg	☼	48	36 - 138	12	50
Indeno[1,2,3-cd]pyrene	110		381	154	F1	ug/Kg	☼	11	35 - 148	2	50
1-Methylnaphthalene	350		381	372	F1	ug/Kg	☼	7	36 - 130	24	50
2-Methylnaphthalene	250		381	382	F1	ug/Kg	☼	34	42 - 130	30	50
Naphthalene	170		381	359		ug/Kg	☼	49	33 - 130	23	50
Phenanthrene	670		381	484	F1	ug/Kg	☼	-49	40 - 135	8	50
Pyrene	370		381	456	F1	ug/Kg	☼	22	38 - 145	13	50

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
o-Terphenyl	*0*	*D*	*36 - 131*

Method: 6010C - Metals (ICP)

Lab Sample ID: MB 680-353249/1-A — **Client Sample ID: Method Blank**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 353429 — **Prep Batch: 353249**

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	18	U	18	9.0	mg/Kg		10/13/14 09:05	10/14/14 04:04	1
Arsenic	1.8	U	1.8	0.53	mg/Kg		10/13/14 09:05	10/14/14 04:04	1
Iron	18	U	18	6.3	mg/Kg		10/13/14 09:05	10/14/14 04:04	1
Lead	0.90	U	0.90	0.48	mg/Kg		10/13/14 09:05	10/14/14 04:04	1

Method: 6010C - Metals (ICP) (Continued)

Lab Sample ID: LCS 680-353249/2-A — **Client Sample ID: Lab Control Sample**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 353429 — **Prep Batch: 353249**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Aluminum	463	440		mg/Kg		95	80 - 120
Arsenic	9.26	8.82		mg/Kg		95	80 - 120
Iron	463	457		mg/Kg		99	80 - 120
Lead	46.3	45.6		mg/Kg		98	80 - 120

Lab Sample ID: MB 680-353262/1-A — **Client Sample ID: Method Blank**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 353949 — **Prep Batch: 353262**

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	20	U	20	9.9	mg/Kg		10/13/14 09:39	10/15/14 19:01	1
Arsenic	2.0	U	2.0	0.58	mg/Kg		10/13/14 09:39	10/15/14 19:01	1
Iron	20	U	20	6.9	mg/Kg		10/13/14 09:39	10/15/14 19:01	1
Lead	0.99	U	0.99	0.52	mg/Kg		10/13/14 09:39	10/15/14 19:01	1

Lab Sample ID: LCS 680-353262/2-A — **Client Sample ID: Lab Control Sample**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 353949 — **Prep Batch: 353262**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Aluminum	481	451		mg/Kg		94	80 - 120
Arsenic	9.62	10.0		mg/Kg		104	80 - 120
Iron	481	462		mg/Kg		96	80 - 120
Lead	48.1	46.5		mg/Kg		97	80 - 120

Lab Sample ID: 680-106200-51 MS — **Client Sample ID: CV0753B-CS (0-4")**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 353949 — **Prep Batch: 353262**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Aluminum	13000		498	15400	4	mg/Kg	☼	385	75 - 125
Arsenic	28		9.96	47.3	F1	mg/Kg	☼	194	75 - 125
Iron	41000		498	51900	4	mg/Kg	☼	2193	75 - 125
Lead	340		49.8	385	4	mg/Kg	☼	99	75 - 125

Lab Sample ID: 680-106200-51 MSD — **Client Sample ID: CV0753B-CS (0-4")**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 353949 — **Prep Batch: 353262**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Aluminum	13000		498	15900	4	mg/Kg	☼	502	75 - 125	4	20
Arsenic	28		9.96	39.9		mg/Kg	☼	120	75 - 125	17	20
Iron	41000		498	47700	4	mg/Kg	☼	1362	75 - 125	8	20
Lead	340		49.8	363	4	mg/Kg	☼	55	75 - 125	6	20

QC Association Summary

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

TestAmerica Job ID: 680-106200-4
SDG: 680-106200-04

GC/MS Semi VOA

Prep Batch: 353671

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-106200-51	CV0753B-CS (0-4")	Total/NA	Solid	3546	
680-106200-51 MS	CV0753B-CS (0-4")	Total/NA	Solid	3546	
680-106200-51 MSD	CV0753B-CS (0-4")	Total/NA	Solid	3546	
680-106200-55	CV0509X-CS6	Total/NA	Solid	3546	
680-106200-56	CV0509X-CS12	Total/NA	Solid	3546	
680-106200-57	CV0509X-CS18	Total/NA	Solid	3546	
680-106200-58	CV0613A-CS6	Total/NA	Solid	3546	
680-106200-59	CV0613A-CS12	Total/NA	Solid	3546	
680-106200-60	CV0613A-CS18	Total/NA	Solid	3546	
680-106200-61	CV0613A-CS24	Total/NA	Solid	3546	
680-106200-62	CV0509KK-CS6	Total/NA	Solid	3546	
LCS 680-353671/20-A	Lab Control Sample	Total/NA	Solid	3546	
LCSD 680-353671/23-A	Lab Control Sample Dup	Total/NA	Solid	3546	
MB 680-353671/19-A	Method Blank	Total/NA	Solid	3546	

Analysis Batch: 354069

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-106200-51	CV0753B-CS (0-4")	Total/NA	Solid	8270D_LL_PAH	353671
680-106200-51 MS	CV0753B-CS (0-4")	Total/NA	Solid	8270D_LL_PAH	353671
680-106200-51 MSD	CV0753B-CS (0-4")	Total/NA	Solid	8270D_LL_PAH	353671
680-106200-55	CV0509X-CS6	Total/NA	Solid	8270D_LL_PAH	353671
680-106200-56	CV0509X-CS12	Total/NA	Solid	8270D_LL_PAH	353671
680-106200-57	CV0509X-CS18	Total/NA	Solid	8270D_LL_PAH	353671
680-106200-58	CV0613A-CS6	Total/NA	Solid	8270D_LL_PAH	353671
680-106200-59	CV0613A-CS12	Total/NA	Solid	8270D_LL_PAH	353671
680-106200-60	CV0613A-CS18	Total/NA	Solid	8270D_LL_PAH	353671
680-106200-61	CV0613A-CS24	Total/NA	Solid	8270D_LL_PAH	353671
680-106200-62	CV0509KK-CS6	Total/NA	Solid	8270D_LL_PAH	353671
LCS 680-353671/20-A	Lab Control Sample	Total/NA	Solid	8270D_LL_PAH	353671
LCSD 680-353671/23-A	Lab Control Sample Dup	Total/NA	Solid	8270D_LL_PAH	353671
MB 680-353671/19-A	Method Blank	Total/NA	Solid	8270D_LL_PAH	353671

Metals

Prep Batch: 353249

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-106200-52	CV0613E-CS (0-4")	Total/NA	Solid	3050B	
680-106200-54	CV0509Y-CSD (0-4")	Total/NA	Solid	3050B	
680-106200-56	CV0509X-CS12	Total/NA	Solid	3050B	
680-106200-61	CV0613A-CS24	Total/NA	Solid	3050B	
LCS 680-353249/2-A	Lab Control Sample	Total/NA	Solid	3050B	
MB 680-353249/1-A	Method Blank	Total/NA	Solid	3050B	

Prep Batch: 353262

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-106200-51	CV0753B-CS (0-4")	Total/NA	Solid	3050B	
680-106200-51 MS	CV0753B-CS (0-4")	Total/NA	Solid	3050B	
680-106200-51 MSD	CV0753B-CS (0-4")	Total/NA	Solid	3050B	
680-106200-53	CV0509Y-CS (0-4")	Total/NA	Solid	3050B	
680-106200-55	CV0509X-CS6	Total/NA	Solid	3050B	

Metals (Continued)

Prep Batch: 353262 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-106200-57	CV0509X-CS18	Total/NA	Solid	3050B	
680-106200-58	CV0613A-CS6	Total/NA	Solid	3050B	
680-106200-59	CV0613A-CS12	Total/NA	Solid	3050B	
680-106200-60	CV0613A-CS18	Total/NA	Solid	3050B	
680-106200-62	CV0509KK-CS6	Total/NA	Solid	3050B	
LCS 680-353262/2-A	Lab Control Sample	Total/NA	Solid	3050B	
MB 680-353262/1-A	Method Blank	Total/NA	Solid	3050B	

Analysis Batch: 353429

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-106200-52	CV0613E-CS (0-4")	Total/NA	Solid	6010C	353249
680-106200-54	CV0509Y-CSD (0-4")	Total/NA	Solid	6010C	353249
680-106200-56	CV0509X-CS12	Total/NA	Solid	6010C	353249
680-106200-61	CV0613A-CS24	Total/NA	Solid	6010C	353249
LCS 680-353249/2-A	Lab Control Sample	Total/NA	Solid	6010C	353249
MB 680-353249/1-A	Method Blank	Total/NA	Solid	6010C	353249

Analysis Batch: 353783

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-106200-54	CV0509Y-CSD (0-4")	Total/NA	Solid	6010C	353249

Analysis Batch: 353949

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-106200-51	CV0753B-CS (0-4")	Total/NA	Solid	6010C	353262
680-106200-51 MS	CV0753B-CS (0-4")	Total/NA	Solid	6010C	353262
680-106200-51 MSD	CV0753B-CS (0-4")	Total/NA	Solid	6010C	353262
680-106200-53	CV0509Y-CS (0-4")	Total/NA	Solid	6010C	353262
680-106200-53	CV0509Y-CS (0-4")	Total/NA	Solid	6010C	353262
680-106200-55	CV0509X-CS6	Total/NA	Solid	6010C	353262
680-106200-57	CV0509X-CS18	Total/NA	Solid	6010C	353262
680-106200-58	CV0613A-CS6	Total/NA	Solid	6010C	353262
680-106200-59	CV0613A-CS12	Total/NA	Solid	6010C	353262
680-106200-59	CV0613A-CS12	Total/NA	Solid	6010C	353262
680-106200-60	CV0613A-CS18	Total/NA	Solid	6010C	353262
680-106200-62	CV0509KK-CS6	Total/NA	Solid	6010C	353262
LCS 680-353262/2-A	Lab Control Sample	Total/NA	Solid	6010C	353262
MB 680-353262/1-A	Method Blank	Total/NA	Solid	6010C	353262

General Chemistry

Analysis Batch: 353217

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-106200-51	CV0753B-CS (0-4")	Total/NA	Solid	Moisture	
680-106200-51 MS	CV0753B-CS (0-4")	Total/NA	Solid	Moisture	
680-106200-51 MSD	CV0753B-CS (0-4")	Total/NA	Solid	Moisture	
680-106200-52	CV0613E-CS (0-4")	Total/NA	Solid	Moisture	
680-106200-53	CV0509Y-CS (0-4")	Total/NA	Solid	Moisture	
680-106200-54	CV0509Y-CSD (0-4")	Total/NA	Solid	Moisture	
680-106200-55	CV0509X-CS6	Total/NA	Solid	Moisture	
680-106200-56	CV0509X-CS12	Total/NA	Solid	Moisture	

General Chemistry (Continued)

Analysis Batch: 353217 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-106200-57	CV0509X-CS18	Total/NA	Solid	Moisture	
680-106200-58	CV0613A-CS6	Total/NA	Solid	Moisture	
680-106200-59	CV0613A-CS12	Total/NA	Solid	Moisture	
680-106200-60	CV0613A-CS18	Total/NA	Solid	Moisture	
680-106200-61	CV0613A-CS24	Total/NA	Solid	Moisture	
680-106200-62	CV0509KK-CS6	Total/NA	Solid	Moisture	

Lab Chronicle

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

TestAmerica Job ID: 680-106200-4
SDG: 680-106200-04

Client Sample ID: CV0753B-CS (0-4")

Lab Sample ID: 680-106200-51
Date Collected: 10/07/14 16:20
Matrix: Solid
Date Received: 10/11/14 09:33
Percent Solids: 87.3

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3546			30.01 g	1 mL	353671	10/15/14 14:21	JMK	TAL SAV
Total/NA	Analysis	8270D_LL_PAH		10	30.01 g	1 mL	354069	10/17/14 14:03	KMW	TAL SAV
	Instrument ID:	CMSY								
Total/NA	Prep	3050B			1.14 g	100 mL	353262	10/13/14 09:39	CRW	TAL SAV
Total/NA	Analysis	6010C		1	1.14 g	100 mL	353949	10/15/14 19:10	BCB	TAL SAV
	Instrument ID:	ICPE								
Total/NA	Analysis	Moisture		1			353217	10/12/14 13:31	MDK	TAL SAV
	Instrument ID:	NOEQUIP								

Client Sample ID: CV0613E-CS (0-4")

Lab Sample ID: 680-106200-52
Date Collected: 10/07/14 15:40
Matrix: Solid
Date Received: 10/11/14 09:33
Percent Solids: 94.1

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			1.09 g	100 mL	353249	10/13/14 09:05	CRW	TAL SAV
Total/NA	Analysis	6010C		1	1.09 g	100 mL	353429	10/14/14 05:52	BCB	TAL SAV
	Instrument ID:	ICPE								
Total/NA	Analysis	Moisture		1			353217	10/12/14 13:31	MDK	TAL SAV
	Instrument ID:	NOEQUIP								

Client Sample ID: CV0509Y-CS (0-4")

Lab Sample ID: 680-106200-53
Date Collected: 10/07/14 11:30
Matrix: Solid
Date Received: 10/11/14 09:33
Percent Solids: 86.0

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			1.02 g	100 mL	353262	10/13/14 09:39	CRW	TAL SAV
Total/NA	Analysis	6010C		1	1.02 g	100 mL	353949	10/15/14 19:40	BCB	TAL SAV
	Instrument ID:	ICPE								
Total/NA	Prep	3050B			1.02 g	100 mL	353262	10/13/14 09:39	CRW	TAL SAV
Total/NA	Analysis	6010C		10	1.02 g	100 mL	353949	10/16/14 10:43	BCB	TAL SAV
	Instrument ID:	ICPE								
Total/NA	Analysis	Moisture		1			353217	10/12/14 13:31	MDK	TAL SAV
	Instrument ID:	NOEQUIP								

Client Sample ID: CV0509Y-CSD (0-4")

Lab Sample ID: 680-106200-54
Date Collected: 10/07/14 11:30
Matrix: Solid
Date Received: 10/11/14 09:33
Percent Solids: 80.4

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			1.07 g	100 mL	353249	10/13/14 09:05	CRW	TAL SAV
Total/NA	Analysis	6010C		1	1.07 g	100 mL	353429	10/14/14 05:48	BCB	TAL SAV
	Instrument ID:	ICPE								
Total/NA	Prep	3050B			1.07 g	100 mL	353249	10/13/14 09:05	CRW	TAL SAV

Lab Chronicle

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

TestAmerica Job ID: 680-106200-4
SDG: 680-106200-04

Client Sample ID: CV0509Y-CSD (0-4")

Lab Sample ID: 680-106200-54
Date Collected: 10/07/14 11:30
Matrix: Solid
Date Received: 10/11/14 09:33
Percent Solids: 80.4

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	6010C		10	1.07 g	100 mL	353783	10/15/14 12:38	BCB	TAL SAV
	Instrument ID: ICPE									
Total/NA	Analysis	Moisture		1			353217	10/12/14 13:31	MDK	TAL SAV
	Instrument ID: NOEQUIP									

Client Sample ID: CV0509X-CS6

Lab Sample ID: 680-106200-55
Date Collected: 10/07/14 10:20
Matrix: Solid
Date Received: 10/11/14 09:33
Percent Solids: 80.6

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3546			30.03 g	1 mL	353671	10/15/14 14:21	JMK	TAL SAV
Total/NA	Analysis	8270D_LL_PAH		10	30.03 g	1 mL	354069	10/17/14 17:45	KMW	TAL SAV
	Instrument ID: CMSY									
Total/NA	Prep	3050B			1.08 g	100 mL	353262	10/13/14 09:39	CRW	TAL SAV
Total/NA	Analysis	6010C		1	1.08 g	100 mL	353949	10/15/14 20:48	BCB	TAL SAV
	Instrument ID: ICPE									
Total/NA	Analysis	Moisture		1			353217	10/12/14 13:31	MDK	TAL SAV
	Instrument ID: NOEQUIP									

Client Sample ID: CV0509X-CS12

Lab Sample ID: 680-106200-56
Date Collected: 10/07/14 10:30
Matrix: Solid
Date Received: 10/11/14 09:33
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			30.03 g	1 mL	353671	10/15/14 14:21	JMK	TAL SAV
Total/NA	Analysis	8270D_LL_PAH		10	30.03 g	1 mL	354069	10/17/14 18:07	KMW	TAL SAV
	Instrument ID: CMSY									
Total/NA	Prep	3050B			1.14 g	100 mL	353249	10/13/14 09:05	CRW	TAL SAV
Total/NA	Analysis	6010C		1	1.14 g	100 mL	353429	10/14/14 05:56	BCB	TAL SAV
	Instrument ID: ICPE									
Total/NA	Analysis	Moisture		1			353217	10/12/14 13:31	MDK	TAL SAV
	Instrument ID: NOEQUIP									

Client Sample ID: CV0509X-CS18

Lab Sample ID: 680-106200-57
Date Collected: 10/07/14 10:40
Matrix: Solid
Date Received: 10/11/14 09:33
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	3546			30.01 g	1 mL	353671	10/15/14 14:21	JMK	TAL SAV
Total/NA	Analysis	8270D_LL_PAH		1	30.01 g	1 mL	354069	10/17/14 18:29	KMW	TAL SAV
	Instrument ID: CMSY									
Total/NA	Prep	3050B			1.01 g	100 mL	353262	10/13/14 09:39	CRW	TAL SAV

Lab Chronicle

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

TestAmerica Job ID: 680-106200-4
SDG: 680-106200-04

Client Sample ID: CV0509X-CS18 — Lab Sample ID: 680-106200-57

Date Collected: 10/07/14 10:40 — **Matrix: Solid**
Date Received: 10/11/14 09:33 — **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	1.01 g	100 mL	353949	10/15/14 20:36	BCB	TAL SAV
	Instrument ID: ICPE									
Total/NA	Analysis	Moisture		1			353217	10/12/14 13:31	MDK	TAL SAV
	Instrument ID: NOEQUIP									

Client Sample ID: CV0613A-CS6 — Lab Sample ID: 680-106200-58

Date Collected: 10/07/14 13:00 — **Matrix: Solid**
Date Received: 10/11/14 09:33 — **Percent Solids: 93.0**

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3546			30.02 g	1 mL	353671	10/15/14 14:21	JMK	TAL SAV
Total/NA	Analysis	8270D_LL_PAH		10	30.02 g	1 mL	354069	10/17/14 18:52	KMW	TAL SAV
	Instrument ID: CMSY									
Total/NA	Prep	3050B			1.01 g	100 mL	353262	10/13/14 09:39	CRW	TAL SAV
Total/NA	Analysis	6010C		1	1.01 g	100 mL	353949	10/15/14 19:57	BCB	TAL SAV
	Instrument ID: ICPE									
Total/NA	Analysis	Moisture		1			353217	10/12/14 13:31	MDK	TAL SAV
	Instrument ID: NOEQUIP									

Client Sample ID: CV0613A-CS12 — Lab Sample ID: 680-106200-59

Date Collected: 10/07/14 13:10 — **Matrix: Solid**
Date Received: 10/11/14 09:33 — **Percent Solids: 92.3**

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3546			30.04 g	1 mL	353671	10/15/14 14:21	JMK	TAL SAV
Total/NA	Analysis	8270D_LL_PAH		1	30.04 g	1 mL	354069	10/17/14 19:14	KMW	TAL SAV
	Instrument ID: CMSY									
Total/NA	Prep	3050B			1.16 g	100 mL	353262	10/13/14 09:39	CRW	TAL SAV
Total/NA	Analysis	6010C		1	1.16 g	100 mL	353949	10/15/14 20:14	BCB	TAL SAV
	Instrument ID: ICPE									
Total/NA	Prep	3050B			1.16 g	100 mL	353262	10/13/14 09:39	CRW	TAL SAV
Total/NA	Analysis	6010C		10	1.16 g	100 mL	353949	10/16/14 11:00	BCB	TAL SAV
	Instrument ID: ICPE									
Total/NA	Analysis	Moisture		1			353217	10/12/14 13:31	MDK	TAL SAV
	Instrument ID: NOEQUIP									

Client Sample ID: CV0613A-CS18 — Lab Sample ID: 680-106200-60

Date Collected: 10/07/14 13:20 — **Matrix: Solid**
Date Received: 10/11/14 09:33 — **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			30.01 g	1 mL	353671	10/15/14 14:21	JMK	TAL SAV

Lab Chronicle

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

TestAmerica Job ID: 680-106200-4
SDG: 680-106200-04

Client Sample ID: CV0613A-CS18

Lab Sample ID: 680-106200-60
Date Collected: 10/07/14 13:20
Matrix: Solid
Date Received: 10/11/14 09:33
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	Analysis	8270D_LL_PAH		1	30.01 g	1 mL	354069	10/17/14 19:36	KMW	TAL SAV
	Instrument ID: CMSY									
Total/NA	Prep	3050B			1.09 g	100 mL	353262	10/13/14 09:39	CRW	TAL SAV
Total/NA	Analysis	6010C		1	1.09 g	100 mL	353949	10/15/14 19:44	BCB	TAL SAV
	Instrument ID: ICPE									
Total/NA	Analysis	Moisture		1			353217	10/12/14 13:31	MDK	TAL SAV
	Instrument ID: NOEQUIP									

Client Sample ID: CV0613A-CS24

Lab Sample ID: 680-106200-61
Date Collected: 10/07/14 13:30
Matrix: Solid
Date Received: 10/11/14 09:33
Percent Solids: 87.2

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	353671	10/15/14 14:21	JMK	TAL SAV
Total/NA	Analysis	8270D_LL_PAH		1	30.01 g	1 mL	354069	10/17/14 19:58	KMW	TAL SAV
	Instrument ID: CMSY									
Total/NA	Prep	3050B			1.07 g	100 mL	353249	10/13/14 09:05	CRW	TAL SAV
Total/NA	Analysis	6010C		1	1.07 g	100 mL	353429	10/14/14 06:01	BCB	TAL SAV
	Instrument ID: ICPE									
Total/NA	Analysis	Moisture		1			353217	10/12/14 13:31	MDK	TAL SAV
	Instrument ID: NOEQUIP									

Client Sample ID: CV0509KK-CS6

Lab Sample ID: 680-106200-62
Date Collected: 10/07/14 14:10
Matrix: Solid
Date Received: 10/11/14 09:33
Percent Solids: 94.8

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3546			30.02 g	1 mL	353671	10/15/14 14:21	JMK	TAL SAV
Total/NA	Analysis	8270D_LL_PAH		10	30.02 g	1 mL	354069	10/17/14 20:20	KMW	TAL SAV
	Instrument ID: CMSY									
Total/NA	Prep	3050B			1.14 g	100 mL	353262	10/13/14 09:39	CRW	TAL SAV
Total/NA	Analysis	6010C		1	1.14 g	100 mL	353949	10/15/14 20:18	BCB	TAL SAV
	Instrument ID: ICPE									
Total/NA	Analysis	Moisture		1			353217	10/12/14 13:31	MDK	TAL SAV
	Instrument ID: NOEQUIP									

Laboratory References:

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

Serial Number 85299

ANALYSIS REQUEST AND CHAIN OF CUSTODY RECORD

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

TestAmerica Savannah
5102 LaRoche Avenue
Savannah, GA 31404

Website: www.testamericainc.com
Phone: (912) 354-7858
Fax: (912) 352-0165

Alternate Laboratory Name/Location

Phone:
Fax:

PROJECT REFERENCE: 35 PA	PROJECT NO.: 2014078-1006	PROJECT LOCATION (STATE): AI	PAGE 2 OF 3
TAL (LAB) PROJECT MANAGER: Lisa Harvey	P.O. NUMBER	CONTRACT NO.	STANDARD REPORT DELIVERY ✓
CLIENT (SITE) PM: Russell Henderson	CLIENT PHONE	CLIENT FAX	DATE DUE
CLIENT NAME: OTIE	CLIENT E-MAIL		EXPEDITED REPORT DELIVERY (SURCHARGE)
CLIENT ADDRESS			DATE DUE
COMPANY CONTRACTING THIS WORK (if applicable)			NUMBER OF COOLERS SUBMITTED PER SHIPMENT:

REQUIRED ANALYSIS: Al, Fe, As, Pb; VOAs

PRESERVATIVE

SAMPLE DATE	SAMPLE TIME	SAMPLE IDENTIFICATION	COMPOSITE (C) OR GRAB (G) INDICATE	AQUEOUS (WATER)	SOLID OR SEMISOLID	AIR	NONAQUEOUS LIQUID (O L, SOLVENT, ...)	Al, Fe, As, Pb	VOAs									REMARKS
10/7/14	14:50	CV0613A-CS6	C		X			X	X									
10/7/14	09:50	CV0509T-CS24	C		X			X	X									
10/7/14	14:50	CV0613B-CSD6	C		X			X	X									
10/7/14	15:00	CV0613B-CS12	C		X			X	X									
10/7/14	15:10	CV0613B-CS18	C		X			X	X									
10/7/14	15:20	CV0613B-CS24	C		X			X	X									
10/7/14	16:10	CV0753A-CS (0-4")	C		X			X	X									
10/7/14	16:10	CV0753A-CSD (0-4")	C		X			X	X									
10/7/14	16:20	CV0793B-CS (0-4")	C		X			X	X									MS + MSD
10/7/14	15:40	CV0613E-CS (0-4")	C		X			X										
10/7/14	11:30	CV0509Y-CS (0-4")	C		X			X										
10/7/14	11:30	CV0509Y-CSD (0-4")	C		X			X										

RELINQUISHED BY: (SIGNATURE)	DATE	TIME	RELINQUISHED BY: (SIGNATURE)	DATE	TIME	RELINQUISHED BY: (SIGNATURE)	DATE	TIME
[signature]	10/10/14	16:00						
RECEIVED BY: (SIGNATURE)	**DATE**	**TIME**	**RECEIVED BY: (SIGNATURE)**	**DATE**	**TIME**	**RECEIVED BY: (SIGNATURE)**	**DATE**	**TIME**

LABORATORY USE ONLY

RECEIVED FOR LABORATORY BY: (SIGNATURE)	DATE	TIME	CUSTODY INTACT	CUSTODY SEAL NO.	SAVANNAH LOG NO.	LABORATORY REMARKS
[signature]	10/11/14	0933	YES ○ NO ○		680 106200	5.2/1.8/4.8/0.8°C

TAL8240-680 (1008)

Serial Number 89189

ANALYSIS REQUEST AND CHAIN OF CUSTODY RECORD

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

TestAmerica Savannah
5102 LaRoche Avenue
Savannah, GA 31404

Website: www.testamericainc.com
Phone: (912) 354-7858
Fax: (912) 352-0165

Alternate Laboratory Name/Location

Phone:
Fax:

PROJECT REFERENCE: 35th	PROJECT NO.: 20/4078-1006	PROJECT LOCATION (STATE): AL	PAGE 3 OF 3
TAL (LAB) PROJECT MANAGER: Lisa Harvey	P.O. NUMBER:	CONTRACT NO.:	STANDARD REPORT DELIVERY ✓
CLIENT (SITE) PM: Russell Henderson	CLIENT PHONE:	CLIENT FAX:	DATE DUE:
CLIENT NAME: OTEK	CLIENT E-MAIL:		EXPEDITED REPORT DELIVERY (SURCHARGE)
CLIENT ADDRESS:			DATE DUE:
COMPANY CONTRACTING THIS WORK (if applicable):			NUMBER OF COOLERS SUBMITTED PER SHIPMENT:

REQUIRED ANALYSIS: Al, Fe, As, Pb, PAH

PRESERVATIVE

SAMPLE DATE	SAMPLE TIME	SAMPLE IDENTIFICATION	COMPOSITE (C) OR GRAB (G) INDICATE	AQUEOUS (WATER)	SOLID OR SEMISOLID	AIR	NONAQUEOUS LIQUID (OIL, SOLVENT, ...)	Al	Fe, As, Pb									REMARKS
10/7/14	10:20	CV0509X-CS6	C		X			X	X									
10/7/14	10:30	CV0509X-CS12	C		X			X	X									
10/7/14	10:40	CV0509X-CS18	C		X			X	X									
10/7/14	13:00	CV0613A-CS6	C		X			X	X									
10/7/14	13:10	CV0613A-CS12	C		X			X	X									
10/7/14	13:20	CV0613A-CS18	C		X			X	X									
10/7/14	13:30	CV0613A-CS24	C		X			X	X									
10/7/14	14:10	CV0509KK-CS6	C		X			X	X									

RELINQUISHED BY: (SIGNATURE)	DATE	TIME	RELINQUISHED BY: (SIGNATURE)	DATE	TIME	RELINQUISHED BY: (SIGNATURE)	DATE	TIME
[signature]	10/10/14	16:00						
RECEIVED BY: (SIGNATURE)	**DATE**	**TIME**	**RECEIVED BY: (SIGNATURE)**	**DATE**	**TIME**	**RECEIVED BY: (SIGNATURE)**	**DATE**	**TIME**

LABORATORY USE ONLY

RECEIVED FOR LABORATORY BY: (SIGNATURE)	DATE	TIME	CUSTODY INTACT	CUSTODY SEAL NO.	SAVANNAH LOG NO.	LABORATORY REMARKS
[signature]	10/11/14	0933	YES ○ NO ○		680 106200	5.2/1.8/4.8/0.8c

TAL8240-680 (1008)

Login Sample Receipt Checklist

Client: Oneida Total Integrated Enterprises LLC

Job Number: 680-106200-4
SDG Number: 680-106200-04

Login Number: 106200
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: 680-106200-4
SDG: 680-106200-04

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